CONFIDENTIAL

Release Date 7-24-98

RIDGEWAY 10-22 STATE
SW SW 22-10N-30E (896)

COUNTY APACHE AREA ST. JOHNS LEASE NO. STATE #13-100215

WELL NAME RIDGEWAY ARIZONA OIL CORP 10-22 STATE

LOCATION SW SW SEC 22 TWP 10N RANGE 30E FOOTAGE 660' fsl & 660' fwl

ELEV 6978' GR 6992' KB SPUD DATE _____ STATUS _____ COMP. DATE _____ TOTAL DEPTH _____

CONTRACTOR _____

CASING IZE	DEPTH	CEMENT	LINER SIZE & DEPTH

DRILLED BY ROTARY _____

DRILLED BY CABLE TOOL _____

PRODUCTIVE RESERVOIR _____

INITIAL PRODUCTION _____

FORMATION TOPS	DEPTHS	SOURCE L.L.	SOURCE E.L.	REMARKS

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS

SAMPLE LOG _____
SAMPLE DESCRP. _____
SAMPLE NO. 1886
CORE ANALYSIS _____
DSTs _____

REMARKS _____

APP. TO PLUG _____
PLUGGING REP. _____
COMP. REPORT _____

WATER WELL ACCEPTED BY _____

BOND CO. BANK ONE ARIZONA

~~BOND~~ C.D. NO. 4002111 AND 4002112
DATE 6/14/94 AND 11/18/94

BOND AMT. $ 25,000 CANCELLED _____ ORGANIZATION REPORT YES

FILING RECEIPT 3094 LOC. PLAT X WELL BOOK X PLAT BOOK X

API NO. 02-001-20308 DATE ISSUED 2/14/97 DEDICATION W2 SW

PERMIT NUMBER 896

(over)

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION

New Well [ ] Temp Abandon [X] Work-Over [ ] Deepen [ ] Plug Back [ ] Same Reservoir [ ] Different Reservoir [ ] Oil [ ] Gas [ ] Dry [ ]

DESCRIPTION OF WELL AND LEASE

Operator: Ridgeway AZ. Oil Corp.	Adress & Phone No.: P.O.Box 1110 St.Johns
Federal, State or Indian Lease Number or name of lessor if fee lease: 13-100125	Well Number: State 10-22 / Field Resrvoir: Wildcat
Location: 600 f/wl & 660 fsl	County: Apache
Sec. Township-Range or Block & Survey: sec. 22, t 11n, r 31e (10 N 30E)	

Date spudded	Date total depth reached	Date completed ready to produce	Elevation (DF,KB,RT or ~~Gr.~~)	Elevation of casing head flange
3/19/97	3/29/97	N.A.	6878 feet	6878 feet

Total Depth	P.B.T.D.	Single, dual, or triple completion?	If this is a dual or triple completion furnish separate report for each completion
2265		N.A.	

Producing interval(s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
2070 - 2224	0-2265	N.A.

Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
No	No	No	N.A.

type of electric or other logs run (check logs filed with the Commission) platform ex.,gr,ccl,vdl,microlog,cmr,resistivity — Date filed: ?

CASING RECORD

Casing (report all strings set in well -- conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amount pulled
Surface	12 1/4	8 5/8	20 #	743	335 sks	
Prod.	7 7/8	4 1/2	4.25	2262	791 sks	

TUBING RECORD

Size	Depth set	Packer set at
N.A. in.	N.A. ft.	N.A. ft.

LINER RECORD

Size	Top	Bottom	Sacks cement	Screen (ft.)
N.A. in.	N.A. ft	N.A. ft.	N.A.	N.A.

PERFORATION RECORD

Number per ft.	Size & type	Depth interval
1	.38 Jrt.	2070 - 2224

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Amount & kind of material used	Depth interval
58,000 16/30 sand	2070 - 2224

INITIAL PRODUCTION

Date of first production	Producing method (indicate if flowing, gas lift or pumping -- if pumping, show size & type of pump
N.A.	N.A.

Date of test	Hours tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod.during test	Oil gravity
N.A.	N.A.	N.A.	N.A. bbls.	N.A. MCF	N.A. bbls.	N. °API

Tubing pressure	Casing pressure	Calculated rate of production per 24 hrs	Oil	Gas	Water	Gas - oil ratio
0	0		0 bbls	0 MCF	0 bbls	

Disposition of gas(state whether vented, used for fuel or sold): N.A.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Production Manager of the Ridgeway AZ. Oil Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therin are true, correct and complete to the best of my knowledge.

6/29/98
Date

Signature

JUL 1998
ARIZONA GEOLOGICAL SURVEY

Permit No. 896

Mail completed form to
Oil and Gas Program Administrator
Arizona Geological Survey
416 W.congress, # 100
Tucson, AZ. 85701

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File one Copy

Form No. 4

DETAIL OF FORMATION PENETRATED

FORMATION	TOP	BOTTOM	DESCIPTION*
Ft. Apache	1482	1676	
Amos wash	1758	1786	
Riggs	2051	2235	
			Schlumberger mechanical sidewall coring tool was used
			See attachment for core details
			D.S.T. From 2054 to 2265, recovered 60' of gas cut mud,

* Show all important zones of porosity, detail of all cores, and drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Completion or Recompletion report and well log shall be filed with the Oil and Gas Program Administrator, Arizonia Geological Survey, 416 W. Congress #100, Tucson, AZ 85701 not later than thirty days after completion pursuant to A.A.C. R12-7-121.

Form No.4

H & H WIRELINE SERVICE INC.

P. O. BOX 899, FLORA VISTA NEW MEXICO 87415

RECEIVED
MAR 3 1999
AZ STATE
LAND DEPT

OCT 1999
ARIZONA
GEOLOGICAL
SURVEY

December 1, 1998

RIDGEWAY ARIZONA OIL CORP.
P. O. BOX 1110
ST. JOHN, ARIZONA 85936

WELL NAME: STATE # 10-22 API 896

TYPE TEST: STATIC GRADIENT
FORMATION:
COUNTY: APACHE
STATE: ARIZONA

ATTENTION: MR. TOM WHITE

GENTLEMEN:

ATTACHED YOU WILL FIND THE RESULTS OF THE ABOVE CAPTIONED TEST OF STATIC GRADIENT SURVEY ON THE ABOVE CAPTIONED WELL WHICH ARE IN TABULAR AND GRAPHICAL FORM.

IT HAS BEEN OUR PLEASURE TO CONDUCT THIS SERVICE FOR YOU. WE ARE LOOKING FORWARD TO SERVING YOU IN THE FUTURE.

THANK YOU.

H & H WIRELINE SERVICE, INC.

CHARLES HUGHES

PRESIDENT

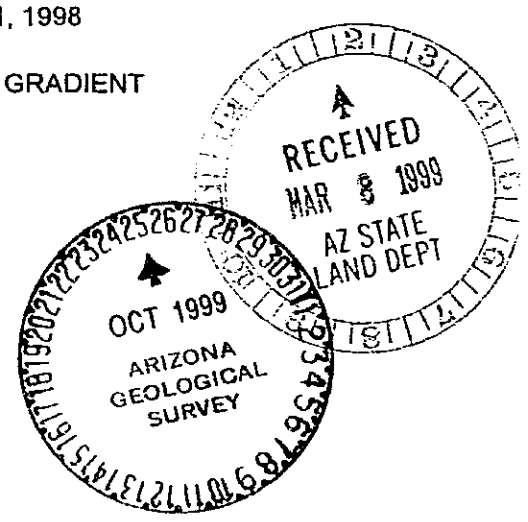
RIDGEWAY ARIZONA OIL CORP.
P. O. BOX 1110
SAINT JOHNS, ARIZONA 85936

DATE: DECEMBER 1, 1998

WELL NAME: STATE LEASE NO. 10-22
FORMATION:

TYPE TEST: STATIC GRADIENT

COUNTY: APACHE
STATE: ARIZONA



TOTAL DEPTH: 2265'
PERFS: 2070' - 2274'
TUBING SIZE:
CASING SIZE:
PACKER:
OTHER:

CASING PRESSURE:
TUBING PRESSURE: 528
OIL LEVEL:
WATER LEVEL:
TEMPERATURE:
ELEMENT NO. 86484
ELEMENT RANGE 0 TO 3500
OPERATOR: CHARLES HUGHES UNIT NO. T-10

WELL STATUS:

DEPTH IN FEET	PRESSURE PSIG	GRADIENT PSI/FOOT
0	528	
1000	568	0.041
2060	609	0.0387

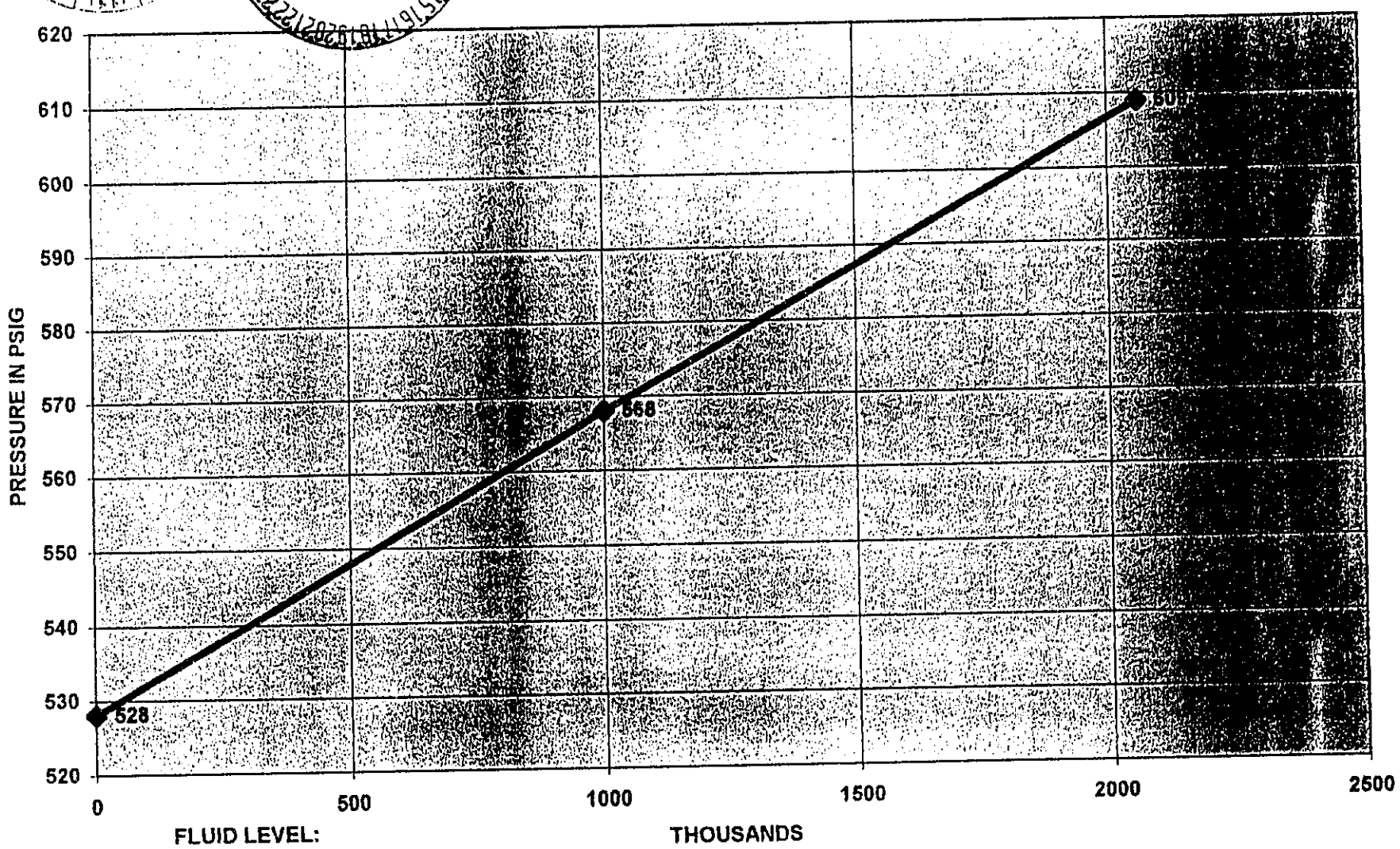
H & H WIRELINE SERVICE INC.
P. O. BOX 899
FLORA VISTA, NEW MEXICO 87415
OPERATOR: C. HUGHES
UNIT NO. T-11

RECEIVED
MAR 8 1999
AZ STATE
LAND DEPT

OCT 1999
ARIZONA
GEOLOGICAL
SURVEY

STATE LEASE NO. 10-22 P/N 890

DATE: DECEMBER 1, 1998



Sundry Notice And Reports on Wells

1 Name of Operator Ridgeway AZ. Oil Corp.

2 Oil Well [ ] Gas Well [ ] Other [x] (Specify) Co2

3 Well Name State 10-22
location
Sec. 22 Twp. 10n Rge. 30e County: Apache, Arizona

4 Federal, State, or Indian Lease Number, or Lessor's name if fee lease 13-100125

5 Field or Pool Name Wildcat

6 Check Appropriate Box to indicate Nature of Notice, Report, or Other Data

	NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	WEEKLY PROGRESS	[ ]
FRACTURE TREAT	[ ]	DIRECTIONAL DRILL	[ ]	FRACTURE TREATMENT	[ ]	REPAIRING WELL	[ ]
SHOOT OR ACIDIZE	[ ]	PERFORATE CASING	[ ]	SHOOTING OR ACIDIZE	[ ]	ALTER CASING	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]			ABANDONMENT	[ ]
OTHER	Flow Test		[X]	OTHER			

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (clearly state all pertinent details,and give pertinent dates, including estimated dates of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Proposed start-up date 11/03/98

Nov. 11, 1998 tentative start-up date.
Rig test unit up to well # 10-22, document shut-in pressure
Open well to surface
Flow well approximately 15 days
shut-in for build up test.(approx. 5dys)

OCT 1998
ARIZONA GEOLOGICAL SURVEY

8 I herby certify that the foregoing is true and correct.

Signed [signature] Title Production Manager Date 10/06/98

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports on Wells
File one Copy
Form No. 25

Permit No. 896

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway Az Oil Corp.

2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) CO2

3. Well Name State 10-22

Location 600' F/WL & 660 F/SL

Sec. 22 Twp. 11N 10 Rge. 31E 30 County Apache, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-100125

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	WEEKLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☒	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)				(OTHER)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11-25-97 Rig up Dowell, pump 58,000 lbs. of 16/30 sand with cross linked gel @ a rate of 20 barrels per minute, well did not flow back. Shut in well for evaluation.

DEC 1997
ARIZONA GEOLOGICAL SURVEY

8. I herby certify that the foregoing is true and correct.

Signed Thomas White Title Production Manager Date 12-3-97

Permit No. 896

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy
Form No. 25 5/96

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway Az Oil Corp.

2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) CO2

3. Well Name State 10-22

Location 600' F/WL & 660 F/SL

Sec. 22 Twp. 11N 10 Rge. 31E 30 County Apache, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-100125

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	WEEKLY PROGRESS	☐
FRACTURE TREAT	☒	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)				(OTHER)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Proposed Frac Program as follows:

Rig up Dowell, Frac from 2070 to 2224 using 35# linear gel @ 5-25 BPM if possible

NOV 1997
ARIZONA GEOLOGICAL SURVEY

8. I herby certify that the foregoing is true and correct.

Signed Thomas White Title Production Mgr. Date 11-4-97

Permit No. 896

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy
Form No. 25

5/96

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

*Amended 10-24-97

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway AZ Oil Corp.

2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) CO2

3. Well Name State 10-22

Location 600' F/WL & 660 F/SL

Sec. 22 Twp. 11N 10 Rge. 31E 30 County Apache, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	WEEKLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)				(OTHER) Well Summary Report			X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

7-18-97 Rig up Schlumberger wireline with lubricator run perforating guns in hole, perforate from 2024' to 2070' (total of 56 holes), swab well fluid level @ 1800' when started (small puff of gas after run #4, did not last) shut well up.

Note: Request for temporary abandonment status on 9-22-97, no work has been done to this well since 7-18-97.

* 791 sacks of 35/65 G/pos., circulated cement to surface.

FILE COPY

8. I hereby certify that the foregoing is true and correct.

Signed _____ Title Production Manager Date 10-15-97

OCT 1997
ARIZONA GEOLOGICAL SURVEY

Permit No. 896

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy
Form No. 25 5/96

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway AZ Oil Corp.
2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) CO2
3. Well Name State 10-22
   Location 600' F/WL & 660 F/SL
   Sec. 22 Twp. 11N 10 Rge. 31E 30 County Apache, Arizona
4. Federal, State, or Indian Lease Number, or lessor's name if fee lease
5. Field or Pool Name Wildcat
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	WEEKLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)				(OTHER) Well Summary Report			x

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

7-18-97 Rig up Schlumberger wireline with lubricator run perforating guns in hole, perforate from 2024' to 2070' (total of 56 holes), swab well fluid level @ 1800' when started (small puff of gas after run #4, did not last) shut well up.

Note: Request for temporary abandonment status on 9-22-97, no work has been done to this well since 7-18-97.

8. I herby certify that the foregoing is true and correct.

Signed _____ Title Production Manager Date 10-15-97

OCT 1997
ARIZONA GEOLOGICAL SURVEY

Permit No. 896

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy

Form No. 25 6/98

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway Az Oil Corp.
2. OIL WELL ☐ GAS WELL ☐ OTHER ☒ (Specify) CO2
3. Well Name State 10-22
   Location 600' F/W1 & 660' F/SL
   Sec. 22 Twp. ~~11N~~ 10 Rge. ~~31E~~ 30 County Apache, Arizona
4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-100125
5. Field or Pool Name Wildcat
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	WEEKLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)				(OTHER) Temporary Abandonment			X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The well conditions are as follows:
8 5/8" Casing Set @ 743'
4 ½" A.C.G. Fiber Glass Casing set @ 2262'
Perfs are: F/2070 to 2224

We regquest temporary abandonment status for further evaluation

SEP 1997
ARIZONA GEOLOGICAL SURVEY

8. I herby certify that the foregoing is true and correct.

Signed [signature] Title Productios Mgr. Date 9-22-97

Permit No. 896

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy
Form No. 25 5/96

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway AZ Oil Corp.

2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) CO2

3. Well Name State 10-22

Location 600' F/WL & 660' F/SL

Sec. 22 Twp. 11N Rge. 31E County Apache, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-100125

5. Field or Pool Name Wildcat

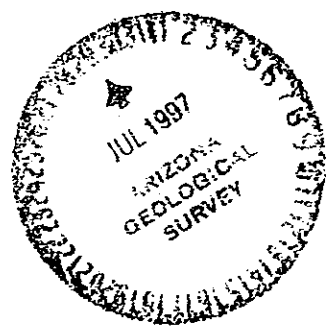
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	~~WEEKLY~~ PROGRESS	X
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER)				(OTHER)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was spudded on 3-19-97 and total depth on 3-29-97.
7-18-97 well was perforated F/2070 to 2224, total of 56 shots.
WI SI well will fraced on 7-31-97.



8. I herby certify that the foregoing is true and correct.

Signed [signature] Title V.P. Date 7-28-97

Permit No. 896

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy
Form No. 25
5/96

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway AZ Oil Corp.

2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) CO2

3. Well Name _____

Location _____

Sec. _____ Twp. _____ Rge. _____ County _____, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease _____

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	WEEKLY PROGRESS	☐
FRACTURE TREAT	☐	DIRECTIONAL DRILL	☐	FRACTURE TREATMENT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	PERFORATE CASING	☐	SHOOTING OR ACIDIZING	☐	ALTER CASING	☐
REPAIR WELL	☐	CHANGE PLANS	☐			ABANDONMENT	☐
(OTHER) _____			☐	(OTHER) _____			☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4

1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

GENERAL INFORMATION:

Wells 3-1 and 22-1X have been tested by B.C. Services and we are waiting on their reports. All well signs should be delivered by August 15, 1997. We are planning 3 more Arizona wells in September, 1997.

file 896

JUL 1997
ARIZONA GEOLOGICAL SURVEY

8. I herby certify that the foregoing is true and correct.

Signed _____ Title V.P. Date 7-28-97

Permit No. _____

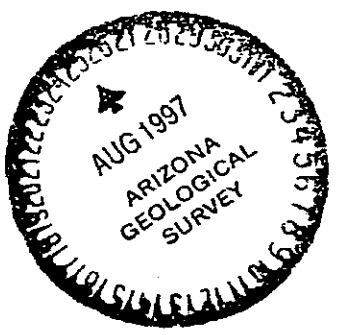
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports On Wells
File One Copy
Form No. 25 5/58

Mail Completed Form to: Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson AZ 85701-1315

WELL TEST REPORT

COMPANY NAME	: RIDGEWAY ARIZONA
FIELD	: WILDCAT
WELL NAME	: STATE 10 - 22
LOCATION	: 22 10N 30E
DST NUMBER	: 1.0
TEST INTERVAL	: 1428 - 1490 (62')
GAUGE DEPTH	: 1405 feet
GAUGE MODEL	: 257S
GAUGE S/N	: 4001.0
TEST TYPE	: BOTTOM HOLE CONV.
COMMENTS	:

P/N 896



TECHNICIAN	: LEROY RUSHING
REPORT DATE	: 31-Mar-97

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— BAKER OIL TOOLS —

Post Office Box 718
Farmington, New Mexico 87499
1732 East Main Street
Farmington, New Mexico 87401
Telephone (505) 325-0216

OPERATOR:	RIDGEWAY ARIZONA		
WELL NAME:	STATE 10-22		
CONTRACTOR:	AZTEC #124		
DST NO.:	1	**K. B. ELEVATION:**	6892
SPOT:		**FORMATION:**	FORT APACHE
SECTION:	22		
TOWNSHIP:	10N		
RANGE:	30E		
FIELD:	WILDCAT		
COUNTY:	APACHE		
STATE:	ARIZONA		
FLOW NO. 1:	30 MIN.	**SHUT-IN NO. 1:**	60 MIN.
FLOW NO. 2:	30 MIN.	**SHUT-IN NO. 2:**	60 MIN.
BOTTOM HOLE TEMP:	89		
TOP CHOKE:	BUBBLE HOSE	**BOTTOM CHOKE:**	9/16
HOLE SIZE:	7 7/8	**CASING SIZE & WT.:**	8 5/8 24#
SIZE & WT. D.P.:	4 1/2 XH 16.6#		
I.D. OF D.C.:	2 1/4		
D. C. ABOVE TOOL:	581		
TOTAL DEPTH:	1490		
INTERVAL TESTED:	1428-1490		
TYPE OF TEST:	BOTTOM HOLE CONV.		
MUD WEIGHT:	9	**VISCOSITY:**	42
TOOL OPENED @:	19:45:00		

People and Products Providing Solutions for
Completions, Workovers and Fishing

896

OPERATOR: RIDGEWAY ARIZONA
WELL NAME: STATE 10-22
DST NO.: 1
1428-90' (62')

SAMPLE DATA

SAMPLE CHAMBER:

CAPACITY OF SAMPLE CHAMBER.....:	2400 CC
VOLUME OF SAMPLE.....:	2400 CC
PRESSURE IN SAMPLE CHAMBER.....:	24 PSIG
WHERE WAS SAMPLER DRAINED.....:	RIG
SAMPLE CHAMBER CONTAINED.....:	2400 CC WATER CUT MUD

RESISTIVITY DATA:

TOP SAMPLE.....:	.36 @80	15000 PPM
MIDDLE SAMPLE.....:		PPM
BOTTOM SAMPLE.....:	.48 @ 76	12000 PPM
SAMPLER.....:	.44 @70	15000 PPM
MUD PIT SAMPLE.....:	.42 @ 85	12000 PPM
MAKE UP WATER.....:	4.5 @ 60	1400 PPM

DID WELL FLOW GAS TO SURFACE.....	NO
DID WELL FLOW OIL TO SURFACE.....	NO
DID WELL FLOW WATER TO SURFACE..	NO

RECOVERY IN DRILL PIPE: 0.15 Bbl
30' WATER CUT MUD

BLOW DESCRIPTION:

INITIAL FLOW; TOOL OPENED WITH 1/4" UNDER WATER . STAYED THE SAME FOR F THE REMAINDER OF FLOW

FINAL FLOW; TOOL OPENED WITH 1" UNDER WATER INCREASED TO 4" IN 10 MIN. S STAYED SAME FOR REMAINDER OF FLOW.

REMARKS;

OPERATOR RIDGEWAY ARIZONA
WELL NAMI STATE 10-22
DST NO.: 1

1429-90' (62')

RECORDER DATA

TYPE:	DMR	TYPE:	DMR	TYPE:	
CAPACITY:	5000	CAPACITY:	5000	CAPACITY:	
SER. NO.:	4001	SER. NO.:	4003	SER. NO.:	
LOCATION:	1405	LOCATION:	1439	LOCATION:	
HOURS:	16:29:00	HOURS:	16:31:00	HOURS:	
FLOW:	INSIDE	FLOW:	INSIDE	FLOW:	
IH.....	681	IH.....	707	IH.....	
FH.....	670	FH.....	696	FH.....	
IF - 1.....	22	IF - 1.....	50	IF - 1.....	
FF - 1.....	38	FF - 1.....	66	FF - 1.....	
IF - 2.....	43	IF - 2.....	81	IF - 2.....	
FF - 2.....	48	FF - 2.....	73	FF - 2.....	
SIP - 1.....	101	SIP - 1.....	128	SIP - 1.....	
SIP - 2.....	88	SIP - 2.....	112	SIP - 2.....	

GAS RATES

TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/DAY	REMARKS
		NO GTS		

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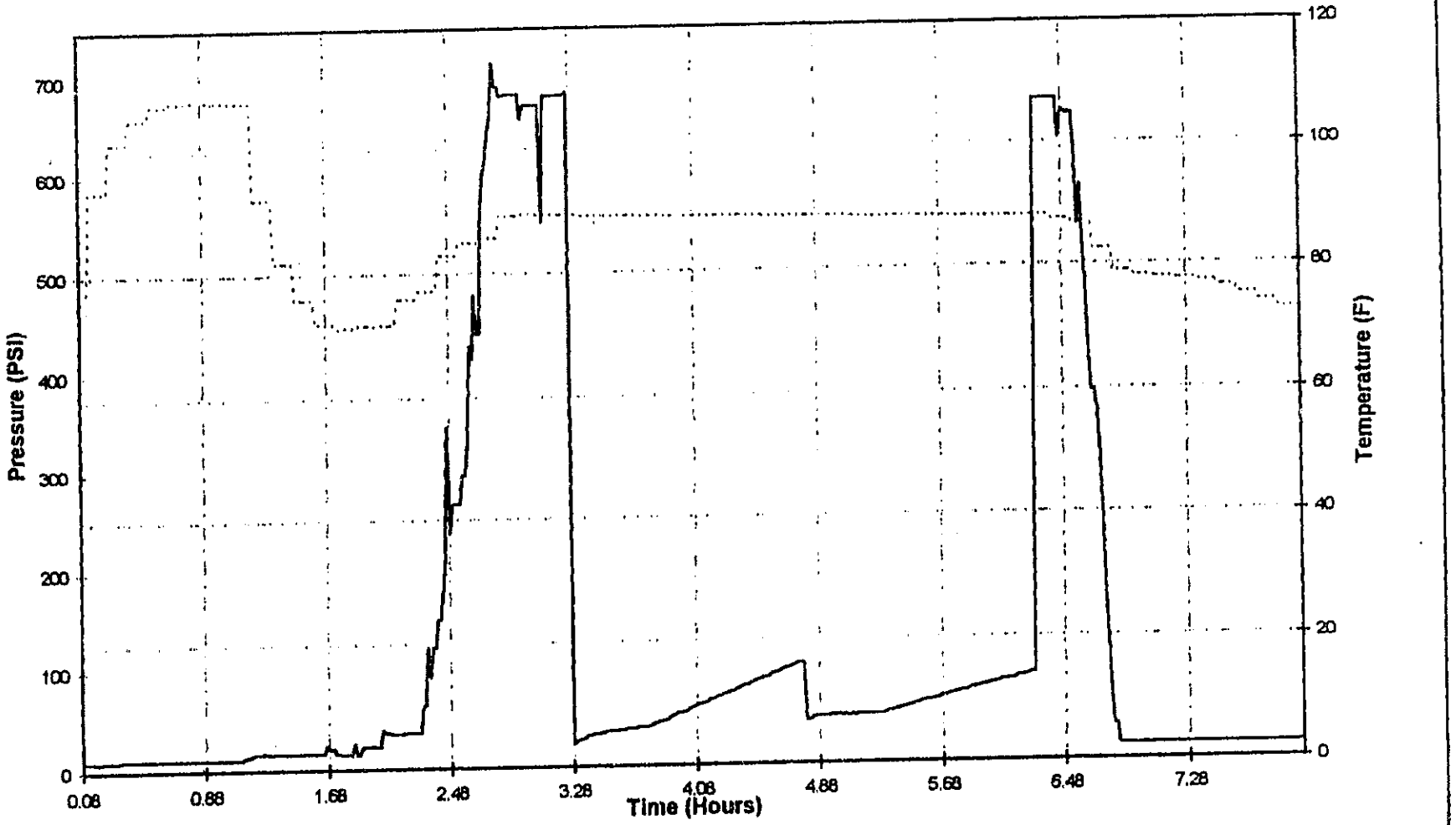
Notes:

DMR Pressure Plot

BAKER OIL TOOLS

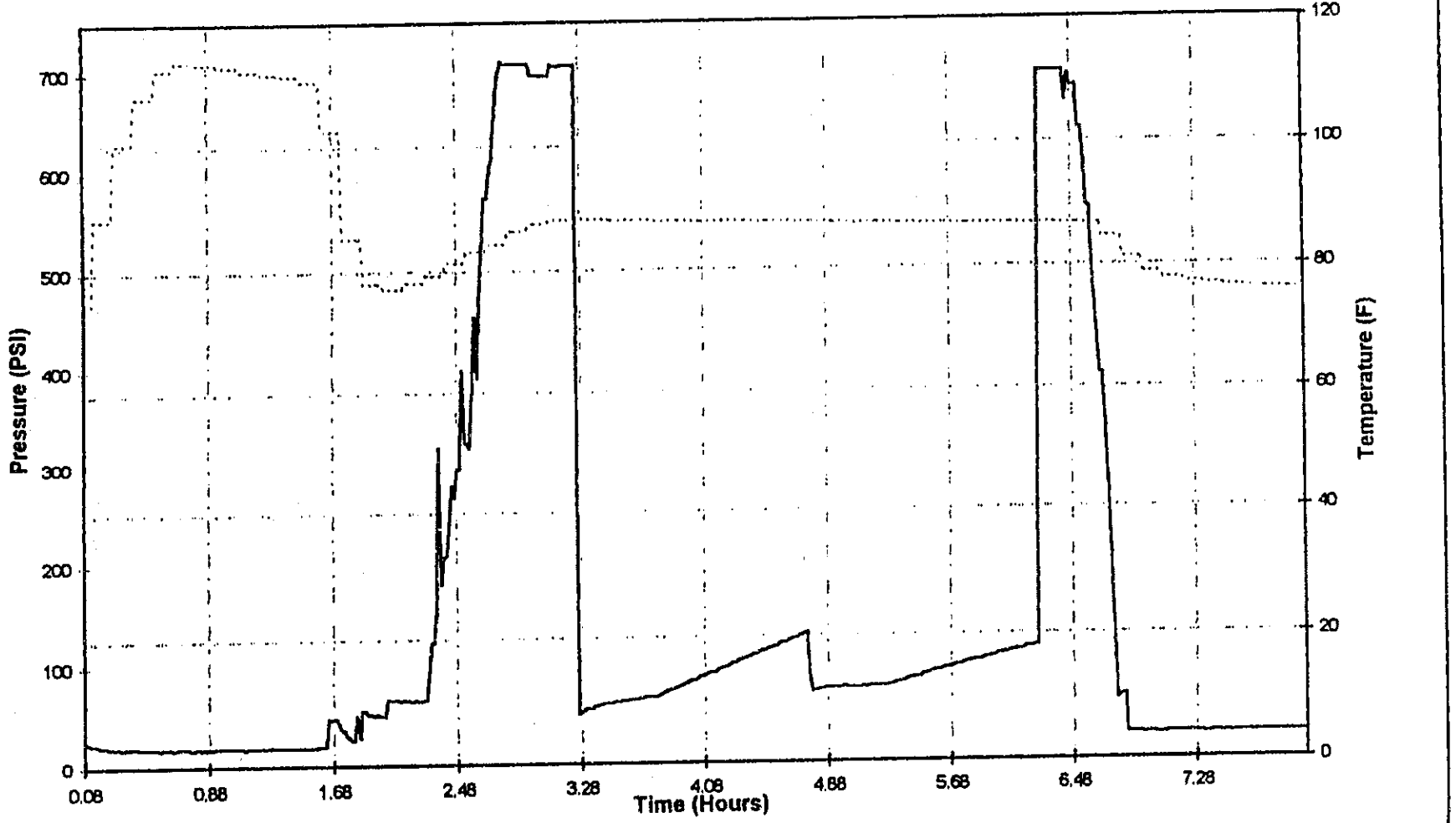


Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/24/97	Gauge Depth: 1405
Well: STATE 10 - 22	Formation: BIG A BUTTE	Start Time: 3/24/97 4:33 PM	Tool Type: 4001
Field: WILDCAT	Test Interval: 1428 - 1460	End Time: 3/25/97 12:29 AM	Technician: LEROY RUSHING

Notes:

DMR Pressure Plot

BAKER OIL TOOLS



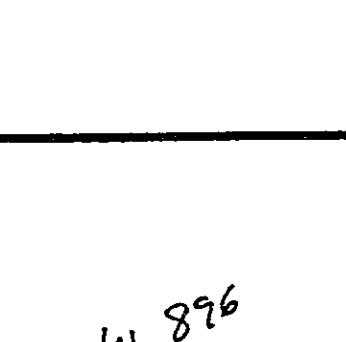
Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/24/97	Gauge Depth: 1439
Well: STATE 10 - 22	Formation: BIG A BUTTE	Start Time: 3/24/97 4:35 PM	Tool Type: 4003
Field: WILDCAT	Test Interval: 1428 - 1490	End Time: 3/25/97 12:30 AM	Technician: LEROY RUSHING

9/8

WELL TEST REPORT

COMPANY NAME	: RIDGEWAY ARIZONA
FIELD	: WILDCAT
WELL NAME	: STATE 10-22
LOCATION	: 22 10N 30E
DST NUMBER	: 2.0
TEST INTERVAL	: 1575-1790 (215')
GAUGE DEPTH	: 1550 feet
GAUGE MODEL	: 257S
GAUGE S/N	: 4001.0
TEST TYPE	: DOWN HOLE CONV.
COMMENTS	:

P/N 896



TECHNICIAN	: LEROY RUSHING
REPORT DATE	: 31-Mar-97

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— BAKER OIL TOOLS —

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BAKER OIL TOOLS

Post Office Box 718
Farmington, New Mexico 87499
1732 East Main Street
Farmington, New Mexico 87401
Telephone (505) 325-0216

OPERATOR:	RIDGEWAY ARIZONA		
WELL NAME:	STATE 10-22		
CONTRACTOR:	AZTEC #124		
DST NO.:	2	**K. B. ELEVATION:**	6892
SPOT:		**FORMATION:**	BIG A BUTTE
SECTION:	22		
TOWNSHIP:	10N		
RANGE:	30E		
FIELD:	WILDCAT		
COUNTY:	APACHE		
STATE:	ARIZONA		
FLOW NO. 1:	30 MIN.	**SHUT-IN NO. 1:**	60 MIN.
FLOW NO. 2:	30 MIN.	**SHUT-IN NO. 2:**	60 MIN.
BOTTOM HOLE TEMP:	89		
TOP CHOKE:	1/8	**BOTTOM CHOKE:**	9/16
HOLE SIZE:	7 7/8	**CASING SIZE & WT.:**	8 5/8 24#
SIZE & WT. D.P.:	4 1/2 XH 16.6#		
I.D. OF D.C.:	2 1/4		
D. C. ABOVE TOOL:	610		
TOTAL DEPTH:	1790		
INTERVAL TESTED:	1575 - 1790		
TYPE OF TEST:	BOTTOM HOLE CONV.		
MUD WEIGHT:	9	**VISCOSITY:**	42
TOOL OPENED @:	16:16:00		

People and Products Providing Solutions for
Completions, Workovers and Fishing

876

OPERATOR: RIDGEWAY ARIZONA
WELL NAME: STATE 10-22
DST NO.: 2
1575-1790' (215')

SAMPLE DATA

SAMPLE CHAMBER:

CAPACITY OF SAMPLE CHAMBER.....:	**2400 CC**
VOLUME OF SAMPLE.....:	**1200 CC**
PRESSURE IN SAMPLE CHAMBER.....:	**350 PSIG**
WHERE WAS SAMPLER DRAINED.....:	RIG
SAMPLE CHAMBER CONTAINED.....:	1200 CC HEAVILY GAS CUT MUD 1.28 CU FT GAS

RESISTIVITY DATA:

TOP SAMPLE.....:	.30 @ 72	21000 PPM
MIDDLE SAMPLE.....:	.44 @ 76	13000 PPM
BOTTOM SAMPLE.....:	.34 @ 70	20000 PPM
SAMPLER.....:	.60 @ 50	14000 PPM
MUD PIT SAMPLE.....:	.35 @ 80	15000 PPM
MAKE UP WATER.....:	6.0 @ 56	1100 PPM

DID WELL FLOW GAS TO SURFACE.....	YES 10 MIN OF INITIAL FLOW
DID WELL FLOW OIL TO SURFACE.....	NO
DID WELL FLOW WATER TO SURFACE..	NO

RECOVERY IN DRILL PIPE: **2.99 Bbl**
610 HEAVILY GAS CUT MUD

BLOW DESCRIPTION:
INITIAL FLOW; TOOL OPENED WITH A BOTTOM OF THE BUCKET BLOW 14 OZ IN 3 MI N,
75 # ON A 1/4" CHOKE IN 20 MIN., 40 # IN 25 MIN., 35# AT THE END OF THE FLOW

FINAL FLOW; SEE GAS FLOW RATES

REMARKS;

OPERATOR RIDGEWAY ARIZONA
WELL NAME STATE 10-22
DST NO.: 2

1575- 1790' (215')

RECORDER DATA

TYPE:	DMR	**TYPE:**	DMR	**TYPE:**	
CAPACITY:	5000	**CAPACITY:**	5000	**CAPACITY:**	
SER. NO.:	4001	**SER. NO.:**	4003	**SER. NO.:**	
LOCATION:	1550	**LOCATION:**	1578	**LOCATION:**	
HOURS:	13:04:00	**HOURS:**	13:05:00	**HOURS:**	
FLOW:	INSIDE	**FLOW:**	INSIDE	**FLOW:**	
IH.....	767	**IH.....**	791	**IH.....**	
FH.....	736	**FH.....**	760	**FH.....**	
IF - 1.....	228	**IF - 1.....**	272	**IF - 1.....**	
FF - 1.....	355	**FF - 1.....**	398	**FF - 1.....**	
IF - 2.....	327	**IF - 2.....**	317	**IF - 2.....**	
FF - 2.....	356	**FF - 2.....**	372	**FF - 2.....**	
SIP - 1.....	410	**SIP - 1.....**	416	**SIP - 1.....**	
SIP - 2.....	411	**SIP - 2.....**	421	**SIP - 2.....**	

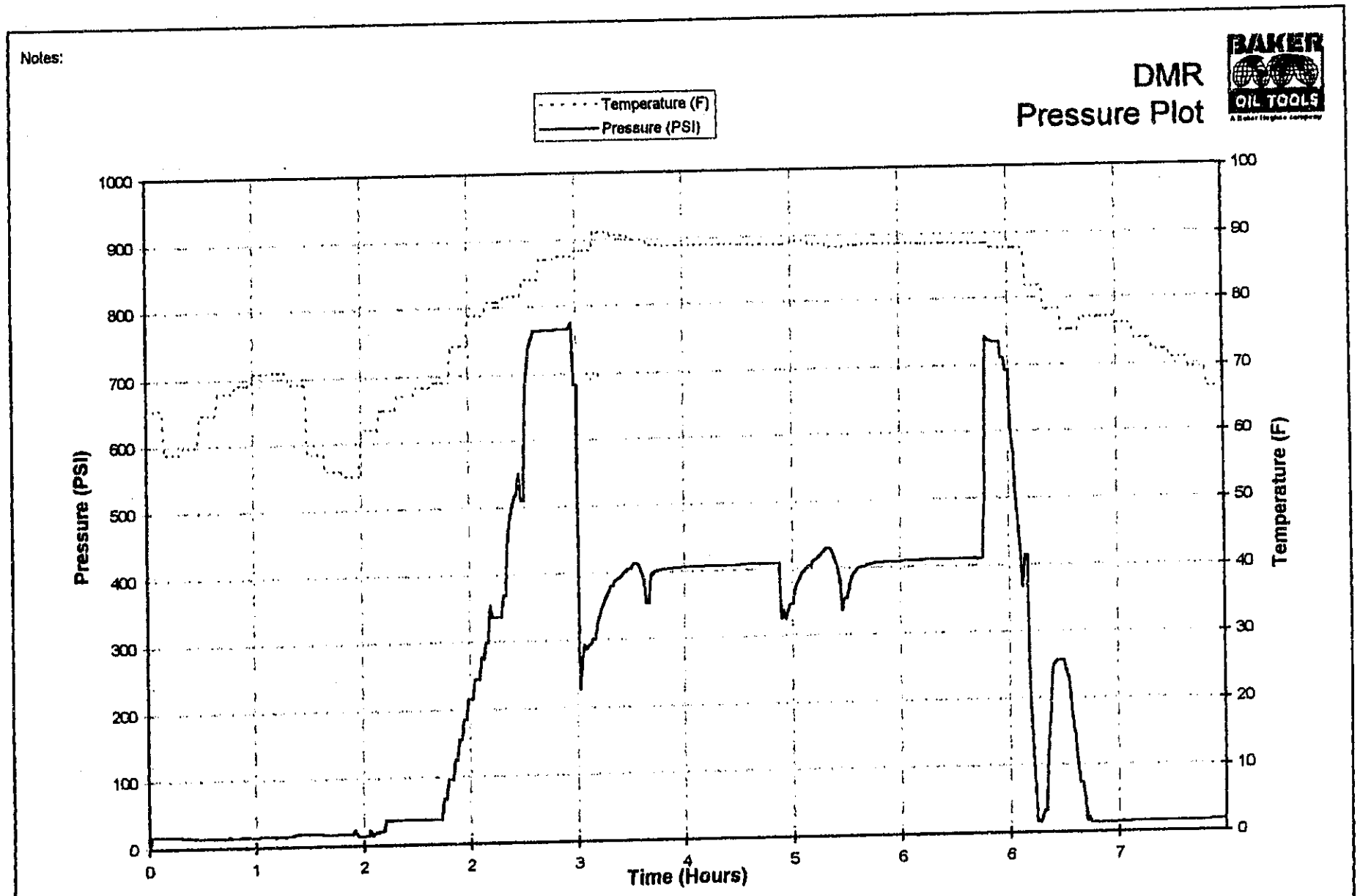
GAS RATES

TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/DAY	REMARKS
5 MIN	1/8	90 PSIG	44.8	
10 MIN	1/8	130 PSIG	66.2	
20 MIN	1/8	100 PSIG	49.1	
25 MIN	1/8	80 PSIG	40.5	
30 MIN	1/8	90 PSIG	44.8	

Notes:

DMR Pressure Plot

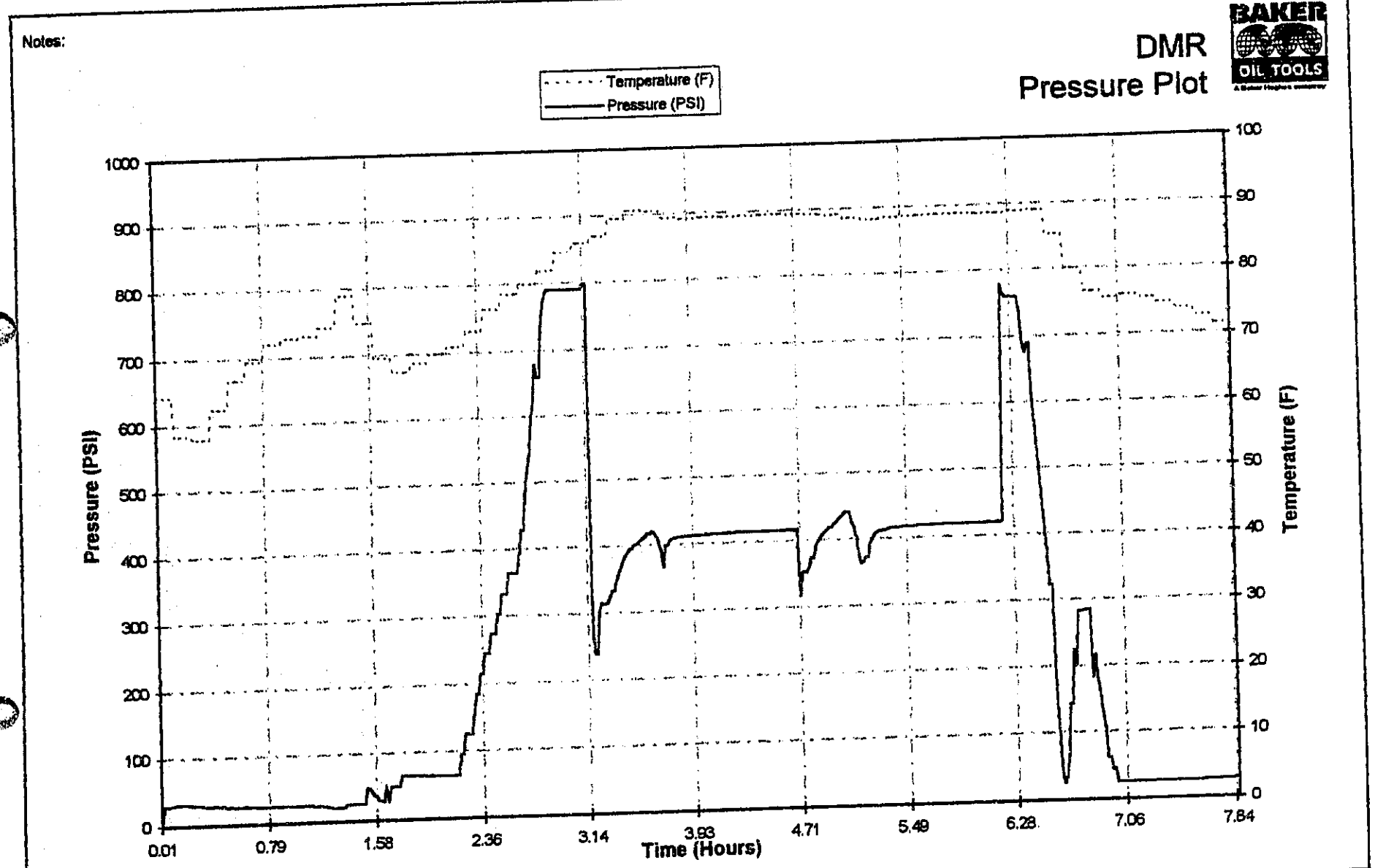
BAKER OIL TOOLS



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/25/97	Gauge Depth: 1550
Well: STATE 10-22	Formation: BIG A BUTTE	Start Time: 3/25/97 1:04 PM	Tool Type: 4001
Field: WILDCAT	Test Interval: 1575-1790	End Time: 3/25/97 9:03 PM	Technician: LEROY RUSHING

Notes:

DMR Pressure Plot



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/25/97	Gauge Depth: 1578
Well: STATE 10 22	Formation: BIG A BUTTE	Start Time: 3/25/97 1:05 PM	Tool Type: 4003
Field: WILDCAT	Test Interval: 1575 - 1790	End Time: 3/25/97 8:56 PM	Technician: LEROY RUSHING

WELL TEST REPORT

COMPANY NAME	: RIDGEWAY ARIZONA
FIELD	: WILDCAT
WELL NAME	: STATE 10 - 22
LOCATION	: 22 10N 30E
DST NUMBER	: 3.0
TEST INTERVAL	: 2054 - 2265 (211')
GAUGE DEPTH	: 2031.0
GAUGE MODEL	: 257S
GAUGE S/N	: 4001.0
TEST TYPE	: BOTTOM HOLE CONV.
COMMENTS	:

PIN 896

TECHNICIAN	: LEROY RUSHING
REPORT DATE	: 31-Mar-97

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— BAKER OIL TOOLS —

896

Post Office Box 718
Farmington, New Mexico 87499
1732 East Main Street
Farmington, New Mexico 87401
Telephone (505) 325-0216

OPERATOR:	RIDGEWAY ARIZONA		
WELL NAME:	STATE 10-22		
CONTRACTOR:	AZTEC #124		
DST NO.:	3	**K. B. ELEVATION:**	6892
SPOT:		**FORMATION:**	GRANITE WASH
SECTION:	22		
TOWNSHIP:	10N		
RANGE:	30E		
FIELD:	WILDCAT		
COUNTY:	APACHE		
STATE:	ARIZONA		
FLOW NO. 1:	30 MIN.	**SHUT-IN NO. 1:**	60 MIN.
FLOW NO. 2:	30 MIN.	**SHUT-IN NO. 2:**	60 MIN.
BOTTOM HOLE TEMP:	98		
TOP CHOKE:	BUBBLE HOSE	**BOTTOM CHOKE:**	9/16
HOLE SIZE:	7 7/8	**CASING SIZE & WT.:**	8 5/8 24#
SIZE & WT. D.P.:	4 1/2 XH 16.6#		
I.D. OF D.C.:	2 1/4		
D. C. ABOVE TOOL:	610		
TOTAL DEPTH:	2265		
INTERVAL TESTED:	2054-2265		
TYPE OF TEST:	BOTTOM HOLE CONV.		
MUD WEIGHT:	9.5	**VISCOSITY:**	45
TOOL OPENED @:	0:34:00		

People and Products Providing Solutions for
Completions, Workovers and Fishing

896

OPERATOR: RIDGEWAY ARIZONA
WELL NAME: STATE 10-22
DST NO.: 3

2054-2265' (211')

SAMPLE DATA

SAMPLE CHAMBER:

CAPACITY OF SAMPLE CHAMBER.....:	**2400 CC**
VOLUME OF SAMPLE.....:	**2200 CC**
PRESSURE IN SAMPLE CHAMBER.....:	**40 PSIG**
WHERE WAS SAMPLER DRAINED.....:	RIG
SAMPLE CHAMBER CONTAINED.....:	2200 CC HEAVILY GAS CUT MUD

RESISTIVITY DATA:

TOP SAMPLE.....:	.82 @ 78	**6500 PPM**
MIDDLE SAMPLE.....:	.96 @ 72	**6500 PPM**
BOTTOM SAMPLE.....:	.96 @ 72	**6500 PPM**
SAMPLER.....:	.68 @ 68	**9500 PPM**
MUD PIT SAMPLE.....:	.60 @ 92	**10500 PPM**
MAKE UP WATER.....:	3.4 @ 58	**2200 PPM**

DID WELL FLOW GAS TO SURFACE.....	NO
DID WELL FLOW OIL TO SURFACE.....	NO
DID WELL FLOW WATER TO SURFACE..	NO

RECOVERY IN DRILL PIPE: 0.3 **Bbl**
60 FT. OF HEAVILY GAS CUT MUD

BLOW DESCRIPTION:
INITIAL FLOW; TOOL OPENED WITH A 1" UNDERWATER BLOW INCREASED TO 2" IN 1 10 MIN., BOTTOM OF THE BUCKET IN 18 MIN., 6 OZ IN 20 MIN. AND REMAINED THROUGH OUT THE FLOW
FINAL FLOW; TOOL OPENED WITH 30 OZ ON THE BUBBLE HOSE DECREASED TO 6 OZ IN 15 MIN., 4 OZ IN 30 MIN.

REMARKS;

OPERATOR RIDGEWAY ARIZONA
WELL NAMI STATE 10-22
DST NO.: 3

2054-2265' (211')

RECORDER DATA

TYPE:	DMR	TYPE:	DMR	TYPE:	
CAPACITY:	5000	CAPACITY:	5000	CAPACITY:	
SER. NO.:	4001	SER. NO.:	4003	SER. NO.:	
LOCATION:	2031	LOCATION:	2059	LOCATION:	
HOURS:	20:26:00	HOURS:	20:28:00	HOURS:	
FLOW:	INSIDE	FLOW:	INSIDE	FLOW:	
IH.....	1036	IH.....	1058	IH.....	
FH.....	1025	FH.....	1047	FH.....	
IF - 1.....	31	IF - 1.....	58	IF - 1.....	
FF - 1.....	57	FF - 1.....	76	FF - 1.....	
IF - 2.....	52	IF - 2.....	75	IF - 2.....	
FF - 2.....	68	FF - 2.....	90	FF - 2.....	
SIP - 1.....	258	SIP - 1.....	258	SIP - 1.....	
SIP - 2.....	175	SIP - 2.....	186	SIP - 2.....	

GAS RATES

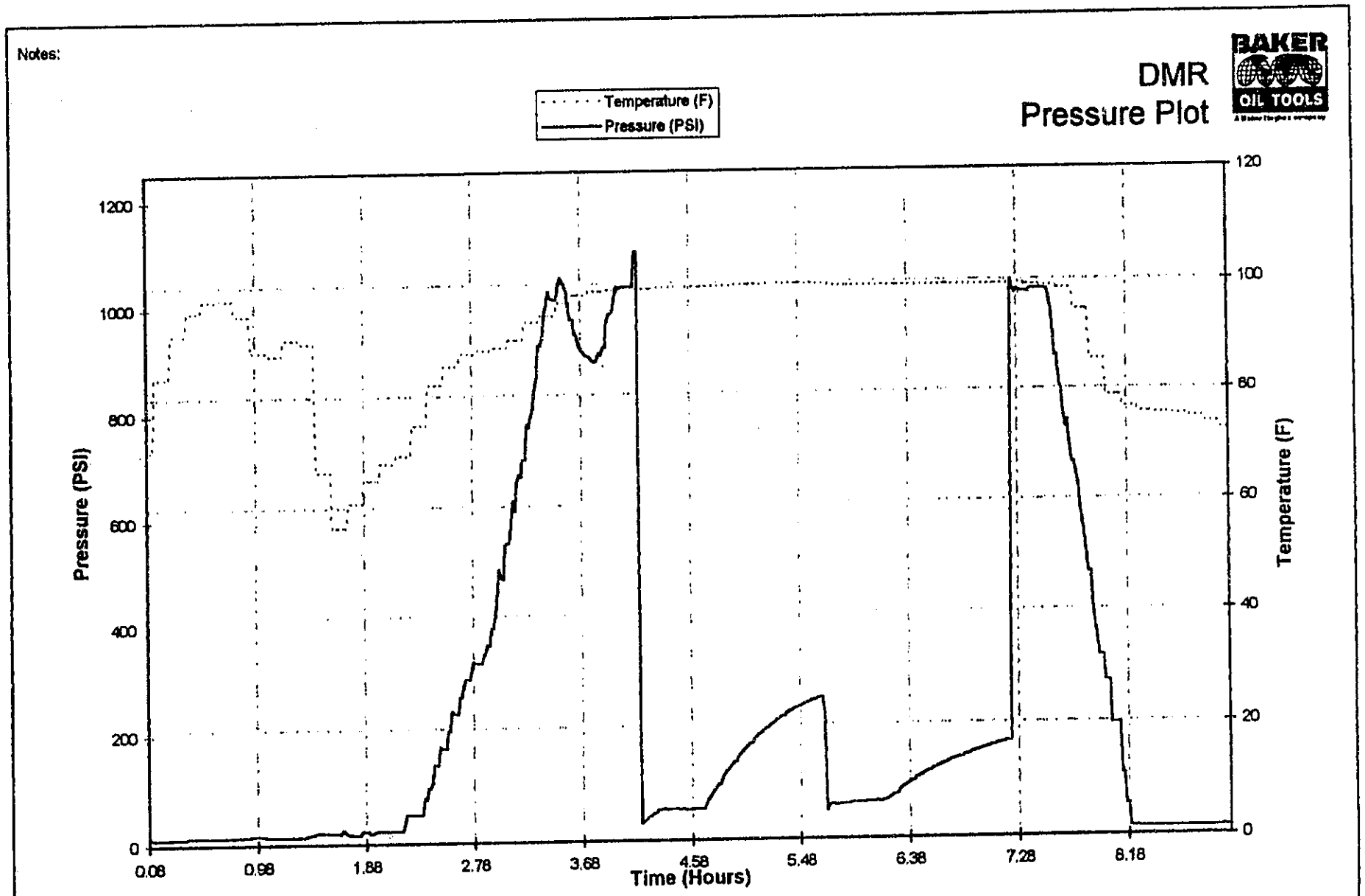
TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/DAY	REMARKS

NO G. T.S.

Notes:

DMR Pressure Plot

BAKER OIL TOOLS



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/26/97	Gauge Depth: 2031
Well: STATE 10 - 22	Formation: GRANITE WASH	Start Time: 3/26/97 8:30 AM	Tool Type: 4001
Field: WILDCAT	Test Interval: 2054 - 2265	End Time: 3/26/97 5:26 PM	Technician: LEROY RUSHING

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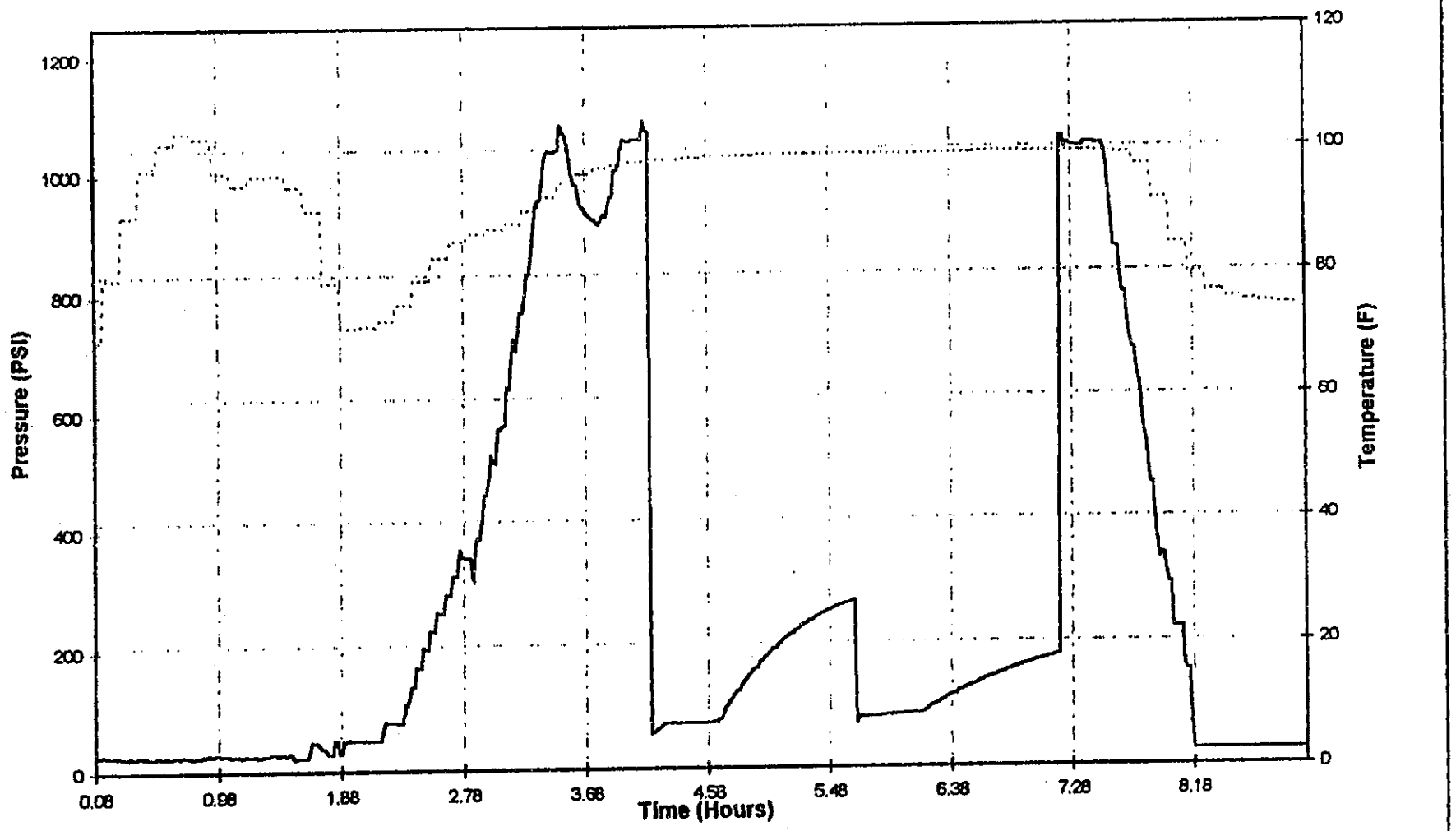
Notes:

DMR Pressure Plot

BAKER OIL TOOLS



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/26/97	Gauge Depth: 2059
Well: STATE 10 - 22	Formation: GRANITE WASH	Start Time: 3/26/97 8:32 AM	Tool Type: 4003
Field: WILDCAT	Test Interval: 2054 - 2265	End Time: 3/26/97 5:28 PM	Technician: LEROY RUSHING

SIDEWALL SAMPLES, SAMPLE NO. 1886

Ridgeway 10-22 State, Permit No. 896
sw sw 22-10n-30e

Box 1 of 2	Box 2 of 2
1482'	2106.5'
1482.5'	2118'
1546'	2124'
1648.5'	2126'
1649'	2157'
1676.5'	2164'
1758'	2235'
1763'	2235.5'
1786'	2051.5'
1786.5'	
2099'	
2106'	

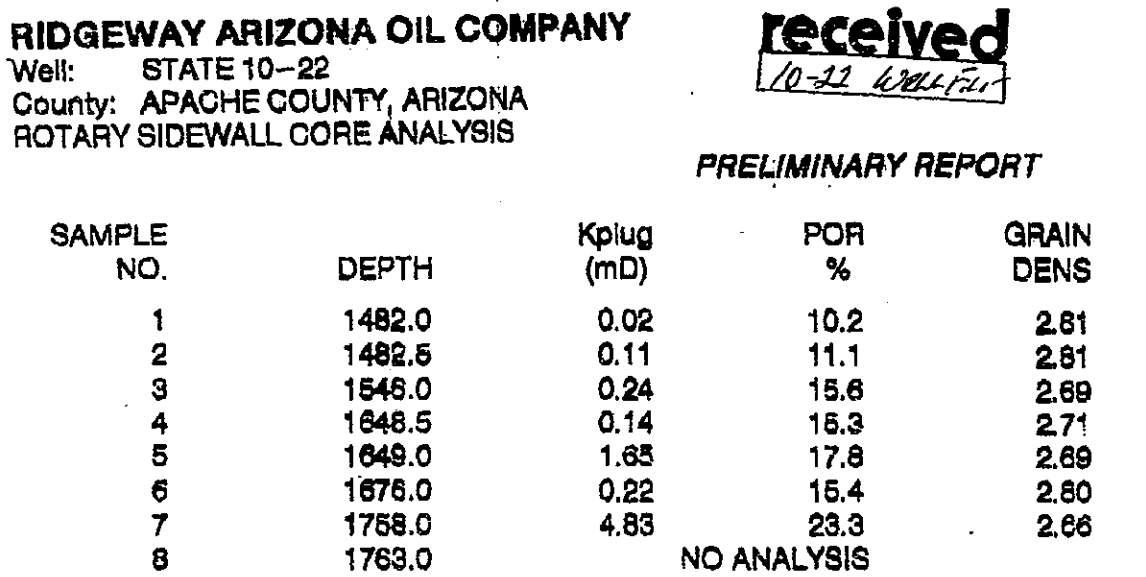
RIDGEWAY ARIZONA OIL COMPANY

Well: STATE 10-22
County: APACHE COUNTY, ARIZONA
ROTARY SIDEWALL CORE ANALYSIS

received
10-22 WELL FILE

PRELIMINARY REPORT

SAMPLE NO.	DEPTH	Kplug (mD)	POR %	GRAIN DENS
1	1482.0	0.02	10.2	2.61
2	1482.5	0.11	11.1	2.61
3	1646.0	0.24	15.6	2.69
4	1648.5	0.14	15.3	2.71
5	1649.0	1.65	17.8	2.69
6	1676.0	0.22	15.4	2.80
7	1758.0	4.83	23.3	2.66
8	1763.0		NO ANALYSIS	
9	1786.2	0.01	5.9	2.72
10	1786.5	0.01	6.3	2.72
22	2051.5	0.01	6.4	2.71
11	2099.0	9.33	10.0	2.80
12	2106.0	0.07	11.7	2.67
13	2106.5	0.29	13.4	2.67
14	2116.0	6.96	8.8	2.80
15	2124.0	0.76	9.3	2.64
16	2126.0	3.16	8.1	2.76
17	2157.0	7.15	9.3	2.80
18	2164.0	2.06	9.6	2.80
19	2197.0	0.08	2.9	2.72
20	2235.0	3.63	10.0	2.66
21	2235.5	1.09	10.7	2.63



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RIDGEWAY ARIZONA OIL CORPORATION

Well: STATE # 10–22
County: APACHE COUNTY, ARIZONA
ROTARY SIDEWALL CORE ANALYSIS

Date: 04–02–97
Job No.: RMC443
Analyst: DAVID FLOYD

SAMPLE NO.	DEPTH	Kplug (mD)	POR %	GRAIN DENS		LITHOLOGY
1	1482.0	0.02	10.2	2.81		Dol sl–mod slty tr sdy lam tr calc sct por
2	1482.5	0.11	11.1	2.81		Dol sl–mod slty tr sdy sct por
3	1546.0	0.24	15.6	2.69		Ss rdbrn vfgr w cons mod–v slty slty lam intgr por
4	1648.5	0.14	15.3	2.71		Ss rdbrn vfgr w cons mod–v slty slty lam intgr por
5	1649.0	1.65	17.8	2.69		Ss rdbrn vfgr mod–w cons slty shly lam intgr por
6	1676.5	0.22	15.4	2.80		Dol sl slty mod–v sdy grdg to ss sct por
7	1758.0	4.83	23.3	2.66		Sltst brnrd w cons mod–v sdy gyp lam sct por
8	1763.0		NO ANALYSIS			Drilling mud
9	1786.2	0.01	5.9	2.72		Sltst ltbrn–lt rdbrn w cons tr–sl sdy tr por
10	1786.5	0.01	6.3	2.72		Sltst ltbrn–lt rdbrn w cons tr–sl sdy tr por
11	2099.0	9.33	10.0	2.80		Sltst brnrd–dk rd w cons tr sdy lam tr por
12	2106.0	0.07	11.7	2.67		Sltst ltbrn–lt rdbrn w cons sl sdy sct gyp sct por
13	2106.5	0.29	13.4	2.67		Sltst ltbrn–lt rdbrn w cons sl sdy tr gyp sct por
14	2118.0	6.96	8.8	2.80		Sltst brnrd–dk rd w cons tr sdy lam tr por
*15	*2124.0	0.76	9.3	2.64	*	Granite sl weathered w cons sct por
16	2126.0	3.16	8.1	2.76		Sltst brnrd–dk rd w cons tr sdy lam tr por
17	2157.0	7.15	9.3	2.80		Sltst ltbrn–lt rdbrn w cons sl sdy sl gyp tr–sct por
18	2164.0	2.06	9.6	2.80		Sltst ltbrn–lt rdbrn w cons sl sdy sl gyp tr–sct por
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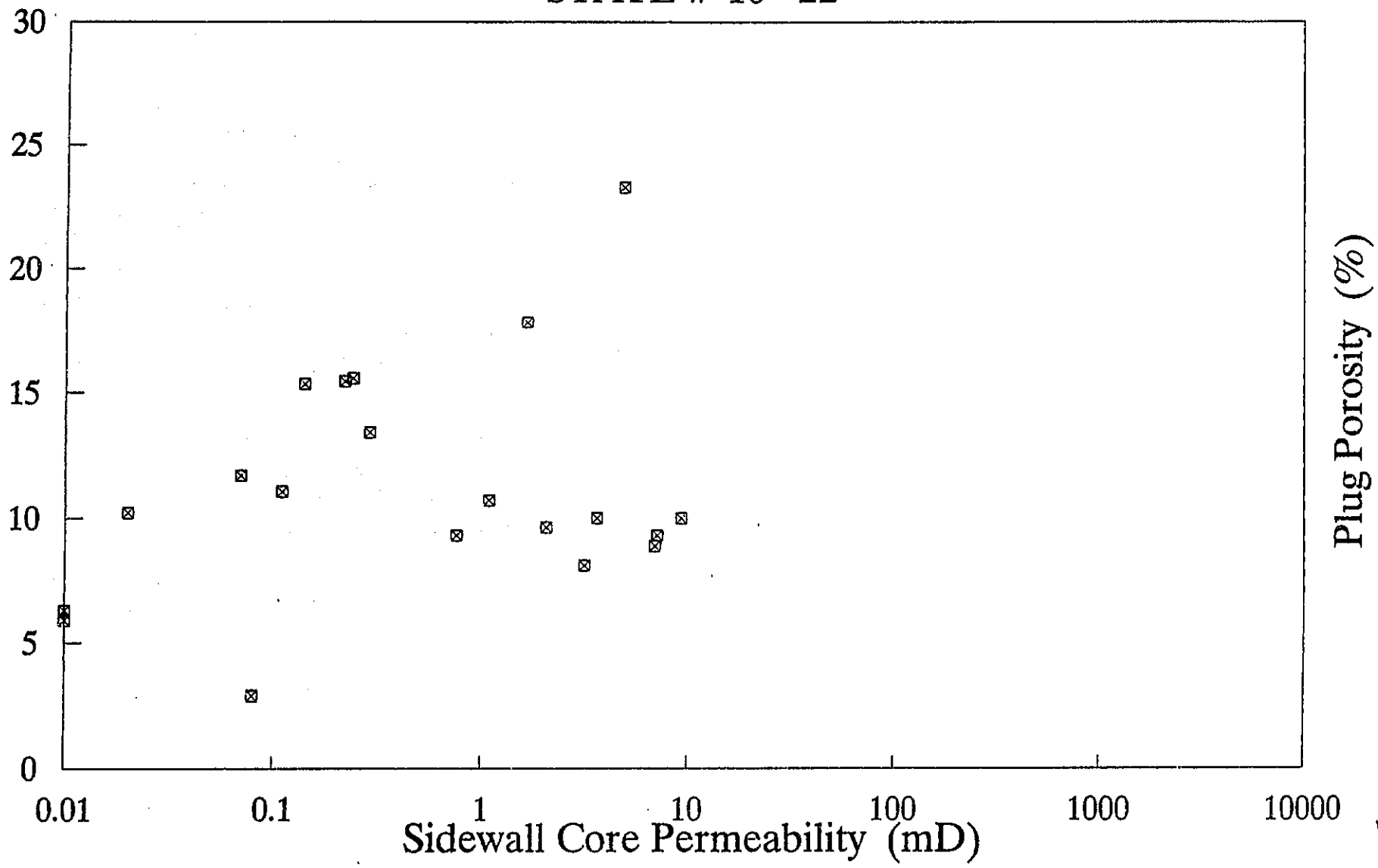
* – Note Lithology Change, Questionable Depth ?

Reservoirs Inc.

RIDGEWAY ARIZONA OIL CORPORATION

STATE # 10–22



MEMORANDUM TO FILE

DATE: March 24, 1997

FROM: Steven L. Rauzi SLR
Oil and Gas Program Administrator

SUBJECT: CIRCULATION OF CEMENT ON SURFACE CASING & BOP TEST
Ridgeway Arizona Oil Corp 10-22 State, Permit #896
SW SW Sec. 22, T. 10 N., R. 30 E., Apache County

This hole had lost circulation at 205 feet and was drilled without returns from 205 to 758 feet. A 35-foot cavern was encountered from 205-240 feet. The bit dropped 20 feet and then 15 feet on the next connection. It was hard drilling from 240-435 feet, medium drilling from 435-450 feet, and easy drilling from 450-758 feet. The proposed 8 5/8" casing depth was +/- 800 feet but it was set at 758 feet because the drill pipe was sticking and there was great risk of getting the drill collars stuck by drilling without returns.

Drilling without returns required a lot of water (about 8 bpm) and time. Two 120-bbl water trucks, with a 3 hour turn around time to load, were used to keep about 3,000 barrels of water in six 400-bbl frac-tanks, the 400-bbl rig tank, and the 150-bbl steel mud pit. As a result, much time was spent waiting on water.

DS (Dowell Schlumberger) cemented the 17 joints of 8 5/8" casing tallied @ 729 feet (set to 743' KB) on Saturday night, March 22. Cement did not circulate. Pumped 69 barrels of 15.8 cement slurry with 2% $CaCl_2$ (335 sacks, 100% excess). The pressure went up before the full displacement volume was pumped. The cement probably picked up cuttings in the hole and bridged off at the lost circulation zone. Poured about 8 yards of concrete down the backside to fill the annular space to the surface.

The blind rams, pipe rams, kill line, and manifold valves all tested good at 750 psi on March 23.

10-22 State (PN 896)

3-17-97 Don Riggs called.

T.D. 9-21 last night @ 2686'

Move to 10-22 tomorrow

Anticipate cmtg csg Friday 3/21/97

3-19-97 Drlg rat + mouse holes, Pusher change out.

will spud today.

If no lost circ may run + cmt csg tomorrow a.m.

If lost circ = no telling.

3-31-97 T.D. @ 2265' Friday night or Thursday.

PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: RIDGEWAY ARIZONA OIL CORPORATION
(OPERATOR)

to drill a well to be known as

10-22 STATE
(WELL NAME)

located 660' fsl & 660' fwl

Section 22 Township 10N Range 30E, APACHE County, Arizona.

The W2 SW of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 14 day of FEBRUARY, 19 [redacted].

OIL AND GAS CONSERVATION COMMISSION

By Steven L. Rauzi
~~EXECUTIVE DIRECTOR~~
OIL & GAS PROGRAM ADMINISTRATOR

PERMIT [redacted]

RECEIPT NO. 3094

A.P.I. NO. 02-001-20308

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill
FORM NO. 27

SAMPLES AND COPIES OF ALL TEST REPORTS AND LOGS ARE REQUIRED PURSUANT TO A.A.C. R12-7-121

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒ RE-ENTER OLD WELL ☐

Ridgeway Arizona Oil Corp
NAME OF COMPANY OR OPERATOR

Box 1110 — Address
St. Johns — City
Az. 85936 — State

Aztec Well Service
Drilling Contractor

Box 100, Aztec N.M. 87410
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
13-100215	10-22	~~6978.4~~ 6978.4

Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied–for well on the same lease:
660 feet	None feet

Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:
2118.19	1

If lease, purchased with one or more wells drilled, from whom purchased: Name — Address

Well location (give footage from section lines)	Section–township–range or block and survey	Dedication (Comply with Rule 105)
660 F/WL & 660 F/SL	Sec 22 T10N R30E GSRM	80 Acres W½ of SW

Field and reservoir (if wildcat, so state)	County
Wildcat Ft Apache	Apache

Distance in miles, and direction from nearest town or post office
10 Mi NE of Springerville Az.

Proposed depth:	Rotary or cable tools	Approx. date work will start
2300'	Rotary	2-25-97

Bond Status / Amount	Organization Report	Filing Fee of $25.00
On File / $25000	On file X Or attached	Attached X

Remarks:

See Attached Drilling Prognosis

See 7.5' Coyote Creek Quad - Attached

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the V.P. of the Ridgeway Arizona Oil Corp (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

API # 02-001-20308

2-8-97
Date

Permit Number: 896
Approval Date: FEB 14 1997
Approved By: Steven L. Ramos

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 3

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat.

896

2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.

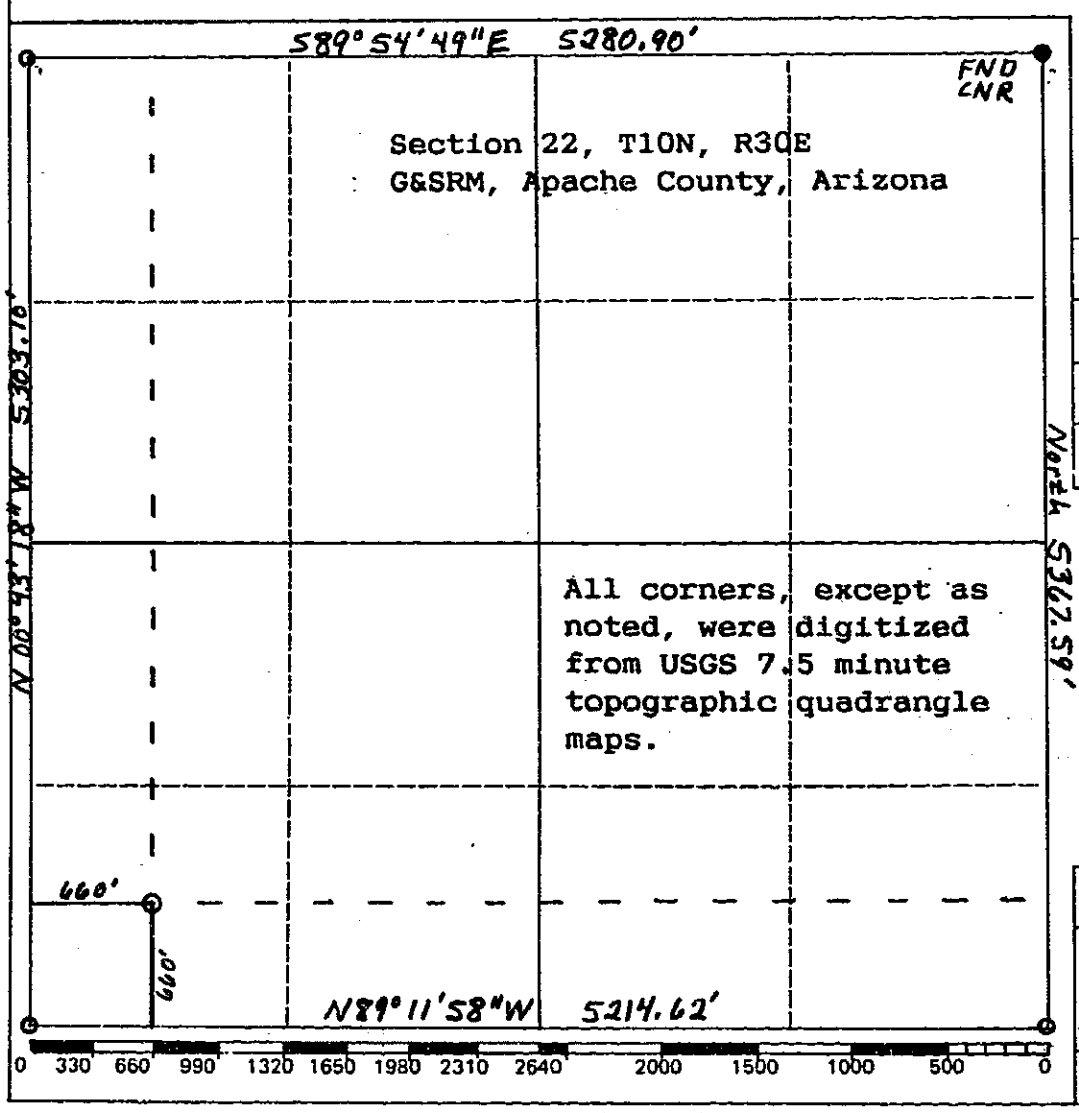
3. ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.

4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO _____.

5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____

6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description



CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Feb 3, 1982

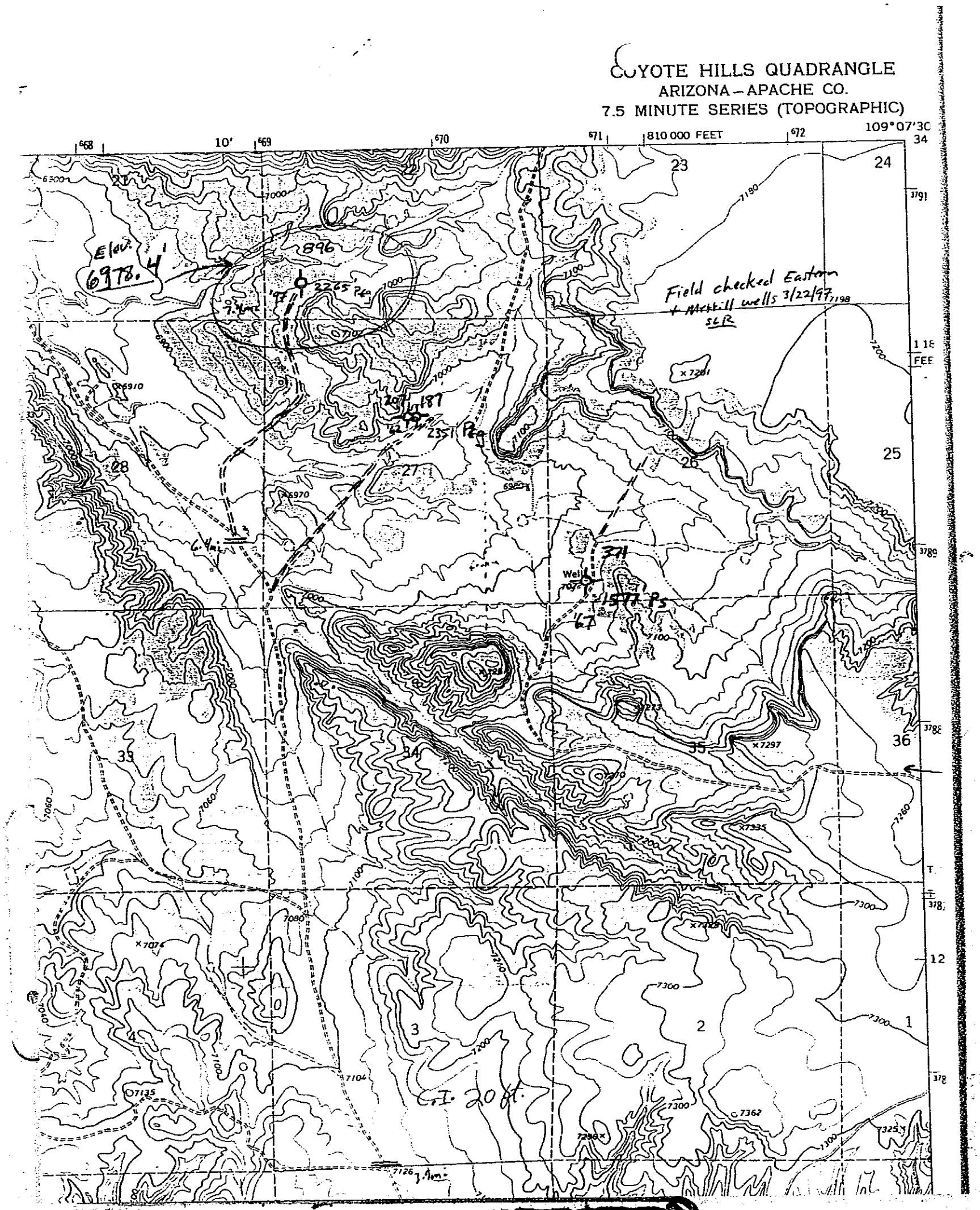
Registered Professional Engineer and/or Land Surveyor 23947
KENNETH FLYGARE
Signed
REGISTERED LAND SURVEYOR CERTIFICATE NO. ARIZONA, U.S.A.

Certificate No. 23947

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement	Type
8 5/8"	23#	K-55	0	800±	800±	380	Class B-2%CC
4 1/2	4.25#	Fiberglass	0	2300±	2300±	545	50-50-Poz

COYOTE HILLS QUADRANGLE
ARIZONA – APACHE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



DRILLING WELL PROGNOSIS

OPERATOR Ridgeway/Az. Oil Corp LEASE STATE NO. 10-22
LOCATION Sec 22 T20N R30E G+SRM
COUNTY Apache STATE Az.
ELEVATION: Ground Level 6878.4 → 6978.4 Kelly Bushing 6892.4 → 6992.4

GEOLOGICAL PROGRAM

Tops	Depth	Cores-Depths	Drill Stem Tests-Depths
Glorieta	465		
Supai	675		
Ft Apache	1380	1375 - 1445	
Big A Butte	1445	1445 - 1715	

See 7.5' Coyote Creek Quad - A Harland -

Electric Logging: Company Halliburton Phone 505-324-3500
Logging Program: CNL - Dnw, DLL - MSFL - BHC - TD

Well Site Geologist Geo Li Scott III Off Phone 505-622-6715
Home Phone 505-622-6695 Mob Phone 505-626-4568
Mudlogger: John Dunn Off Phone 505-748-2660
Mob (or trailer) Phone 520-521-2878
Coring Co Devil Diss Coring Phone 405-392-2515
Coring Analysis Co. Reservoirs Inc Phone 800-925-2446
Drill Stem Testing Co. Hall. Dunton Phone 505-324-3500
Sample Catching Instructions Catch 10' Samples
Drilling Time Instructions Keep 10' Drilling Times

MUD PROGRAM
Mud Engineer & Co. Don Dunham Off Phone 337-4422
Home Phone Mob Phone

Depths	Instructions
0-800 ±	35-40 Vis Dispersed, 10 cc wtr loss
800-2300 ±	Salt 35000 Cl.
Log	45 Vis

ENGINEERING PROGRAM
Well Site Engineer/Supervisor Don Riggs Off Phone 337-3230
Home Phone 337-2458 Mob Phone 528-3222
Drilling Contractor Aztec Well Service Off Phone 505-334-6181
Tool Pusher Buddy Davis Home Phone 325-5814 Mob Phone
Cementing Co. Hall. Dunton Off Phone 505-324-3500
Water Hauler Aztec Phone 337-4422

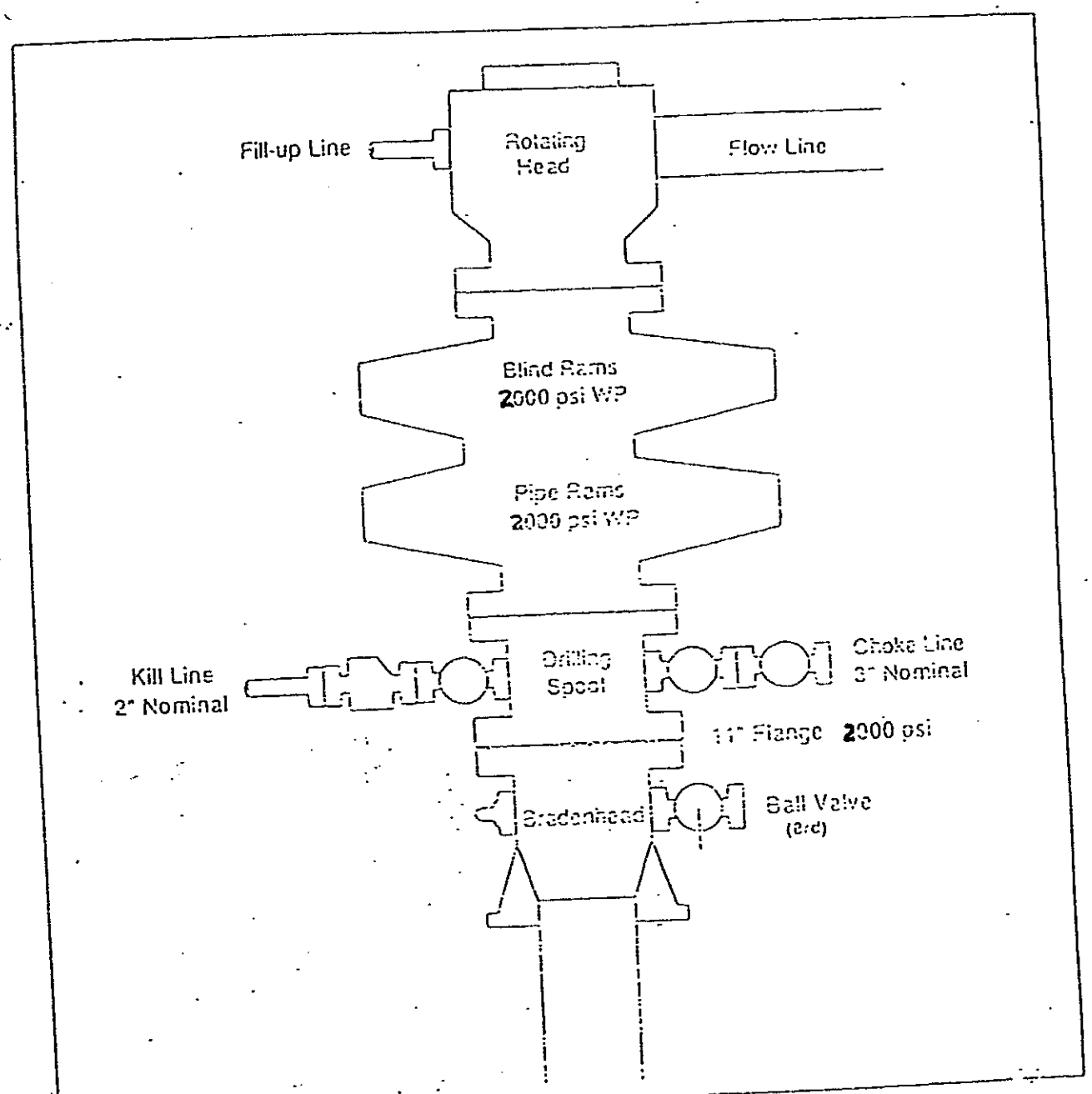
Casing				Cement	
Hole Size	Csg Size	Weight	Depth Set	Type & Sacks	Est top of cmt
12 1/4	8 5/8	23#	825 ±	Class B 435 sk	Surface
7 7/8	4 1/2	9.25	2300 ±	50/50 Poz 545 sk	Surface

SHOWS & BREAKS - INSTRUCTIONS Mudlogger to contact geologist w/ Co2 or Hydrocarbon shows

OTHER INSTRUCTIONS Work Safe

DAILY DRILLING REPORTS TO: Don Riggs

BOP STACK ARRANGEMENT

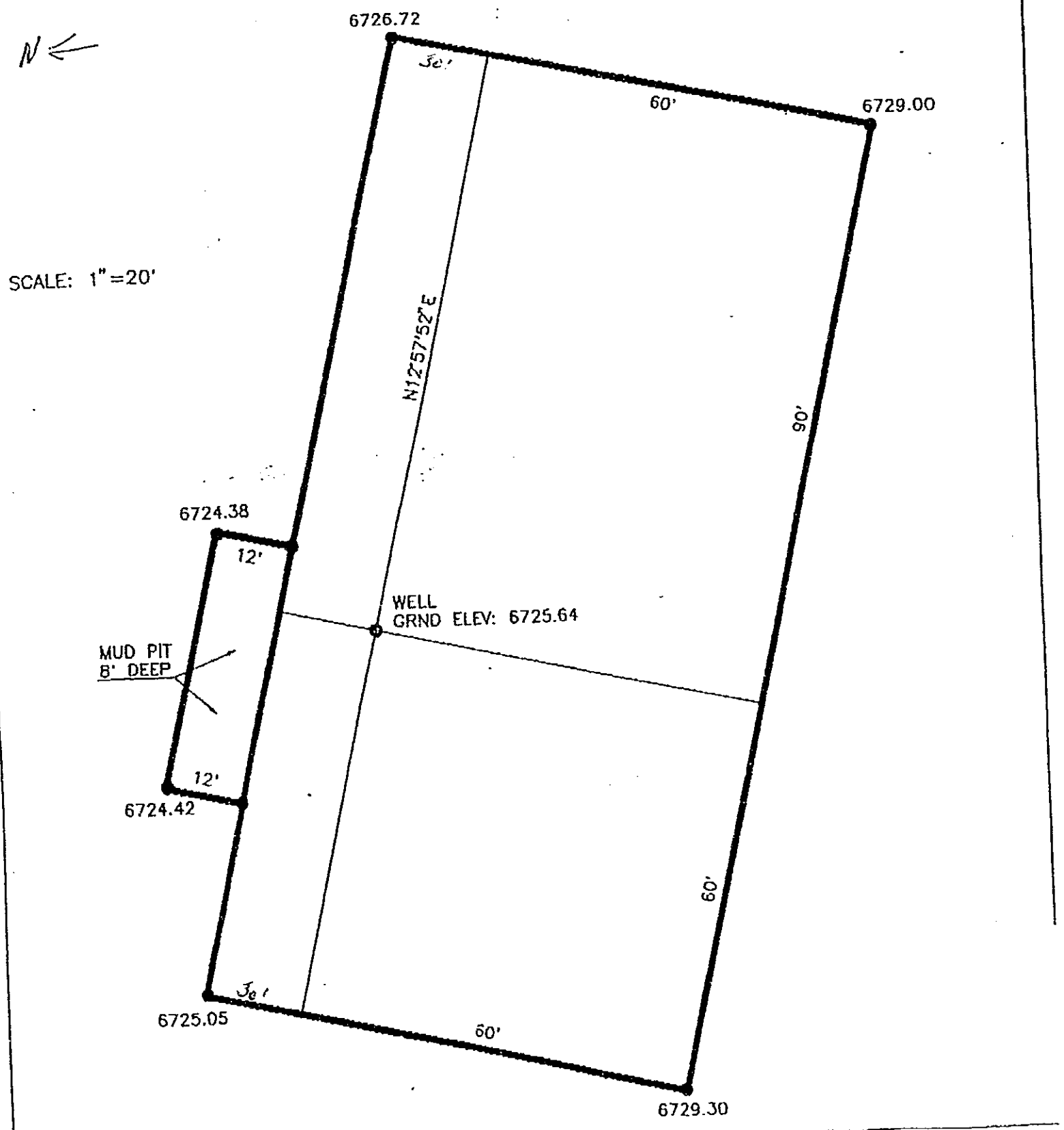


All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 600 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

01/11/95 11:09 [illegible]

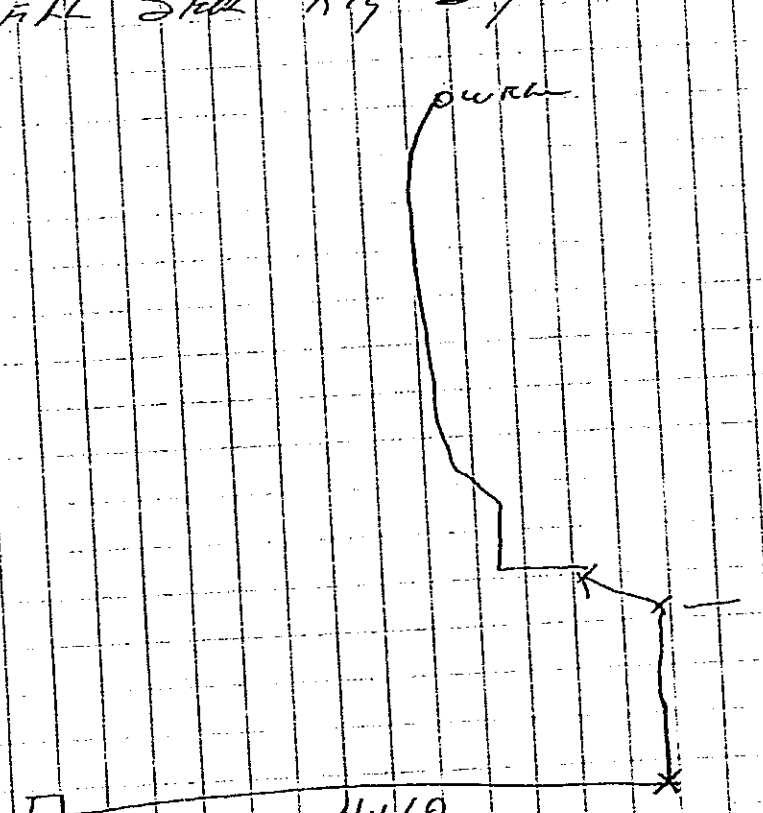
WELL PAD LAYOUT

R. Spraw 42 #2 E.L. (CV4)
STATE 10-22
Sec 22 T16N R30E
Aitkin Co. MN



Ridgeway Az R.V. Corp
Box 1110
St. Johns Az 85936
520 - 337 - 3230
FAX 337 - 3162

Direction To:
State 10-22
Sec 22, T10N, R30E - 660' F/W & 660' F/S SW 1/2 of SW
Go 7.8 mi East of Springerville on Hy 60 To
Apache Co Rd. #6023. Turn Left 1/2 mi To Cattle
guard. Turn Left Through Cattle Guard 1/2 mi
To 2nd Cattle Guard. Turn on Fenced Lease
Road F/ 1 1/2 mi To Rig. There are Aztec
Walk Steel Rig Signs At The Hy 60 Entrance.



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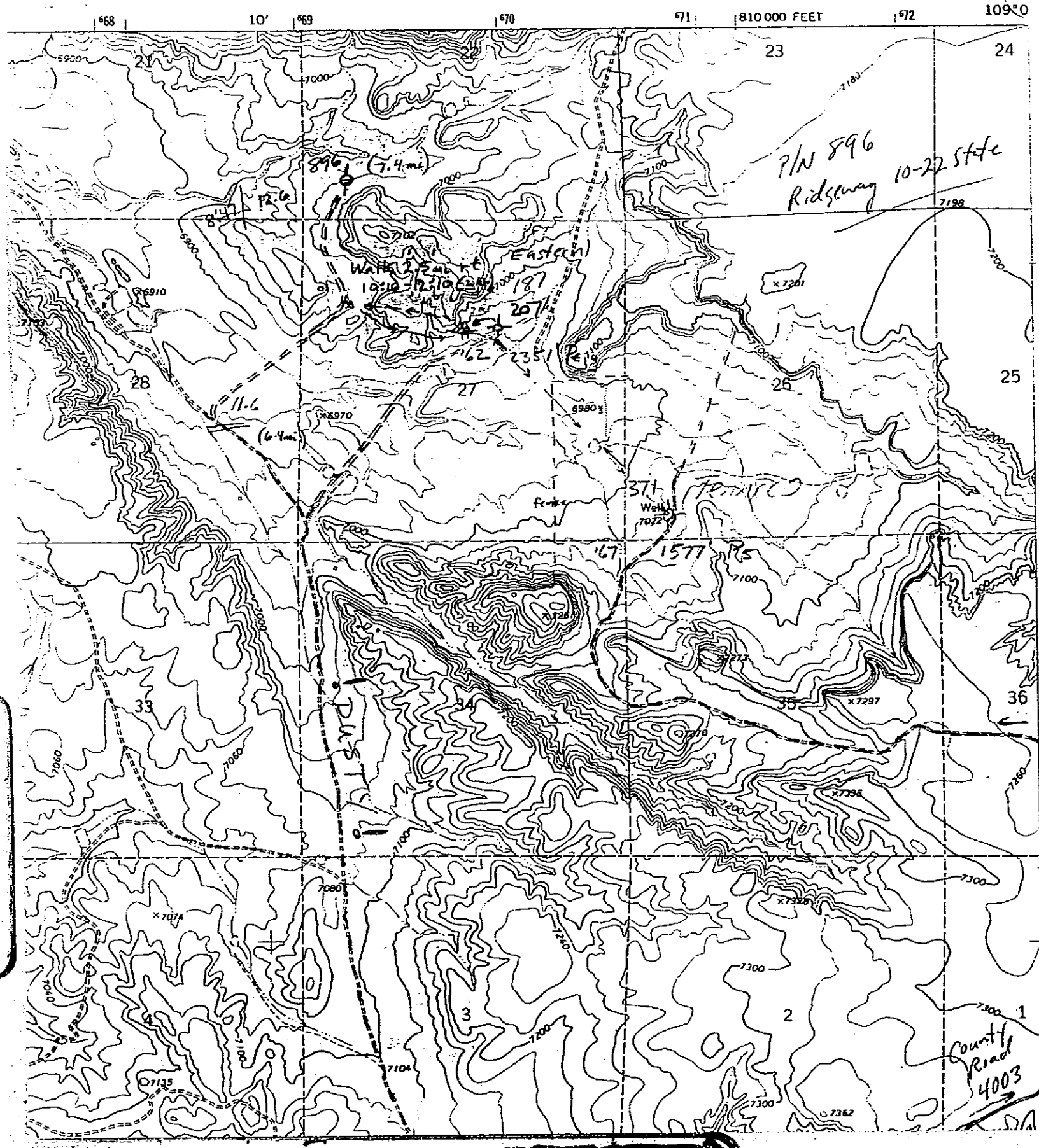
ARIZONA—APACHE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



1022

RIDGEWAY ARIZONA OIL CORP.
OPERATING ACCOUNT
P. O. BOX 1110 520-337-2458
ST. JOHNS, AZ 85936

91-2/1221 43

DATE 2-13-97

PAY TO THE ORDER OF STATE OF ARIZONA $ 25 00

Twenty Five & 00/100 DOLLARS

BANK ONE.
Bank One, Arizona, NA
St. Johns Office (043)
St. Johns, Arizona

FOR Permit 10-22

⑈001022⑈ ⑆122100024⑆ 1266 2327⑈

RECEIPT Date 2-14 19 97 No. 3094

Received From Ridgeway Arizona Oil Corp

Address P.O. Box 1110, St. Johns Arizona

twenty five and 00/100 Dollars $25.00

For Application fee 10-22 State permit 896

ACCOUNT			HOW PAID		
AMT. OF ACCOUNT			CASH		
AMT. PAID			CHECK	25	00
BALANCE DUE			MONEY ORDER		

Check # 1022

By Steven L. Ring

81806 Redifprm

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual
RIDGEWAY ARIZONA OIL CORPORATION

Mailing Address and Phone Number
1080,700 - 4th Ave. SW Calgary, Alberta, Canada T2P-3J4

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual
Corporation

Purpose of Organization (State type of business in which engaged)
Oil & Gas Exploration and Production

If a reorganiztion, give name and address of previous organization
Newco

If a foreign corporation, give (1) State where incorporated	(2) Name and mailing address of state agent	(3) Date of permit to do business in state
Arizona State Corp.	Don Riggs PO Box 1110 St. Johns, AZ 85936	May 16,1994

Principal Officers or Partners (if partnership) NAME	TITLE	MAILING ADDRESS
Walter B. Ruck	President	2604 Signal Ridge View SW Calgary Alberta T3H 3G1
Don R. Riggs	Vice President	PO Box 1110 St. Johns, AZ 85936
E. Maxine Robertson	Secretary	872 Queensland Dr. SE Calgary, Alberta T2J 6E6

DIRECTORS NAME	MAILING ADDRESS
Walter B. Ruck	As above
Don R. Riggs	As above
E. Maxine Robertson	As above

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice-President of the Ridgeway Arizona Oil Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

2-19-97
Date

FEB 1997
ARIZONA GEOLOGICAL SURVEY

Mail completed form to:
Oil and Gas Program Administrator
Arizona Geological Survey
416 W. Congress., #100
Tucson, AZ 85701

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Organization Report
File One Copy
Form No. 1

2/96

P/N 896

RIDGEWAY ARIZONA OIL CORPORATION

STATE 10–22

APACHE COUNTY, ARIZONA

ROTARY SIDEWALL CORE ANALYSIS

2057 COMMERCE DRIVE • MIDLAND, TEXAS 79703 • (915) 699-2468 • FAX: (915) 699-2464

P/N 896

RIDGEWAY ARIZONA OIL CORPORATION

STATE 10–22

APACHE COUNTY, ARIZONA

ROTARY SIDEWALL CORE ANALYSIS

AUG 1997
ARIZONA GEOLOGICAL SURVEY

Reservoirs Inc.

RESERVOIRS, INC.

CONVENTIONAL AND SPECIAL CORE ANALYSIS
GAS & LIQUID ANALYSIS • OIL FINGERPRINTING
GEOLOGICAL ANALYSIS • CLASTICS/CARBONATES
SINGLE WELL/FIELD/REGIONAL STUDIES
WELL COMPLETION/STIMULATION STUDIES
ENVIRONMENTAL SERVICES

2057 COMMERCE DRIVE MIDLAND, TEXAS 79703 (915) 699-2468 FAX (915) 699-2464

April 18, 1997

Mr. Don Riggs
RIDGEWAY ARIZONA OIL CORPORATION
Box 2699
St. Johns, Arizona 85936

Re: State 10-22
Apache County, Arizona
Rotary Sidewall Cores

Dear Mr. Riggs:

Our data for the above referenced well are enclosed on the following pages in tabular form for correlation convenience.

We will retain our data and results in our files for future reference. We hope these results will be useful in evaluating your property. If you have any questions regarding our data or procedures, please do not hesitate to contact us.

We appreciate the opportunity of serving your core analysis needs and look forward to working with you and Ridgeway Arizona Oil Corporation again.

Thank you.

Sincerely,

David K. Floyd
Core Analysis Manager
Geologist

PROCEDURES

Re: State 10-22
Apache County, Arizona
Rotary Sidewall Cores

* The rotary sidewall cores were delivered to Reservoirs, Inc. in Midland, Texas from the wellsite.

* The rotary sidewall cores were analyzed.

* Porosities were determined using Boyle's Law Principle.

* Permeability to air was measured using the Hassler Sleeve Permeameter.

* The sidewall cores will be stored for thirty days at no additional charge.

DISTRIBUTION

6 cc RIDGEWAY ARIZONA OIL CORPORATION
Box 2699
St. Johns, Arizona 85936

Attn: Mr. Don Riggs

RIDGEWAY ARIZONA OIL CORPORATION

Well: STATE # 10–22
County: APACHE COUNTY, ARIZONA
ROTARY SIDEWALL CORE ANALYSIS

Date: 04–02–97
Job No.: RMC443
Analyst: DAVID FLOYD

SAMPLE NO.	DEPTH	Kplug (mD)	POR %	GRAIN DENS	LITHOLOGY
1	1482.0	0.02	10.2	2.81	Dol sl–mod slty tr sdy lam tr calc sct por
2	1482.5	0.11	11.1	2.81	Dol sl–mod slty tr sdy sct por
3	1546.0	0.24	15.6	2.69	Ss rdbrn vfgr w cons mod–v slty slty lam intgr por
4	1648.5	0.14	15.3	2.71	Ss rdbrn vfgr w cons mod–v slty slty lam intgr por
5	1649.0	1.65	17.8	2.69	Ss rdbrn vfgr mod–w cons slty shly lam intgr por
6	1676.5	0.22	15.4	2.80	Dol sl slty mod–v sdy grdg to ss sct por
7	1758.0	4.83	23.3	2.66	Sltst brnrd w cons mod–v sdy gyp lam sct por
8	1763.0	NO ANALYSIS			Drilling mud
9	1786.2	0.01	5.9	2.72	Sltst ltbrn–lt rdbrn w cons tr–sl sdy tr por
10	1786.5	0.01	6.3	2.72	Sltst ltbrn–lt rdbrn w cons tr–sl sdy tr por
11	2099.0	9.33	10.0	2.80	Sltst brnrd–dk rd w cons tr sdy lam tr por
12	2106.0	0.07	11.7	2.67	Sltst ltbrn–lt rdbrn w cons sl sdy sct gyp sct por
13	2106.5	0.29	13.4	2.67	Sltst ltbrn–lt rdbrn w cons sl sdy tr gyp sct por
14	2118.0	6.96	8.8	2.80	Sltst brnrd–dk rd w cons tr sdy lam tr por
*15	*2124.0	0.76	9.3	2.64	* Granite sl weathered w cons sct por
16	2126.0	3.16	8.1	2.76	Sltst brnrd–dk rd w cons tr sdy lam tr por
17	2157.0	7.15	9.3	2.80	Sltst ltbrn–lt rdbrn w cons sl sdy sl gyp tr–sct por
18	2164.0	2.06	9.6	2.80	Sltst ltbrn–lt rdbrn w cons sl sdy sl gyp tr–sct por
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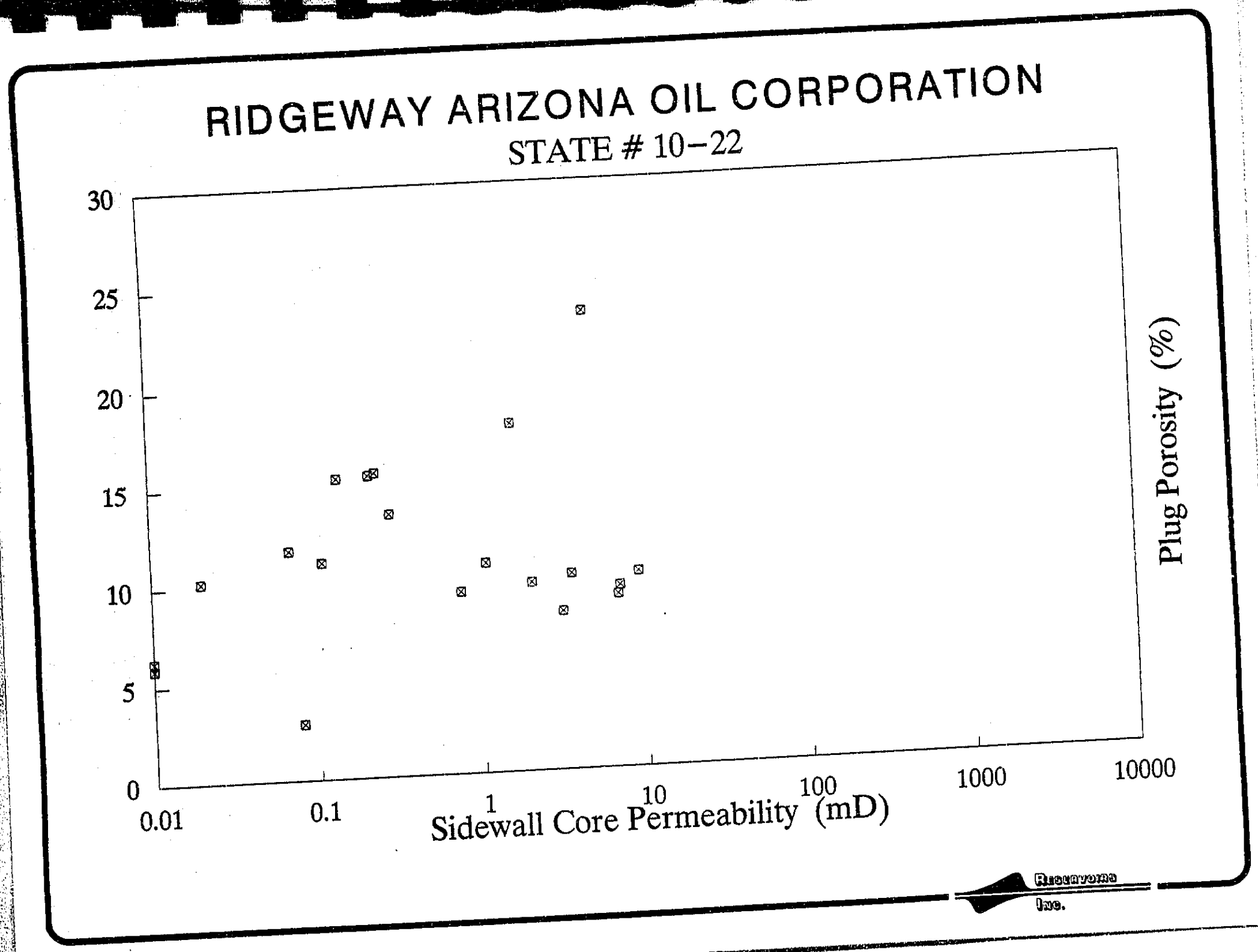
RIDGEWAY ARIZONA OIL CORPORATION
STATE # 10-22
30
25
20
15
10
5
0
0.01
0.1
1
10
100
1000
10000
Sidewall Core Permeability (mD)
Plug Porosity (%)
Reservoirs Inc.

NOMENCLATURE

a/a	As Above
abnt	Abundant
ang	Angular
anhy	Anhydrite(ic)
aren	Arenaceous
arg	Argillaceous
bcm	Becoming
bit	Bitumenious
blk	Black
blky	Blocky
bn	Brown
bl	Blue
bri	Bright
buf	Buff
bur	Burrowed
calc	Calcareous
carb	Carbonaceous
cmt	Cement
chlky	Chalky
cht	Chert(y)
cly	Clay(ey)
cln	Clean
clr	Clear
c	coarse
conch	Chonchoidial
cons	Consolidated
crp	Crypto
xl(n)	Crystal(line)
dk	Dark
dd	Dead
dns	Dense
dia	Diameter
dism	Disseminated
dol	Dolomite(ic)
erthy	Earthy
embd	Embedded
evap	Evaporite
fnt	Faint
fr	Fair
f	Fine
fis	Fissle
flu	Fluorescence
fos	Fossil(iferous)
frac	Fracture
fri	Friable
glau	Glauconite
g	Good
grdg	Grading
gr	Grain
gy	Gray(ish)
gn	Green
gyp	Gypsum
gld	Gold
hal	Halite
hd	Hard
hvy	Heavy
hz	Horizontal
ip	In Part
incl	Inclusion
incr	Increasing
intbd	Interbedded
intxl	Intercrystalline
intgr	Intergranular
lam	Laminated
lg	Large
lt	Light(er)
lig	Lignite
ls	Limestone
lse	Loose
m	Medium
mic	Mica
micxl	Microcrystalline
mlky	Milky
mnrl	Mineral
mod	Moderate
mott	Mottled
mdst	Mudstone
n/s	No Show
nvp	No Visible Porosity
nod	Nodules
occ	Occasional
od	Odor

O	Oil
ool	Oolitic
opq	Opaque
orng	Orange
ptg	Parting
plty	Platey
p	Poor
por	Porosity
pos	Possible
ppp	Pin Point Porosity
pred	Predominant(ly)
pyr	Pyrite
qtz	Quartz
rr	Rare(ly)
rexl	Recrystalized
rd	Red
res	Residual
rnd	Round(ed)
ROP	Rate of Penetration
sdy	Sand(y)
ss	Sandstone
sat	Saturated
sct	Scattered
sh	Shale
shly	Shaley
sil	Silica(iceous)
slty	Silty
sltst	Siltstone
sl	Slight(ly)
srt	Sorted(ing)
sb	Sub
suc	Sucrosic
S	Sulfur(ous)
tex	Texture
tr	Trace
transl	Translucent
Transp	Transparent
trip	Tripolitic
uncons	Unconsolidated
up	Upper
vert	Vertical
vis	Visible
v	Very
vit	Vitreous
vug	Vug(gy)
wxy	Waxey
w/	With
w/o	With Out
wh	White
wk	Weak
yel	Yellow
zn	Zone

DST Reports

RAOC 10-22 State

P/N 896

WELL TEST REPORT

COMPANY NAME	: RIDGEWAY ARIZONA
FIELD	: WILDCAT
WELL NAME	: STATE 10 - 22
LOCATION	: 22 10N 30E
DST NUMBER	: 1.0
TEST INTERVAL	: 1428 - 1490 (62')
GAUGE DEPTH	: 1405 feet
GAUGE MODEL	: 257S
GAUGE S/N	: 4001.0
TEST TYPE	: BOTTOM HOLE CONV.
COMMENTS	:

P/N 896

TECHNICIAN	: LEROY RUSHING
REPORT DATE	: 31-Mar-97

The reports and plots contained here-in are a true and accurate representation of the input data. However, all interpretations are opinions based on analytical techniques described in the literature and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willfull negligence on out part, be liable or responsible for any loss, cost, damages, or expenses incurred or sustained by anyone resulting from any interpreations made by one of our officers, agents, or employees.

--- BAKER OIL TOOLS ---

Post Office Box 718
Farmington, New Mexico 87499
1732 East Main Street
Farmington, New Mexico 87401
Telephone (505) 325-0216

OPERATOR:	RIDGEWAY ARIZONA		
WELL NAME:	STATE 10-22		
CONTRACTOR:	AZTEC #124		
DST NO.:	1	**K. B. ELEVATION:**	6892
SPOT:		**FORMATION:**	FORT APACHE
SECTION:	22		
TOWNSHIP:	10N		
RANGE:	30E		
FIELD:	WILDCAT		
COUNTY:	APACHE		
STATE:	ARIZONA		
FLOW NO. 1:	30 MIN.	**SHUT-IN NO. 1:**	60 MIN.
FLOW NO. 2:	30 MIN.	**SHUT-IN NO. 2:**	60 MIN.
BOTTOM HOLE TEMP:	89		
TOP CHOKE:	BUBBLE HOSE	**BOTTOM CHOKE:**	9/16
HOLE SIZE:	7 7/8	**CASING SIZE & WT.:**	8 5/8 24#
SIZE & WT. D.P.:	4 1/2 XH 16.6#		
I.D. OF D.C.:	2 1/4		
D. C. ABOVE TOOL:	581		
TOTAL DEPTH:	1490		
INTERVAL TESTED:	1428-1490		
TYPE OF TEST:	BOTTOM HOLE CONV.		
MUD WEIGHT:	9	**VISCOSITY:**	42
TOOL OPENED @:	19:45:00		

People and Products Providing Solutions for
Completions, Workovers and Fishing

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OPERATOR: RIDGEWAY ARIZONA
WELL NAME: STATE 10-22
DST NO.: 1
1428-96' (62')

SAMPLE DATA

SAMPLE CHAMBER:

CAPACITY OF SAMPLE CHAMBER.....:	2400 CC
VOLUME OF SAMPLE.....:	2400 CC
PRESSURE IN SAMPLE CHAMBER.....:	24 PSIG
WHERE WAS SAMPLER DRAINED.....:	RIG
SAMPLE CHAMBER CONTAINED.....:	2400 CC WATER CUT MUD

RESISTIVITY DATA:

TOP SAMPLE.....:	.36 @80	15000 PPM
MIDDLE SAMPLE.....:		PPM
BOTTOM SAMPLE.....:	.48 @ 76	12000 PPM
SAMPLER.....:	.44 @70	15000 PPM
MUD PIT SAMPLE.....:	.42 @ 85	12000 PPM
MAKE UP WATER.....:	4.5 @ 60	1400 PPM

DID WELL FLOW GAS TO SURFACE.....	NO
DID WELL FLOW OIL TO SURFACE.....	NO
DID WELL FLOW WATER TO SURFACE..	NO
RECOVERY IN DRILL PIPE:	0.15 Bbl
	30' WATER CUT MUD

BLOW DESCRIPTION:

INITIAL FLOW; TOOL OPENED WITH 1/4" UNDER WATER . STAYED THE SAME FOR F THE REMAINDER OF FLOW

FINAL FLOW; TOOL OPENED WITH 1" UNDER WATER INCREASED TO 4" IN 10 MIN. S STAYED SAME FOR REMAINDER OF FLOW.

REMARKS;

OPERATOR RIDGEWAY ARIZONA
WELL NAMI STATE 10-22
DST NO.: 1

1428-50' (62')

RECORDER DATA

TYPE:	DMR	DMR	
CAPACITY:	5000	5000	
SER. NO.:	4001	4003	
LOCATION:	1405	1439	
HOURS:	16:29:00	16:31:00	
FLOW:	INSIDE	INSIDE	
IH.....	681	707	
FH.....	670	696	
IF - 1.....	22	50	
FF - 1.....	38	66	
IF - 2.....	43	81	
FF - 2.....	48	73	
SIP - 1.....	101	128	
SIP - 2.....	88	112	

GAS RATES

TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/DAY	REMARKS
		NO GTS		

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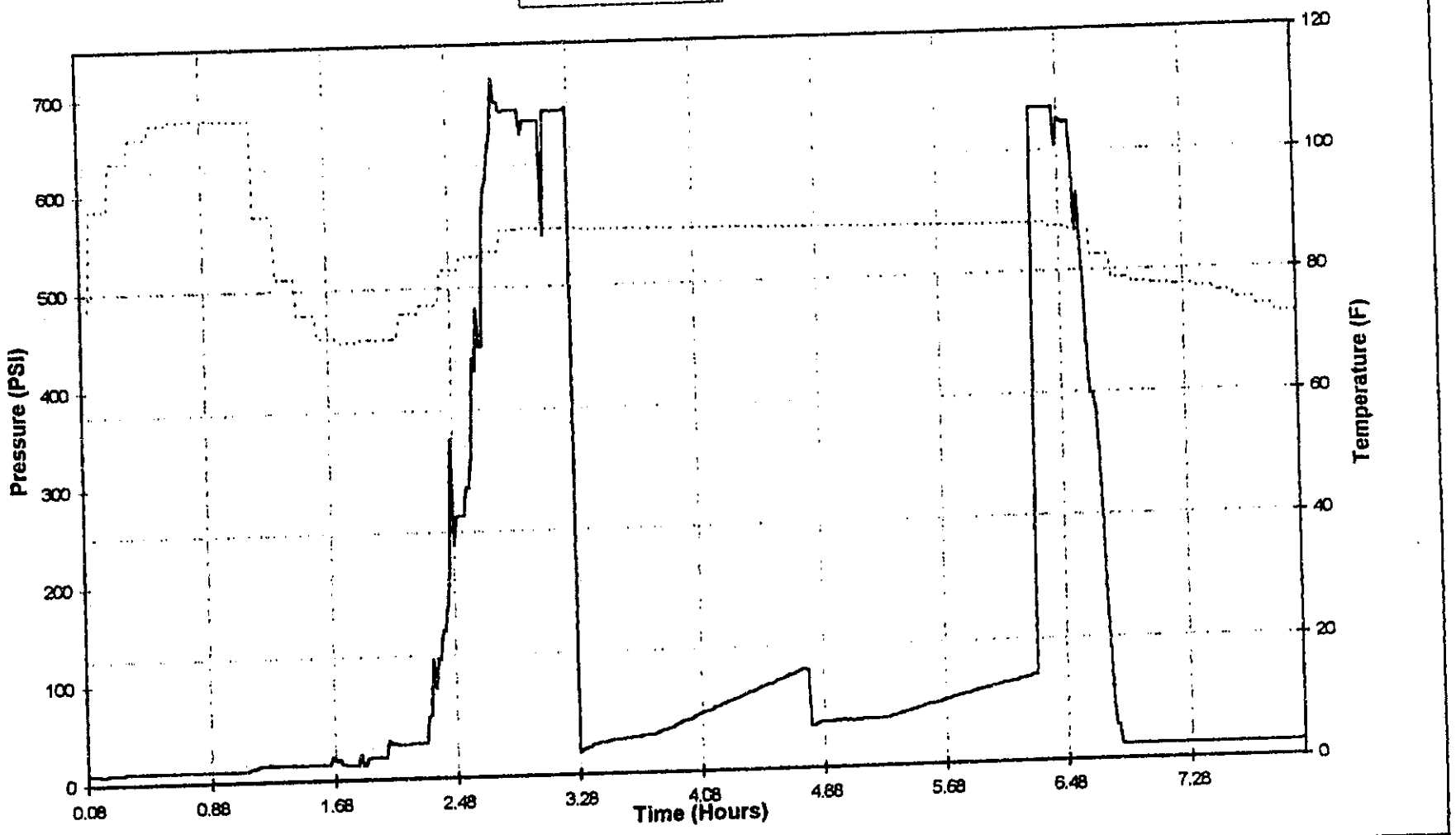
Notes:

DMR Pressure Plot

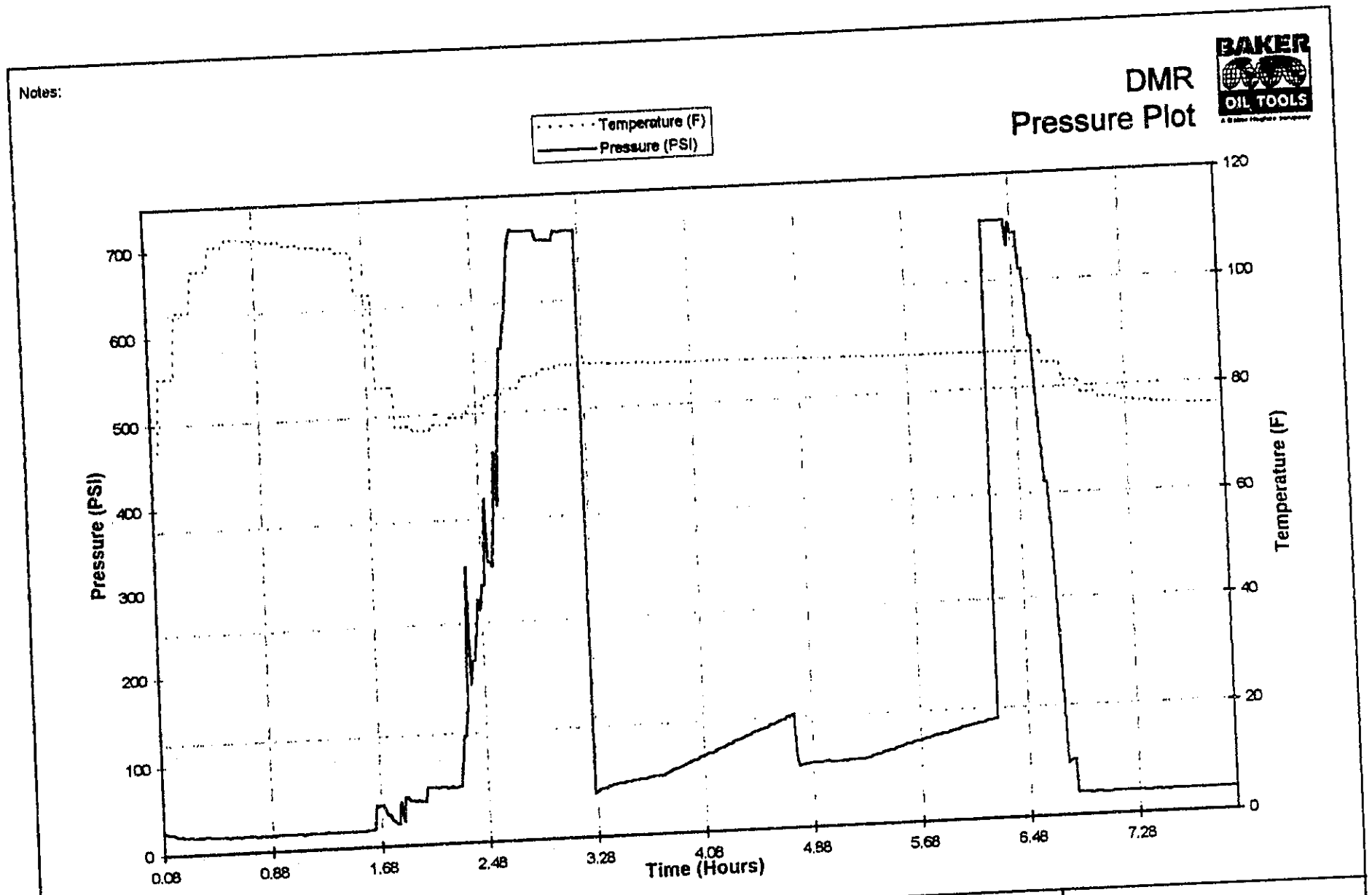
BAKER OIL TOOLS



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/24/97	Gauge Depth: 1405
Well: STATE 10 - 22	Formation: BIG A BUTTE	Start Time: 3/24/97 4:33 PM	Tool Type: 4001
Field: WILDCAT	Test Interval: 1428 - 1490	End Time: 3/25/97 12:29 AM	Technician: LEROY RUSHING

Notes:

DMR Pressure Plot



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/24/97	Gauge Depth: 1439
Well: STATE 10 - 22	Formation: BIG A BUTTE	Start Time: 3/24/97 4:35 PM	Tool Type: 4003
Field: WILDCAT	Test Interval: 1428 - 1490	End Time: 3/25/97 12:30 AM	Technician: LEROY RUSHING

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COMPANY : RIDGEWAY ARIZONA
FIELD : WILDCAT
LOCATION : 22 10N 30E
TEST INT. : 1428 - 1490
WELL NAME : STATE 10 - 22

GAUGE DEPTH : 1405 feet
GAUGE S/N : 4001
START DATE : 3/24/97
START TIME : 16:29:00
DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	16:29:30	0.008	0.0	0.0	77.5	1
1	16:30:30	0.025	13.8	13.8	77.5	2
1	16:31:30	0.042	12.5	-1.3	77.5	3
1	16:32:30	0.058	11.3	-1.3	77.5	4
1	16:33:30	0.075	11.3	0.0	77.5	5
1	16:34:30	0.092	10.0	-1.3	77.5	6
1	16:35:30	0.108	10.0	0.0	77.5	7
1	16:36:30	0.125	10.0	0.0	77.5	8
1	16:37:30	0.142	10.0	0.0	93.7	9
1	16:38:30	0.158	8.8	-1.3	93.7	10
1	16:39:30	0.175	8.8	0.0	93.7	11
1	16:40:30	0.192	8.8	0.0	93.7	12
1	16:41:30	0.208	10.0	1.3	93.7	13
1	16:42:30	0.225	10.0	0.0	93.7	14
1	16:43:30	0.242	10.0	0.0	93.7	15
1	16:44:30	0.258	10.0	0.0	93.7	16
1	16:45:30	0.275	10.0	0.0	101.6	17
1	16:46:30	0.292	10.0	0.0	101.6	18
1	16:47:30	0.308	10.0	0.0	101.6	19
1	16:48:30	0.325	11.3	1.3	101.6	20
1	16:49:30	0.342	11.3	0.0	101.6	21
1	16:50:30	0.358	11.3	0.0	101.6	22
1	16:51:30	0.375	11.3	0.0	101.6	23
1	16:52:30	0.392	11.3	0.0	101.6	24
1	16:53:30	0.408	11.3	0.0	105.6	25
1	16:54:30	0.425	11.3	0.0	105.6	26
1	16:55:30	0.442	11.3	0.0	105.6	27
1	16:56:30	0.458	11.3	0.0	105.6	28
1	16:57:30	0.475	11.3	0.0	105.6	29
1	16:58:30	0.492	11.3	0.0	105.6	30
1	16:59:30	0.508	11.3	0.0	105.6	31
1	17:00:30	0.525	11.3	0.0	105.6	32
1	17:01:30	0.542	11.3	0.0	107.8	33
1	17:02:30	0.558	11.3	0.0	107.8	34
1	17:03:30	0.575	11.3	0.0	107.8	35
1	17:04:30	0.592	11.3	0.0	107.8	36
1	17:05:30	0.608	11.3	0.0	107.8	37
1	17:06:30	0.625	11.3	0.0	107.8	38
1	17:07:30	0.642	11.3	0.0	107.8	39
1	17:08:30	0.658	11.3	0.0	107.8	40
1	17:09:30	0.675	11.3	0.0	108.3	41
1	17:10:30	0.692	11.3	0.0	108.3	42

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	17:11:30	0.708	11.3	0.0	108.3	43
1	17:12:30	0.725	11.3	0.0	108.3	44
1	17:13:30	0.742	11.3	0.0	108.3	45
1	17:14:30	0.758	11.3	0.0	108.3	46
1	17:15:30	0.775	11.3	0.0	108.3	47
1	17:16:30	0.792	11.3	0.0	108.3	48
1	17:17:30	0.808	11.3	0.0	108.4	49
1	17:18:30	0.825	11.3	0.0	108.4	50
1	17:19:30	0.842	11.3	0.0	108.4	51
1	17:20:30	0.858	11.3	0.0	108.4	52
1	17:21:30	0.875	11.3	0.0	108.4	53
1	17:22:30	0.892	11.3	0.0	108.4	54
1	17:23:30	0.908	11.3	0.0	108.4	55
1	17:24:30	0.925	11.3	0.0	108.4	56
1	17:25:30	0.942	11.3	0.0	108.3	57
1	17:26:30	0.958	11.3	0.0	108.3	58
1	17:27:30	0.975	11.3	0.0	108.3	59
1	17:28:30	0.992	11.3	0.0	108.3	60
1	17:29:30	1.008	11.3	0.0	108.3	61
1	17:30:30	1.025	11.3	0.0	108.3	62
1	17:31:30	1.042	11.3	0.0	108.3	63
1	17:32:30	1.058	11.3	0.0	108.3	64
1	17:33:30	1.075	11.3	0.0	108.2	65
1	17:34:30	1.092	11.3	0.0	108.2	66
1	17:35:30	1.108	11.3	0.0	108.2	67
1	17:36:30	1.125	12.5	1.3	108.2	68
1	17:37:30	1.142	13.8	1.3	108.2	69
1	17:38:30	1.158	13.8	0.0	108.2	70
1	17:39:30	1.175	15.0	1.3	108.2	71
1	17:40:30	1.192	16.3	1.3	108.2	72
1	17:41:30	1.208	16.3	0.0	92.1	73
1	17:42:30	1.225	16.3	0.0	92.1	74
1	17:43:30	1.242	16.3	0.0	92.1	75
1	17:44:30	1.258	17.5	1.3	92.1	76
1	17:45:30	1.275	16.3	-1.3	92.1	77
1	17:46:30	1.292	16.3	0.0	92.1	78
1	17:47:30	1.308	16.3	0.0	92.1	79
1	17:48:30	1.325	16.3	0.0	92.1	80
1	17:49:30	1.342	16.3	0.0	81.9	81
1	17:50:30	1.358	16.3	0.0	81.9	82
1	17:51:30	1.375	16.3	0.0	81.9	83
1	17:52:30	1.392	16.3	0.0	81.9	84
1	17:53:30	1.408	16.3	0.0	81.9	85
1	17:54:30	1.425	16.3	0.0	81.9	86
1	17:55:30	1.442	16.3	0.0	81.9	87
1	17:56:30	1.458	16.3	0.0	81.9	88

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	17:57:30	1.475	16.3	0.0	75.9	89
1	17:58:30	1.492	16.3	0.0	75.9	90
1	17:59:30	1.508	16.3	0.0	75.9	91
1	18:00:30	1.525	16.3	0.0	75.9	92
1	18:01:30	1.542	16.3	0.0	75.9	93
1	18:02:30	1.558	16.3	0.0	75.9	94
1	18:03:30	1.575	16.3	0.0	75.9	95
1	18:04:30	1.592	16.3	0.0	75.9	96
1	18:05:30	1.608	16.3	0.0	71.9	97
1	18:06:30	1.625	16.3	0.0	71.9	98
1	18:07:30	1.642	16.3	0.0	71.9	99
1	18:08:30	1.658	23.8	7.5	71.9	100
1	18:09:30	1.675	21.3	-2.5	71.9	101
1	18:10:30	1.692	20.0	-1.3	71.9	102
1	18:11:30	1.708	21.3	1.3	71.9	103
1	18:12:30	1.725	16.3	-5.0	71.9	104
1	18:13:30	1.742	16.3	0.0	71.3	105
1	18:14:30	1.758	15.0	-1.3	71.3	106
1	18:15:30	1.775	15.0	0.0	71.3	107
1	18:16:30	1.792	15.0	0.0	71.3	108
1	18:17:30	1.808	15.0	0.0	71.3	109
1	18:18:30	1.825	15.0	0.0	71.3	110
1	18:19:30	1.842	25.0	10.0	71.3	111
1	18:20:30	1.858	15.0	-10.0	71.3	112
1	18:21:30	1.875	15.0	0.0	71.6	113
1	18:22:30	1.892	21.3	6.3	71.6	114
1	18:23:30	1.908	22.5	1.3	71.6	115
1	18:24:30	1.925	22.5	0.0	71.6	116
1	18:25:30	1.942	22.5	0.0	71.6	117
1	18:26:30	1.958	22.5	0.0	71.6	118
1	18:27:30	1.975	22.5	0.0	71.6	119
1	18:28:30	1.992	22.5	0.0	71.6	120
1	18:29:30	2.008	22.5	0.0	71.8	121
1	18:30:30	2.025	38.8	16.3	71.8	122
1	18:31:30	2.042	36.3	-2.5	71.8	123
1	18:32:30	2.058	36.3	0.0	71.8	124
1	18:33:30	2.075	36.3	0.0	71.8	125
1	18:34:30	2.092	35.0	-1.3	71.8	126
1	18:35:30	2.108	35.0	0.0	71.8	127
1	18:36:30	2.125	35.0	0.0	71.8	128
1	18:37:30	2.142	35.0	0.0	75.8	129
1	18:38:30	2.158	35.0	0.0	75.8	130
1	18:39:30	2.175	36.3	1.3	75.8	131
1	18:40:30	2.192	36.3	0.0	75.8	132
1	18:41:30	2.208	36.3	0.0	75.8	133
1	18:42:30	2.225	36.3	0.0	75.8	134

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	18:43:30	2.242	36.3	0.0	75.8	135
1	18:44:30	2.258	36.3	0.0	75.8	136
1	18:45:30	2.275	36.3	0.0	77.1	137
1	18:46:30	2.292	62.5	26.3	77.1	138
1	18:47:30	2.308	65.0	2.5	77.1	139
1	18:48:30	2.325	121.3	56.3	77.1	140
1	18:49:30	2.342	92.5	-28.8	77.1	141
1	18:50:30	2.358	122.5	30.0	77.1	142
1	18:51:30	2.375	121.3	-1.3	77.1	143
1	18:52:30	2.392	151.3	30.0	77.1	144
1	18:53:30	2.408	151.3	0.0	82.9	145
1	18:54:30	2.425	180.0	28.8	82.9	146
1	18:55:30	2.442	208.8	28.8	82.9	147
1	18:56:30	2.458	345.0	136.3	82.9	148
1	18:57:30	2.475	237.5	-107.5	82.9	149
1	18:58:30	2.492	266.3	28.8	82.9	150
1	18:59:30	2.508	267.5	1.3	82.9	151
1	19:00:30	2.525	267.5	0.0	82.9	152
1	19:01:30	2.542	267.5	0.0	84.9	153
1	19:02:30	2.558	296.3	28.8	84.9	154
1	19:03:30	2.575	296.3	0.0	84.9	155
1	19:04:30	2.592	326.3	30.0	84.9	156
1	19:05:30	2.608	427.5	101.3	84.9	157
1	19:06:30	2.625	415.0	-12.5	84.9	158
1	19:07:30	2.642	477.5	62.5	84.9	159
1	19:08:30	2.658	440.0	-37.5	84.9	160
1	19:09:30	2.675	440.0	0.0	85.7	161
1	19:10:30	2.692	565.0	125.0	85.7	162
1	19:11:30	2.708	601.3	36.3	85.7	163
1	19:12:30	2.725	612.5	11.3	85.7	164
1	19:13:30	2.742	643.8	31.3	85.7	165
1	19:14:30	2.758	658.8	15.0	85.7	166
1	19:15:30	2.775	715.0	56.3	85.7	167
1	19:16:30	2.792	691.3	-23.8	85.7	168
1	19:17:30	2.808	691.3	0.0	89.1	169
1	19:18:30	2.825	681.3	-10.0	89.1	170
1	19:19:30	2.842	681.3	0.0	89.1	171
1	19:20:30	2.858	682.5	1.3	89.1	172
1	19:21:30	2.875	682.5	0.0	89.1	173
1	19:22:30	2.892	682.5	0.0	89.1	174
1	19:23:30	2.908	682.5	0.0	89.1	175
1	19:24:30	2.925	682.5	0.0	89.1	176
1	19:25:30	2.942	682.5	0.0	89.3	177
1	19:26:30	2.958	657.5	-25.0	89.3	178
1	19:27:30	2.975	671.3	13.8	89.3	179
1	19:28:30	2.992	671.3	0.0	89.3	180

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	19:29:30	3.008	671.3	0.0	89.3	181
1	19:30:30	3.025	671.3	0.0	89.3	182
1	19:31:30	3.042	671.3	0.0	89.3	183
1	19:32:30	3.058	671.3	0.0	89.3	184
1	19:33:30	3.075	671.3	0.0	89.2	185
1	19:34:30	3.092	551.3	-120.0	89.2	186
1	19:35:30	3.108	680.0	128.8	89.2	187
1	19:36:30	3.125	681.3	1.3	89.2	188
1	19:37:30	3.142	681.3	0.0	89.2	189
1	19:38:30	3.158	681.3	0.0	89.2	190
1	19:39:30	3.175	681.3	0.0	89.2	191
1	19:40:30	3.192	681.3	0.0	89.2	192
1	19:41:30	3.208	681.3	0.0	89.2	193
1	19:42:30	3.225	681.3	0.0	89.2	194
1	19:43:30	3.242	681.3	0.0	89.2	195
1	19:44:30	3.258	683.8	2.5	89.2	196
1	19:45:30	3.275	22.5	-661.3	89.2	197
1	19:46:30	3.292	25.0	2.5	89.2	198
1	19:47:30	3.308	26.3	1.3	89.2	199
1	19:48:30	3.325	27.5	1.3	89.2	200
1	19:49:30	3.342	27.5	0.0	89.0	201
1	19:50:30	3.358	30.0	2.5	89.0	202
1	19:51:30	3.375	31.3	1.3	89.0	203
1	19:52:30	3.392	31.3	0.0	89.0	204
1	19:53:30	3.408	32.5	1.3	89.0	205
1	19:54:30	3.425	32.5	0.0	89.0	206
1	19:55:30	3.442	32.5	0.0	89.0	207
1	19:56:30	3.458	33.8	1.3	89.0	208
1	19:57:30	3.475	33.8	0.0	88.9	209
1	19:58:30	3.492	35.0	1.3	88.9	210
1	19:59:30	3.508	35.0	0.0	88.9	211
1	20:00:30	3.525	35.0	0.0	88.9	212
1	20:01:30	3.542	35.0	0.0	88.9	213
1	20:02:30	3.558	35.0	0.0	88.9	214
1	20:03:30	3.575	36.3	1.3	88.9	215
1	20:04:30	3.592	36.3	0.0	88.9	216
1	20:05:30	3.608	36.3	0.0	88.9	217
1	20:06:30	3.625	37.5	1.3	88.9	218
1	20:07:30	3.642	37.5	0.0	88.9	219
1	20:08:30	3.658	37.5	0.0	88.9	220
1	20:09:30	3.675	37.5	0.0	88.9	221
1	20:10:30	3.692	38.8	1.3	88.9	222
1	20:11:30	3.708	38.8	0.0	88.9	223
1	20:12:30	3.725	38.8	0.0	88.9	224
1	20:13:30	3.742	38.8	0.0	88.9	225
1	20:14:30	3.758	38.8	0.0	88.9	226

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	20:15:30	3.775	40.0	1.3	88.9	227
1	20:16:30	3.792	41.3	1.3	88.9	228
1	20:17:30	3.808	42.5	1.3	88.9	229
1	20:18:30	3.825	43.8	1.3	88.9	230
1	20:19:30	3.842	43.8	0.0	88.9	231
1	20:20:30	3.858	45.0	1.3	88.9	232
1	20:21:30	3.875	45.0	0.0	88.8	233
1	20:22:30	3.892	47.5	2.5	88.8	234
1	20:23:30	3.908	48.8	1.3	88.8	235
1	20:24:30	3.925	50.0	1.3	88.8	236
1	20:25:30	3.942	51.3	1.3	88.8	237
1	20:26:30	3.958	52.5	1.3	88.8	238
1	20:27:30	3.975	52.5	0.0	88.8	239
1	20:28:30	3.992	53.8	1.3	88.8	240
1	20:29:30	4.008	53.8	0.0	88.8	241
1	20:30:30	4.025	56.3	2.5	88.8	242
1	20:31:30	4.042	57.5	1.3	88.8	243
1	20:32:30	4.058	58.8	1.3	88.8	244
1	20:33:30	4.075	60.0	1.3	88.8	245
1	20:34:30	4.092	61.3	1.3	88.8	246
1	20:35:30	4.108	61.3	0.0	88.8	247
1	20:36:30	4.125	62.5	1.3	88.8	248
1	20:37:30	4.142	62.5	0.0	88.7	249
1	20:38:30	4.158	65.0	2.5	88.7	250
1	20:39:30	4.175	66.3	1.3	88.7	251
1	20:40:30	4.192	66.3	0.0	88.7	252
1	20:41:30	4.208	68.8	2.5	88.7	253
1	20:42:30	4.225	68.8	0.0	88.7	254
1	20:43:30	4.242	70.0	1.3	88.7	255
1	20:44:30	4.258	71.3	1.3	88.7	256
1	20:45:30	4.275	71.3	0.0	88.7	257
1	20:46:30	4.292	73.8	2.5	88.7	258
1	20:47:30	4.308	73.8	0.0	88.7	259
1	20:48:30	4.325	75.0	1.3	88.7	260
1	20:49:30	4.342	76.3	1.3	88.7	261
1	20:50:30	4.358	77.5	1.3	88.7	262
1	20:51:30	4.375	78.8	1.3	88.7	263
1	20:52:30	4.392	80.0	1.3	88.7	264
1	20:53:30	4.408	80.0	0.0	88.6	265
1	20:54:30	4.425	81.3	1.3	88.6	266
1	20:55:30	4.442	82.5	1.3	88.6	267
1	20:56:30	4.458	83.8	1.3	88.6	268
1	20:57:30	4.475	85.0	1.3	88.6	269
1	20:58:30	4.492	85.0	0.0	88.6	270
1	20:59:30	4.508	87.5	2.5	88.6	271
1	21:00:30	4.525	87.5	0.0	88.6	272

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	21:01:30	4.542	87.5	0.0	88.6	273
1	21:02:30	4.558	90.0	2.5	88.6	274
1	21:03:30	4.575	91.3	1.3	88.6	275
1	21:04:30	4.592	91.3	0.0	88.6	276
1	21:05:30	4.608	92.5	1.3	88.6	277
1	21:06:30	4.625	93.8	1.3	88.6	278
1	21:07:30	4.642	95.0	1.3	88.6	279
1	21:08:30	4.658	96.3	1.3	88.6	280
1	21:09:30	4.675	96.3	0.0	88.5	281
1	21:10:30	4.692	97.5	1.3	88.5	282
1	21:11:30	4.708	98.8	1.3	88.5	283
1	21:12:30	4.725	100.0	1.3	88.5	284
1	21:13:30	4.742	101.3	1.3	88.5	285
1	21:14:30	4.758	101.3	0.0	88.5	286
1	21:15:30	4.775	100.0	-1.3	88.5	287
1	21:16:30	4.792	43.8	-56.3	88.5	288
1	21:17:30	4.808	43.8	0.0	88.4	289
1	21:18:30	4.825	45.0	1.3	88.4	290
1	21:19:30	4.842	46.3	1.3	88.4	291
1	21:20:30	4.858	47.5	1.3	88.4	292
1	21:21:30	4.875	47.5	0.0	88.4	293
1	21:22:30	4.892	47.5	0.0	88.4	294
1	21:23:30	4.908	47.5	0.0	88.4	295
1	21:24:30	4.925	47.5	0.0	88.4	296
1	21:25:30	4.942	47.5	0.0	88.4	297
1	21:26:30	4.958	48.8	1.3	88.4	298
1	21:27:30	4.975	47.5	-1.3	88.4	299
1	21:28:30	4.992	48.8	1.3	88.4	300
1	21:29:30	5.008	48.8	0.0	88.4	301
1	21:30:30	5.025	47.5	-1.3	88.4	302
1	21:31:30	5.042	48.8	1.3	88.4	303
1	21:32:30	5.058	47.5	-1.3	88.4	304
1	21:33:30	5.075	47.5	0.0	88.3	305
1	21:34:30	5.092	48.8	1.3	88.3	306
1	21:35:30	5.108	47.5	-1.3	88.3	307
1	21:36:30	5.125	48.8	1.3	88.3	308
1	21:37:30	5.142	48.8	0.0	88.3	309
1	21:38:30	5.158	48.8	0.0	88.3	310
1	21:39:30	5.175	48.8	0.0	88.3	311
1	21:40:30	5.192	48.8	0.0	88.3	312
1	21:41:30	5.208	48.8	0.0	88.3	313
1	21:42:30	5.225	48.8	0.0	88.3	314
1	21:43:30	5.242	48.8	0.0	88.3	315
1	21:44:30	5.258	48.8	0.0	88.3	316
1	21:45:30	5.275	48.8	0.0	88.3	317
1	21:46:30	5.292	48.8	0.0	88.3	318

896

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	21:47:30	5.308	50.0	1.3	88.3	319
1	21:48:30	5.325	51.3	1.3	88.3	320
1	21:49:30	5.342	51.3	0.0	88.2	321
1	21:50:30	5.358	52.5	1.3	88.2	322
1	21:51:30	5.375	53.8	1.3	88.2	323
1	21:52:30	5.392	53.8	0.0	88.2	324
1	21:53:30	5.408	55.0	1.3	88.2	325
1	21:54:30	5.425	55.0	0.0	88.2	326
1	21:55:30	5.442	56.3	1.3	88.2	327
1	21:56:30	5.458	57.5	1.3	88.2	328
1	21:57:30	5.475	57.5	0.0	88.2	329
1	21:58:30	5.492	58.8	1.3	88.2	330
1	21:59:30	5.508	58.8	0.0	88.2	331
1	22:00:30	5.525	60.0	1.3	88.2	332
1	22:01:30	5.542	61.3	1.3	88.2	333
1	22:02:30	5.558	61.3	0.0	88.2	334
1	22:03:30	5.575	62.5	1.3	88.2	335
1	22:04:30	5.592	62.5	0.0	88.2	336
1	22:05:30	5.608	62.5	0.0	88.1	337
1	22:06:30	5.625	63.8	1.3	88.1	338
1	22:07:30	5.642	63.8	0.0	88.1	339
1	22:08:30	5.658	65.0	1.3	88.1	340
1	22:09:30	5.675	66.3	1.3	88.1	341
1	22:10:30	5.692	66.3	0.0	88.1	342
1	22:11:30	5.708	67.5	1.3	88.1	343
1	22:12:30	5.725	68.8	1.3	88.1	344
1	22:13:30	5.742	68.8	0.0	88.1	345
1	22:14:30	5.758	70.0	1.3	88.1	346
1	22:15:30	5.775	70.0	0.0	88.1	347
1	22:16:30	5.792	71.3	1.3	88.1	348
1	22:17:30	5.808	71.3	0.0	88.1	349
1	22:18:30	5.825	71.3	0.0	88.1	350
1	22:19:30	5.842	72.5	1.3	88.1	351
1	22:20:30	5.858	73.8	1.3	88.1	352
1	22:21:30	5.875	73.8	0.0	88.0	353
1	22:22:30	5.892	75.0	1.3	88.0	354
1	22:23:30	5.908	75.0	0.0	88.0	355
1	22:24:30	5.925	76.3	1.3	88.0	356
1	22:25:30	5.942	76.3	0.0	88.0	357
1	22:26:30	5.958	77.5	1.3	88.0	358
1	22:27:30	5.975	77.5	0.0	88.0	359
1	22:28:30	5.992	78.8	1.3	88.0	360
1	22:29:30	6.008	78.8	0.0	88.0	361
1	22:30:30	6.025	80.0	1.3	88.0	362
1	22:31:30	6.042	80.0	0.0	88.0	363
1	22:32:30	6.058	81.3	1.3	88.0	364

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	22:33:30	6.075	81.3	0.0	88.0	365
1	22:34:30	6.092	81.3	0.0	88.0	366
1	22:35:30	6.108	82.5	1.3	88.0	367
1	22:36:30	6.125	82.5	0.0	88.0	368
1	22:37:30	6.142	82.5	0.0	87.9	369
1	22:38:30	6.158	85.0	2.5	87.9	370
1	22:39:30	6.175	85.0	0.0	87.9	371
1	22:40:30	6.192	85.0	0.0	87.9	372
1	22:41:30	6.208	86.3	1.3	87.9	373
1	22:42:30	6.225	86.3	0.0	87.9	374
1	22:43:30	6.242	87.5	1.3	87.9	375
1	22:44:30	6.258	88.8	1.3	87.9	376
1	22:45:30	6.275	88.8	0.0	88.0	377
1	22:46:30	6.292	670.0	581.3	88.0	378
1	22:47:30	6.308	670.0	0.0	88.0	379
1	22:48:30	6.325	670.0	0.0	88.0	380
1	22:49:30	6.342	670.0	0.0	88.0	381
1	22:50:30	6.358	670.0	0.0	88.0	382
1	22:51:30	6.375	670.0	0.0	88.0	383
1	22:52:30	6.392	670.0	0.0	88.0	384
1	22:53:30	6.408	670.0	0.0	87.3	385
1	22:54:30	6.425	670.0	0.0	87.3	386
1	22:55:30	6.442	670.0	0.0	87.3	387
1	22:56:30	6.458	630.0	-40.0	87.3	388
1	22:57:30	6.475	658.8	28.8	87.3	389
1	22:58:30	6.492	656.3	-2.5	87.3	390
1	22:59:30	6.508	653.8	-2.5	87.3	391
1	23:00:30	6.525	655.0	1.3	87.3	392
1	23:01:30	6.542	655.0	0.0	86.8	393
1	23:02:30	6.558	618.8	-36.3	86.8	394
1	23:03:30	6.575	541.3	-77.5	86.8	395
1	23:04:30	6.592	580.0	38.8	86.8	396
1	23:05:30	6.608	532.5	-47.5	86.8	397
1	23:06:30	6.625	487.5	-45.0	86.8	398
1	23:07:30	6.642	417.5	-70.0	86.8	399
1	23:08:30	6.658	373.8	-43.8	86.8	400
1	23:09:30	6.675	373.8	0.0	82.4	401
1	23:10:30	6.692	357.5	-16.3	82.4	402
1	23:11:30	6.708	312.5	-45.0	82.4	403
1	23:12:30	6.725	247.5	-65.0	82.4	404
1	23:13:30	6.742	166.3	-81.3	82.4	405
1	23:14:30	6.758	113.8	-52.5	82.4	406
1	23:15:30	6.775	56.3	-57.5	82.4	407
1	23:16:30	6.792	35.0	-21.3	82.4	408
1	23:17:30	6.808	35.0	0.0	78.7	409
1	23:18:30	6.825	16.3	-18.8	78.7	410

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	23:19:30	6.842	15.0	-1.3	78.7	411
1	23:20:30	6.858	15.0	0.0	78.7	412
1	23:21:30	6.875	15.0	0.0	78.7	413
1	23:22:30	6.892	15.0	0.0	78.7	414
1	23:23:30	6.908	15.0	0.0	78.7	415
1	23:24:30	6.925	15.0	0.0	78.7	416
1	23:25:30	6.942	15.0	0.0	77.9	417
1	23:26:30	6.958	15.0	0.0	77.9	418
1	23:27:30	6.975	15.0	0.0	77.9	419
1	23:28:30	6.992	15.0	0.0	77.9	420
1	23:29:30	7.008	15.0	0.0	77.9	421
1	23:30:30	7.025	15.0	0.0	77.9	422
1	23:31:30	7.042	15.0	0.0	77.9	423
1	23:32:30	7.058	15.0	0.0	77.9	424
1	23:33:30	7.075	15.0	0.0	77.6	425
1	23:34:30	7.092	15.0	0.0	77.6	426
1	23:35:30	7.108	15.0	0.0	77.6	427
1	23:36:30	7.125	15.0	0.0	77.6	428
1	23:37:30	7.142	15.0	0.0	77.6	429
1	23:38:30	7.158	15.0	0.0	77.6	430
1	23:39:30	7.175	15.0	0.0	77.6	431
1	23:40:30	7.192	15.0	0.0	77.6	432
1	23:41:30	7.208	15.0	0.0	77.4	433
1	23:42:30	7.225	15.0	0.0	77.4	434
1	23:43:30	7.242	15.0	0.0	77.4	435
1	23:44:30	7.258	15.0	0.0	77.4	436
1	23:45:30	7.275	15.0	0.0	77.4	437
1	23:46:30	7.292	15.0	0.0	77.4	438
1	23:47:30	7.308	15.0	0.0	77.4	439
1	23:48:30	7.325	15.0	0.0	77.4	440
1	23:49:30	7.342	15.0	0.0	76.9	441
1	23:50:30	7.358	15.0	0.0	76.9	442
1	23:51:30	7.375	15.0	0.0	76.9	443
1	23:52:30	7.392	15.0	0.0	76.9	444
1	23:53:30	7.408	15.0	0.0	76.9	445
1	23:54:30	7.425	15.0	0.0	76.9	446
1	23:55:30	7.442	15.0	0.0	76.9	447
1	23:56:30	7.458	15.0	0.0	76.9	448
1	23:57:30	7.475	15.0	0.0	76.1	449
1	23:58:30	7.492	15.0	0.0	76.1	450
1	23:59:30	7.508	15.0	0.0	76.1	451
2	0:00:30	7.525	15.0	0.0	76.1	452
2	0:01:30	7.542	15.0	0.0	76.1	453
2	0:02:30	7.558	15.0	0.0	76.1	454
2	0:03:30	7.575	15.0	0.0	76.1	455
2	0:04:30	7.592	15.0	0.0	76.1	456

WELL NAME : STATE 10 - 22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	0:05:30	7.608	15.0	0.0	74.9	457
2	0:06:30	7.625	15.0	0.0	74.9	458
2	0:07:30	7.642	15.0	0.0	74.9	459
2	0:08:30	7.658	15.0	0.0	74.9	460
2	0:09:30	7.675	15.0	0.0	74.9	461
2	0:10:30	7.692	15.0	0.0	74.9	462
2	0:11:30	7.708	15.0	0.0	74.9	463
2	0:12:30	7.725	15.0	0.0	74.9	464
2	0:13:30	7.742	15.0	0.0	73.6	465
2	0:14:30	7.758	15.0	0.0	73.6	466
2	0:15:30	7.775	15.0	0.0	73.6	467
2	0:16:30	7.792	15.0	0.0	73.6	468
2	0:17:30	7.808	15.0	0.0	73.6	469
2	0:18:30	7.825	15.0	0.0	73.6	470
2	0:19:30	7.842	15.0	0.0	73.6	471
2	0:20:30	7.858	15.0	0.0	73.6	472
2	0:21:30	7.875	15.0	0.0	72.4	473
2	0:22:30	7.892	15.0	0.0	72.4	474
2	0:23:30	7.908	15.0	0.0	72.4	475
2	0:24:30	7.925	15.0	0.0	72.4	476
2	0:25:30	7.942	15.0	0.0	72.4	477
2	0:26:30	7.958	15.0	0.0	72.4	478
2	0:27:30	7.975	15.0	0.0	72.4	479
2	0:28:30	7.992	16.3	1.3	72.4	480
2	0:29:30	8.008	16.3	0.0	70.5	481
2	0:30:30	8.025	16.3	0.0	70.5	482
2	0:31:30	8.042	16.3	0.0	70.5	483
2	0:32:30	8.058	16.3	0.0	70.5	484
2	0:33:30	8.075	16.3	0.0	70.5	485
2	0:34:30	8.092	16.3	0.0	70.5	486
2	0:35:30	8.108	16.3	0.0	70.5	487
2	0:36:30	8.125	16.3	0.0	70.5	488
1	16:29:00	0.000	0.0	-16.3	0.0	489
1	16:29:00	0.000	0.0	0.0	0.0	490
1	16:29:00	0.000	0.0	0.0	0.0	491
1	16:29:00	0.000	0.0	0.0	0.0	492
1	16:29:00	0.000	0.0	0.0	0.0	493
1	16:29:00	0.000	0.0	0.0	0.0	494
1	16:29:00	0.000	0.0	0.0	0.0	495
1	16:29:00	0.000	0.0	0.0	0.0	496
1	16:29:00	0.000	0.0	0.0	0.0	497
1	16:29:00	0.000	0.0	0.0	0.0	498
1	16:29:00	0.000	0.0	0.0	0.0	499
1	16:29:00	0.000	0.0	0.0	0.0	500
1	16:29:00	0.000	0.0	0.0	0.0	501
1	16:29:00	0.000	0.0	0.0	0.0	502

WELL TEST REPORT

P/N 896

COMPANY NAME	: RIDGEWAY ARIZONA
FIELD	: WILDCAT
WELL NAME	: STATE 10-22
LOCATION	: 22 10N 30E
DST NUMBER	: 2.0
TEST INTERVAL	: 1575-1790 (215')
GAUGE DEPTH	: 1550 feet
GAUGE MODEL	: 257S
GAUGE S/N	: 4001.0
TEST TYPE	: DOWN HOLE CONV.
COMMENTS	:

AUG 1997
ARIZONA GEOLOGICAL SURVEY

TECHNICIAN	: LEROY RUSHING
REPORT DATE	: 31-Mar-97

The reports and plots contained here-in are a true and accurate representation of the input data. However, all interpretations are opinions based on analytical techniques described in the literature and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willfull negligence on out part, be liable or responsible for any loss, cost, damages, or expenses incurred or sustained by anyone resulting from any interpreations made by one of our officers, agents, or employees.

— BAKER OIL TOOLS —

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Post Office Box 718
Farmington, New Mexico 87499
1732 East Main Street
Farmington, New Mexico 87401
Telephone (505) 325-0216

OPERATOR:	RIDGEWAY ARIZONA		
WELL NAME:	STATE 10-22		
CONTRACTOR:	AZTEC #124		
DST NO.:	2	**K. B. ELEVATION:**	6892
SPOT:		**FORMATION:**	BIG A BUTTE
SECTION:	22		
TOWNSHIP:	10N		
RANGE:	30E		
FIELD:	WILDCAT		
COUNTY:	APACHE		
STATE:	ARIZONA		
FLOW NO. 1:	30 MIN.	**SHUT-IN NO. 1:**	60 MIN.
FLOW NO. 2:	30 MIN.	**SHUT-IN NO. 2:**	60 MIN.
BOTTOM HOLE TEMP:	89		
TOP CHOKE:	1/8	**BOTTOM CHOKE:**	9/16
HOLE SIZE:	7 7/8	**CASING SIZE & WT.:**	8 5/8 24#
SIZE & WT. D.P.:	4 1/2 XH 16.6#		
I.D. OF D.C.:	2 1/4		
D. C. ABOVE TOOL:	610		
TOTAL DEPTH:	1790		
INTERVAL TESTED:	1575 - 1790		
TYPE OF TEST:	BOTTOM HOLE CONV.		
MUD WEIGHT:	9	**VISCOSITY:**	42
TOOL OPENED @:	16:16:00		

People and Products Providing Solutions for
Completions, Workovers and Fishing

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OPERATOR: RIDGEWAY ARIZONA
WELL NAME: STATE 10-22
DST NO.: 2
1575-1790' (215')

SAMPLE DATA

SAMPLE CHAMBER:

CAPACITY OF SAMPLE CHAMBER.....:	**2400 CC**
VOLUME OF SAMPLE.....:	**1200 CC**
PRESSURE IN SAMPLE CHAMBER.....:	**350 PSIG**
WHERE WAS SAMPLER DRAINED.....:	RIG
SAMPLE CHAMBER CONTAINED.....:	1200 CC HEAVILY GAS CUT MUD 1.28 CU FT GAS

RESISTIVITY DATA:

TOP SAMPLE.....:	.30 @ 72	**21000 PPM**
MIDDLE SAMPLE.....:	.44 @ 76	**13000 PPM**
BOTTOM SAMPLE.....:	.34 @ 70	**20000 PPM**
SAMPLER.....:	.60 @ 50	**14000 PPM**
MUD PIT SAMPLE.....:	.35 @ 80	**15000 PPM**
MAKE UP WATER.....:	6.0 @ 56	**1100 PPM**

DID WELL FLOW GAS TO SURFACE.....	YES 10 MIN OF INITIAL FLOW
DID WELL FLOW OIL TO SURFACE.....	NO
DID WELL FLOW WATER TO SURFACE..	NO
RECOVERY IN DRILL PIPE:	2.99 **Bbl** 610 HEAVILY GAS CUT MUD

BLOW DESCRIPTION:
INITIAL FLOW; TOOL OPENED WITH A BOTTOM OF THE BUCKET BLOW 14 OZ IN 3 MI N,
75 # ON A 1/4" CHOKE IN 20 MIN., 40 # IN 25 MIN., 35# AT THE END OF THE FLOW

FINAL FLOW; SEE GAS FLOW RATES

REMARKS;

OPERATOR RIDGEWAY ARIZONA
WELL NAME STATE 10-22
DST NO.: 2
1575 - 1790' (215')

RECORDER DATA

TYPE:	DMR	DMR	
CAPACITY:	5000	5000	
SER. NO.:	4001	4003	
LOCATION:	1550	1578	
HOURS:	13:04:00	13:05:00	
FLOW:	INSIDE	INSIDE	
IH.....	767	791	
FH.....	736	760	
IF - 1.....	228	272	
FF - 1.....	355	398	
IF - 2.....	327	317	
FF - 2.....	356	372	
SIP - 1.....	410	416	
SIP - 2.....	411	421	

GAS RATES

TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/DAY	REMARKS
5 MIN	1/8	90 PSIG	44.8	
10 MIN	1/8	130 PSIG	66.2	
20 MIN	1/8	100 PSIG	49.1	
25 MIN	1/8	80 PSIG	40.5	
30 MIN	1/8	90 PSIG	44.8	

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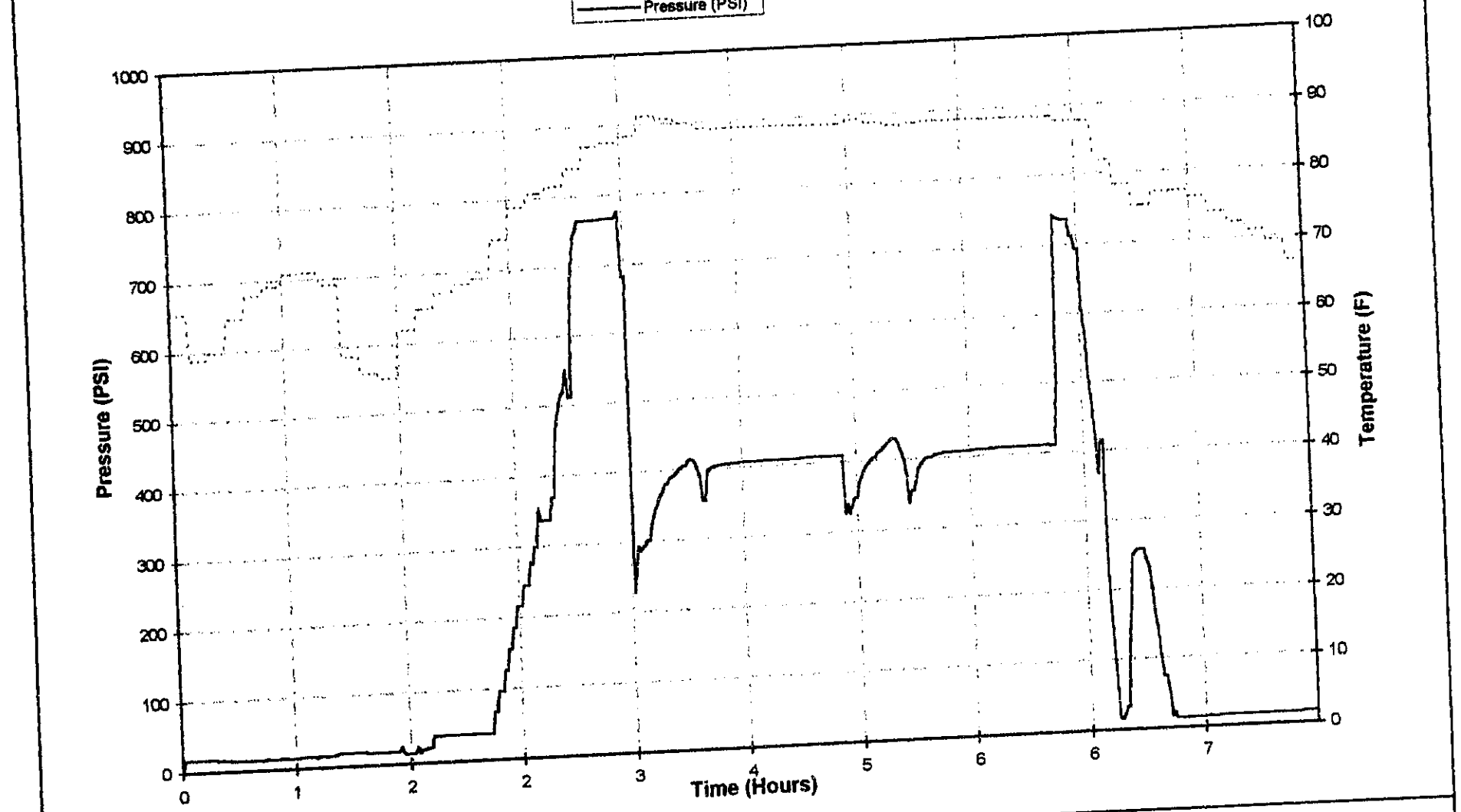
Notes:

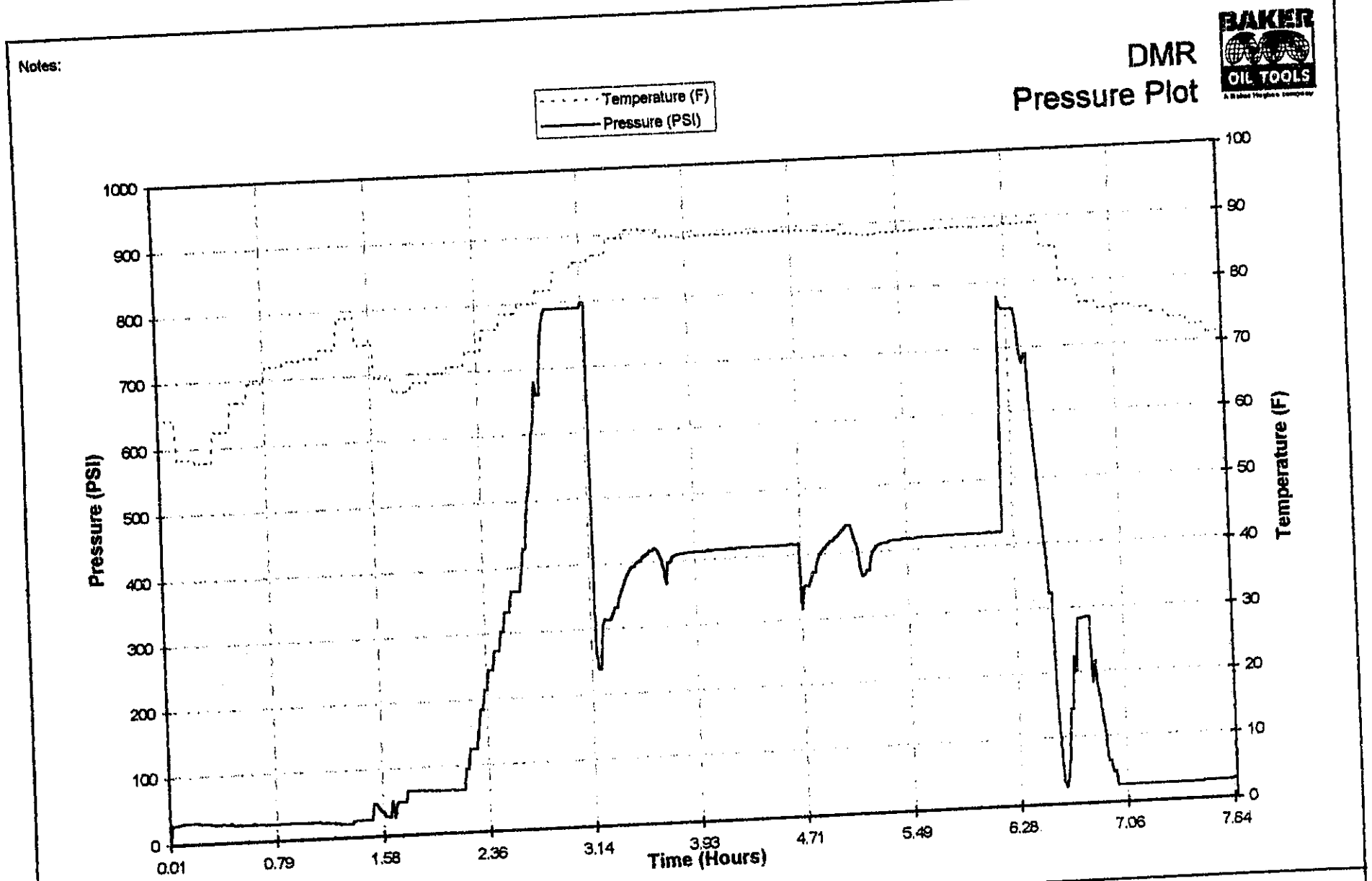
DMR
Pressure Plot



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/25/97	Gauge Depth: 1550
Well: STATE 10-22	Formation: BIG A BUTTE	Start Time: 3/25/97 1:04 PM	Tool Type: 4001
Field: WILDCAT	Test Interval: 1575-1790	End Time: 3/25/97 9:03 PM	Technician: LEROY RUSHING

Notes:

DMR
Pressure Plot

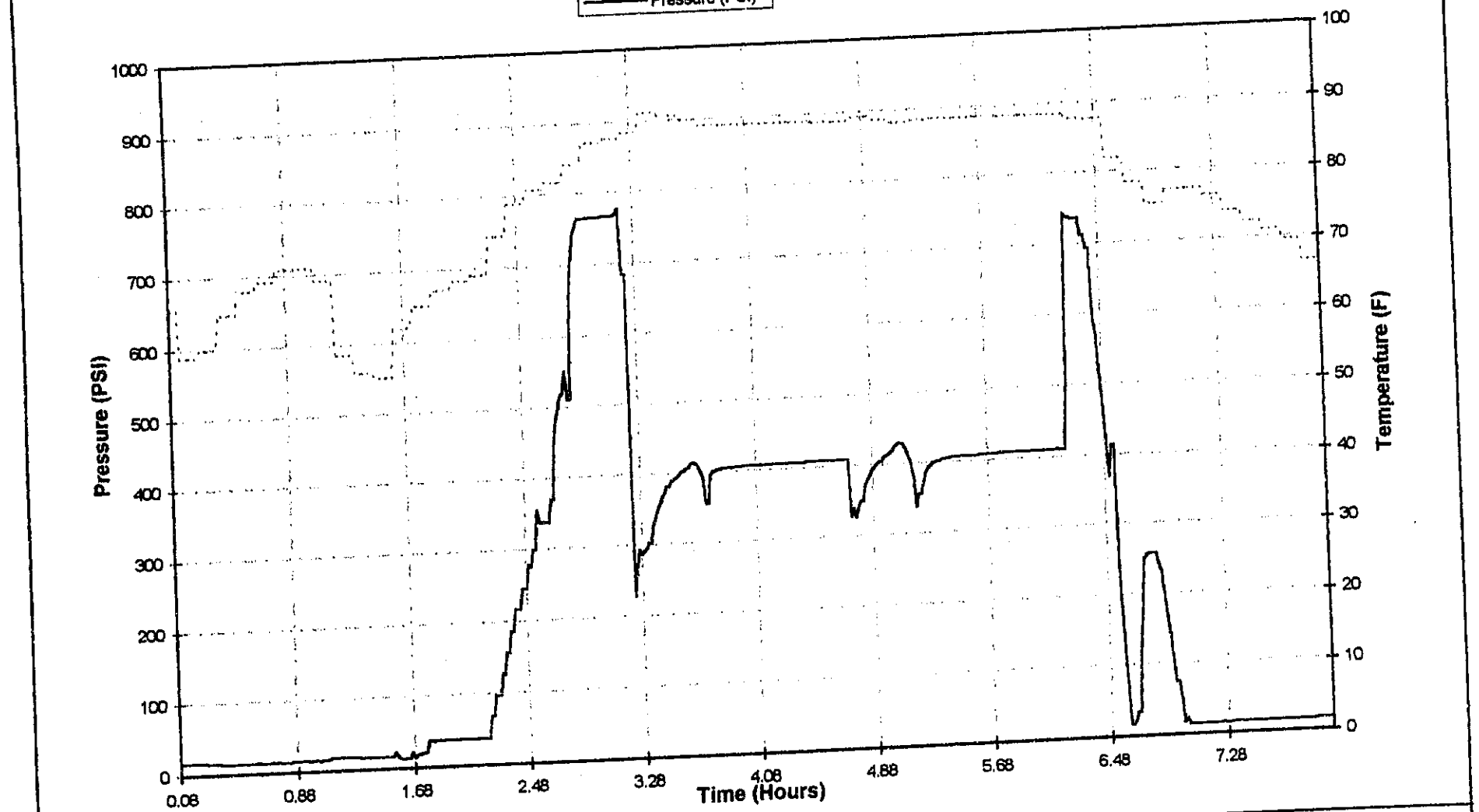


Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/25/97	Gauge Depth: 1578
Well: STATE 10 22	Formation: BIG A BUTTE	Start Time: 3/25/97 1:05 PM	Tool Type: 4003
Field: WILDCAT	Test Interval: 1575 - 1790	End Time: 3/25/97 8:56 PM	Technician: LEROY RUSHING

Notes:

DMR Pressure Plot

BAKER OIL TOOLS
A Baker Hughes company



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/25/97	Gauge Depth: 1550
Well: STATE 10 - 22	Formation: BIG A BUTTE	Start Time: 3/25/97 1:08 PM	Tool Type: 4001
Field: WILDCAT	Test Interval: 1575 - 1790	End Time: 3/25/97 9:03 PM	Technician: LEROY RUSHING

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COMPANY : RIDGEWAY ARIZONA
FIELD : WILDCAT
LOCATION : 22 10N 30E
TEST INT. : 1575-1790
WELL NAME : STATE 10-22

GAUGE DEPTH : 1550 feet
GAUGE S/N : 4001
START DATE : 3/25/97
START TIME : 13:04:00
DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	13:04:30	0.008	0.0	0.0	65.5	1
1	13:05:30	0.025	17.5	17.5	65.5	2
1	13:06:30	0.042	17.5	0.0	65.5	3
1	13:07:30	0.058	17.5	0.0	65.5	4
1	13:08:30	0.075	17.5	0.0	65.5	5
1	13:09:30	0.092	17.5	0.0	65.5	6
1	13:10:30	0.108	17.5	0.0	65.5	7
1	13:11:30	0.125	17.5	0.0	65.5	8
1	13:12:30	0.142	17.5	0.0	58.9	9
1	13:13:30	0.158	17.5	0.0	58.9	10
1	13:14:30	0.175	17.5	0.0	58.9	11
1	13:15:30	0.192	17.5	0.0	58.9	12
1	13:16:30	0.208	17.5	0.0	58.9	13
1	13:17:30	0.225	17.5	0.0	58.9	14
1	13:18:30	0.242	17.5	0.0	58.9	15
1	13:19:30	0.258	16.3	-1.3	58.9	16
1	13:20:30	0.275	16.3	0.0	59.9	17
1	13:21:30	0.292	16.3	0.0	59.9	18
1	13:22:30	0.308	16.3	0.0	59.9	19
1	13:23:30	0.325	16.3	0.0	59.9	20
1	13:24:30	0.342	16.3	0.0	59.9	21
1	13:25:30	0.358	15.0	-1.3	59.9	22
1	13:26:30	0.375	15.0	0.0	59.9	23
1	13:27:30	0.392	15.0	0.0	59.9	24
1	13:28:30	0.408	15.0	0.0	64.7	25
1	13:29:30	0.425	15.0	0.0	64.7	26
1	13:30:30	0.442	15.0	0.0	64.7	27
1	13:31:30	0.458	15.0	0.0	64.7	28
1	13:32:30	0.475	15.0	0.0	64.7	29
1	13:33:30	0.492	15.0	0.0	64.7	30
1	13:34:30	0.508	15.0	0.0	64.7	31
1	13:35:30	0.525	15.0	0.0	64.7	32
1	13:36:30	0.542	15.0	0.0	67.9	33
1	13:37:30	0.558	15.0	0.0	67.9	34
1	13:38:30	0.575	15.0	0.0	67.9	35
1	13:39:30	0.592	15.0	0.0	67.9	36
1	13:40:30	0.608	16.3	1.3	67.9	37
1	13:41:30	0.625	15.0	-1.3	67.9	38
1	13:42:30	0.642	15.0	0.0	67.9	39
1	13:43:30	0.658	15.0	0.0	67.9	40
1	13:44:30	0.675	15.0	0.0	69.2	41
1	13:45:30	0.692	15.0	0.0	69.2	42

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	13:46:30	0.708	16.3	1.3	69.2	43
1	13:47:30	0.725	15.0	-1.3	69.2	44
1	13:48:30	0.742	16.3	1.3	69.2	45
1	13:49:30	0.758	15.0	-1.3	69.2	46
1	13:50:30	0.775	15.0	0.0	69.2	47
1	13:51:30	0.792	15.0	0.0	69.2	48
1	13:52:30	0.808	15.0	0.0	70.9	49
1	13:53:30	0.825	15.0	0.0	70.9	50
1	13:54:30	0.842	16.3	1.3	70.9	51
1	13:55:30	0.858	16.3	0.0	70.9	52
1	13:56:30	0.875	16.3	0.0	70.9	53
1	13:57:30	0.892	16.3	0.0	70.9	54
1	13:58:30	0.908	16.3	0.0	70.9	55
1	13:59:30	0.925	16.3	0.0	70.9	56
1	14:00:30	0.942	16.3	0.0	71.0	57
1	14:01:30	0.958	15.0	-1.3	71.0	58
1	14:02:30	0.975	16.3	1.3	71.0	59
1	14:03:30	0.992	16.3	0.0	71.0	60
1	14:04:30	1.008	16.3	0.0	71.0	61
1	14:05:30	1.025	15.0	-1.3	71.0	62
1	14:06:30	1.042	16.3	1.3	71.0	63
1	14:07:30	1.058	16.3	0.0	71.0	64
1	14:08:30	1.075	16.3	0.0	69.1	65
1	14:09:30	1.092	17.5	1.3	69.1	66
1	14:10:30	1.108	18.8	1.3	69.1	67
1	14:11:30	1.125	18.8	0.0	69.1	68
1	14:12:30	1.142	18.8	0.0	69.1	69
1	14:13:30	1.158	18.8	0.0	69.1	70
1	14:14:30	1.175	18.8	0.0	69.1	71
1	14:15:30	1.192	18.8	0.0	69.1	72
1	14:16:30	1.208	18.8	0.0	58.5	73
1	14:17:30	1.225	18.8	0.0	58.5	74
1	14:18:30	1.242	18.8	0.0	58.5	75
1	14:19:30	1.258	18.8	0.0	58.5	76
1	14:20:30	1.275	18.8	0.0	58.5	77
1	14:21:30	1.292	18.8	0.0	58.5	78
1	14:22:30	1.308	17.5	-1.3	58.5	79
1	14:23:30	1.325	17.5	0.0	58.5	80
1	14:24:30	1.342	17.5	0.0	55.9	81
1	14:25:30	1.358	17.5	0.0	55.9	82
1	14:26:30	1.375	17.5	0.0	55.9	83
1	14:27:30	1.392	17.5	0.0	55.9	84
1	14:28:30	1.408	17.5	0.0	55.9	85
1	14:29:30	1.425	17.5	0.0	55.9	86
1	14:30:30	1.442	17.5	0.0	55.9	87
1	14:31:30	1.458	17.5	0.0	55.9	88

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	14:32:30	1.475	17.5	0.0	55.1	89
1	14:33:30	1.492	17.5	0.0	55.1	90
1	14:34:30	1.508	17.5	0.0	55.1	91
1	14:35:30	1.525	17.5	0.0	55.1	92
1	14:36:30	1.542	23.8	6.3	55.1	93
1	14:37:30	1.558	17.5	-6.3	55.1	94
1	14:38:30	1.575	13.8	-3.8	55.1	95
1	14:39:30	1.592	13.8	0.0	55.1	96
1	14:40:30	1.608	13.8	0.0	62.0	97
1	14:41:30	1.625	15.0	1.3	62.0	98
1	14:42:30	1.642	15.0	0.0	62.0	99
1	14:43:30	1.658	22.5	7.5	62.0	100
1	14:44:30	1.675	15.0	-7.5	62.0	101
1	14:45:30	1.692	18.8	3.8	62.0	102
1	14:46:30	1.708	18.8	0.0	62.0	103
1	14:47:30	1.725	21.3	2.5	62.0	104
1	14:48:30	1.742	21.3	0.0	64.9	105
1	14:49:30	1.758	22.5	1.3	64.9	106
1	14:50:30	1.775	37.5	15.0	64.9	107
1	14:51:30	1.792	37.5	0.0	64.9	108
1	14:52:30	1.808	36.3	-1.3	64.9	109
1	14:53:30	1.825	37.5	1.3	64.9	110
1	14:54:30	1.842	37.5	0.0	64.9	111
1	14:55:30	1.858	37.5	0.0	64.9	112
1	14:56:30	1.875	37.5	0.0	67.1	113
1	14:57:30	1.892	37.5	0.0	67.1	114
1	14:58:30	1.908	37.5	0.0	67.1	115
1	14:59:30	1.925	37.5	0.0	67.1	116
1	15:00:30	1.942	37.5	0.0	67.1	117
1	15:01:30	1.958	37.5	0.0	67.1	118
1	15:02:30	1.975	37.5	0.0	67.1	119
1	15:03:30	1.992	37.5	0.0	67.1	120
1	15:04:30	2.008	37.5	0.0	68.3	121
1	15:05:30	2.025	37.5	0.0	68.3	122
1	15:06:30	2.042	37.5	0.0	68.3	123
1	15:07:30	2.058	37.5	0.0	68.3	124
1	15:08:30	2.075	37.5	0.0	68.3	125
1	15:09:30	2.092	37.5	0.0	68.3	126
1	15:10:30	2.108	37.5	0.0	68.3	127
1	15:11:30	2.125	37.5	0.0	68.3	128
1	15:12:30	2.142	37.5	0.0	69.0	129
1	15:13:30	2.158	37.5	0.0	69.0	130
1	15:14:30	2.175	37.5	0.0	69.0	131
1	15:15:30	2.192	37.5	0.0	69.0	132
1	15:16:30	2.208	68.8	31.3	69.0	133
1	15:17:30	2.225	68.8	0.0	69.0	134

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	15:18:30	2.242	97.5	28.8	69.0	135
1	15:19:30	2.258	97.5	0.0	69.0	136
1	15:20:30	2.275	97.5	0.0	74.4	137
1	15:21:30	2.292	127.5	30.0	74.4	138
1	15:22:30	2.308	126.3	-1.3	74.4	139
1	15:23:30	2.325	156.3	30.0	74.4	140
1	15:24:30	2.342	156.3	0.0	74.4	141
1	15:25:30	2.358	186.3	30.0	74.4	142
1	15:26:30	2.375	186.3	0.0	74.4	143
1	15:27:30	2.392	216.3	30.0	74.4	144
1	15:28:30	2.408	216.3	0.0	78.9	145
1	15:29:30	2.425	216.3	0.0	78.9	146
1	15:30:30	2.442	246.3	30.0	78.9	147
1	15:31:30	2.458	246.3	0.0	78.9	148
1	15:32:30	2.475	246.3	0.0	78.9	149
1	15:33:30	2.492	278.8	32.5	78.9	150
1	15:34:30	2.508	276.3	-2.5	78.9	151
1	15:35:30	2.525	300.0	23.8	78.9	152
1	15:36:30	2.542	300.0	0.0	80.8	153
1	15:37:30	2.558	355.0	55.0	80.8	154
1	15:38:30	2.575	337.5	-17.5	80.8	155
1	15:39:30	2.592	337.5	0.0	80.8	156
1	15:40:30	2.608	337.5	0.0	80.8	157
1	15:41:30	2.625	338.8	1.3	80.8	158
1	15:42:30	2.642	337.5	-1.3	80.8	159
1	15:43:30	2.658	370.0	32.5	80.8	160
1	15:44:30	2.675	370.0	0.0	81.6	161
1	15:45:30	2.692	460.0	90.0	81.6	162
1	15:46:30	2.708	486.3	26.3	81.6	163
1	15:47:30	2.725	502.5	16.3	81.6	164
1	15:48:30	2.742	517.5	15.0	81.6	165
1	15:49:30	2.758	521.3	3.8	81.6	166
1	15:50:30	2.775	551.3	30.0	81.6	167
1	15:51:30	2.792	511.3	-40.0	81.6	168
1	15:52:30	2.808	511.3	0.0	84.1	169
1	15:53:30	2.825	673.8	162.5	84.1	170
1	15:54:30	2.842	711.3	37.5	84.1	171
1	15:55:30	2.858	745.0	33.8	84.1	172
1	15:56:30	2.875	753.8	8.8	84.1	173
1	15:57:30	2.892	765.0	11.3	84.1	174
1	15:58:30	2.908	765.0	0.0	84.1	175
1	15:59:30	2.925	765.0	0.0	84.1	176
1	16:00:30	2.942	765.0	0.0	87.1	177
1	16:01:30	2.958	766.3	1.3	87.1	178
1	16:02:30	2.975	766.3	0.0	87.1	179
1	16:03:30	2.992	766.3	0.0	87.1	180

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	16:04:30	3.008	766.3	0.0	87.1	181
1	16:05:30	3.025	766.3	0.0	87.1	182
1	16:06:30	3.042	766.3	0.0	87.1	183
1	16:07:30	3.058	767.5	1.3	87.1	184
1	16:08:30	3.075	767.5	0.0	87.5	185
1	16:09:30	3.092	767.5	0.0	87.5	186
1	16:10:30	3.108	767.5	0.0	87.5	187
1	16:11:30	3.125	767.5	0.0	87.5	188
1	16:12:30	3.142	767.5	0.0	87.5	189
1	16:13:30	3.158	770.0	2.5	87.5	190
1	16:14:30	3.175	777.5	7.5	87.5	191
1	16:15:30	3.192	685.0	-92.5	87.5	192
1	16:16:30	3.208	685.0	0.0	88.4	193
1	16:17:30	3.225	228.8	-456.3	88.4	194
1	16:18:30	3.242	270.0	41.3	88.4	195
1	16:19:30	3.258	293.8	23.8	88.4	196
1	16:20:30	3.275	287.5	-6.3	88.4	197
1	16:21:30	3.292	292.5	5.0	88.4	198
1	16:22:30	3.308	295.0	2.5	88.4	199
1	16:23:30	3.325	302.5	7.5	88.4	200
1	16:24:30	3.342	302.5	0.0	91.1	201
1	16:25:30	3.358	327.5	25.0	91.1	202
1	16:26:30	3.375	337.5	10.0	91.1	203
1	16:27:30	3.392	348.8	11.3	91.1	204
1	16:28:30	3.408	357.5	8.8	91.1	205
1	16:29:30	3.425	366.3	8.8	91.1	206
1	16:30:30	3.442	373.8	7.5	91.1	207
1	16:31:30	3.458	381.3	7.5	91.1	208
1	16:32:30	3.475	381.3	0.0	90.6	209
1	16:33:30	3.492	388.8	7.5	90.6	210
1	16:34:30	3.508	391.3	2.5	90.6	211
1	16:35:30	3.525	393.8	2.5	90.6	212
1	16:36:30	3.542	397.5	3.8	90.6	213
1	16:37:30	3.558	401.3	3.8	90.6	214
1	16:38:30	3.575	403.8	2.5	90.6	215
1	16:39:30	3.592	406.3	2.5	90.6	216
1	16:40:30	3.608	406.3	0.0	89.9	217
1	16:41:30	3.625	412.5	6.3	89.9	218
1	16:42:30	3.642	415.0	2.5	89.9	219
1	16:43:30	3.658	413.8	-1.3	89.9	220
1	16:44:30	3.675	407.5	-6.3	89.9	221
1	16:45:30	3.692	400.0	-7.5	89.9	222
1	16:46:30	3.708	388.8	-11.3	89.9	223
1	16:47:30	3.725	355.0	-33.8	89.9	224
1	16:48:30	3.742	355.0	0.0	89.0	225
1	16:49:30	3.758	395.0	40.0	89.0	226

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	16:50:30	3.775	400.0	5.0	89.0	227
1	16:51:30	3.792	401.3	1.3	89.0	228
1	16:52:30	3.808	403.8	2.5	89.0	229
1	16:53:30	3.825	403.8	0.0	89.0	230
1	16:54:30	3.842	405.0	1.3	89.0	231
1	16:55:30	3.858	405.0	0.0	89.0	232
1	16:56:30	3.875	405.0	0.0	88.9	233
1	16:57:30	3.892	406.3	1.3	88.9	234
1	16:58:30	3.908	405.0	-1.3	88.9	235
1	16:59:30	3.925	406.3	1.3	88.9	236
1	17:00:30	3.942	406.3	0.0	88.9	237
1	17:01:30	3.958	406.3	0.0	88.9	238
1	17:02:30	3.975	406.3	0.0	88.9	239
1	17:03:30	3.992	407.5	1.3	88.9	240
1	17:04:30	4.008	407.5	0.0	88.9	241
1	17:05:30	4.025	407.5	0.0	88.9	242
1	17:06:30	4.042	407.5	0.0	88.9	243
1	17:07:30	4.058	407.5	0.0	88.9	244
1	17:08:30	4.075	407.5	0.0	88.9	245
1	17:09:30	4.092	407.5	0.0	88.9	246
1	17:10:30	4.108	407.5	0.0	88.9	247
1	17:11:30	4.125	407.5	0.0	88.9	248
1	17:12:30	4.142	407.5	0.0	88.9	249
1	17:13:30	4.158	408.8	1.3	88.9	250
1	17:14:30	4.175	408.8	0.0	88.9	251
1	17:15:30	4.192	408.8	0.0	88.9	252
1	17:16:30	4.208	408.8	0.0	88.9	253
1	17:17:30	4.225	408.8	0.0	88.9	254
1	17:18:30	4.242	408.8	0.0	88.9	255
1	17:19:30	4.258	408.8	0.0	88.9	256
1	17:20:30	4.275	408.8	0.0	88.9	257
1	17:21:30	4.292	408.8	0.0	88.9	258
1	17:22:30	4.308	408.8	0.0	88.9	259
1	17:23:30	4.325	408.8	0.0	88.9	260
1	17:24:30	4.342	408.8	0.0	88.9	261
1	17:25:30	4.358	408.8	0.0	88.9	262
1	17:26:30	4.375	408.8	0.0	88.9	263
1	17:27:30	4.392	408.8	0.0	88.9	264
1	17:28:30	4.408	408.8	0.0	88.9	265
1	17:29:30	4.425	410.0	1.3	88.9	266
1	17:30:30	4.442	410.0	0.0	88.9	267
1	17:31:30	4.458	410.0	0.0	88.9	268
1	17:32:30	4.475	410.0	0.0	88.9	269
1	17:33:30	4.492	410.0	0.0	88.9	270
1	17:34:30	4.508	410.0	0.0	88.9	271
1	17:35:30	4.525	410.0	0.0	88.9	272

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	17:36:30	4.542	410.0	0.0	88.8	273
1	17:37:30	4.558	410.0	0.0	88.8	274
1	17:38:30	4.575	410.0	0.0	88.8	275
1	17:39:30	4.592	410.0	0.0	88.8	276
1	17:40:30	4.608	410.0	0.0	88.8	277
1	17:41:30	4.625	410.0	0.0	88.8	278
1	17:42:30	4.642	410.0	0.0	88.8	279
1	17:43:30	4.658	410.0	0.0	88.8	280
1	17:44:30	4.675	410.0	0.0	88.8	281
1	17:45:30	4.692	410.0	0.0	88.8	282
1	17:46:30	4.708	410.0	0.0	88.8	283
1	17:47:30	4.725	327.5	-82.5	88.8	284
1	17:48:30	4.742	340.0	12.5	88.8	285
1	17:49:30	4.758	326.3	-13.8	88.8	286
1	17:50:30	4.775	340.0	13.8	88.8	287
1	17:51:30	4.792	348.8	8.8	88.8	288
1	17:52:30	4.808	348.8	0.0	89.2	289
1	17:53:30	4.825	371.3	22.5	89.2	290
1	17:54:30	4.842	380.0	8.8	89.2	291
1	17:55:30	4.858	386.3	6.3	89.2	292
1	17:56:30	4.875	393.8	7.5	89.2	293
1	17:57:30	4.892	397.5	3.8	89.2	294
1	17:58:30	4.908	401.3	3.8	89.2	295
1	17:59:30	4.925	405.0	3.8	89.2	296
1	18:00:30	4.942	405.0	0.0	88.7	297
1	18:01:30	4.958	411.3	6.3	88.7	298
1	18:02:30	4.975	413.8	2.5	88.7	299
1	18:03:30	4.992	416.3	2.5	88.7	300
1	18:04:30	5.008	420.0	3.8	88.7	301
1	18:05:30	5.025	423.8	3.8	88.7	302
1	18:06:30	5.042	427.5	3.8	88.7	303
1	18:07:30	5.058	431.3	3.8	88.7	304
1	18:08:30	5.075	431.3	0.0	88.3	305
1	18:09:30	5.092	428.8	-2.5	88.3	306
1	18:10:30	5.108	421.3	-7.5	88.3	307
1	18:11:30	5.125	411.3	-10.0	88.3	308
1	18:12:30	5.142	400.0	-11.3	88.3	309
1	18:13:30	5.158	378.8	-21.3	88.3	310
1	18:14:30	5.175	338.8	-40.0	88.3	311
1	18:15:30	5.192	356.3	17.5	88.3	312
1	18:16:30	5.208	356.3	0.0	88.4	313
1	18:17:30	5.225	370.0	13.8	88.4	314
1	18:18:30	5.242	386.3	16.3	88.4	315
1	18:19:30	5.258	392.5	6.3	88.4	316
1	18:20:30	5.275	396.3	3.8	88.4	317
1	18:21:30	5.292	400.0	3.8	88.4	318

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	18:22:30	5.308	401.3	1.3	88.4	319
1	18:23:30	5.325	402.5	1.3	88.4	320
1	18:24:30	5.342	402.5	0.0	88.6	321
1	18:25:30	5.358	405.0	2.5	88.6	322
1	18:26:30	5.375	405.0	0.0	88.6	323
1	18:27:30	5.392	406.3	1.3	88.6	324
1	18:28:30	5.408	406.3	0.0	88.6	325
1	18:29:30	5.425	407.5	1.3	88.6	326
1	18:30:30	5.442	407.5	0.0	88.6	327
1	18:31:30	5.458	407.5	0.0	88.6	328
1	18:32:30	5.475	407.5	0.0	88.6	329
1	18:33:30	5.492	408.8	1.3	88.6	330
1	18:34:30	5.508	408.8	0.0	88.6	331
1	18:35:30	5.525	408.8	0.0	88.6	332
1	18:36:30	5.542	408.8	0.0	88.6	333
1	18:37:30	5.558	408.8	0.0	88.6	334
1	18:38:30	5.575	408.8	0.0	88.6	335
1	18:39:30	5.592	408.8	0.0	88.6	336
1	18:40:30	5.608	408.8	0.0	88.6	337
1	18:41:30	5.625	410.0	1.3	88.6	338
1	18:42:30	5.642	410.0	0.0	88.6	339
1	18:43:30	5.658	410.0	0.0	88.6	340
1	18:44:30	5.675	410.0	0.0	88.6	341
1	18:45:30	5.692	410.0	0.0	88.6	342
1	18:46:30	5.708	410.0	0.0	88.6	343
1	18:47:30	5.725	410.0	0.0	88.6	344
1	18:48:30	5.742	410.0	0.0	88.5	345
1	18:49:30	5.758	411.3	1.3	88.5	346
1	18:50:30	5.775	410.0	-1.3	88.5	347
1	18:51:30	5.792	411.3	1.3	88.5	348
1	18:52:30	5.808	411.3	0.0	88.5	349
1	18:53:30	5.825	411.3	0.0	88.5	350
1	18:54:30	5.842	411.3	0.0	88.5	351
1	18:55:30	5.858	411.3	0.0	88.5	352
1	18:56:30	5.875	411.3	0.0	88.5	353
1	18:57:30	5.892	411.3	0.0	88.5	354
1	18:58:30	5.908	411.3	0.0	88.5	355
1	18:59:30	5.925	411.3	0.0	88.5	356
1	19:00:30	5.942	411.3	0.0	88.5	357
1	19:01:30	5.958	411.3	0.0	88.5	358
1	19:02:30	5.975	411.3	0.0	88.5	359
1	19:03:30	5.992	411.3	0.0	88.5	360
1	19:04:30	6.008	411.3	0.0	88.4	361
1	19:05:30	6.025	411.3	0.0	88.4	362
1	19:06:30	6.042	411.3	0.0	88.4	363
1	19:07:30	6.058	411.3	0.0	88.4	364

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	19:08:30	6.075	411.3	0.0	88.4	365
1	19:09:30	6.092	411.3	0.0	88.4	366
1	19:10:30	6.108	411.3	0.0	88.4	367
1	19:11:30	6.125	411.3	0.0	88.4	368
1	19:12:30	6.142	411.3	0.0	88.4	369
1	19:13:30	6.158	412.5	1.3	88.4	370
1	19:14:30	6.175	411.3	-1.3	88.4	371
1	19:15:30	6.192	411.3	0.0	88.4	372
1	19:16:30	6.208	411.3	0.0	88.4	373
1	19:17:30	6.225	498.8	87.5	88.4	374
1	19:18:30	6.242	743.8	245.0	88.4	375
1	19:19:30	6.258	738.8	-5.0	88.4	376
1	19:20:30	6.275	738.8	0.0	87.8	377
1	19:21:30	6.292	736.3	-2.5	87.8	378
1	19:22:30	6.308	736.3	0.0	87.8	379
1	19:23:30	6.325	736.3	0.0	87.8	380
1	19:24:30	6.342	736.3	0.0	87.8	381
1	19:25:30	6.358	712.5	-23.8	87.8	382
1	19:26:30	6.375	712.5	0.0	87.8	383
1	19:27:30	6.392	693.8	-18.8	87.8	384
1	19:28:30	6.408	693.8	0.0	87.7	385
1	19:29:30	6.425	596.3	-97.5	87.7	386
1	19:30:30	6.442	571.3	-25.0	87.7	387
1	19:31:30	6.458	508.8	-62.5	87.7	388
1	19:32:30	6.475	470.0	-38.8	87.7	389
1	19:33:30	6.492	426.3	-43.8	87.7	390
1	19:34:30	6.508	368.8	-57.5	87.7	391
1	19:35:30	6.525	415.0	46.3	87.7	392
1	19:36:30	6.542	415.0	0.0	81.9	393
1	19:37:30	6.558	220.0	-195.0	81.9	394
1	19:38:30	6.575	147.5	-72.5	81.9	395
1	19:39:30	6.592	77.5	-70.0	81.9	396
1	19:40:30	6.608	17.5	-60.0	81.9	397
1	19:41:30	6.625	16.3	-1.3	81.9	398
1	19:42:30	6.642	22.5	6.3	81.9	399
1	19:43:30	6.658	33.8	11.3	81.9	400
1	19:44:30	6.675	33.8	0.0	78.4	401
1	19:45:30	6.692	128.8	95.0	78.4	402
1	19:46:30	6.708	178.8	50.0	78.4	403
1	19:47:30	6.725	248.8	70.0	78.4	404
1	19:48:30	6.742	253.8	5.0	78.4	405
1	19:49:30	6.758	257.5	3.8	78.4	406
1	19:50:30	6.775	257.5	0.0	78.4	407
1	19:51:30	6.792	257.5	0.0	78.4	408
1	19:52:30	6.808	257.5	0.0	75.3	409
1	19:53:30	6.825	241.3	-16.3	75.3	410

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	19:54:30	6.842	231.3	-10.0	75.3	411
1	19:55:30	6.858	200.0	-31.3	75.3	412
1	19:56:30	6.875	166.3	-33.8	75.3	413
1	19:57:30	6.892	141.3	-25.0	75.3	414
1	19:58:30	6.908	101.3	-40.0	75.3	415
1	19:59:30	6.925	75.0	-26.3	75.3	416
1	20:00:30	6.942	75.0	0.0	77.1	417
1	20:01:30	6.958	51.3	-23.8	77.1	418
1	20:02:30	6.975	17.5	-33.8	77.1	419
1	20:03:30	6.992	22.5	5.0	77.1	420
1	20:04:30	7.008	15.0	-7.5	77.1	421
1	20:05:30	7.025	15.0	0.0	77.1	422
1	20:06:30	7.042	15.0	0.0	77.1	423
1	20:07:30	7.058	13.8	-1.3	77.1	424
1	20:08:30	7.075	13.8	0.0	77.2	425
1	20:09:30	7.092	15.0	1.3	77.2	426
1	20:10:30	7.108	15.0	0.0	77.2	427
1	20:11:30	7.125	15.0	0.0	77.2	428
1	20:12:30	7.142	15.0	0.0	77.2	429
1	20:13:30	7.158	15.0	0.0	77.2	430
1	20:14:30	7.175	15.0	0.0	77.2	431
1	20:15:30	7.192	15.0	0.0	77.2	432
1	20:16:30	7.208	15.0	0.0	76.2	433
1	20:17:30	7.225	15.0	0.0	76.2	434
1	20:18:30	7.242	16.3	1.3	76.2	435
1	20:19:30	7.258	15.0	-1.3	76.2	436
1	20:20:30	7.275	15.0	0.0	76.2	437
1	20:21:30	7.292	15.0	0.0	76.2	438
1	20:22:30	7.308	16.3	1.3	76.2	439
1	20:23:30	7.325	16.3	0.0	76.2	440
1	20:24:30	7.342	16.3	0.0	73.9	441
1	20:25:30	7.358	16.3	0.0	73.9	442
1	20:26:30	7.375	16.3	0.0	73.9	443
1	20:27:30	7.392	16.3	0.0	73.9	444
1	20:28:30	7.408	16.3	0.0	73.9	445
1	20:29:30	7.425	16.3	0.0	73.9	446
1	20:30:30	7.442	16.3	0.0	73.9	447
1	20:31:30	7.458	16.3	0.0	73.9	448
1	20:32:30	7.475	16.3	0.0	72.3	449
1	20:33:30	7.492	16.3	0.0	72.3	450
1	20:34:30	7.508	16.3	0.0	72.3	451
1	20:35:30	7.525	16.3	0.0	72.3	452
1	20:36:30	7.542	16.3	0.0	72.3	453
1	20:37:30	7.558	16.3	0.0	72.3	454
1	20:38:30	7.575	16.3	0.0	72.3	455
1	20:39:30	7.592	16.3	0.0	72.3	456

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	19:54:30	6.842	231.3	-10.0	75.3	411
1	19:55:30	6.858	200.0	-31.3	75.3	412
1	19:56:30	6.875	166.3	-33.8	75.3	413
1	19:57:30	6.892	141.3	-25.0	75.3	414
1	19:58:30	6.908	101.3	-40.0	75.3	415
1	19:59:30	6.925	75.0	-26.3	75.3	416
1	20:00:30	6.942	75.0	0.0	77.1	417
1	20:01:30	6.958	51.3	-23.8	77.1	418
1	20:02:30	6.975	17.5	-33.8	77.1	419
1	20:03:30	6.992	22.5	5.0	77.1	420
1	20:04:30	7.008	15.0	-7.5	77.1	421
1	20:05:30	7.025	15.0	0.0	77.1	422
1	20:06:30	7.042	15.0	0.0	77.1	423
1	20:07:30	7.058	13.8	-1.3	77.1	424
1	20:08:30	7.075	13.8	0.0	77.2	425
1	20:09:30	7.092	15.0	1.3	77.2	426
1	20:10:30	7.108	15.0	0.0	77.2	427
1	20:11:30	7.125	15.0	0.0	77.2	428
1	20:12:30	7.142	15.0	0.0	77.2	429
1	20:13:30	7.158	15.0	0.0	77.2	430
1	20:14:30	7.175	15.0	0.0	77.2	431
1	20:15:30	7.192	15.0	0.0	77.2	432
1	20:16:30	7.208	15.0	0.0	76.2	433
1	20:17:30	7.225	15.0	0.0	76.2	434
1	20:18:30	7.242	16.3	1.3	76.2	435
1	20:19:30	7.258	15.0	-1.3	76.2	436
1	20:20:30	7.275	15.0	0.0	76.2	437
1	20:21:30	7.292	15.0	0.0	76.2	438
1	20:22:30	7.308	16.3	1.3	76.2	439
1	20:23:30	7.325	16.3	0.0	76.2	440
1	20:24:30	7.342	16.3	0.0	73.9	441
1	20:25:30	7.358	16.3	0.0	73.9	442
1	20:26:30	7.375	16.3	0.0	73.9	443
1	20:27:30	7.392	16.3	0.0	73.9	444
1	20:28:30	7.408	16.3	0.0	73.9	445
1	20:29:30	7.425	16.3	0.0	73.9	446
1	20:30:30	7.442	16.3	0.0	73.9	447
1	20:31:30	7.458	16.3	0.0	73.9	448
1	20:32:30	7.475	16.3	0.0	72.3	449
1	20:33:30	7.492	16.3	0.0	72.3	450
1	20:34:30	7.508	16.3	0.0	72.3	451
1	20:35:30	7.525	16.3	0.0	72.3	452
1	20:36:30	7.542	16.3	0.0	72.3	453
1	20:37:30	7.558	16.3	0.0	72.3	454
1	20:38:30	7.575	16.3	0.0	72.3	455
1	20:39:30	7.592	16.3	0.0	72.3	456

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	20:40:30	7.608	16.3	0.0	71.0	457
1	20:41:30	7.625	16.3	0.0	71.0	458
1	20:42:30	7.642	16.3	0.0	71.0	459
1	20:43:30	7.658	16.3	0.0	71.0	460
1	20:44:30	7.675	16.3	0.0	71.0	461
1	20:45:30	7.692	16.3	0.0	71.0	462
1	20:46:30	7.708	16.3	0.0	71.0	463
1	20:47:30	7.725	16.3	0.0	71.0	464
1	20:48:30	7.742	16.3	0.0	69.5	465
1	20:49:30	7.758	16.3	0.0	69.5	466
1	20:50:30	7.775	16.3	0.0	69.5	467
1	20:51:30	7.792	16.3	0.0	69.5	468
1	20:52:30	7.808	16.3	0.0	69.5	469
1	20:53:30	7.825	16.3	0.0	69.5	470
1	20:54:30	7.842	16.3	0.0	69.5	471
1	20:55:30	7.858	16.3	0.0	69.5	472
1	20:56:30	7.875	16.3	0.0	66.5	473
1	20:57:30	7.892	17.5	1.3	66.5	474
1	20:58:30	7.908	17.5	0.0	66.5	475
1	20:59:30	7.925	17.5	0.0	66.5	476
1	21:00:30	7.942	17.5	0.0	66.5	477
1	21:01:30	7.958	17.5	0.0	66.5	478
1	21:02:30	7.975	17.5	0.0	66.5	479
1	21:03:30	7.992	17.5	0.0	66.5	480
1	13:04:00	0.000	0.0	-17.5	0.0	481
1	13:04:00	0.000	0.0	0.0	0.0	482
1	13:04:00	0.000	0.0	0.0	0.0	483
1	13:04:00	0.000	0.0	0.0	0.0	484
1	13:04:00	0.000	0.0	0.0	0.0	485
1	13:04:00	0.000	0.0	0.0	0.0	486
1	13:04:00	0.000	0.0	0.0	0.0	487
1	13:04:00	0.000	0.0	0.0	0.0	488
1	13:04:00	0.000	0.0	0.0	0.0	489
1	13:04:00	0.000	0.0	0.0	0.0	490
1	13:04:00	0.000	0.0	0.0	0.0	491
1	13:04:00	0.000	0.0	0.0	0.0	492
1	13:04:00	0.000	0.0	0.0	0.0	493
1	13:04:00	0.000	0.0	0.0	0.0	494
1	13:04:00	0.000	0.0	0.0	0.0	495
1	13:04:00	0.000	0.0	0.0	0.0	496
1	13:04:00	0.000	0.0	0.0	0.0	497
1	13:04:00	0.000	0.0	0.0	0.0	498
1	13:04:00	0.000	0.0	0.0	0.0	499
1	13:04:00	0.000	0.0	0.0	0.0	500
1	13:04:00	0.000	0.0	0.0	0.0	501
1	13:04:00	0.000	0.0	0.0	0.0	502

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WELL TEST REPORT

COMPANY NAME	: RIDGEWAY ARIZONA
FIELD	: WILDCAT
WELL NAME	: STATE 10 - 22
LOCATION	: 22 10N 30E
DST NUMBER	: 3.0
TEST INTERVAL	: 2054 - 2265 (211')
GAUGE DEPTH	: 2031.0
GAUGE MODEL	: 257S
GAUGE S/N	: 4001.0
TEST TYPE	: BOTTOM HOLE CONV.
COMMENTS	:

PIN 896

TECHNICIAN	: LEROY RUSHING
REPORT DATE	: 31-Mar-97

The reports and plots contained here-in are a true and accurate representation of the input data. However, all interpretations are opinions based on analytical techniques described in the literature and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willfull negligence on out part, be liable or responsible for any loss, cost, damages, or expenses incurred or sustained by anyone resulting from any interpreations made by one of our officers, agents, or employees.

— BAKER OIL TOOLS —

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Post Office Box 718
Farmington, New Mexico 87499
1732 East Main Street
Farmington, New Mexico 87401
Telephone (505) 325-0216

OPERATOR:	RIDGEWAY ARIZONA		
WELL NAME:	STATE 10-22		
CONTRACTOR:	AZTEC #124		
DST NO.:	3	**K. B. ELEVATION:**	6892
SPOT:		**FORMATION:**	GRANITE WASH
SECTION:	22		
TOWNSHIP:	10N		
RANGE:	30E		
FIELD:	WILDCAT		
COUNTY:	APACHE		
STATE:	ARIZONA		
FLOW NO. 1:	30 MIN.	**SHUT-IN NO. 1:**	60 MIN.
FLOW NO. 2:	30 MIN.	**SHUT-IN NO. 2:**	60 MIN.
BOTTOM HOLE TEMP:	98		
TOP CHOKE:	BUBBLE HOSE	**BOTTOM CHOKE:**	9/16
HOLE SIZE:	7 7/8	**CASING SIZE & WT.:**	8 5/8 24#
SIZE & WT. D.P.:	4 1/2 XH 16.6#		
I.D. OF D.C.:	2 1/4		
D. C. ABOVE TOOL:	610		
TOTAL DEPTH:	2265		
INTERVAL TESTED:	2054-2265		
TYPE OF TEST:	BOTTOM HOLE CONV.		
MUD WEIGHT:	9.5	**VISCOSITY:**	45
TOOL OPENED @:	0:34:00		

People and Products Providing Solutions for
Completions, Workovers and Fishing

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OPERATOR: RIDGEWAY ARIZONA
WELL NAME: STATE 10-22
DST NO.: 3

2054-2265' (211')

SAMPLE DATA

SAMPLE CHAMBER:

CAPACITY OF SAMPLE CHAMBER.....:	2400 CC
VOLUME OF SAMPLE.....:	2200 CC
PRESSURE IN SAMPLE CHAMBER.....:	40 PSIG
WHERE WAS SAMPLER DRAINED.....:	RIG
SAMPLE CHAMBER CONTAINED.....:	2200 CC HEAVILY GAS CUT MUD

RESISTIVITY DATA:

TOP SAMPLE.....:	.82 @ 78	6500 PPM
MIDDLE SAMPLE.....:	.96 @ 72	6500 PPM
BOTTOM SAMPLE.....:	.96 @ 72	6500 PPM
SAMPLER.....:	.68 @ 68	9500 PPM
MUD PIT SAMPLE.....:	.60 @ 92	10500 PPM
MAKE UP WATER.....:	3.4 @ 58	2200 PPM

DID WELL FLOW GAS TO SURFACE.....	NO
DID WELL FLOW OIL TO SURFACE.....	NO
DID WELL FLOW WATER TO SURFACE..	NO

RECOVERY IN DRILL PIPE: 0.3 **Bbl**
60 FT. OF HEAVILY GAS CUT MUD

BLOW DESCRIPTION:
INITIAL FLOW; TOOL OPENED WITH A 1" UNDERWATER BLOW INCREASED TO 2" IN 1 10 MIN., BOTTOM OF THE BUCKET IN 18 MIN., 6 OZ IN 20 MIN. AND REMAINED THROUGH OUT THE FLOW
FINAL FLOW; TOOL OPENED WITH 30 OZ ON THE BUBBLE HOSE DECREASED TO 6 OZ IN 15 MIN., 4 OZ IN 30 MIN.

REMARKS;

OPERATOR RIDGEWAY ARIZONA
WELL NAME STATE 10-22
DST NO.: 3

2054-2265' (211')

RECORDER DATA

TYPE:	DMR
CAPACITY:	5000
SER. NO.:	4001
LOCATION:	2031
HOURS:	20:26:00
FLOW:	INSIDE
IH.....	1036
FH.....	1025
IF - 1.....	31
FF - 1.....	57
IF - 2.....	52
FF - 2.....	68
SIP - 1.....	258
SIP - 2.....	175

TYPE:	DMR
CAPACITY:	5000
SER. NO.:	4003
LOCATION:	2059
HOURS:	20:28:00
FLOW:	INSIDE
IH.....	1058
FH.....	1047
IF - 1.....	58
FF - 1.....	76
IF - 2.....	75
FF - 2.....	90
SIP - 1.....	258
SIP - 2.....	186

TYPE:	
CAPACITY:	
SER. NO.:	
LOCATION:	
HOURS:	
FLOW:	
IH.....	
FH.....	
IF - 1.....	
FF - 1.....	
IF - 2.....	
FF - 2.....	
SIP - 1.....	
SIP - 2.....	

GAS RATES

TIME	CHOKE SIZE	SURFACE PRESSURE	FLOW RATE MCF/DAY	REMARKS
		NO G. T.S.		

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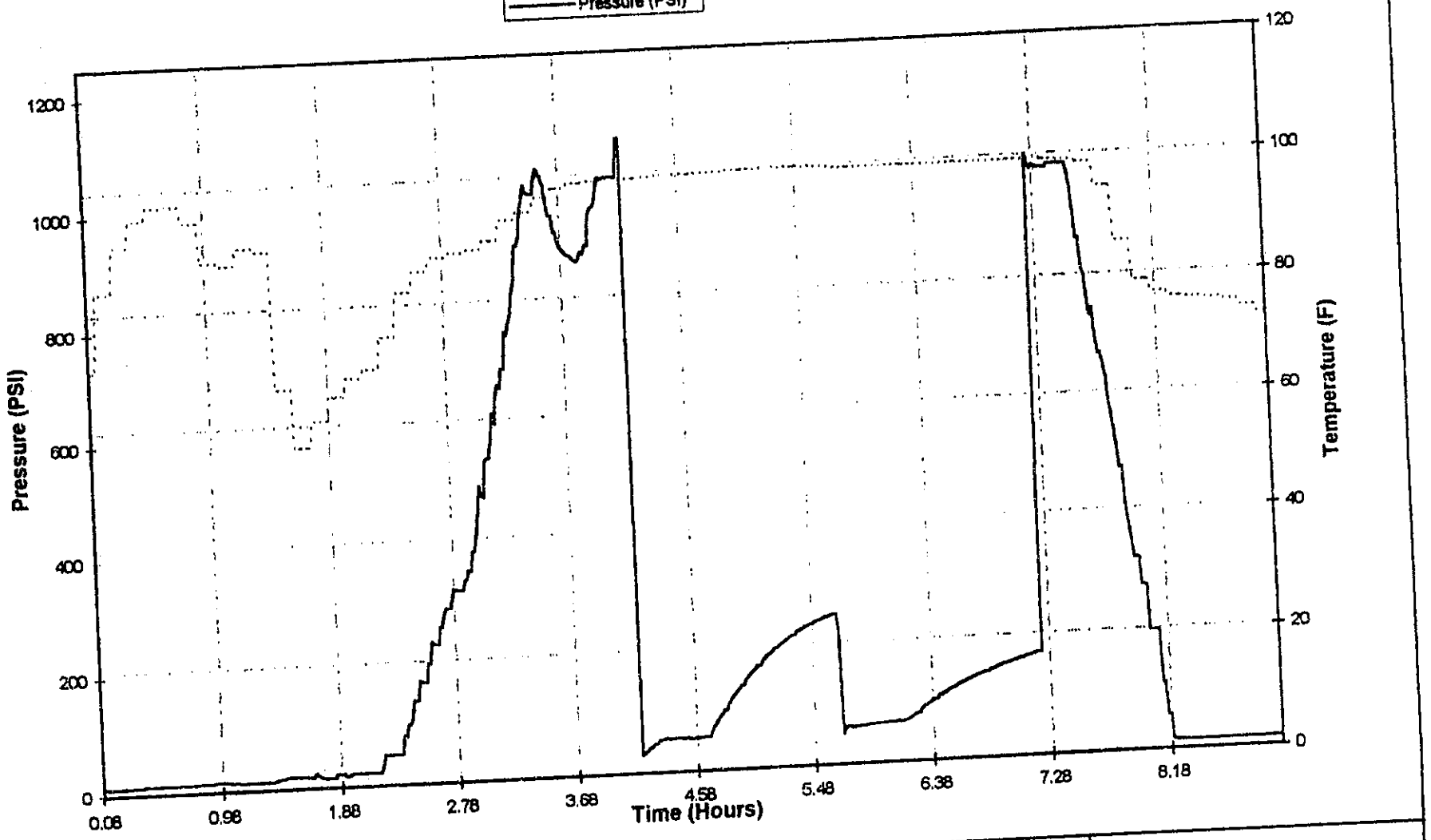
Notes:

DMR Pressure Plot

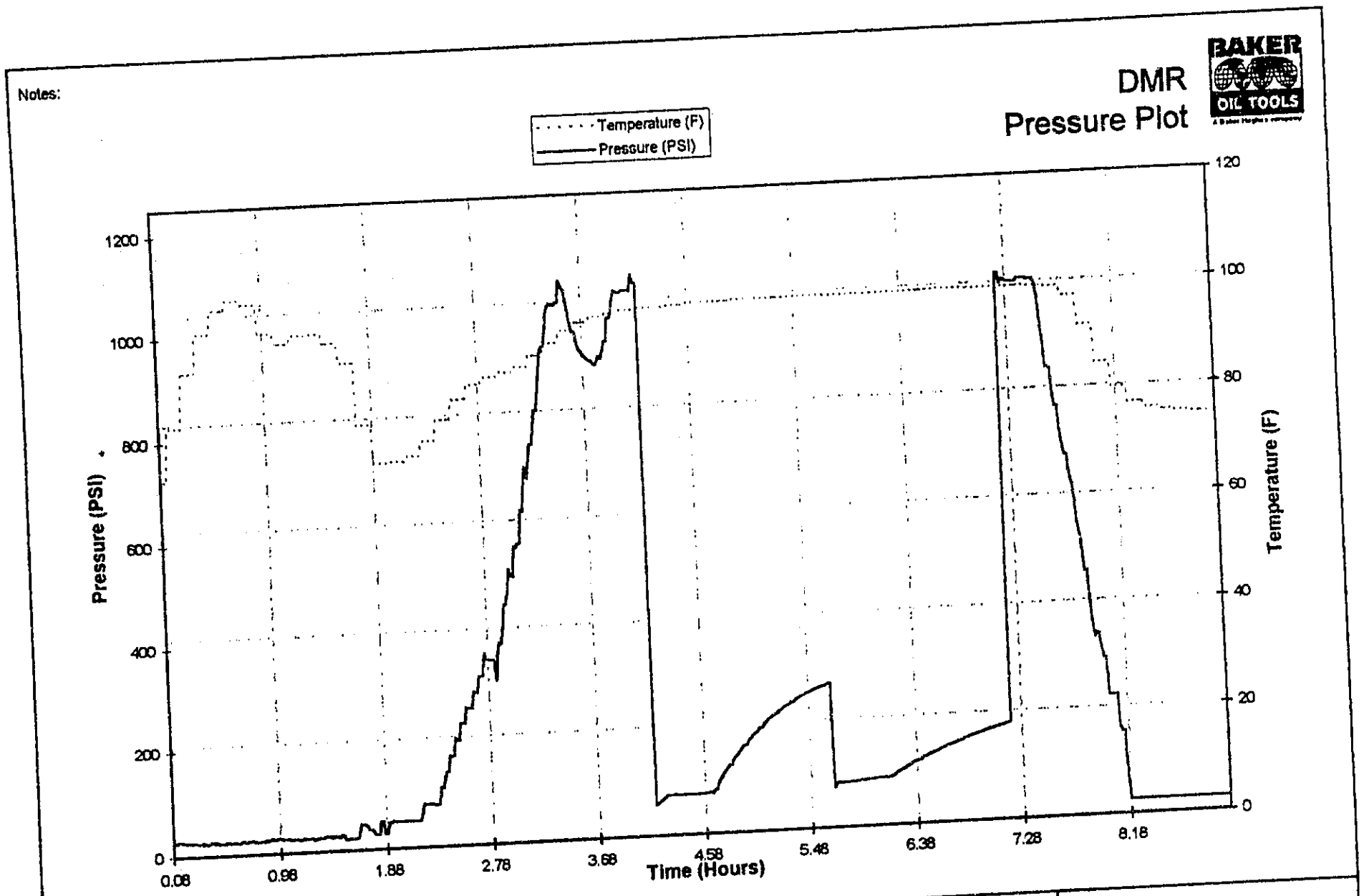
BAKER OIL TOOLS



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/26/97	Gauge Depth: 2031
Well: STATE 10 - 22	Formation: GRANITE WASH	Start Time: 3/26/97 8:30 AM	Tool Type: 4001
Field: WILDCAT	Test Interval: 2054 - 2265	End Time: 3/26/97 5:26 PM	Technician: LEROY RUSHING

Notes:

DMR Pressure Plot



Company: RIDGEWAY ARIZONA	Location: 22 10N 30E	Test Date: 3/26/97	Gauge Depth: 2059
Well: STATE 10 - 22	Formation: GRANITE WASH	Start Time: 3/26/97 8:32 AM	Tool Type: 4003
Field: WILDCAT	Test Interval: 2054 - 2265	End Time: 3/26/97 5:28 PM	Technician: LEROY RUSHING

COMPANY : RIDGEWAY ARIZONA
FIELD : WILDCAT
LOCATION : 22 10N 30E
TEST INT. : 2054-2265
WELL NAME : STATE 10-22

GAUGE DEPTH : 2031 feet
GAUGE S/N : 4001
START DATE : 3/26/97
START TIME : 20:26:00
DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	20:26:30	0.008	0.0	0.0	70.4	1
1	20:27:30	0.025	15.0	15.0	70.4	2
1	20:28:30	0.042	15.0	0.0	70.4	3
1	20:29:30	0.058	15.0	0.0	70.4	4
1	20:30:30	0.075	13.8	-1.3	70.4	5
1	20:31:30	0.092	12.5	-1.3	70.4	6
1	20:32:30	0.108	12.5	0.0	70.4	7
1	20:33:30	0.125	11.3	-1.3	70.4	8
1	20:34:30	0.142	11.3	0.0	83.5	9
1	20:35:30	0.158	11.3	0.0	83.5	10
1	20:36:30	0.175	11.3	0.0	83.5	11
1	20:37:30	0.192	11.3	0.0	83.5	12
1	20:38:30	0.208	11.3	0.0	83.5	13
1	20:39:30	0.225	12.5	1.3	83.5	14
1	20:40:30	0.242	11.3	-1.3	83.5	15
1	20:41:30	0.258	12.5	1.3	83.5	16
1	20:42:30	0.275	12.5	0.0	91.1	17
1	20:43:30	0.292	12.5	0.0	91.1	18
1	20:44:30	0.308	12.5	0.0	91.1	19
1	20:45:30	0.325	12.5	0.0	91.1	20
1	20:46:30	0.342	12.5	0.0	91.1	21
1	20:47:30	0.358	12.5	0.0	91.1	22
1	20:48:30	0.375	12.5	0.0	91.1	23
1	20:49:30	0.392	13.8	1.3	91.1	24
1	20:50:30	0.408	13.8	0.0	95.4	25
1	20:51:30	0.425	13.8	0.0	95.4	26
1	20:52:30	0.442	13.8	0.0	95.4	27
1	20:53:30	0.458	13.8	0.0	95.4	28
1	20:54:30	0.475	13.8	0.0	95.4	29
1	20:55:30	0.492	13.8	0.0	95.4	30
1	20:56:30	0.508	13.8	0.0	95.4	31
1	20:57:30	0.525	13.8	0.0	95.4	32
1	20:58:30	0.542	13.8	0.0	97.4	33
1	20:59:30	0.558	13.8	0.0	97.4	34
1	21:00:30	0.575	13.8	0.0	97.4	35
1	21:01:30	0.592	13.8	0.0	97.4	36
1	21:02:30	0.608	13.8	0.0	97.4	37
1	21:03:30	0.625	13.8	0.0	97.4	38
1	21:04:30	0.642	13.8	0.0	97.4	39
1	21:05:30	0.658	13.8	0.0	97.4	40
1	21:06:30	0.675	13.8	0.0	97.6	41
1	21:07:30	0.692	13.8	0.0	97.6	42

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	21:08:30	0.708	13.8	0.0	97.6	43
1	21:09:30	0.725	13.8	0.0	97.6	44
1	21:10:30	0.742	13.8	0.0	97.6	45
1	21:11:30	0.758	13.8	0.0	97.6	46
1	21:12:30	0.775	13.8	0.0	97.6	47
1	21:13:30	0.792	15.0	1.3	97.6	48
1	21:14:30	0.808	15.0	0.0	94.7	49
1	21:15:30	0.825	15.0	0.0	94.7	50
1	21:16:30	0.842	15.0	0.0	94.7	51
1	21:17:30	0.858	15.0	0.0	94.7	52
1	21:18:30	0.875	15.0	0.0	94.7	53
1	21:19:30	0.892	15.0	0.0	94.7	54
1	21:20:30	0.908	15.0	0.0	94.7	55
1	21:21:30	0.925	16.3	1.3	94.7	56
1	21:22:30	0.942	16.3	0.0	88.1	57
1	21:23:30	0.958	16.3	0.0	88.1	58
1	21:24:30	0.975	16.3	0.0	88.1	59
1	21:25:30	0.992	16.3	0.0	88.1	60
1	21:26:30	1.008	16.3	0.0	88.1	61
1	21:27:30	1.025	16.3	0.0	88.1	62
1	21:28:30	1.042	15.0	-1.3	88.1	63
1	21:29:30	1.058	15.0	0.0	88.1	64
1	21:30:30	1.075	15.0	0.0	87.4	65
1	21:31:30	1.092	15.0	0.0	87.4	66
1	21:32:30	1.108	13.8	-1.3	87.4	67
1	21:33:30	1.125	13.8	0.0	87.4	68
1	21:34:30	1.142	13.8	0.0	87.4	69
1	21:35:30	1.158	13.8	0.0	87.4	70
1	21:36:30	1.175	13.8	0.0	87.4	71
1	21:37:30	1.192	13.8	0.0	87.4	72
1	21:38:30	1.208	13.8	0.0	90.3	73
1	21:39:30	1.225	13.8	0.0	90.3	74
1	21:40:30	1.242	13.8	0.0	90.3	75
1	21:41:30	1.258	13.8	0.0	90.3	76
1	21:42:30	1.275	13.8	0.0	90.3	77
1	21:43:30	1.292	13.8	0.0	90.3	78
1	21:44:30	1.308	13.8	0.0	90.3	79
1	21:45:30	1.325	13.8	0.0	90.3	80
1	21:46:30	1.342	13.8	0.0	89.4	81
1	21:47:30	1.358	13.8	0.0	89.4	82
1	21:48:30	1.375	15.0	1.3	89.4	83
1	21:49:30	1.392	16.3	1.3	89.4	84
1	21:50:30	1.408	17.5	1.3	89.4	85
1	21:51:30	1.425	18.8	1.3	89.4	86
1	21:52:30	1.442	18.8	0.0	89.4	87
1	21:53:30	1.458	20.0	1.3	89.4	88

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	21:54:30	1.475	20.0	0.0	66.3	89
1	21:55:30	1.492	21.3	1.3	66.3	90
1	21:56:30	1.508	20.0	-1.3	66.3	91
1	21:57:30	1.525	21.3	1.3	66.3	92
1	21:58:30	1.542	21.3	0.0	66.3	93
1	21:59:30	1.558	20.0	-1.3	66.3	94
1	22:00:30	1.575	20.0	0.0	66.3	95
1	22:01:30	1.592	20.0	0.0	66.3	96
1	22:02:30	1.608	20.0	0.0	56.3	97
1	22:03:30	1.625	20.0	0.0	56.3	98
1	22:04:30	1.642	20.0	0.0	56.3	99
1	22:05:30	1.658	18.8	-1.3	56.3	100
1	22:06:30	1.675	25.0	6.3	56.3	101
1	22:07:30	1.692	22.5	-2.5	56.3	102
1	22:08:30	1.708	20.0	-2.5	56.3	103
1	22:09:30	1.725	17.5	-2.5	56.3	104
1	22:10:30	1.742	17.5	0.0	60.8	105
1	22:11:30	1.758	16.3	-1.3	60.8	106
1	22:12:30	1.775	16.3	0.0	60.8	107
1	22:13:30	1.792	16.3	0.0	60.8	108
1	22:14:30	1.808	16.3	0.0	60.8	109
1	22:15:30	1.825	16.3	0.0	60.8	110
1	22:16:30	1.842	23.8	7.5	60.8	111
1	22:17:30	1.858	22.5	-1.3	60.8	112
1	22:18:30	1.875	22.5	0.0	64.8	113
1	22:19:30	1.892	22.5	0.0	64.8	114
1	22:20:30	1.908	18.8	-3.8	64.8	115
1	22:21:30	1.925	18.8	0.0	64.8	116
1	22:22:30	1.942	21.3	2.5	64.8	117
1	22:23:30	1.958	22.5	1.3	64.8	118
1	22:24:30	1.975	22.5	0.0	64.8	119
1	22:25:30	1.992	22.5	0.0	64.8	120
1	22:26:30	2.008	22.5	0.0	67.8	121
1	22:27:30	2.025	22.5	0.0	67.8	122
1	22:28:30	2.042	22.5	0.0	67.8	123
1	22:29:30	2.058	22.5	0.0	67.8	124
1	22:30:30	2.075	22.5	0.0	67.8	125
1	22:31:30	2.092	22.5	0.0	67.8	126
1	22:32:30	2.108	22.5	0.0	67.8	127
1	22:33:30	2.125	22.5	0.0	67.8	128
1	22:34:30	2.142	22.5	0.0	69.2	129
1	22:35:30	2.158	22.5	0.0	69.2	130
1	22:36:30	2.175	22.5	0.0	69.2	131
1	22:37:30	2.192	38.8	16.3	69.2	132
1	22:38:30	2.208	52.5	13.8	69.2	133
1	22:39:30	2.225	52.5	0.0	69.2	134

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	22:40:30	2.242	52.5	0.0	69.2	135
1	22:41:30	2.258	52.5	0.0	69.2	136
1	22:42:30	2.275	52.5	0.0	74.7	137
1	22:43:30	2.292	52.5	0.0	74.7	138
1	22:44:30	2.308	52.5	0.0	74.7	139
1	22:45:30	2.325	52.5	0.0	74.7	140
1	22:46:30	2.342	53.8	1.3	74.7	141
1	22:47:30	2.358	83.8	30.0	74.7	142
1	22:48:30	2.375	82.5	-1.3	74.7	143
1	22:49:30	2.392	102.5	20.0	74.7	144
1	22:50:30	2.408	102.5	0.0	81.9	145
1	22:51:30	2.425	112.5	10.0	81.9	146
1	22:52:30	2.442	143.8	31.3	81.9	147
1	22:53:30	2.458	142.5	-1.3	81.9	148
1	22:54:30	2.475	143.8	1.3	81.9	149
1	22:55:30	2.492	176.3	32.5	81.9	150
1	22:56:30	2.508	173.8	-2.5	81.9	151
1	22:57:30	2.525	173.8	0.0	81.9	152
1	22:58:30	2.542	173.8	0.0	85.3	153
1	22:59:30	2.558	205.0	31.3	85.3	154
1	23:00:30	2.575	205.0	0.0	85.3	155
1	23:01:30	2.592	241.3	36.3	85.3	156
1	23:02:30	2.608	236.3	-5.0	85.3	157
1	23:03:30	2.625	236.3	0.0	85.3	158
1	23:04:30	2.642	236.3	0.0	85.3	159
1	23:05:30	2.658	267.5	31.3	85.3	160
1	23:06:30	2.675	267.5	0.0	87.4	161
1	23:07:30	2.692	291.3	23.8	87.4	162
1	23:08:30	2.708	298.8	7.5	87.4	163
1	23:09:30	2.725	298.8	0.0	87.4	164
1	23:10:30	2.742	298.8	0.0	87.4	165
1	23:11:30	2.758	318.8	20.0	87.4	166
1	23:12:30	2.775	330.0	11.3	87.4	167
1	23:13:30	2.792	328.8	-1.3	87.4	168
1	23:14:30	2.808	328.8	0.0	88.1	169
1	23:15:30	2.825	328.8	0.0	88.1	170
1	23:16:30	2.842	328.8	0.0	88.1	171
1	23:17:30	2.858	343.8	15.0	88.1	172
1	23:18:30	2.875	347.5	3.8	88.1	173
1	23:19:30	2.892	362.5	15.0	88.1	174
1	23:20:30	2.908	361.3	-1.3	88.1	175
1	23:21:30	2.925	393.8	32.5	88.1	176
1	23:22:30	2.942	393.8	0.0	88.5	177
1	23:23:30	2.958	425.0	31.3	88.5	178
1	23:24:30	2.975	463.8	38.8	88.5	179
1	23:25:30	2.992	507.5	43.8	88.5	180

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
1	23:26:30	3.008	490.0	-17.5	88.5	181
1	23:27:30	3.025	488.8	-1.3	88.5	182
1	23:28:30	3.042	551.3	62.5	88.5	183
1	23:29:30	3.058	556.3	5.0	88.5	184
1	23:30:30	3.075	556.3	0.0	89.8	185
1	23:31:30	3.092	585.0	28.8	89.8	186
1	23:32:30	3.108	635.0	50.0	89.8	187
1	23:33:30	3.125	616.3	-18.8	89.8	188
1	23:34:30	3.142	667.5	51.3	89.8	189
1	23:35:30	3.158	683.8	16.3	89.8	190
1	23:36:30	3.175	680.0	-3.8	89.8	191
1	23:37:30	3.192	712.5	32.5	89.8	192
1	23:38:30	3.208	712.5	0.0	93.1	193
1	23:39:30	3.225	778.8	66.3	93.1	194
1	23:40:30	3.242	773.8	-5.0	93.1	195
1	23:41:30	3.258	795.0	21.3	93.1	196
1	23:42:30	3.275	808.8	13.8	93.1	197
1	23:43:30	3.292	842.5	33.8	93.1	198
1	23:44:30	3.308	866.3	23.8	93.1	199
1	23:45:30	3.325	926.3	60.0	93.1	200
1	23:46:30	3.342	926.3	0.0	94.2	201
1	23:47:30	3.358	938.8	12.5	94.2	202
1	23:48:30	3.375	981.3	42.5	94.2	203
1	23:49:30	3.392	1001.3	20.0	94.2	204
1	23:50:30	3.408	1027.5	26.3	94.2	205
1	23:51:30	3.425	1016.3	-11.3	94.2	206
1	23:52:30	3.442	1013.8	-2.5	94.2	207
1	23:53:30	3.458	1012.5	-1.3	94.2	208
1	23:54:30	3.475	1012.5	0.0	96.6	209
1	23:55:30	3.492	1037.5	25.0	96.6	210
1	23:56:30	3.508	1053.8	16.3	96.6	211
1	23:57:30	3.525	1045.0	-8.8	96.6	212
1	23:58:30	3.542	1041.3	-3.8	96.6	213
1	23:59:30	3.558	1026.3	-15.0	96.6	214
2	0:00:30	3.575	997.5	-28.8	96.6	215
2	0:01:30	3.592	973.8	-23.8	96.6	216
2	0:02:30	3.608	973.8	0.0	97.9	217
2	0:03:30	3.625	947.5	-26.3	97.9	218
2	0:04:30	3.642	943.8	-3.8	97.9	219
2	0:05:30	3.658	923.8	-20.0	97.9	220
2	0:06:30	3.675	918.8	-5.0	97.9	221
2	0:07:30	3.692	913.8	-5.0	97.9	222
2	0:08:30	3.708	908.8	-5.0	97.9	223
2	0:09:30	3.725	905.0	-3.8	97.9	224
2	0:10:30	3.742	905.0	0.0	98.6	225
2	0:11:30	3.758	898.8	-6.3	98.6	226

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	0:12:30	3.775	896.3	-2.5	98.6	227
2	0:13:30	3.792	893.8	-2.5	98.6	228
2	0:14:30	3.808	901.3	7.5	98.6	229
2	0:15:30	3.825	911.3	10.0	98.6	230
2	0:16:30	3.842	906.3	-5.0	98.6	231
2	0:17:30	3.858	921.3	15.0	98.6	232
2	0:18:30	3.875	921.3	0.0	98.8	233
2	0:19:30	3.892	973.8	52.5	98.8	234
2	0:20:30	3.908	983.8	10.0	98.8	235
2	0:21:30	3.925	986.3	2.5	98.8	236
2	0:22:30	3.942	993.8	7.5	98.8	237
2	0:23:30	3.958	1021.3	27.5	98.8	238
2	0:24:30	3.975	1035.0	13.8	98.8	239
2	0:25:30	3.992	1033.8	-1.3	98.8	240
2	0:26:30	4.008	1033.8	0.0	98.9	241
2	0:27:30	4.025	1036.3	2.5	98.9	242
2	0:28:30	4.042	1036.3	0.0	98.9	243
2	0:29:30	4.058	1036.3	0.0	98.9	244
2	0:30:30	4.075	1036.3	0.0	98.9	245
2	0:31:30	4.092	1036.3	0.0	98.9	246
2	0:32:30	4.108	1035.0	-1.3	98.9	247
2	0:33:30	4.125	1101.3	66.3	98.9	248
2	0:34:30	4.142	1101.3	0.0	98.9	249
2	0:35:30	4.158	31.3	-1070.0	98.9	250
2	0:36:30	4.175	35.0	3.8	98.9	251
2	0:37:30	4.192	37.5	2.5	98.9	252
2	0:38:30	4.208	41.3	3.8	98.9	253
2	0:39:30	4.225	43.8	2.5	98.9	254
2	0:40:30	4.242	46.3	2.5	98.9	255
2	0:41:30	4.258	50.0	3.8	98.9	256
2	0:42:30	4.275	50.0	0.0	99.1	257
2	0:43:30	4.292	56.3	6.3	99.1	258
2	0:44:30	4.308	56.3	0.0	99.1	259
2	0:45:30	4.325	56.3	0.0	99.1	260
2	0:46:30	4.342	58.8	2.5	99.1	261
2	0:47:30	4.358	57.5	-1.3	99.1	262
2	0:48:30	4.375	56.3	-1.3	99.1	263
2	0:49:30	4.392	57.5	1.3	99.1	264
2	0:50:30	4.408	57.5	0.0	99.3	265
2	0:51:30	4.425	57.5	0.0	99.3	266
2	0:52:30	4.442	57.5	0.0	99.3	267
2	0:53:30	4.458	57.5	0.0	99.3	268
2	0:54:30	4.475	56.3	-1.3	99.3	269
2	0:55:30	4.492	57.5	1.3	99.3	270
2	0:56:30	4.508	57.5	0.0	99.3	271
2	0:57:30	4.525	56.3	-1.3	99.3	272

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	0:58:30	4.542	56.3	0.0	99.3	273
2	0:59:30	4.558	56.3	0.0	99.3	274
2	1:00:30	4.575	57.5	1.3	99.3	275
2	1:01:30	4.592	56.3	-1.3	99.3	276
2	1:02:30	4.608	57.5	1.3	99.3	277
2	1:03:30	4.625	57.5	0.0	99.3	278
2	1:04:30	4.642	57.5	0.0	99.3	279
2	1:05:30	4.658	57.5	0.0	99.3	280
2	1:06:30	4.675	57.5	0.0	99.3	281
2	1:07:30	4.692	68.8	11.3	99.3	282
2	1:08:30	4.708	75.0	6.3	99.3	283
2	1:09:30	4.725	81.3	6.3	99.3	284
2	1:10:30	4.742	86.3	5.0	99.3	285
2	1:11:30	4.758	92.5	6.3	99.3	286
2	1:12:30	4.775	97.5	5.0	99.3	287
2	1:13:30	4.792	102.5	5.0	99.3	288
2	1:14:30	4.808	102.5	0.0	99.4	289
2	1:15:30	4.825	113.8	11.3	99.4	290
2	1:16:30	4.842	120.0	6.3	99.4	291
2	1:17:30	4.858	125.0	5.0	99.4	292
2	1:18:30	4.875	130.0	5.0	99.4	293
2	1:19:30	4.892	133.8	3.8	99.4	294
2	1:20:30	4.908	138.8	5.0	99.4	295
2	1:21:30	4.925	143.8	5.0	99.4	296
2	1:22:30	4.942	143.8	0.0	99.6	297
2	1:23:30	4.958	152.5	8.8	99.6	298
2	1:24:30	4.975	157.5	5.0	99.6	299
2	1:25:30	4.992	161.3	3.8	99.6	300
2	1:26:30	5.008	165.0	3.8	99.6	301
2	1:27:30	5.025	168.8	3.8	99.6	302
2	1:28:30	5.042	172.5	3.8	99.6	303
2	1:29:30	5.058	176.3	3.8	99.6	304
2	1:30:30	5.075	176.3	0.0	99.6	305
2	1:31:30	5.092	183.8	7.5	99.6	306
2	1:32:30	5.108	187.5	3.8	99.6	307
2	1:33:30	5.125	191.3	3.8	99.6	308
2	1:34:30	5.142	193.8	2.5	99.6	309
2	1:35:30	5.158	196.3	2.5	99.6	310
2	1:36:30	5.175	200.0	3.8	99.6	311
2	1:37:30	5.192	203.8	3.8	99.6	312
2	1:38:30	5.208	203.8	0.0	99.6	313
2	1:39:30	5.225	208.8	5.0	99.6	314
2	1:40:30	5.242	211.3	2.5	99.6	315
2	1:41:30	5.258	213.8	2.5	99.6	316
2	1:42:30	5.275	217.5	3.8	99.6	317
2	1:43:30	5.292	220.0	2.5	99.6	318

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	1:44:30	5.308	222.5	2.5	99.6	319
2	1:45:30	5.325	225.0	2.5	99.6	320
2	1:46:30	5.342	225.0	0.0	99.6	321
2	1:47:30	5.358	230.0	5.0	99.6	322
2	1:48:30	5.375	232.5	2.5	99.6	323
2	1:49:30	5.392	233.8	1.3	99.6	324
2	1:50:30	5.408	236.3	2.5	99.6	325
2	1:51:30	5.425	238.8	2.5	99.6	326
2	1:52:30	5.442	240.0	1.3	99.6	327
2	1:53:30	5.458	242.5	2.5	99.6	328
2	1:54:30	5.475	242.5	0.0	99.6	329
2	1:55:30	5.492	245.0	2.5	99.6	330
2	1:56:30	5.508	247.5	2.5	99.6	331
2	1:57:30	5.525	248.8	1.3	99.6	332
2	1:58:30	5.542	250.0	1.3	99.6	333
2	1:59:30	5.558	251.3	1.3	99.6	334
2	2:00:30	5.575	253.8	2.5	99.6	335
2	2:01:30	5.592	255.0	1.3	99.6	336
2	2:02:30	5.608	255.0	0.0	99.6	337
2	2:03:30	5.625	257.5	2.5	99.6	338
2	2:04:30	5.642	258.8	1.3	99.6	339
2	2:05:30	5.658	258.8	0.0	99.6	340
2	2:06:30	5.675	232.5	-26.3	99.6	341
2	2:07:30	5.692	52.5	-180.0	99.6	342
2	2:08:30	5.708	61.3	8.8	99.6	343
2	2:09:30	5.725	65.0	3.8	99.6	344
2	2:10:30	5.742	65.0	0.0	99.3	345
2	2:11:30	5.758	62.5	-2.5	99.3	346
2	2:12:30	5.775	62.5	0.0	99.3	347
2	2:13:30	5.792	63.8	1.3	99.3	348
2	2:14:30	5.808	63.8	0.0	99.3	349
2	2:15:30	5.825	63.8	0.0	99.3	350
2	2:16:30	5.842	65.0	1.3	99.3	351
2	2:17:30	5.858	65.0	0.0	99.3	352
2	2:18:30	5.875	65.0	0.0	99.2	353
2	2:19:30	5.892	66.3	1.3	99.2	354
2	2:20:30	5.908	66.3	0.0	99.2	355
2	2:21:30	5.925	66.3	0.0	99.2	356
2	2:22:30	5.942	66.3	0.0	99.2	357
2	2:23:30	5.958	67.5	1.3	99.2	358
2	2:24:30	5.975	67.5	0.0	99.2	359
2	2:25:30	5.992	67.5	0.0	99.2	360
2	2:26:30	6.008	67.5	0.0	99.2	361
2	2:27:30	6.025	68.8	1.3	99.2	362
2	2:28:30	6.042	68.8	0.0	99.2	363
2	2:29:30	6.058	68.8	0.0	99.2	364

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	2:30:30	6.075	68.8	0.0	99.2	365
2	2:31:30	6.092	68.8	0.0	99.2	366
2	2:32:30	6.108	70.0	1.3	99.2	367
2	2:33:30	6.125	68.8	-1.3	99.2	368
2	2:34:30	6.142	68.8	0.0	99.2	369
2	2:35:30	6.158	70.0	1.3	99.2	370
2	2:36:30	6.175	71.3	1.3	99.2	371
2	2:37:30	6.192	72.5	1.3	99.2	372
2	2:38:30	6.208	75.0	2.5	99.2	373
2	2:39:30	6.225	77.5	2.5	99.2	374
2	2:40:30	6.242	80.0	2.5	99.2	375
2	2:41:30	6.258	82.5	2.5	99.2	376
2	2:42:30	6.275	82.5	0.0	99.2	377
2	2:43:30	6.292	88.8	6.3	99.2	378
2	2:44:30	6.308	92.5	3.8	99.2	379
2	2:45:30	6.325	95.0	2.5	99.2	380
2	2:46:30	6.342	97.5	2.5	99.2	381
2	2:47:30	6.358	100.0	2.5	99.2	382
2	2:48:30	6.375	102.5	2.5	99.2	383
2	2:49:30	6.392	105.0	2.5	99.2	384
2	2:50:30	6.408	105.0	0.0	99.2	385
2	2:51:30	6.425	110.0	5.0	99.2	386
2	2:52:30	6.442	111.3	1.3	99.2	387
2	2:53:30	6.458	113.8	2.5	99.2	388
2	2:54:30	6.475	115.0	1.3	99.2	389
2	2:55:30	6.492	117.5	2.5	99.2	390
2	2:56:30	6.508	120.0	2.5	99.2	391
2	2:57:30	6.525	122.5	2.5	99.2	392
2	2:58:30	6.542	122.5	0.0	99.3	393
2	2:59:30	6.558	125.0	2.5	99.3	394
2	3:00:30	6.575	127.5	2.5	99.3	395
2	3:01:30	6.592	128.8	1.3	99.3	396
2	3:02:30	6.608	131.3	2.5	99.3	397
2	3:03:30	6.625	132.5	1.3	99.3	398
2	3:04:30	6.642	133.8	1.3	99.3	399
2	3:05:30	6.658	136.3	2.5	99.3	400
2	3:06:30	6.675	136.3	0.0	99.3	401
2	3:07:30	6.692	138.8	2.5	99.3	402
2	3:08:30	6.708	141.3	2.5	99.3	403
2	3:09:30	6.725	142.5	1.3	99.3	404
2	3:10:30	6.742	143.8	1.3	99.3	405
2	3:11:30	6.758	145.0	1.3	99.3	406
2	3:12:30	6.775	146.3	1.3	99.3	407
2	3:13:30	6.792	147.5	1.3	99.3	408
2	3:14:30	6.808	147.5	0.0	99.3	409
2	3:15:30	6.825	151.3	3.8	99.3	410

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WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	3:16:30	6.842	151.3	0.0	99.3	411
2	3:17:30	6.858	152.5	1.3	99.3	412
2	3:18:30	6.875	155.0	2.5	99.3	413
2	3:19:30	6.892	156.3	1.3	99.3	414
2	3:20:30	6.908	157.5	1.3	99.3	415
2	3:21:30	6.925	158.8	1.3	99.3	416
2	3:22:30	6.942	158.8	0.0	99.3	417
2	3:23:30	6.958	161.3	2.5	99.3	418
2	3:24:30	6.975	161.3	0.0	99.3	419
2	3:25:30	6.992	162.5	1.3	99.3	420
2	3:26:30	7.008	163.8	1.3	99.3	421
2	3:27:30	7.025	165.0	1.3	99.3	422
2	3:28:30	7.042	166.3	1.3	99.3	423
2	3:29:30	7.058	167.5	1.3	99.3	424
2	3:30:30	7.075	167.5	0.0	99.2	425
2	3:31:30	7.092	170.0	2.5	99.2	426
2	3:32:30	7.108	171.3	1.3	99.2	427
2	3:33:30	7.125	171.3	0.0	99.2	428
2	3:34:30	7.142	172.5	1.3	99.2	429
2	3:35:30	7.158	173.8	1.3	99.2	430
2	3:36:30	7.175	175.0	1.3	99.2	431
2	3:37:30	7.192	175.0	0.0	99.2	432
2	3:38:30	7.208	175.0	0.0	99.5	433
2	3:39:30	7.225	1041.3	866.3	99.5	434
2	3:40:30	7.242	1026.3	-15.0	99.5	435
2	3:41:30	7.258	1017.5	-8.8	99.5	436
2	3:42:30	7.275	1023.8	6.3	99.5	437
2	3:43:30	7.292	1021.3	-2.5	99.5	438
2	3:44:30	7.308	1020.0	-1.3	99.5	439
2	3:45:30	7.325	1020.0	0.0	99.5	440
2	3:46:30	7.342	1020.0	0.0	99.1	441
2	3:47:30	7.358	1018.8	-1.3	99.1	442
2	3:48:30	7.375	1018.8	0.0	99.1	443
2	3:49:30	7.392	1025.0	6.3	99.1	444
2	3:50:30	7.408	1025.0	0.0	99.1	445
2	3:51:30	7.425	1025.0	0.0	99.1	446
2	3:52:30	7.442	1025.0	0.0	99.1	447
2	3:53:30	7.458	1025.0	0.0	99.1	448
2	3:54:30	7.475	1025.0	0.0	98.8	449
2	3:55:30	7.492	1023.8	-1.3	98.8	450
2	3:56:30	7.508	1023.8	0.0	98.8	451
2	3:57:30	7.525	1023.8	0.0	98.8	452
2	3:58:30	7.542	1007.5	-16.3	98.8	453
2	3:59:30	7.558	988.8	-18.8	98.8	454
2	4:00:30	7.575	942.5	-46.3	98.8	455
2	4:01:30	7.592	896.3	-46.3	98.8	456

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	4:02:30	7.608	896.3	0.0	98.4	457
2	4:03:30	7.625	842.5	-53.8	98.4	458
2	4:04:30	7.642	832.5	-10.0	98.4	459
2	4:05:30	7.658	790.0	-42.5	98.4	460
2	4:06:30	7.675	761.3	-28.8	98.4	461
2	4:07:30	7.692	773.8	12.5	98.4	462
2	4:08:30	7.708	726.3	-47.5	98.4	463
2	4:09:30	7.725	693.8	-32.5	98.4	464
2	4:10:30	7.742	693.8	0.0	94.4	465
2	4:11:30	7.758	677.5	-16.3	94.4	466
2	4:12:30	7.775	651.3	-26.3	94.4	467
2	4:13:30	7.792	610.0	-41.3	94.4	468
2	4:14:30	7.808	585.0	-25.0	94.4	469
2	4:15:30	7.825	552.5	-32.5	94.4	470
2	4:16:30	7.842	521.3	-31.3	94.4	471
2	4:17:30	7.858	488.8	-32.5	94.4	472
2	4:18:30	7.875	488.8	0.0	85.3	473
2	4:19:30	7.892	422.5	-66.3	85.3	474
2	4:20:30	7.908	392.5	-30.0	85.3	475
2	4:21:30	7.925	358.8	-33.8	85.3	476
2	4:22:30	7.942	330.0	-28.8	85.3	477
2	4:23:30	7.958	330.0	0.0	85.3	478
2	4:24:30	7.975	328.8	-1.3	85.3	479
2	4:25:30	7.992	285.0	-43.8	85.3	480
2	4:26:30	8.008	285.0	0.0	78.6	481
2	4:27:30	8.025	281.3	-3.8	78.6	482
2	4:28:30	8.042	206.3	-75.0	78.6	483
2	4:29:30	8.058	206.3	0.0	78.6	484
2	4:30:30	8.075	206.3	0.0	78.6	485
2	4:31:30	8.092	206.3	0.0	78.6	486
2	4:32:30	8.108	205.0	-1.3	78.6	487
2	4:33:30	8.125	113.8	-91.3	78.6	488
2	4:34:30	8.142	113.8	0.0	76.6	489
2	4:35:30	8.158	58.8	-55.0	76.6	490
2	4:36:30	8.175	58.8	0.0	76.6	491
2	4:37:30	8.192	16.3	-42.5	76.6	492
2	4:38:30	8.208	16.3	0.0	76.6	493
2	4:39:30	8.225	15.0	-1.3	76.6	494
2	4:40:30	8.242	16.3	1.3	76.6	495
2	4:41:30	8.258	15.0	-1.3	76.6	496
2	4:42:30	8.275	15.0	0.0	75.6	497
2	4:43:30	8.292	15.0	0.0	75.6	498
2	4:44:30	8.308	15.0	0.0	75.6	499
2	4:45:30	8.325	15.0	0.0	75.6	500
2	4:46:30	8.342	15.0	0.0	75.6	501
2	4:47:30	8.358	15.0	0.0	75.6	502

896

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	4:48:30	8.375	15.0	0.0	75.6	503
2	4:49:30	8.392	15.0	0.0	75.6	504
2	4:50:30	8.408	15.0	0.0	75.3	505
2	4:51:30	8.425	15.0	0.0	75.3	506
2	4:52:30	8.442	15.0	0.0	75.3	507
2	4:53:30	8.458	15.0	0.0	75.3	508
2	4:54:30	8.475	15.0	0.0	75.3	509
2	4:55:30	8.492	15.0	0.0	75.3	510
2	4:56:30	8.508	15.0	0.0	75.3	511
2	4:57:30	8.525	15.0	0.0	75.3	512
2	4:58:30	8.542	15.0	0.0	75.1	513
2	4:59:30	8.558	15.0	0.0	75.1	514
2	5:00:30	8.575	15.0	0.0	75.1	515
2	5:01:30	8.592	15.0	0.0	75.1	516
2	5:02:30	8.608	15.0	0.0	75.1	517
2	5:03:30	8.625	15.0	0.0	75.1	518
2	5:04:30	8.642	15.0	0.0	75.1	519
2	5:05:30	8.658	15.0	0.0	75.1	520
2	5:06:30	8.675	15.0	0.0	74.7	521
2	5:07:30	8.692	15.0	0.0	74.7	522
2	5:08:30	8.708	15.0	0.0	74.7	523
2	5:09:30	8.725	15.0	0.0	74.7	524
2	5:10:30	8.742	15.0	0.0	74.7	525
2	5:11:30	8.758	15.0	0.0	74.7	526
2	5:12:30	8.775	15.0	0.0	74.7	527
2	5:13:30	8.792	15.0	0.0	74.7	528
2	5:14:30	8.808	15.0	0.0	73.6	529
2	5:15:30	8.825	15.0	0.0	73.6	530
2	5:16:30	8.842	15.0	0.0	73.6	531
2	5:17:30	8.858	15.0	0.0	73.6	532
2	5:18:30	8.875	15.0	0.0	73.6	533
2	5:19:30	8.892	15.0	0.0	73.6	534
2	5:20:30	8.908	15.0	0.0	73.6	535
2	5:21:30	8.925	15.0	0.0	73.6	536
2	5:22:30	8.942	15.0	0.0	72.4	537
2	5:23:30	8.958	16.3	1.3	72.4	538
2	5:24:30	8.975	15.0	-1.3	72.4	539
2	5:25:30	8.992	15.0	0.0	72.4	540
2	5:26:30	9.008	16.3	1.3	72.4	541
2	5:27:30	9.025	16.3	0.0	72.4	542
2	5:28:30	9.042	15.0	-1.3	72.4	543
2	5:29:30	9.058	15.0	0.0	72.4	544
2	5:30:30	9.075	15.0	0.0	70.9	545
2	5:31:30	9.092	16.3	1.3	70.9	546
2	5:32:30	9.108	15.0	-1.3	70.9	547
2	5:33:30	9.125	16.3	1.3	70.9	548

WELL NAME : STATE 10-22 DELAY (Hours): 0

Day	Time HH:MM:SS	Delta Time Hours	Pressure PSIA	dp	Temp F	Record # in the DataFile
2	5:34:30	9.142	16.3	0.0	70.9	549
2	5:35:30	9.158	16.3	0.0	70.9	550
2	5:36:30	9.175	16.3	0.0	70.9	551
2	5:37:30	9.192	16.3	0.0	70.9	552
1	20:26:00	0.000	0.0	-16.3	0.0	553
1	20:26:00	0.000	0.0	0.0	0.0	554
1	20:26:00	0.000	0.0	0.0	0.0	555
1	20:26:00	0.000	0.0	0.0	0.0	556
1	20:26:00	0.000	0.0	0.0	0.0	557
1	20:26:00	0.000	0.0	0.0	0.0	558
1	20:26:00	0.000	0.0	0.0	0.0	559
1	20:26:00	0.000	0.0	0.0	0.0	560
1	20:26:00	0.000	0.0	0.0	0.0	561
1	20:26:00	0.000	0.0	0.0	0.0	562
1	20:26:00	0.000	0.0	0.0	0.0	563
1	20:26:00	0.000	0.0	0.0	0.0	564
1	20:26:00	0.000	0.0	0.0	0.0	565
1	20:26:00	0.000	0.0	0.0	0.0	566
1	20:26:00	0.000	0.0	0.0	0.0	567
1	20:26:00	0.000	0.0	0.0	0.0	568
1	20:26:00	0.000	0.0	0.0	0.0	569
1	20:26:00	0.000	0.0	0.0	0.0	570
1	20:26:00	0.000	0.0	0.0	0.0	571
1	20:26:00	0.000	0.0	0.0	0.0	572
1	20:26:00	0.000	0.0	0.0	0.0	573
1	20:26:00	0.000	0.0	0.0	0.0	574
1	20:26:00	0.000	0.0	0.0	0.0	575
1	20:26:00	0.000	0.0	0.0	0.0	576
1	20:26:00	0.000	0.0	0.0	0.0	577
1	20:26:00	0.000	0.0	0.0	0.0	578
1	20:26:00	0.000	0.0	0.0	0.0	579
1	20:26:00	0.000	0.0	0.0	0.0	580
1	20:26:00	0.000	0.0	0.0	0.0	581
1	20:26:00	0.000	0.0	0.0	0.0	582
1	20:26:00	0.000	0.0	0.0	0.0	583
1	20:26:00	0.000	0.0	0.0	0.0	584
1	20:26:00	0.000	0.0	0.0	0.0	585
1	20:26:00	0.000	0.0	0.0	0.0	586
1	20:26:00	0.000	0.0	0.0	0.0	587
1	20:26:00	0.000	0.0	0.0	0.0	588
1	20:26:00	0.000	0.0	0.0	0.0	589
1	20:26:00	0.000	0.0	0.0	0.0	590
1	20:26:00	0.000	0.0	0.0	0.0	591
1	20:26:00	0.000	0.0	0.0	0.0	592
1	20:26:00	0.000	0.0	0.0	0.0	593
1	20:26:00	0.000	0.0	0.0	0.0	594
1	20:26:00	0.000	0.0			

896

Operator Ridgeway Arizona Oil Corporation

Bond Company: Bank One Arizona Amount: $25,000*

Bond No.: CD#4002111 ($10,000)
CD#4002112 ($15,000)

Date approved: 07/07/94
11/28/94

* Two separate CD's to make up one blanket bond. These 2 CD's are not to be released until all wells covered by the blanket bond have been plugged and abandoned.

Permits covered by this bond:

883
884
885
888
890
891
892
893
895
896
897
898
899
900
901
902
903
904

OPERATOR'S CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL OR GAS FROM LEASE

Federal, State, or Indian Lease Number, or lessor's name if fee lease	Field	Reservoir
13-100125	Wildcat	
Survey or Sec-Twp-Rge	County	State
S22-T10N-R30E	Apache	Arizona
Operator		
Ridgeway AZ Oil Corp.		

ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:

Street	City	State
590 S. White Mtn Dr.	St. Johns,	Arizona
Above named operator authorizes (name of transporter)		
Reliant LTD Holdings		
Transporter's street address	City	State
3700 Kermit Hwy	Odessa	Texas
Field Address		
Apache County Arizona		

Oil, condensate, gas well gas, casinghead gas

To transport 100 % of the CO_2 from said lease

OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:

Name of gatherer	% transported	Product transported

Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change.

This is for well State 10-22-30

The undersigned certifies that the rules and regulations of the State of Arizona Oil & Gas Conservation Commission have been complied with in drilling and producing operations on this lease, except as noted above, and that the above transporter is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property, and that this authorization will be valid until further notice or until cancelled by the State of Arizona Oil & Gas Conservation Commission.

CERTIFICATE: I the undersigned, under the penalty of perjury, state that I am the Operations Manager of the Ridgeway AZ Oil Corp. (company), and that I am authorized by said company to make this report; that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

02-25-02
Date

Signature

Date approved: 2-26-02

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: S L Ravis

Permit No. 896

Mail two copies of completed form to:
Oil & Gas Program Administrator
Arizona Geological Survey
416 W. Congress #100
Tucson, AZ 85701-1315

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Operator's Certificate of Compliance & Authorization to Transport Oil or Gas from Lease
File Two Copies
Form No. 8

2/96

REISSUE

STATE: ARIZONA
COUNTY: APACHE
API: 02-001-20308
FIELD: WILDCAT
WELL CLASS: WF
RIDGEWAY AZ OIL CORP

22-10N-30E
SW SW
660 FSL 660 FWL SEC
STATUS: TA-G

P/N 896

10-22 RIDGEWAY STATE

SPUD : 03/19/1997 COMP : 06/29/1998 RIG REL : 03/29/1997 ELEV : 6891 KB 6878 GR
TD : 2265 (03/27/1997) FM/TD : GRANITE DTD : 2265
CONTR : AZTEC WELL SERVICING RIG # 124 RIG SUB: 13 (VERTICAL)
PROJ DEPTH/FM : 2300 FORT APACHE PERMIT # 896 (ST APPD PMT: 02/18/1997) LEASE TYPE: STATE

2265 DTD COMP:06/29/1998 TA-G; ; REISSUE TO ADD AND CORRECT DATA

LOCATION DATA : 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; ;
CASING : 8 5/8 IN @ 743 W/335 SACK,4 1/2 IN @ 2262 W/791 SACK;
LOG TYPES : GR, CCL, MICL, REST;
LOG TOPS : FORT APACHE 1482, GRANITE 2235;

(OVER)

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(CONTINUED)

SDWL # 001 1482-2235 1482 FT DOLO, SLI-MOD SLTY, TR SDY LAM, TR CALC SCT POR 1483 FT DOLO, SLI-MOD SLTY, TR SDY, SCT POR 1546 FT SS, RDBRN, VFG W/ CONS, MOD- V SLTY, SLTY LAM, INTGR POR 1648 FT SS, RDBRN, VFG W/ CONS, MOD-V SLTY, SLTY LAM, INTGR POR 1649 FT SS, RDBRN, VFG, MOD-W CONS SLTY, SHLY, LAM INTGR POR 1676 FT DOLO, SLI SLTY, MOD-V SDY, GRDG TO SS SCT POR 1758 FT SLTSTN, BRNRD, CONS MOD-V SDY, GYP LAM SCT POR 1763 FT NO ANALYSIS 1785 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2051 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2099 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2106 FT SLTSTN, LTBRN-LT BRNRD, CONS, SLI SDY, SCT GYP, SCT POR 2118 FT SLTSTN, BRNRD-DK RD, W CONS, TR SDY LAM, TR POR 2124 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, SLI-MOD SDY, TR POR 2126 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2157 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2164 FT SLTSTN, LTBRN-LTRDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2197 FT SLTSTN-GRANITIC 2235 FT GRANITE, SL

WEATHERED W/ CONS SCT POR;
DST # 001(FORT APACHE) 1428-1490 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 30 FT WCM SPL REC: 2400 CC WCM; SPL CHAMBER :24 ; IFP 50 FFP 66 IFP 81 FFP 73; ISIP 128 FSIP 112; IHP 707 FHP 696 BHT 89 F DST # 002(FORT APACHE) 1575-1790 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 610 FT HGCM SPL REC: 1200 CC HGCM, 1.25 FT G; SPL CHAMBER :350 ; IFP 272 FFP 398 IFP 317 FFP 372; ISIP 416 FSIP 421; IHP 791 FHP 760 BHT 89 F DST # 003(FORT APACHE) 2054-2265 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 60 FT HGCM SPL REC: 2200 CC HGCM; SPL CHAMBER :40 ; IFP 58 FFP 76 IFP 75 FFP 90; ISIP 258 FSIP 186; IHP 1058 FHP 1047 BHT 98 F
DRLG COMMENTS : AZTECWELL SERVICING #157 COMPLETED.;
PROD TEST(S): # 001 PERF (FORT APACHE) 2070-2224 W/ 1 PF; FRACTURING (2070-2224) GEL 58000 LB SAND AIR 20 BPM
OPER ADD : P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230;

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PI/DWIGHTS PLUS DRILLING WIRE ™
ROCKY MOUNTAIN REGION
Section II - 03/03/2000

PA

INITIAL

REISSUES

FINAL CLASS: WF=UNSUCCESSFUL NEW FIELD WILDCAT; WFD=NEW FIELD DISCOVERY; WD=UNSUCCESSFUL DEEPER POOL WILDCAT; WDD=DEEPER POOL DISCOVERY; WS=UNSUCCESSFUL SHALLOW POOL WILDCAT; WSD=SHALLOW POOL DISCOVERY; WP=UNSUCCESSFUL NEW POOL DEVELOPMENT; WPD=NEW POOL DISCOVERY; WO=UNSUCCESSFUL WILDCAT OUTPOST; WOE=WILDCAT OUTPOST EXTENSION; D=UNSUCESSFUL DEVELOPMENT; DO=DEVELOPMENT OIL WELL; DG=DEVELOPMENT GAS WELL:

P/N 896

ARIZONA / NEVADA

APACHE COUNTY

RIDGEWAY ARIZONA OIL COMPANY
10-22 RIDGEWAY STATE
API 02-001-20308

22-10N-30E
SW SW
660 FSL 660 FWL SEC

WILDCAT; 2300 FORT APACHE PERMIT: 896 (PMT APP'D 02/18/1997) (FR:02/18/1997 FM KMS) LEASE TYPE:STATE; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6891 KB 6878 GR **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **VERTICAL;** — **WF TA-G**

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:03/19/1997 CSG:** 8 5/8 IN @ 743 W/335 SACK,4 1/2 IN @ 2262 W/791 SACK; **DRLG COMMENTS:** AZTECWELL SERVICING #157 COMPLETED.; **LOG TYPES:** GR, CCL, MICL, REST; **LOG TOPS:** FORT APACHE 1482, GRANITE 2235; **RIG REL:** 03/29/1997 **SDWL #** 001 1482-2235 1482 FT DOLO, SLI-MOD SLTY, TR SDY LAM, TR CALC SCT POR 1483 FT DOLO, SLI-MOD SLTY, TR SDY, SCT POR 1546 FT SS, RDBRN, VFG W/ CONS, MOD- V SLTY, SLTY LAM, INTGR POR 1648 FT SS, RDBRN, VFG W/ CONS, MOD-V SLTY, SLTY LAM, INTGR POR 1649 FT SS, RDBRN, VFG, MOD-W CONS SLTY, SHLY, LAM INTGR POR 1676 FT DOLO, SLI SLTY, MOD-V SDY, GRDG TO SS SCT POR 1758 FT SLTSTN, BRNRD, CONS MOD-V SDY, GYP LAM SCT POR 1763 FT NO ANALYSIS 1785 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2051 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2099 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2106 FT SLTSTN, LTBRN-LT BRNRD, CONS, SLI SDY, SCT GYP, SCT POR 2118 FT SLTSTN, BRNRD-DK RD, W CONS, TR SDY LAM, TR POR 2124 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, SLI-MOD SDY, TR POR 2126 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2157 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2164 FT SLTSTN, LTBRN-LTRDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2197 FT SLTSTN-GRANITIC 2235 FT GRANITE, SL WEATHERED W/ CONS SCT POR; **DST #** 001(FORT APACHE) 1428-1490 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 30 FT WCM SPL REC: 2400 CC WCM; SPL CHAMBER :24 ; IFP 50 FFP 66 IFP 81 FFP 73; ISIP 128 FSIP 112; IHP 707 FHP 696 BHT 89 F **DST #** 002(FORT APACHE) 1575-1790 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 610 FT HGCM SPL REC: 1200 CC HGCM, 1.25 FT G; SPL CHAMBER :350 ; IFP 272 FFP 398 IFP 317 FFP 372; ISIP 416 FSIP 421; IHP 791 FHP 760 BHT 89 F **DST #** 003(FORT APACHE) 2054-2265 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 60 FT HGCM SPL REC: 2200 CC HGCM; SPL CHAMBER :40 ; IFP 58 FFP 76 IFP 75 FFP 90; ISIP 258 FSIP 186; IHP 1058 FHP 1047 BHT 98 F **2265 TD,** (GRANITE) (TD REACHED:03/27/1997) **PROD TEST(S): # 001** PERF (FORT APACHE) 2070-2224 W/ 1 PF; FRACTURING (2070-2224) GEL 58000 LB SAND AIR 20 BPM **2265 DTD COMP:06/29/1998 TA-G;** ; REISSUE TO ADD AND CORRECT DATA

RIDGEWAY ARIZONA OIL COMPANY
11-21 RIDGEWAY STATE
API 02-001-20307

21-11N-30E
NE SW
1980 FSL 1980 FWL SEC

UNNAMED; 2300 FORT APACHE PERMIT: 895 (PMT APP'D 02/18/1997) (FR:02/18/1997 FM Update) LEASE TYPE:STATE; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936. (520)337-3230 **EL:** 6931 KB 6918 GR **LOCATION DATA:** 4 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 13 1/2 MI SE ST JOHNS, AZ; **VERTICAL;** — **CO2 CO2**

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:02/21/1997 CSG:** 8 5/8 IN @ 817 W/600 SACK,4 1/2 IN @ 2386 W/600 SACK; **LOG TYPES:** GR, CCL, VD; **LOG TOPS:** FORT APACHE 1652; **SDWL #** 001 FORT APACHE 1681-2372 1681 FT DOLO, SL SLTY, SL-MOD SDY, SHLY, LAM SCAT POR 1723.5 FT SS, RD-BRN,VFG, P CONSOL, SLTY INTGR, POR 1741.5 FT SS RD-BRN, VFG, P CONSOL, SLTY INTGR, POR 1783 FT SLTSTN, RDBRN, SL SDY, P CONSOL, MDY, INTGR POR 1834 FT SLTSTN, RDBRN, SLI SDY, P CONSOL, MDY, INTGR POR 1899 FT SLTSTN, RDBRN, SLI SDY, MOD CONSOL, INTGR POR 1951 FT SLTSTN, SLI SDY, MOD CONSOL, SLI MDY, INTGR POR 2020.5 FT SLTSTN, RDBRN-RD, SLI SDY, MOD-W CONSOL, TR INTGR POR 2021 FT SLTSTN, RDBRN-BRN, SLI SDY, MOD-W CONSOL, TR INTGR POR 2109 FT SLTSTN, RDBRN-BRN, SLI SDY, MOD CONSUL, SLTY LAM, INTGR POR 2268.5 FT SH, BRN-BRNRD, TR SDY, MOD-V SLTY, TR POR 2269 FT SLTSTN, BRNRD, SL-MOD SDY, MOD-W CONSOL, TR INTGR POR 2362.5 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTGR POR 2363 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTGR POR 2372 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTGR POR; **DST #** 001(FORT APACHE) 1610-1664 SHOW OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 400 FT SGCW, 200 FT SGCW SPL REC: 2400 CC W; SPL CHAMBER :39 ; IFP 157 FFP 342 IFP 160 FFP 321; ISIP 343 FSIP 345; IHP 801 FHP 800 BHT 86 F CO2 GAS SHOW, CO2 GAS SHOW, CO2 GAS SHOW **DST #** 002(FORT APACHE) 1665-2410 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 410 FT SGCM, 250 FT HGCW SPL REC: 2200 CC MCW; SPL CHAMBER :130 ; IFP 185 FFP 340 IFP 315 FFP 345; ISIP 367 FSIP 367; IHP 870 FHP 875 BHT 88 F **2410 TD,** (GRANITE WASH) (TD REACHED:03/02/1997) **2386 PBTD PROD TEST(S): # 001** PERF (GRANITE WASH) 2268-2396 W/ 1 PF; FRACTURING (2268-2381) GEL 75000 LB SAND GAS: 1560 MCFD **# 002** PERF (FORT APACHE) 1715-1744 1787-1964 ; FRACTURING (1715-1964) GEL 55000 LB SAND AIR 25 BPM GAS: 898 MCFD **# 003** PERF (FORT APACHE) 1652-1691 W/ 1 PF; GAS: 712 MCFD **PRODUCING INTERVALS DATA: # 001** PERF (FORT APACHE) 1652-1964 W/ 1 PF PERF (GRANITE WASH) 2268-2381 ; GAS: 3170 MCFD FCP 325; **2410 DTD 2386 PB COMP:01/10/1998 # 001 IPF GAS: 3170 MCFD FCP 325 PROD ZONE: PERF (FORT APACHE) 1652-1964 W/ 1 PF PERF (GRANITE WASH) 2268-2381 COMMINGLED.;** ; REISSUE TO ADD AND CORRECT DATA

* * * * * * * * * * * * * * * * * * *

STATE: ARIZONA
COUNTY: APACHE
API: 02-001-20308
FIELD: WILDCAT
WELL CLASS: WF
RIDGEWAY AZ OIL CORP

22-10N-30E
SW SW
660 FSL 660 FWL SEC
STATUS: TA-G

10-22 RIDGEWAY STATE

PI# 896

SPUD : 03/19/1997 COMP : 06/29/1998 RIG REL : 03/29/1997 ELEV : 6891 KB 6878 GR
TD : 2265 (03/27/1997) FM/TD : GRANITE DTD : 2265
CONTR : AZTEC WELL SERVICING RIG # 124 RIG SUB: 13 (VERTICAL)
PROJ DEPTH/FM : 2300 FORT APACHE PERMIT # 896 (ST APPD PMT: 02/18/1997) LEASE TYPE: STATE

2265 DTD COMP:06/29/1998 TA-G;

LOCATION DATA : 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; ;
CASING : 8 5/8 IN @ 743 W/335 SACK,4 1/2 IN @ 2262 W/791 SACK;
LOG TYPES : GR, CCL, MICL, REST;
LOG TOPS : FORT APACHE 1482, GRANITE 2235;

(OVER)

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(CONTINUED)

SDWL # 001 1482-2235 1482 FT DOLO, SLI-MOD SLTY, TR SDY LAM, TR CALC SCT POR 1483 FT DOLO, SLI-MOD SLTY, TR SDY, SCT POR 1546 FT SS, RDBRN, VFG W/ CONS, MOD- V SLTY, SLTY LAM, INTGR POR 1648 FT SS, RDBRN, VFG W/ CONS, MOD-V SLTY, SLTY LAM, INTGR POR 1649 FT SS, RDBRN, VFG, MOD-W CONS SLTY, SHLY, LAM INTGR POR 1676 FT DOLO, SLI SLTY, MOD-V SDY, GRDG TO SS SCT POR 1758 FT SLTSTN, BRNRD, CONS MOD-V SDY, GYP LAM SCT POR 1763 FT NO ANALYSIS 1785 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2051 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2099 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2106 FT SLTSTN, LTBRN-LT BRNRD, CONS, SLI SDY, SCT GYP, SCT POR 2118 FT SLTSTN, BRNRD-DK RD, W CONS, TR SDY LAM, TR POR 2124 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, SLI-MOD SDY, TR POR 2126 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2157 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2164 FT SLTSTN, LTBRN-LTRDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2197 FT SLTSTN-GRANITIC 2235 FT GRANITE, SL WEATHERED W/ CONS SCT POR;
DST # 001(FORT APACHE) 1428-1490 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 30 FT WCM SPL REC: 2400 CC WCM; SPL CHAMBER :24 ; IFP 50 FFP 66 IFP 81 FFP 73; ISIP 128 FSIP 112; IHP 707 FHP 696 BHT 89 F DST # 002(FORT APACHE) 1575-1790 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 610 FT HGCM SPL REC: 1200 CC HGCM, 1.25 FT G; SPL CHAMBER :350 ; IFP 272 FFP 398 IFP 317 FFP 372; ISIP 416 FSIP 421; IHP 791 FHP 760 BHT 89 F DST # 003(FORT APACHE) 2054-2265 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 60 FT HGCM SPL REC: 2200 CC HGCM; SPL CHAMBER :40 ; IFP 58 FFP 76 IFP 75 FFP 90; ISIP 258 FSIP 186; IHP 1058 FHP 1047 BHT 98 F
DRLG COMMENTS : AZTECWELL SERVICING #157 COMPLETED.;
PROD TEST(S): # 001 PERF (FORT APACHE) 2070-2224 W/ 1 PF; FRACTURING (2070-2224) GEL 58000 LB SAND AIR 20 BPM
OPER ADD : P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230;

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COMPLETIONS

FINAL CLASS: WF=UNSUCCESSFUL NEW FIELD WILDCAT; WFD=NEW FIELD DISCOVERY; WD=UNSUCCESSFUL DEEPER POOL WILDCAT; WDD=DEEPER POOL DISCOVERY; WS=UNSUCCESSFUL SHALLOW POOL WILDCAT; WSD=SHALLOW POOL DISCOVERY; WP=UNSUCCESSFUL NEW POOL DEVELOPMENT; WPD=NEW POOL DISCOVERY; WO=UNSUCCESSFUL WILDCAT OUTPOST; WOE=WILDCAT OUTPOST EXTENSION; D=UNSUCESSFUL DEVELOPMENT; DO=DEVELOPMENT OIL WELL; DG=DEVELOPMENT GAS WELL;

ARIZONA / NEVADA

APACHE COUNTY

RIDGEWAY ARIZONA OIL COMPANY
9-22-29 RIDGEWAY
API 02-001-20310

22-9N-29E
SW SE
1091 FSL 2674 FWL SEC

WILDCAT; 2400 FORT APACHE PERMIT: 898 (PMT APP'D 03/13/1997) (FR:03/17/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 7190 KB 7177 GR **LOCATION DATA:** 15 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 6 MI N SPRINGERVILLE, AZ; **VERTICAL; WELL ID CHANGES:** FTG CHGD FROM 1320 FSL 1320 FWL., SPOT CHGD FROM C SW., ELEV CHGD FROM 1746 GR.

WF TA-G

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:03/30/1997 CSG:** 8 5/8 IN @ 1136 W/600 SACK,4 1/2 IN @ 3174 W/600 SACK; **DRLG COMMENTS:** AZTECWS #157 COMPLETED.; **LOG TYPES:** POR 65-3165, LITH 65-3165, REST 1138-3175, MICL 1138-3165, MRIL 1350-3173; **LOG TOPS:** FORT APACHE 2222; **3180 TD,** (FORT APACHE) (TD REACHED:04/06/1997) BHT: 113F **PROD TEST(S): # 001** PERF (FORT APACHE) 2607-3164 ; FRACTURING (2607-3164) 37000 LB SAND **# 002** PERF (FORT APACHE) 2336-2562 ; FRACTURING (2336-2562) 57000 LB SAND **# 003** PERF (FORT APACHE) 2222-2296 ; **3180 DTD COMP:06/17/1998 TA-G; , NO DST RUN**

RIDGEWAY ARIZONA OIL COMPANY
9-21 RIDGEWAY STATE
API 02-001-20309

21-9N-31E
SW NE
1980 FNL 1980 FEL SEC

WILDCAT; 2300 FORT APACHE PERMIT: 897 (PMT APP'D 02/28/1997) (FR:03/03/1997 FM KMS) LEASE TYPE:STATE; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 7211 KB 7198 GR **LOCATION DATA:** 10 1/2 MI E-NE SPRINGERVILLE, AZ 17 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC NE 3-11N-29E; **VERTICAL;**

WF TA-G

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:03/06/1997 CSG:** 8 5/8 IN @ 1285 W/345 SACK,4 1/2 IN @ 2683 W/459 SACK; **DRLG COMMENTS:** AZTECWS #157 COMPLETED.; **LOG TYPES:** CCL, VD, GR; **LOG TOPS:** FORT APACHE 1853; **DST** # 001(FORT APACHE) 1860-1964 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 925 FT MCW SPL REC: 2400 CC W; IFP 81 FFP 385 IFP 391 FFP 465; ISIP 478 FSIP 478; IHP 887 FHP 880 BHT 116 F **DST** # 002(FORT APACHE) 1963-2160 NO OP 30 MIN SI 60 MIN OP 60 MIN SI 60 MIN; PIPE REC: 600 FT WCM, 450 FT MCW SPL REC: 2400 CC W; SPL CHAMBER :15 ; IFP 96 FFP 421 IFP 426 FFP 507; ISIP 522 FSIP 522; IHP 876 FHP 836 BHT 112 F **2686 TD,** (GRANITE WASH) (TD REACHED:03/18/1997) **PROD TEST(S): # 001** PERF (GRANITE WASH) 2489-2659 W/ 2 PF; FRACTURING (2489-2659) 55000 LB SAND GAS: 572 MCFD FTP 95; **# 002** PERF (GRANITE WASH) 2489-2659 ; GAS: 997 MCFD FTP 100; **# 003** PERF (FORT APACHE) 1942-2147 W/ 2 PF; FRACTURING (1942-2147) 107000 LB SAND **# 004** PERF (GRANITE WASH) 2489-2659 ; 10/10/98 FLOWED 259 MCFGPD (99% CO2, .801% NITROGEN, .055% HELIUM); 10/27/98 FLOWED 0 MCFGPD. **2686 DTD COMP:10/30/1998 TA-G;**

RIDGEWAY ARIZONA OIL COMPANY
10-26-29 RIDGEWAY STATE
API 02-001-20315

26-10N-29E
NW SW
2260 FSL 1206 FWL SEC

WILDCAT; 2300 FORT APACHE PERMIT: 903 (PMT APP'D 04/08/1997) (FR:04/10/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6945 KB 6932 GR **LOCATION DATA:** 10 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 12 MI NE SPRINGERVILLE, AZ; **VERTICAL;**

WF D&A-G

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:04/18/1997 CSG:** 8 5/8 IN @ 1098 W/600 SACK,4 1/2 IN @ 3189 W/660 SACK; **DRLG COMMENTS:** AZTECWS #157 COMPLETED.; **LOG TYPES:** CBND, POR, LITH; **LOG TOPS:** SAN ANDRES 880, GLORIETA /SD/ 1176, SUPAI 1400, FORT APACHE 2020; **SDWL #** 001 FORT APACHE 1900-3118 1900 FT CO2 1901 FT CO2 1987 FT CO2 2083 FT CO2 2156 FT CO2 2176 FT CO2 2188 FT CO2 2200 FT CO2 2201 FT CO2 2267 FT CO2 2349 FT CO2 2474 FT CO2 2617 FT CO2 2712 FT CO2 3038 FT CO2 3082 FT CO2 3096 FT CO2 3100 FT CO2 3115 FT CO2 3118 FT; **3202 TD,** (FORT APACHE) (TD REACHED:04/30/1997) **3202 DTD COMP:06/30/1998 D&A-G; , NO DST RUN**

P/N 896

RIDGEWAY ARIZONA OIL COMPANY
10-22 RIDGEWAY STATE
API 02-001-20308

22-10N-30E
SW SW
660 FSL 660 FWL SEC

WILDCAT; 2300 FORT APACHE PERMIT: 896 (PMT APP'D 02/18/1997) (FR:02/18/1997 FM KMS) LEASE TYPE:STATE; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6891 KB 6878 GR **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **VERTICAL;**

WF TA-G

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:03/19/1997 CSG:** 8 5/8 IN @ 743 W/335 SACK,4 1/2 IN @ 2262 W/791 SACK; **DRLG COMMENTS:** AZTECWELL SERVICING #157 COMPLETED.; **LOG TYPES:** GR, CCL, MICL, REST; **LOG TOPS:** FORT APACHE 1482, GRANITE 2235; **RIG REL:** 03/29/1997 **SDWL #** 001 1482-2235 1482 FT DOLO, SLI-MOD SLTY, TR SDY LAM, TR CALC SCT POR 1483 FT DOLO, SLI-MOD SLTY, TR SDY, SCT POR 1546 FT SS, RDBRN, VFG W/ CONS, MOD- V SLTY, SLTY LAM, INTGR POR 1648 FT SS, RDBRN, VFG W/ CONS, MOD-V SLTY, SLTY LAM, INTGR POR 1649 FT SS, RDBRN, VFG, MOD-W CONS SLTY, SHLY, LAM INTGR POR 1676 FT DOLO, SLI SLTY, MOD-V SDY, GRDG TO SS SCT POR 1758 FT SLTSTN, BRNRD, CONS MOD-V SDY, GYP LAM SCT POR 1763 FT NO ANALYSIS 1785 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2051 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, TR-SL SDY, TR POR 2099 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2106 FT SLTSTN, LTBRN-LT BRNRD, CONS, SLI SDY, SCT GYP, SCT POR 2118 FT SLTSTN, BRNRD-DK RD, W CONS, TR SDY LAM, TR POR 2124 FT SLTSTN, LTBRN-LT RDBRN W/ CONS, SLI-MOD SDY, TR POR 2126 FT SLTSTN, BRNRD-DK RD W/ CONS, TR SDY LAM, TR POR 2157 FT SLTSTN, LT BRN-LT RDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2164 FT SLTSTN, LTBRN-LTRDBRN W/ CONS, SL SDY, SL GYP, TR-SCT POR 2197 FT SLTSTN-GRANITIC 2235 FT GRANITE, SL WEATHERED W/ CONS SCT POR; **DST #**

COMPLETIONS

ARIZONA / NEVADA-APACHE COUNTY CONTINUED

001(FORT APACHE) 1428-1490 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 30 FT WCM SPL REC: 2400 CC WCM; SPL CHAMBER :24 ; IFP 50 FFP 66 IFP 81 FFP 73; ISIP 128 FSIP 112; IHP 707 FHP 696 BHT 89 F **DST** # 002(FORT APACHE) 1575-1790 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 610 FT HGCM SPL REC: 1200 CC HGCM, 1.25 FT G; SPL CHAMBER :350 ; IFP 272 FFP 398 IFP 317 FFP 372; ISIP 416 FSIP 421; IHP 791 FHP 760 BHT 89 F **DST** # 003(FORT APACHE) 2054-2265 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 60 FT HGCM SPL REC: 2200 CC HGCM; SPL CHAMBER :40 ; IFP 58 FFP 76 IFP 75 FFP 90; ISIP 258 FSIP 186; IHP 1058 FHP 1047 BHT 98 F **2265 TD,** (GRANITE) (TD REACHED:03/27/1997) **PROD TEST(S): # 001** PERF (FORT APACHE) 2070-2224 W/ 1 PF; FRACTURING (2070-2224) GEL 58000 LB SAND AIR 20 BPM **2265 DTD COMP:06/29/1998 TA-G;**

RIDGEWAY ARIZONA OIL COMPANY
3-1 STATE 13-53-601
API 02-001-20299

3-11N-29E
NE SE
3566 FNL 514 FEL SEC

UNNAMED; 2500 FORT APACHE PERMIT: 884 (FR:01/30/1995 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6730 KB 6726 GR **LOCATION DATA:** 10 MI SE ST JOHNS, AZ 4 MI S CO2 GAS DISC (UNNAMED)(SW 15-12N-29E); **VERTICAL;**

WFD
GAS

CONTR: SMITH WAYNE DRILLING, **RIG # 1; SPUD:08/21/1995 CSG:** 9 5/8 IN @ 133 W/90 SACK,7 IN @ 764 W/150 SACK,4 1/2 IN @ 1805 W/115 SACK; **DRLG COMMENTS:** AZTECWELL SERVICE #157 COMPLETED; **LOG TYPES:** DLL, SPCT, DENL, DSN; **LOG TOPS:** SAN ANDRES 236, GLORIETA /SD/ 543, SUPAI 700, FORT APACHE 1427; **1813 TD,** (FORT APACHE) (TD REACHED:09/02/1995) **1805 PBTD PRODUCING INTERVALS DATA: # 001** PERF (FORT APACHE) 1536-1676 W/ 4 PF; NATURAL GAS: 634 MCFD FCP 90 SICP 400; GAS CONT: CO22/4/00 FLOWED 418 MCFGPD (99.2% CO2, .616% HELIUM, .137% METHANE) **1813 DTD 1805 PB COMP:09/13/1995 # 001 IPF GAS: 634 MCFD 32/64 FCP 90 SICP 400 PROD ZONE: PERF (FORT APACHE) 1536-1676 W/ 4 PF ; , NO DST RUN ; FORT APACHE DISCOVERY - NEW FIELD**

RIDGEWAY ARIZONA OIL COMPANY
11-21 RIDGEWAY STATE
API 02-001-20307

21-11N-30E
NE SW
1980 FSL 1980 FWL SEC

UNNAMED; 2300 FORT APACHE PERMIT: 895 (PMT APP'D 02/18/1997) (FR:02/18/1997 FM Update) LEASE TYPE:STATE; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6931 KB 6918 GR **LOCATION DATA:** 4 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 13 1/2 MI SE ST JOHNS, AZ; **VERTICAL;**

CO2
CO2

CONTR: AZTEC WELL SERVICING, **RIG # 124; SPUD:02/21/1997 CSG:** 8 5/8 IN @ 817 W/600 SACK,4 1/2 IN @ 2386 W/600 SACK; **LOG TYPES:** GR, CCL, VD; **LOG TOPS:** FORT APACHE 1652; **SDWL** # 001 FORT APACHE 1681-2372 1681 FT DOLO, SL SLTY, SL-MOD SDY, SHLY, LAM SCAT POR 1723.5 FT SS, RD-BRN,VFG, P CONSOL, SLTY INTGR, POR 1741.5 FT SS RD-BRN, VFG, P CONSOL, SLTY INTGR, POR 1783 FT SLTSTN, RDBRN, SL SDY, P CONSOL, MDY, INTGR POR 1834 FT SLTSTN, RDBRN, SLI SDY, P CONSOL, MDY, INTGR POR 1899 FT SLTSTN, RDBRN, SLI SDY, MOD CONSOL, INTGR POR 1951 FT SLTSTN, SLI SDY, MOD CONSOL, SLI MDY, INTGR POR 2020.5 FT SLTSTN, RDBRN-RD, SLI SDY, MOD-W CONSOL, TR INTGR POR 2021 FT SLTSTN, RDBRN-BRN, SLI SDY, MOD-W CONSOL, TR INTGR POR 2109 FT SLTSTN, RDBRN-BRN, SLI SDY, MOD CONSUL, SLTY LAM, INTGR POR 2268.5 FT SH, BRN-BRNRD, TR SDY, MOD-V SLTY, TR POR 2269 FT SLTSTN, BRNRD, SL-MOD SDY, MOD-W CONSOL, TR INTGR POR 2362.5 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTGR POR 2363 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTGR POR 2372 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTGR POR; **DST** # 001(FORT APACHE) 1610-1664 SHOW OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 400 FT SGCW, 200 FT SGCW SPL REC: 2400 CC W; SPL CHAMBER :39 ; IFP 157 FFP 342 IFP 160 FFP 321; ISIP 343 FSIP 345; IHP 801 FHP 800 BHT 86 F CO2 GAS SHOW, CO2 GAS SHOW, CO2 GAS SHOW **DST** # 002(FORT APACHE) 1665-2410 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 410 FT SGCM, 250 FT HGCW SPL REC: 2200 CC MCW; SPL CHAMBER :130 ; IFP 185 FFP 340 IFP 315 FFP 345; ISIP 367 FSIP 367; IHP 870 FHP 875 BHT 88 F **2410 TD,** (GRANITE WASH) (TD REACHED:03/02/1997) **2386 PBTD PROD TEST(S): # 001** PERF (GRANITE WASH) 2268-2396 W/ 1 PF; FRACTURING (2268-2381) GEL 75000 LB SAND GAS: 1560 MCFD **# 002** PERF (FORT APACHE) 1715-1744 1787-1964 ; FRACTURING (1715-1964) GEL 55000 LB SAND AIR 25 BPM GAS: 898 MCFD **# 003** PERF (FORT APACHE) 1652-1691 W/ 1 PF; GAS: 712 MCFD **PRODUCING INTERVALS DATA: # 001** PERF (FORT APACHE) 1652-1964 W/ 1 PF PERF (GRANITE WASH) 2268-2381 ; GAS: 3170 MCFD FCP 325; **2410 DTD 2386 PB COMP:01/10/1998 # 001 IPF GAS: 3170 MCFD FCP 325 PROD ZONE: PERF (FORT APACHE) 1652-1964 W/ 1 PF PERF (GRANITE WASH) 2268-2381 COMMINGLED.;**

RIDGEWAY ARIZONA OIL COMPANY
12-16-28 RIDGEWAY STATE
API 02-001-20314

16-12N-28E
NW NE
1215 FNL 1991 FEL SEC

WILDCAT; 2150 FORT APACHE PERMIT: 902 (PMT APP'D 04/08/1997) (FR:04/10/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6000 KB 5987 GR **LOCATION DATA:** 2 MI SW ST JOHNS, AZ 7 1/2 MI W UNNAMED FLD(FORT APACHE)CO2 DISC 15-12N-29E; **VERTICAL;**

WO
TA-G

CONTR: AZTEC WELL SERVICING, **RIG # 124; SPUD:05/21/1997 CSG:** 8 5/8 IN @ 1154 W/677 SACK,4 1/2 IN @ 2272 W/560 SACK; **LOG TYPES:** GR 50-2185; **LOG TOPS:** GLORIETA /SD/ 460, FORT APACHE 1340; **2274 TD,** (FORT APACHE) (TD REACHED:05/25/1997) **PROD TEST(S): # 001** PERF (FORT APACHE) 1340-1370 W/ 1 PF; ACID (1340-1370) W/ 2000 GAL ACID 15% HCL **2274 DTD COMP:10/23/1998 TA-G; , NO DST RUN**

RIDGEWAY ARIZONA OIL COMPANY
12-15-30 RIDGEWAY
API 02-001-20312

15-12N-30E
NE SW
1980 FSL 1980 FWL SEC

WILDCAT; 2400 FORT APACHE PERMIT: 900 (FR:03/17/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 6724 KB 6711 GR **LOCATION DATA:** 10 1/2 MI E-SE ST JOHNS, AZ 5 MI E UNNAMED FLD(FORT APACHE)CO2 GAS DISC 15-12N-29E; **VERTICAL;**

WF
TA

CONTR: AZTEC WELL SERVICING, **RIG # 124; SPUD:05/08/1997 CSG:** 8 5/8 IN @ 1263 W/668 SACK,4 1/2 IN @ 2590 W/600 SACK; **LOG TYPES:** CNDL 60-2510, AISF 1600-2537; **LOG TOPS:** GLORIETA /SD/ 850, SUPAI 1082, FORT APACHE 1760, GRANITE WASH 2495; **2595 TD,** (GRANITE WASH) (TD REACHED:05/14/1997) **PROD TEST(S): # 001** PERF (FORT APACHE) 1848-1852 1858-1872 1904-1912 1926-1935 1953-1956 1964-1970 W/ 1 PF; WTR: 52 BBL **# 002** PERF (FORT APACHE) 1784-1812 ; GAS: TSTM WTR: 52 BBL GAS CONT: CO2 **# 003** PERF (FORT APACHE) 1752-1753 ; **2595 DTD COMP:10/30/1998 TA; , NO DST RUN**

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

January 24, 2000

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

896

Re: Wells 3-1, 22-1X, 11-21, 10-22, 9-21, 10-16-31, and 12-15-30 State

Dear Mr. White:

Dr. Nations, on behalf of the Oil and Gas Conservation Commission, has granted your request to extend temporary abandonment of the referenced wells through January 2001.

Sincerely,

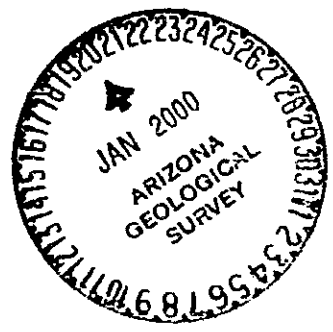
Steven L. Rauzi
Oil & Gas Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

Ridgeway
Arizona Oil Corporation

896

Tuesday, January 18, 2000



Mr. Steve Rauzi
Oil & Gas Administrator
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701

Re: Extension for temporary abandonment status

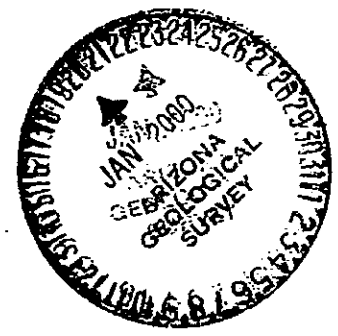
Dear Mr. Rauzi:

We are requesting temporary abandonment status for the following wells: 3-1 State (permit 884), 22-1x State (permit 888) , 11-21 State (permit 895), 10-22 State (permit 896), 9-21 State (permit 897), 10-16 State (permit 899), 12-15 Sttate (permit 900).

Also we are still waiting for response from the State Land Department concerning wells 9-22 (permit 898), 12-16 (permit 902) as to whether they will be converted to water well use or plugged.

Sincerely,

Thomas White
Production Manager



C Larry Fellows, Director
Dale Nations, Chairman, Oil and Gas Conservation Commission

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

January 12, 2000

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

PIN 896

Re: Status of Shut-in Wells

Dear Mr. White:

This letter is a reminder that the extension granted to your 7 shut-in wells is set to expire this month. Procedures for extending the confidential status are provided in A.A.C. R12-7-125.

Sincerely,

Steven L. Rauzi
Oil & Gas Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

May 13, 1999

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

896

Re: Status of Shut-in Wells

Dear Mr. White:

This will confirm the Oil and Gas Conservation Commission's decision of May 7, 1999, regarding the status through January 2000 of Ridgeway's 10 shut-in wells.

1. The Commission granted extension of shut-in status for the 7 wells located on active leases. These include wells 3-1 State (Permit 884), 22-1X State (888), 11-21 State (895), 10-22 State (896), 9-21 State (897), 10-16-31 State (899), and 12-15-30 State (900).

2. The Commission did not grant an extension for the 3 wells located on leases released by Ridgeway. These include wells 9-22-29 State (898), 12-16-28 State (902), and 10-26-29 State (903).

As you know, A.A.C. R12-7-125 requires the 3 wells not granted an extension to be plugged and abandoned or converted to water well use pursuant to A.A.C. R12-7-129 before Ridgeway's performance bond may be released on the wells.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

March 12, 1999

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

874

Re: Status of temporary abandonment

Dear Mr. White:

You may recall that the Oil and Gas Conservation Commission brought the referenced matter up at its January 15, 1999, meeting. For some reason, the matter was delayed until a later part of the meeting but was not brought up again.

As a result, I have no decision to report at this time. The current shut-in status of your wells will continue until the Commission's next meeting on May 7, 1999.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

Ridgeway
Arizona Oil Corporation

Thursday, March 04, 1999

Mr. Steve Rauzi
Az. Geological Survey
Suite 100
416 W. Congress
Tucson, 85701

Re: Status of temporary abandonment

Dear Mr. Rauzi,

On Jan. 20 1999 Ridgeway AZ Oil Corp requested to temporarily abandon well permit numbers: 888, 895, 897, 896, 898, 898, 899, 900, 902, 884, 903. To date we have not heard back form the Oil and Gas Commission concerning their decision.

Please inform us in writing of their decision, also if there are any questions as to the above-mentioned wells please call.

Respectfully,

Thomas White
Production Mgr. RAOC

Cc: Mike Rice, AZ State Land Dept.

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 58[illegible] 3522

Ridgeway
Arizona Oil Corporation

Wednesday, January 20, 1999
Mr. Steve Rauzi
Az. Geological Survey
Suite 100
416 W. Tucson, 85701

RE: Request of temporary abandonment status for State Permit #'s 884, 888, 895, 896, 897, 898, 899, 900, 902 and 903

Dear Mr. Rauzi:

We are requesting that temporary abandonment status be extended to the above-mentioned wells, as was mentioned in my letter dated Jan. 05, 1999 these wells have well-bore skin damage and warrant further testing and evaluation.

If there are any questions concerning this matter please advise.

Sincerely,
Ridgeway AZ. Oil Corp.

Thomas White
Production Manager

Cc: Mike Rice
Andrew Hurwitz

JAN 1999
ARIZONA
GEOLOGICAL
SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

Ridgeway
Arizona Oil Corporation

Tuesday, January 05, 1999
Mr. Steve Rauzi
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, AZ. 85701

896

Dear Mr. Rauzi:

I've included the test results from 3-1 also from 10-16, as stated per our phone conversation yesterday 11-21 is the last well we have ready for test, 9-22, 10-22, 12-15, 12-16, 10-26 these wells all need remedial work before they can be tested.

Also through our engineering study on the reservoir we have extensive skin damage in all of our wells that will require further testing and evaluation.

If there are any further questions please advise

Sincerely,
Ridgeway AZ Oil Corp.

Thomas White
Production Manager R.A.O.C.

JAN 1999
ARIZONA GEOLOGICAL SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

December 21, 1998

file 896

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Re: Completion testing of Arizona wells Nos. 11-21, 10-22, 9-22-29, 10-16-31, 12-15-30, 12-16-28, and 10-26-29.

Dear Mr. White:

You had indicated in August that you expected to complete flow and build up testing your wells in Arizona by the end of this year. To date, we have received a flow test for the 22-1X well and a flow and build up test for the 9-21 well.

Have you completed the flow and build up testing for the rest of your wells as you had indicated and when may we expect to receive the results?

We look forward to receiving the results for the rest of your wells.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist

Ridgeway
Arizona Oil Corporation

Friday, October 30, 1998

file 896

Mr. Steve Rauzi
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Az. 85701

Re: Amended Completion Reports

Dear Mr. Rauzi:

Included with this letter are the amended completion reports, after reviewing the files I have seen the inconsistencies in information on the original Completion Reports, the included reports are dated and the information changed to supercede the existing reports. I apologize for any inconveniences this may have caused

Sincerely,

Thomas White
Production Manager

OCT 1998
ARIZONA GEOLOGICAL SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

October 30, 1998

file 896

Memo: To files 896 and 902
From: Steve Rauzi SR
Re: Inconsistent information on Sundry and Completion Reports

Tom White of Ridgeway Arizona Oil Corp called today:

Regarding the 10-22 State (Permit 896):

The interval 2024-2070 ft on the Sundry Notice is a typo error

Regarding the 12-16-28 State (Permit 902):

He simply failed to list the acid job on the Completion Report. They set a packer below and above the perforations

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

October 23, 1998

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

file 896

Re: Inconsistent information on Completion Reports and Sundry Notices

Dear Mr. White:

Please note the following inconsistent information on Completion Reports and Sundry Notices submitted to this office by Ridgeway Arizona Oil Corporation:

1. 11-21 State (Permit #895) The perforation intervals 1652-1691' and 1715-1744' shown on the sundry notices are not shown in the perforation section of the completion report.

2. 10-22 State (Permit #896) The perforation interval 2024-2070' shown on the sundry notice is not shown in the perforation section of the completion report.

3. 9-21 State (Permit #897) **(a)** The 4 1/2" casing is reportedly set at 2242' on the sundry notice and reportedly set at 2147' on the completion report. The completion report shows perforations from 1926-2397' and 2489-2659', below the depth of the casing. **(b)** The interval 1853-1870' listed in the producing interval section of the completion report is not listed as being perforated in the perforation section of the completion report. **(c)** Stimulation with 107,000# of sand is shown on the sundry notice whereas stimulation with 55,000# of sand is shown on the completion report.

4. 12-15-30 State (Permit #900) **(a)** The perforation interval 1752-1753' is shown to have been cemented with 100 sacks of cement on the sundry notice and 360 sacks of cement on the completion report. **(b)** The perforation interval 1843-1970' is shown to have been cemented with 519 sacks of cement on the completion report and 100 sacks of cement on the sundry notice.

5. 12-16-28 State (Permit #902) The perforation interval 1340-1370' is reported to have been stimulated with acid with a packer below the

perforations in the sundry notice whereas this interval is not shown to have been stimulated on the completion report.

Please clarify the inconsistent information by submitting amended reports to this office no later than November 30, 1998. Do not hesitate to call if you have any questions.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
Oil and Gas Conservation Commission: J. Dale Nations, Chairman
Donald W. Clay
James C. Lanshe
Zed Veale
J. Dennis Wells, Land Commissioner
Lisa C. Worthington, Vice-chair

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

July 21, 1998

896

Don Riggs
Vice President of Operations
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, AZ 85936

Dear Mr. Riggs,

After conferring with the Arizona Attorney General's Office, I find that that the Arizona Oil and Gas Conservation Commission cannot grant your request to extend the confidential status of Ridgeway's carbon dioxide wells in Apache County, Arizona. The two year confidential status that is granted for geothermal wells is not relevant to carbon dioxide or other natural gas wells. Arizona Revised Statute No. 27-522 specifies a six-month confidential status for oil and natural gas wells, which is consistent with well-established standards of the oil and gas industry.

The Arizona Oil and Gas Conservation Commission has been supportive of Ridgeway's development and will continue to be. However the Commission must comply with state law and make information on the wells available to the public on July 24, 1998.

Sincerely,

J. Dale Nations, Chairman

copy:
Dr. Larry Fellows, Director of Arizona Geological Survey
Jay Skardon, Arizona Attorney General's Office

Ridgeway
Arizona Oil Corporation

July 14, 1998

Arizona Geological Survey
416 W. Congress
Suite 100
Tucson, AZ 85701

Attn: Mr. Steve Rauzi
Oil & Gas Program Administrator

RE: **Confidential Status** **Certified Mail: Z 444 756 601**

Dear Mr. Rauzi:

Ridgeway Arizona Oil Corporation (Ridgeway) is in receipt of your letter of July 10, 1998, refusing to extend the confidential status of our development. Past conversations with Dr. Fellows indicated that upon written request for Confidential Extension, this could be done.

Ridgeway has approximately 250,000 acres leased in Apache County Arizona, for future development. Due to the size of this field, it will require one (1) to two (2) years of reservoir studies, state and federal agency requirements, mainly EIS and unitization. These actions are on going and could take up to two (2) years to complete.

Ridgeway requires Confidential Agreements with all parties involved in any negotiations with the company. Release of geological information by the State of Arizona could prove to be a deterrent to the future of Ridgeway.

JUL 1998
ARIZONA GEOLOGICAL SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

Ridgeway
Arizona Oil Corporation

Ridgeway respectfully request the Commission to reconsider the two (2) years Confidential Status granted to geothermal wells, (Arizona Administrative Code R 12-7-121 sub part D) to carbon dioxide/helium wells.

Sincerely,

RIDGEWAY AZ OIL CORP.

Don Riggs
Vice President of Operations

DR:ct

Cc: Larry D. Fellows, Director & State Geologist
J. Dale Nations, Chairman, Oil & Gas Conservation
Mike Rice, Manager Minerals Section
Mark Steadman, Attorney General
Murray Snow, Ridgeway Attorney
Walter Ruck, Ridgeway Petroleum Corp.

Rauzi.ltr.7-14-98

JUL 1998
ARIZONA GEOLOGICAL SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

July 10, 1998

Mr. Thomas White
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Re: Wells 22-1X State (State Permit #888), 11-21 State (895), 10-22 State (896), 9-21 State (897), 9-22-29 State (898), 10-16-31 State (899), 12-15-30 State (900), 13-36-29 State (901), 12-16-28 State (902), and 10-26-29 State (903).

Dear Mr. White:

Please be advised that the Commission is not able to extend the confidential status for the referenced wells beyond July 23, 1998.

Please advise if we may be of further assistance.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

Ridgeway
Arizona Oil Corporation

556

Monday, July 06, 1998

Mr. Steve Rauzi
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, AZ. 85701

Dear Steve:

This letter is in regards to the release of confidential status (R12-7-121,D.) on July23. We would like to request an extension on this confidential status, in past conversation between Larry Fellows And yourself you seemed to indicate that in written form it was possible to gain an extension. Ridgeway would like to request a two year extension due to the fact we are in contract negotiations that could take up to a year.

If there are any further questions please advise

Sincerely,
Ridgeway AZ Oil Corp.

Thomas White
Production Manager R.A.O.C.

Cc: Larry Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Commission
Mike Rice, Minerals Manager, State Land Dept.
Kenneth Rosen, State Land Dept
Marc Steadman, Office of Attorney General

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

June 26, 1998

Mr. Thomas White
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

896

Re: Wells 11-21 State (Permit #895), 10-22 State (896), 9-21 State (897), 9-22-29 State (898), 10-16-31 State (899), 12-15-30 State (900), 12-16-28 State (902), and 10-26-29 State (903).

Dear Mr. White:

This will acknowledge your letter of June 22, 1998. Our records show that the referenced wells were completed as temporarily abandoned wells on January 23, 1998. Under R12-7-121(D) the wells will be held confidential for 6 months from that date, through July 23, 1998.

Please advise if we may be of further assistance.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

Ridgeway
Arizona Oil Corporation

Friday, June 22, 1998
Mr. Steve Rauzi
Az. Geological Survey
Suite 100
416 W. Tucson, 85701

896

RE: Completion Reports

Dear Mr. Rauzi:

This letter is to inform you that we are currently working on the requested completion forms, as soon as we have them completed we will submit them to our legal counsel for review they in turn will send them directly to the Arizona Geological survey. Mr. Rauzi it has also come to our attention according to the A.A.C. r12-7-121,D. that these wells will be considered completed therefore the Commission is only obligated to keep these wells confidential for a period not to exceed 6 mo. . These wells are not completed but on temporary abandonment status, we need some clarification on this issue.

If there are any questions concerning this matter please advise.

Sincerely,
Ridgeway AZ. Oil Corp.

Thomas White
Production Manager

Cc: Mike Rice, Mineral Manager, State land Dept.
Kenneth Rozen, State Land Dept.
Chet Oakely, Geoligist, State Land Dept.
Larry Fellows, State Geoligist
Marc Steadman, Office Of Attorney General

JUN 1998
ARIZONA
GEOLOGICAL
SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

Arizona
State Land Department
1616 WEST ADAMS
PHOENIX, ARIZONA 85007

JANE DEE HULL
GOVERNOR

J. DENNIS WELLS
STATE LAND COMMISSIONER

June 16, 1998

file 896

Mr. Don Riggs
Vice President, Operations
Ridgeway Arizona Oil Corporation
P. O. Box 1110
St. Johns, Arizona 85936

Re: Exploration and Development
St. Johns CO_2 Field

Dear Mr. Riggs:

Since beginning the most recent phase of drilling operations in early 1997, there have been a number of issues arise with respect to plans of operation, advance notice to the Department and its surface lessees, and the overall conduct of operations on the property. Though Ridgeway has been cooperative in meeting the requests of the Department, it is also evident that most of these issues could have been avoided with the timely filing of a plan of operation. In this regard, I have outlined below the conditions for approving any additional work on State land.

- Plans of operation are to be received by the Department no later than 60 days prior to conducting any operations on the leased land. In instances where the well has been drilled and the plan contemplates testing of the well the plan is to be submitted no later than 10 days prior to the start of operations. As indicated in Section 17 of the lease agreement, operations may not be commenced without the approval of the Department.

- Upon receiving the plan from Ridgeway, the Department will then inform the surface lessee of proposed activities. In order to coordinate activities with the surface lessee, the proposed access routes and drill site locations should be discussed with the surface lessee prior to developing the plan.

- The Department is to be informed of the completion of approved operations within 10 working days.

- All reasonable attempts shall be made to avoid conducting operations during inclement weather conditions. Contract terms as well as the scheduling of drilling operations should be considered in the development of drilling plans.

- All newly constructed drill sites, access roads, and turn-outs are to be scarified and seeded using a broadcast and rake seeding method. The timing, seed mixture, and seeding rate will be provided to you at a later date.

- As deemed appropriate by the Department, all disturbed areas including pre-existing ranch roads will either be maintained or abandoned using appropriate erosion control measures. Water bars, water turn-outs, and general road maintenance requirements will be developed by the Department's Drainage and Engineering Section and Apache County Natural Resource Conservation Service.

P/N 896

- As determined from my field exam of May 15, 1998, the construction and/or backfilling and leveling of well site 10-22 may have disturbed an archaeological site. There is to be no additional work on this particular well site until such time as authorized by the Department.

- All drill sites which have not been backfilled and leveled shall have all trash and debris removed from the property. As evidenced from my field examination on May 14th and May 15th, there exist a number of sites in which the drilling crew improperly disposed of thread protectors, mud additives or other drilling equipment and supplies. Of particular note is well site 10-16-31.

- As noted during my recent field exam, there are three drill sites which show evidence of oil and/or hydraulic fluid having leaked onto the ground. For well sites 9-22-29, 10-16-31, and 10-26-29, the Department is requiring that you remove the soil and dispose of it according to federal, state, and local laws.

- As concerns gates or other improvements belonging to the grazing lessee, they are all to be repaired or replaced if damaged during the course of conducting operations on the property. Of particular note are gates which have been repaired but which still need attention (well sites 10-22 and 10-16-31). In addition to these gates there is also a cattle guard along the access road to well site 10-26-29.

Confirmed and Agreed to

_____ _____

Signature Date

Sincerely,

Michael Rice, Manager
Minerals Section
Natural Resources Division

MR:mlt

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

June 5, 1998

896

Mr. Thomas White
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Re: Review of well files:
Wells 11-21 State (Permit #895), 10-22 State (896), 9-21 State (897),
9-22-29 State (898), 10-16-31 State (899), 12-15-30 State (900),
12-16-28 State (902), and 10-26-29 State (903).

Dear Mr. White:

Thank you for your letter of May 26, 1998. Please note that under our rule A.A.C. R12-7-121 a completion report is due within 30 days of a well being temporarily abandoned. It has been 4 months since the referenced wells were approved for temporary abandonment and completion reports are due. Please forward the reports. Several completion reports are enclosed for your convenience.

According to sundry notices in our files, Ridgeway ran downhole pressure gauges in its 3-1 State (884), 22-1X State (888), and 11-21 State (895) in mid 1997 but did not report the pressure results. Please forward the downhole pressure results.

Thank you.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

enclosures

Ridgeway
Arizona Oil Corporation

896

May 26, 1998

Mr. Steve Rauzi
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701

Re: Request of Completion Reports

Dear Mr. Rauzi:

Enclosed you will find a copy of your Jan.23, 1998 *written permission for temporary abandonment.* These wells are temporally abandoned pursuant to **A.A.C. R12-7-125**, according to this code *" Permission shall be granted for a period not to exceed 1 year. One-year extensions may be granted."* Therefore these wells are shut-in for evaluation and are not completed, we also understand that we are obligated to notify the Commission at least 10 days prior to re-entry (a.a.c.r12-7-125.d), there has not been any further work done to these wells

If there are any questions please advise

Sincerely,

Thomas White
Production Manager R.A.O.C.

C Larry Fellows
Director and State Geologist

Rauzi5/26/98

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

May 18, 1998

896

Mr. Don Riggs
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Re: Wells 11-21 State (Permit #895), 10-22 State (896), 9-21 State (897), 9-22-29 State (898), 10-16-31 State (899), 12-15-30 State (900), 12-16-28 State (902), and 10-26-29 State (903).

Dear Mr. Riggs:

A review of our records indicates that we have not received a completion report, subsurface pressure measurement, and open flow capacity determination for the referenced wells as required under our rules. It has been about a year since these wells were drilled and I am writing to remind you that these reports are due. Please forward the reports.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

C Larry D. Fellows
Director and State Geologist

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

January 23, 1998

Mr. Thomas White
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Re: Temporary abandonment of Ridgeway Arizona Oil Corporation wells:
State Permit #'s 884, 888, 895, 896, 897, 898, 899, 900, 902, and 903

Dear Mr. White:

This letter constitutes written permission for temporary abandonment of the referenced wells pursuant to A.A.C. R12-7-125.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

C Oil and Gas Commissioners

After discussing if a temporarily-abandoned versus shut-in status would prevent Ridgeway from continuing to hold its leases, whether a gas analysis is a test required under the oil and gas rules, and the extension of confidentiality with Messrs. Riggs and White of Ridgeway,

Mr. Lanshe moved, seconded by Dr. Clay:

> TO APPROVE THE RECOMMENDATION OF THE ADMINISTRATOR TO TEMPORARILY ABANDON RIDGEWAY'S WELLS SUBJECT TO DETERMINATION BY THE LAND DEPARTMENT THAT SUCH STATUS WOULD NOT JEOPARDIZE RIDGEWAY'S ABILITY TO CONTINUE TO HOLD ITS LEASES

Motion carried unanimously.

Mr. Lanshe moved, seconded by Dr. Clay:

> THAT THE COMMISSION DEFER ACTION ON WHETHER A GAS ANALYSIS IS A TEST AND THE COMMISSION'S ABILITY TO GRANT A SIX-MONTH EXTENSION OF CONFIDENTIALITY PENDING A WRITTEN OPINION FROM LEGAL COUNSEL

Motion carried unanimously.

COMMISSION POLICY ON PUBLIC AND INDIAN LAND

Mr. Rauzi reported that the Commission holds bonds for companies drilling on public and Indian lands even though companies drilling on public land are required to post a bond with the federal government and companies drilling on Indian land are required to post a bond with the BIA. He reported that the bonds held by the Commission are duplicate bonds.

Mr. Lanshe moved, seconded by Dr. Clay:

> THAT THE ADMINISTRATOR RELEASE DUPLICATE BONDS IF EVIDENCE OF BONDS HELD WITH THE FEDERAL GOVERNMENT OR BIA IS OBTAINED

Motion carried unanimously.

CALL TO THE PUBLIC

Paul Buff reported that the Bureau of Land Management would hold its next oil and gas lease sale in December.

ANNOUNCEMENTS

None.

JANE DEE HULL
GOVERNOR

Arizona
State Land Department
1616 WEST ADAMS
PHOENIX, ARIZONA 85007

J. DENNIS WELLS
STATE LAND COMMISSIONER

December 17, 1997

896

Mr. Don Riggs, Vice President Operations
Ridgeway Arizona Oil Corporation
P. O. Box 1110
St. Johns, Arizona 85936

Re: Well Classifications

Dear Mr. Riggs:

As discussed during the Oil and Gas Commission meeting of October 31, 1997, the Department has reviewed your concerns about certain wells being classified as "Temporarily Abandoned." Based upon our review of the oil and gas lease agreement, the Department does not believe the classification jeopardizes the lease or any extension of the lease beyond the primary term. The basis for our position is as follows:

1) There are no leases held by Ridgeway Arizona Oil Corporation in which the primary term expires earlier than 1999.

2) There has been no production from state land nor has there been demonstrated to the Department a discovery on state land. In the absence of either a discovery well or production from state land, an extension of the lease must be exercised through Section 2, Paragraphs b and c of the agreement.

3) With the exception of extending the lease through diligent drilling, completion, reworking operations, or production from the property, the longest term of any oil and gas lease is for a period of ten years. Since the act of diligently developing or producing from the property is a requirement for extending the lease beyond a term of 10 years, the classification of the well has no bearing upon the granting of an extension by the Department.

For your convenience I have enclosed a copy of the Department's oil and gas lease agreement and specifically refer you to Page 2 of the agreement. Should you have any further questions regarding this matter, please feel free to contact the Department at any time.

Sincerely,

Dennis Wells

J. Dennis Wells
State Land Commissioner

JDW:mlt

Enclosure

c: Oil and Gas Conservation Commission

Arizona Geological Survey
Attention: Steven L. Rauzi

DRILLING ACTIVITY

INITIAL CLASS: WF = NEW FIELD WILDCAT; WD = DEEPER POOL WILDCAT; WS = SHALLOWER POOL WILDCAT; WP = NEW POOL WILDCAT; WO = WILDCAT OUTPOST; D = DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK, LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED
● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL — 10-26-29 RIDGEWAY STATE — API 02-001-20315 — **26-10N-29E** — NW SW — 2260 FSL 1206 FWL — **WF**
WILDCAT; PERMIT #903; 2300 FORT APACHE. (FR 04/10/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; **EL:** 6946 KB; **LOCATION DATA:** 10 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 12 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**
■ **CONTR:** AZTEC WELL SRVCG. **RIG #** 124 **RIG SUB:**13; **SPUD:** 04/18/97 **CSG:** 8 5/8 @ 1118; **DRLG COMMENTS:** AZTEC WS #157 COMPLETED. **2850 TD,** (TD REACHED: 04/ 30/97); . . . 2850 TD(APPROX), WOPT (LDIR 01/15/98)

RIDGEWAY ARIZONA OIL — 10-22 RIDGEWAY STATE — API 02-001-20308 — **22-10N-30E** — SW SW — 660 FSL 660 FWL — **WF**
WILDCAT; PERMIT #896; 2300 FORT APACHE. (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**
■ **CONTR:** AZTEC WELL SRVCG. **RIG #** 124 **RIG SUB:**13; **SPUD:** 03/21/97 **DST #** 1, ISIP 410, (AMOS WASH), REC CO2 GTS; **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **2265 TD,** (TD REACHED: 03/ 27/97): . . . 2265 TD, WOPT (LDIR 01/15/98)

COLORADO

ADAMS COUNTY

OBRIEN ENERGY RESOURCES — 1 TWIN PEAKS — API 05-001-09371 — **10-1S-59W** — NE SW — 2080 FSL 1500 FWL — **WF**
WILDCAT; PERMIT #97-851; 6300 J SAND. (FR 11/06/97DN) **OPER ADD:** 75 CONGRESS ST, PORTSMOUTH, NH, 03801 PHONE (603) 427-2099; **EL:** 4765 GR; **LOCATION DATA:** 2 MI WNW HOMESTEAD FLD(D SAND/J SAND) 20 MI SW FORT MORGAN, CO;
■ **CONTR:** ASHBY DRLG; **SPUD:** 01/11/98, . . . DRLG 4430 (LDIR 01/15/98)

CHEYENNE COUNTY

UNION PACIFIC RESOURCES — 1 REVEILLE 21-12 — API 05-017-07570 — **12-12S-43W** — NE NW — 1000 FNL 1500 FWL — **WO**
HARKER RANCH; PERMIT #97-937; 5450 MORROW. (FR 12/09/97DN) **OPER ADD:** BOX 7 MS 3006, FORT WORTH, TX, 76101-0007 PHONE (817) 877-7664; **EL:** 4148 GR; **LOCATION DATA:** 19 1/2 MI S BURLINGTON, CO 1/2 MI S OF FLD(MORROW);
■ **CONTR:** MURFIN DRLG. **RIG #** 25;**SPUD:** 01/10/98 (EST). . . . DRLG (LDIR 01/15/98)

GARFIELD COUNTY

SNYDER OIL — 4-14 DUNN — API 05-045-07263 — **4-7S-92W** — SE SW — 827 FSL 2262 FWL — **D**
MAM CREEK; PERMIT #97-951; 4955 WILLIAMS FORK. (FR 12/16/97DN) **OPER ADD:** 1625 BROADWAY STE 2200, DENVER, CO, 80202 PHONE (303) 592-4643; **EL:** 6009 GR; **LOCATION DATA:** IRREG SEC; 5 1/2 MI S SILT, CO;
■ **CONTR:** SST ENERGY. **RIG #** 3;**SPUD:** 12/15/97 (EST). **4955 TD,** (TD REACHED: 12/ 24/97); . . . 4955 TD(APPROX), TITE HOLE (LDIR 01/15/98)

SNYDER OIL — 7-14 KRK — API 05-045-07232 — **7-7S-92W** — SE SW — 250 FSL 913 FWL — **D**
MAM CREEK; PERMIT #97-802; 6410 WILLIAMS FORK. (FR 10/20/97DN) **OPER ADD:** 1625 BROADWAY STE 2200, DENVER, CO, 80202 PHONE (303) 592-4643; **EL:** 6199 GR; **LOCATION DATA:** IRREG SEC; 7 MI SSW SILT, CO;
■ **CONTR:** SST ENERGY. **RIG #** 3;**SPUD:** 01/12/98 (EST). . . . DRLG-TITE (LDIR 01/15/98)

RIO BLANCO COUNTY

CONOCO INC — 72 WILSON CREEK UNIT — API 05-103-09859 — **32-3N-94W** — NW SE — 2568 FSL 2115 FEL — **WO**
WILSON CREEK; PERMIT #96-884; 6203 NIOBRARA. (FR 12/10/96FM) **OPER ADD:** 10 DESTA DR STE 100W, MIDLAND, TX, 79705-4500 PHONE (915) 686-5424; **EL:** 7195 KB; **LOCATION DATA:** 10 1/2 MI N MEEKER, CO 1 MI W OF FLD(MORRISON/SHINARUMP/SUNDANCE/MINTURN/ NIOBRARA); **TO BE DIRECTIONALLY DRILLED. PBHL:** 1199 FT;848 S 848 W; 1720 FSL 2963 FEL SE NE SW 32-3N-94W; **DIRECTIONALLY DRILLED. ABHL:** 2131 FSL 2620 FEL NW NW SE 32-3N-94W;
■ **CONTR:** CAZA DRLG. **RIG #** 7;**SPUD:** 12/10/96, **CSG:** 14 @ 60, 9 5/8 @ 600 W/300 SX, 7 @ 3571 W/260 SX; **LNR:** 5 1/2 @ 3487-6620; **LOG TYPES:** CCL, GR, IL, MICL, SONL; **LOG TOPS:** MEEKER 2832, NIOBRARA 4227, CARLILE 6505; **6620 TD,** (CARLILE) (TD REACHED: 01/ 15/97), **RIG REL:** 01/22/97; **PROD TEST(S): PERF** (NIOBRARA) 5345-6194, REC OIL (GAUGE NOT RPTD), NATURAL . . . 6620 TD, SI-WOE (LDIR 01/15/98)

Ridgeway
Arizona Oil Corporation

896

Arizona Geological Survey
416 W, Congress
Suite 100
Tucson, AZ 85701

10/14/1997

ATT. Mr. Larry Fellows

Dear Mr.Fellows

This letter is to request a **6 mo. extension** on the confidential status of our wells. We would like to keep **all** of our well information confidential, if more information is needed please advise.

Sincerely

Thomas White
Production Manager, RAOC

Cc: J.Dale Nations, Oil Gas Conservation Commissioner, and Chairman
Marc Steadman, Office of Attorney General
Walter Ruck, President of Ridgeway Petroleum Corp.

Fel.10-14-97

OCT 1997
ARIZONA
GEOLOGICAL
SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

DRILLING ACTIVITY

INITIAL CLASS: WF = NEW FIELD WILDCAT; WD = DEEPER POOL WILDCAT; WS = SHALLOWER POOL WILDCAT; WP = NEW POOL WILDCAT; WO = WILDCAT OUTPOST; D = DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK. LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL — 9-22-29 RIDGEWAY — API 02-001-20310 — **22-9N-29E** — SW SE — 1091 FSL 2674 FWL — **WF**

WILDCAT; PERMIT #898; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7191 KB; **LOCATION DATA:** 15 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 6 MI N SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED. WELL ID CHANGES:** FTG CHGD FROM 1320 FSL 1320 FWL. SPOT CHGD FROM C SW. ELEV CHGD FROM 1746 GR.

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 03/30/97 **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **3180 TD,** (TD REACHED: 04/ 06/97); . . . 3180 TD, SI-WOE (LDIR 10/08/97)

RIDGEWAY ARIZONA OIL — 9-21 RIDGEWAY STATE — API 02-001-20309 — **21-9N-31E** — SW NE — 1980 FNL 1980 FEL — **WF**

WILDCAT; PERMIT #897; 2300 FORT APACHE, (FR 03/03/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7211 KB; **LOCATION DATA:** 17 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC NE 3-11N-29E 10 1/2 MI E-NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 03/08/97 **CSG:** 4 1/2 @ 2680; **DST #** 1 (GRANITE WASH) 2600, ISIP 680, REC CO2 GTS(AMT NOT RPTD); **2686 TD,** (TD REACHED: 03/ 16/97); **PROD TEST(S): PERF** (GRANITE WASH), F 572 MCFD, 48/64 CK, TP 95, **PERF** (GRANITE WASH), F 997 MCFD, 48/64 CK, TP 100, . . . 2686 TD, SI-WOE (LDIR 10/08/97)

RIDGEWAY ARIZONA OIL — 10-26-29 RIDGEWAY STATE — API 02-001-20315 — **26-10N-29E** — NW SW — 2260 FSL 1206 FWL — **WF**

WILDCAT; PERMIT #903; 2300 FORT APACHE, (FR 04/10/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; **EL:** 6946 KB; **LOCATION DATA:** 10 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 12 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 04/18/97 **CSG:** 8 5/8 @ 1118; **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **2850 TD,** (TD REACHED: 04/ 30/97); . . . 2850 TD(APPROX), SI-WOE (LDIR 10/08/97)

8%

RIDGEWAY ARIZONA OIL — 10-22 RIDGEWAY STATE — API 02-001-20308 — **22-10N-30E** — SW SW — 660 FSL 660 FWL — **WF**

WILDCAT; PERMIT #896; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 03/21/97 **DST #** 1, ISIP 410, (AMOS WASH), REC CO2 GTS; **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **2265 TD,** (TD REACHED: 03/ 27/97); . . . 2265 TD, SI-WOE (LDIR 10/08/97)

RIDGEWAY ARIZONA OIL — 10-16-31 RIDGEWAY — API 02-001-20311 — **16-10N-31E** — NE SW — 1980 FSL 1980 FWL — **WF**

WILDCAT; PERMIT #899; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7259 KB; **LOCATION DATA:** 13 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 16 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 04/08/97 **DRLG COMMENTS:** LOST CIRC PROBLEMS WHILE DRLG, CO2 GTS @ TD. **2798 TD,** (TD REACHED: 04/ 17/97); . . . 2798 TD, WOCT (LDIR 10/08/97)

RIDGEWAY ARIZONA OIL — 12-16-28 RIDGEWAY STATE — API 02-001-20314 — **16-12N-28E** — NW NE — 1215 FNL 1991 FEL — **WF**

WILDCAT; PERMIT #902; 2150 FORT APACHE, (FR 04/10/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; **EL:** 6001 KB; **LOCATION DATA:** 7 1/2 MI W UNNAMED FLD(FORT APACHE)CO2 DISC 15-12N-29E 2 MI SW ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 05/21/97 **CSG:** RAN PROD CSG; **2274 TD,** (TD REACHED: 05/ 25/97); . . . 2274 TD, SI-WOE (LDIR 10/08/97)

MOHAVE COUNTY

PREMCO WESTERN — 1-10 MOHAVE COUNTY — API 02-015-20029 — **10-41N-11W** — NE SE — 2353 FSL 510 FEL — IC 20157000195 — **WF**

WILDCAT; 8500 CAMBRIAN, (FR 09/11/95FM) **OPER ADD:** BOX 496588, GARLAND, TX, 74049-6588 PHONE (214) 341-7010; **EL:** 3090 GR; **LOCATION DATA:** 24 MI S-SW VIRGIN FLD(UTAH/INACHOE) 9 MI SE ST GEORGE, UT; PLAN SPUD NOV-1-1995; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** LAYNE-WESTERN; **SPUD:** 11/30/95, **CSG:** 18 @ 80, 10 3/4 @ 240 W/5 CU YD; **DRLG COMMENTS:** ORIGINALLY DRILLED TO 1000 FT AND SHUT-IN '95-96 ,HOLE CAVED-IN, DRLG RESUMED FROM 80 FT SEPT '97 **DRLG PROBLEMS** RIG UNABLE TO RUN 40 FT 8 5/8 CSG LENGTHS AS PLANNED TO 850 FT, HOLE CAVING IN WHILE OPERATIONS SUSPENDED. . . . @ 380, SI (LDIR 10/08/97)

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

October 6, 1997

896

Mr. Thomas White
Production Manager
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Dear Mr. White:

Our records continue to show that Ridgeway Arizona Oil Corporation remains out of compliance with its obligation to (1) file copies of all gas analyses reported in your letter of September 5, 1997; (2) plug and abandon the Plateau Cattle #1A well; and (3) report complete testing results for all perforated intervals in all wells drilled and perforated in 1997, including the testing reported in News Releases by Ridgeway Petroleum Corporation in April, May, and June 1997.

Please be advised that pursuant to A.R.S. § 27-527(B) each operator is required to file a full, true, and correct record of its operations.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman
Larry D. Fellows, Director and State Geologist
Marc T. Steadman, Office of Attorney General

Ridgeway
Arizona Oil Corporation

September 22, 1997

896

Mr. Steve Rauzi
Arizona Geological Survey
416 W. Congress, su.100
Tucson, Arizona 85701

Dear Mr. Rauzi

Enclosed you will find notices requesting temporary abandonment status for all of our wells.

If there are any questions please advise

Sincerely,

Thomas White
Production Manager R.A.O.C.

cc. Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman
Larry D. Fellows, Director and State Geologist
Office of Attorney General
Walter Ruck

Rauzi.9-22-97

SEP 1997
ARIZONA
GEOLOGICAL
SURVEY

P.O. Box 1110
St. Johns, AZ 85936

Tel: 520 337 3230
Fax: 520 587 3522

RESERVOIRS, INC.

CONVENTIONAL AND SPECIAL CORE ANALYSIS
GAS & LIQUID ANALYSIS • OIL FINGERPRINTING
GEOLOGICAL ANALYSIS • CLASTICS/CARBONATES
SINGLE WELL/FIELD/REGIONAL STUDIES
WELL COMPLETION/STIMULATION STUDIES
ENVIRONMENTAL SERVICES

2057 COMMERCE DRIVE MIDLAND, TEXAS 79703 (915) 699-2468 FAX (915) 699-2464

TRANSMITTAL OF GEOLOGICAL SAMPLES

Ship To: ARIZONA GEOLOGY SURVEY
416 WEST CONGRESS SUITE 100
TUCSON, ARIZONA 85701

ATTN: STEVE RAUZI

From: RESERVOIRS, INC.
2057 COMMERCE DRIVE
MIDLAND, TEXAS 79703
(915) 699-2468 office
(915) 699-2464 fax

Operator: RIDGEWAY ARIZONA

Well Name:

County:

file 896 ✓

STATE 10-22		SIDE WALL CORE
STATE 11-21		SIDE WALL CORE
STATE 10-26		SIDE WALL CORE
PLATEAU CATTLE COMPANY 22-1X		SIDE WALL CORE
STATE 11-21	PLUGS & END TRIMS	
STATE 11-21	7 BOXES OF SLAB	

Shipped Via: VIKING

By: Jeff Craig

Date: 9-2-97

Received By: S L Rauzi

Date: 9-5-97

Please return copy of Transmittal to above listed address.

TUCSON (520) 628-7704 97/09/04 21:27 16

SEE BACK OF MEMO COPY 97/09/04 DATE 9/05

FSUIFT143030

FREIGHT BILL # 610799397

SHIPPER
RESERVOIRS INC
2057 COMMERCE DR
MIDLAND TX 79703

viking freight
A Caltex System Company
P.O. BOX 649001
SAN JOSE, CA 95164-9001
TELEPHONE (408) 268-9600
CAL T84,649 (VIKN)

DELV # 610799397
ROUTING WD PAGE 1 OF 1 CONSIGNEE COPY
PHX/TUC-CK SCAC = VIKN IL
8961/995999
REF. #

Thank you

CONSIGNEE BILL: CNF2638C
ARIZONA GEOLOGY SURVEY
416 W CONGRESS STE 100
TUCSON AZ 85701

PO# STEVERAUZI PU 97/09/02

UNITS	P	HM	DESCRIPTION	WEIGHT IN LBS	RATE	CHARGES
1			CORE SAMPLES *PALLET ROCK SAMPLES *CONSIGNEE PHONE 520/770-3500	220		
1			PLTS INTACT YES ✓ NO ___ / PC ADJUSTMENT YES ___ NO ___ NBR PLTS RETURNED 16 / NBR PLTS KEPT 20	220		

1.
2.
3.
DRIVER 3497
UNITS 1PC
DATE 9-5-97
TIME 12:30

RO9042127 PL 1

RECEIVED IN GOOD ORDER EXCEPT AS NOTED X
RECEIVING CO. NAME
SURCHARGE
AMT. COLLECTED
PRINT LAST NAME KAIZI
SEAL #
INTACT ON RECEIPT X
AMT. DUE PREPAID

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

August 29, 1997

file 896

Mr. Don Riggs
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

Dear Mr. Riggs:

This will acknowledge receipt on August 25, 1997, of the following analyses, core chips, and wireline logs.

Analyses by Reservoirs Inc.

888 (22-1X) Conventional core 1296-1640'
No sidewall core analyses received
895 (11-21) 15 sidewall cores 1681-2372'
No conventional core analyses received
896 (10-22) 22 sidewall cores 1482-2235'
897 (09-21) Conventional core 1930-2160'
Conventional core 2642-2693'

Analyses by Baker Oil Tools

895 (11-21) DST1: 1610-1664'
DST2: 1665-2410'
896 (10-22) DST1: 1428-1490'
DST2: 1575-1790'
DST3: 2054-2265'
897 (9-21) DST1: 1860-1964'
DST2: 1963-2160'
DST3: 2590-2694'

Core chips

888 (22-1X): 1296-1356'
No cuttings samples received

895 (11-21):
No cuttings samples received

Wireline logs by Schlumberger

888 (22-1X)	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog	895 (11-21)	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog FMI LQC LOG
896 (10-22)	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog Natural Gamma Tool	987 (9-21)	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog
898 (09-22-29)	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog Combinable Magnetic Resonance Tool	899 (10-16-31)	NO LOGS RECEIVED
900 (12-15-30)	Compensated Neutron Log Digital Array Sonic Log	901 (13-36-29	Platform Express Porosity-Lithology Platform Express Array Induction Platform Express Microlog
902 (12-16-28)	Gamma Ray	903 (10-26-29)	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog

Please note that analyses for the sidewall core on the 22-1X and conventional core on the 11-21, cuttings samples for the 22-1X and 11-21, and wireline logs for the 10-16-31 were not received.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman
Larry D. Fellows, Director and State Geologist
Office of Attorney General

8-5-97 Don Riggs calls.
Regarding my letter of July 28 - What logs do we need?
I advise all logs on all wells. I have 11-21X & 10-22
I recall he gave me 10-22 logs @ ASCD mtg on 4-1-97.
These were the last logs we received.
He advised we are on Schlumberger's distribution list.
Schlumberger informed him all logs were sent to me.
I advised none have been received.
He said they are floating around somewhere in the mail.
He will have them send again by special courier & have someone sign.
I advise that's fine.

896

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

August 4, 1997

Mr. Don Riggs
Vice President
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

896

Dear Mr. Riggs:

Thank you for sending the Sundry Notices of July 28 reporting the spud date, total depth date, and total depth for some of your wells. These reports, however, do not provide the drilling record required by this office.

Please be advised that this office requires a drilling record that clearly states the pertinent details and dates of all operations that ultimately affect the well, conservation of resources, public health and safety, and the environment. This would include at a minimum a record of (1) daily footage with brief description of daily activity, i.e. drilling, running casing, testing, logging, etc.; (2) individual intervals of lost circulation or uncontrolled flows; (3) amount and type of any lost circulation material or diesel fuel added to the mud; (4) number of cored intervals including recovery and brief description of each individual core; (5) number of DST's including a description of pressures and recoveries of each individual DST interval; and (6) wireline logs and sidewall cores run.

Some of the Sundry Notices you sent reported perforated intervals but did not report initial pressure and flow results. Please be advised that this office requires the Sundry Notice to clearly state all pertinent details including date each individual interval was perforated and pressure and flow results before and after stimulation.

Please note that the drilling record for the 11 wells drilled by Ridgeway in 1997 are past due.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Oil and Gas Commissioners; Larry D. Fellows
Office of Attorney General

RIDGEWAY AZ OIL CORP.

July 28, 1997

Arizona Geological Survey
416 W. Congress
Suite 100
Tucson, AZ 85701

898

Attn: Mr. Steve Rauzi

RE: Sundry Notices/Reports

Dear Mr. Rauzi:

Enclosed please find the Sundry Notices and Reports on Wells, for Ridgeway AZ Oil Corp. for wells State 22-1X, State 11-21, State 10-22, State 9-21, State 10-16-31, State 12-15-30, State 12-16-28, and State 10-26-29.

If you have any questions regarding this matter, please advise.

Sincerely,

Carmen Tanner
Office Manager

CT:ct

Enclosures

Rauzi.7-28-97

Missing Sundry Notice for:

9-22-29 (898) – May 21 PR rpts stim + test 5 zones over 15 days. Frac tanks on loc 5/31
13-36-29 (901)
15-28-29 (904)

RECEIVED 1997 ARIZONA GEOLOGICAL SURVEY

P. O. BOX 1110, 590 S. WHITE MTN. DR. • ST. JOHNS, AZ • 85936-1110
PHONE: 520-337-3230 • FAX: 520-337-3162

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

July 28, 1997

Mr. Don Riggs
Vice President
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

896

Dear Mr. Riggs:

In response to your phone call about expired permits 890, 891, 892, and 893, please be advised that extensions may be considered after we receive your request certifying in writing that the wells will be drilled in accordance with the drilling prognosis and all conditions and notification requirements of the original permits.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with Commission rules in several areas. Ridgeway is not in compliance with its obligation to: (1) plug the 22-1 State (885) and Plateau Cattle 1A (883) wells; (2) post identifying signs at each well; (3) file samples on the 22-1X (888) and 11-21 (895) wells; (4) file logs, tests, core chips, and analyses; (5) report the stimulation of any well within 15 days of the stimulation; and (6) submit sundry reports detailing operations from spud date to current status for each of the 11 wells drilled by Ridgeway in 1997.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

c Oil and Gas Commissioners; Larry D. Fellows
Office of Attorney General

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

July 16, 1997

Mr. Don Riggs
Vice President
Ridgeway Arizona Oil Corp
P.O. Box 1110
St. Johns, Arizona 85936

896

Dear Mr. Riggs:

As we previously discussed, rules of the Arizona Oil and Gas Conservation Commission require operators (1) to conduct a test to determine the reservoir pressure on the discovery well of any new pool and (2) to determine the open flow capacity of each new producing gas well. The open flow capacity is to be submitted on our Form 18, Multipoint and One Point Back Pressure Test for Gas Well, several copies of which are enclosed for your convenience. These reports are now due for the Plateau Cattle 1 (880), 3-1 (884), and 22-1X (888) wells.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with Commission rules in several areas. Ridgeway is not in compliance with its obligation to: (1) plug the 22-1 State (885); (2) post identifying signs at each well; (3) file samples on the 22-1X (888) and 11-21 (895) wells; (4) file logs, tests, and analyses; (5) report the stimulation of any well within 15 days of the stimulation; and (6) submit sundry reports detailing operations from spud date to current status for each of the 11 wells drilled by Ridgeway in 1997.

Note that the temporary abandonment status for the 1A Plateau Cattle (883) has expired. As a result, advise this office as soon as possible when and how you plan to plug it.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

c Oil and Gas Commissioners; Larry D. Fellows
Office of Attorney General

The Apache County Observer - Apache County, AZ - Thursday, May 15, 1997

Ridgeway expands drilling to 12 wells

E96

Photo by Art Harrington

Ridgeway Petroleum president Walter B. Ruck, (rt.) has announced the company will drill 12, instead of 10, delineation wells. Don Riggs, manager of Ridgeway Arizona, is also pictured.

ST. JOHNS — Walter B. Ruck, president of Ridgeway Petroleum, announced Thursday in St. Johns that the Calgary-based company's 10-well delineation drilling program has been expanded to 12 wells. The company's president and chairman of the board was in Arizona to meet with staff and to personally check on the progress being made in defining the company's highly-successful CO2 discovery in southern Apache County.

"Every CO2 field has been discovered by accident," he said. "We initially came here searching for oil." The tip-off for Ridgeway had been the published results of the geothermal drilling done several years ago at Alpine, which had been funded by the United States Department of Energy. While Ruck still believes oil may be found in the area, the company's initial drilling discovered a vast reservoir of carbon dioxide gas instead. Ruck explained that it seems to be found where there has been contact between volcanic deposits and wet limestone. "The fields are typically very large when you find them," he said. "But you may drill hundreds of wells searching for the gas and never find it." So far the gas has been found in every well Ridgeway has drilled here.

California petroleum and food industries all need CO2 badly, Ruck explained, since no natural reservoirs of it have ever been discovered there. The demand is such that there appears to be substantial interest in constructing a pipeline which would likely carry the liquefied and pressurized gas from southern Apache County to Bakersfield, Cal. Ruck estimates it would cost between $200-250 million to build such a pipeline.

The Arizona Oil and Gas Commission has decided to hold its annual meeting on June 13 in St. Johns at Ridgeway's offices. According to Ruck, the meeting is kind of snowballing. At least four pipeline companies have notified him they plan to come, along with representatives of a number of major oil companies. Ruck expects some important decisions about the future of Ridgeway's project may be made at that time.

Ruck cautioned, "We're not a panacea for the area." He noted that the local unemployment rate will not be reduced much by the CO2 development, since most of the work is so specialized it requires bringing in highly-trained and experienced personnel. On the other hand, he admitted, he believes the development will ultimately be good for the area. It is already infusing money into the local economy. The company now has a large drilling rig and a service rig, or completion unit, in addition to all of the other well services which have come in to assist in the exploration. "It is also an environmentally clean industry, when compared to other oil and gas exploration," he said.

What about the helium content? According to Ruck, it has been significant, testing between .65 and .70 percent. By comparison, he said, most of the helium being commercially extracted tests at less that .30 percent. Consequently, the construction of a helium extraction plant is still a possibility, he said, "But it would be expensive — probably $35-40 million." Interestingly enough, the United States produces 95 percent of the world's helium.

The president said the company will be going to faster air drilling for the remainder of the planned wells. He said the down side is that it is impossible to core or to get the quality of samples which can be obtained by mud drilling. "We did enough coring and drill-stem testing on the first wells, though, that we can stand the air drilling on the remaining wells," he said.

The wells drilled thus far have ranged from 1,800 to 3,150 feet. "As we go further north," Ruck said, "the wells may go down to 4,500." The required depth can vary as much as 450 feet, due to surface elevation differences. All of the wells are now being taken down to the granite.

DRILLING ACTIVITY

INITIAL CLASS: WF = NEW FIELD WILDCAT; WD = DEEPER POOL WILDCAT; WS = SHALLOWER POOL WILDCAT; WP = NEW POOL WILDCAT; WO = WILDCAT OUTPOST; D = DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK. LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL
9-22-29 RIDGEWAY
API 02-001-20310

22-9N-29E
SW SE
1091 FSL 2674 FWL

WILDCAT; PERMIT #898; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7191 KB; **LOCATION DATA:** 15 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 6 MI N SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED. WELL ID CHANGES:** FTG CHGD FROM 1320 FSL 1320 FWL. SPOT CHGD FROM C SW. ELEV CHGD FROM 1746 GR. **WF**

■ **CONTR:** AZTEC WELL SRVCG, **RIG** #124 **RIG SUB:**13; **SPUD:** 03/30/97 **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **3180 TD,** (TD REACHED: 04/ 06/97); . . . 3180 TD, PERFING (LDIR 05/13/97)

RIDGEWAY ARIZONA OIL
10-26-29 RIDGEWAY STATE
API 02-001-20315

26-10N-29E
NW SW
2260 FSL 1206 FWL

WILDCAT; PERMIT #903; 2300 FORT APACHE, (FR 04/10/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; **EL:** 6946 KB; **LOCATION DATA:** 10 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 12 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.** **WF**

■ **CONTR:** AZTEC WELL SRVCG, **RIG** #124 **RIG SUB:**13; **SPUD:** 04/18/97 **CSG:** 8 5/8 @ 1118; **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **2850 TD,** (TD REACHED: 04/ 30/97); . . . 2850 TD(APPROX), TSTG (LDIR 05/13/97)

896

RIDGEWAY ARIZONA OIL
10-22 RIDGEWAY STATE
API 02-001-20308

22-10N-30E
SW SW
660 FSL 660 FWL

WILDCAT; PERMIT #896; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.** **WF**

■ **CONTR:** AZTEC WELL SRVCG, **RIG** #124 **RIC SUB:**13; **SPUD:** 03/21/97 **DST** # 1, ISIP 410, (AMOS WASH), REC CO2 GTS: **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **2265 TD,** (TD REACHED: 03/ 27/97); . . . 2265 TD, TSTG (LDIR 05/13/97)

RIDGEWAY ARIZONA OIL
10-16-31 RIDGEWAY
API 02-001-20311

16-10N-31E
NE SW
1980 FSL 1980 FWL

WILDCAT; PERMIT #899; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7259 KB; **LOCATION DATA:** 13 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 16 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.** **WF**

■ **CONTR:** AZTEC WELL SRVCG, **RIG** #124 **RIG SUB:**13; **SPUD:** 04/08/97 **DRLG COMMENTS:** LOST CIRC PROBLEMS WHILE DRLG, CO2 GTS @ TD. **2798 TD,** (TD REACHED: 04/ 17/97); . . . 2798 TD, WOCT (LDIR 05/13/97)

RIDGEWAY ARIZONA OIL
12-15-30 RIDGEWAY
API 02-001-20312

15-12N-30E
NE SW
1980 FSL 1980 FWL

WILDCAT; PERMIT #900; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 6725 KB; **LOCATION DATA:** 5 MI E UNNAMED FLD(FORT APACHE)CO2 GAS DISC 15-12N-29E 10 1/2 MI E-SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.** **WF**

■ **CONTR:** AZTEC WELL SRVCG, **RIG** #124 **RIG SUB:**13; **SPUD:** 05/07/97 **CSG:** 4 1/2 @ 2595; **2595 TD,** (TD REACHED: 05/ 12/97); . . . 2595 TD, WOC (LDIR 05/13/97)

COLORADO

GARFIELD COUNTY

BARRETT RESOURCES
RMV 201-20 CLOUGH FEDERAL
API 05-045-07122

20-6S-94W
SW NE
1386 FNL 2274 FEL

RULISON; PERMIT #96-872; 7616 WILLIAMS FORK, PROJ TVD: 7545, (FR 12/09/96DN) **OPER ADD:** 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 606-4071; **EL:** 5481 GR; **LOCATION DATA:** 7 MI W-SW RIFLE, CO; **TO BE DIRECTIONALLY DRILLED. PBHL:** 632 FT;622 N 114 E; 764 FNL 2160 FEL SW NW NE 20-6S-94W; **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #457;**SPUD:** 04/22/97, **CSG:** 9 5/8 @ 899 W/550 SX, COND @ 43; . . . DRLG 7128 (LDIR 05/13/97)

BARRETT RESOURCES
GM 22-1 UNOCAL
API 05-045-07147

1-7S-96W
SE NW
1880 FNL 2175 FWL

GRAND VALLEY; PERMIT #97-76; 8850 WILLIAMS FORK, (FR 02/04/97DN) **OPER ADD:** 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5468 GR; **LOCATION DATA:** 1 MI N PARACHUTE, CO; **TO BE VERTICALLY DRILLED.** **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #414;**SPUD:** 04/27/97, **CSG:** 9 5/8 @ 321 W/275 SX; . . . DRLG 6510 (LDIR 05/13/97)

BARRETT RESOURCES
GM 201-4 FEDERAL
API 05-045-07119

4-7S-96W
NW NE
466 FNL 2236 FEL

GRAND VALLEY; PERMIT #96-865; 6582 WILLIAMS FORK, (FR 12/05/96DN) **OPER ADD:** 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 606-4071; **EL:** 5668 GR; **LOCATION DATA:** 3 1/2 MI W-NW PARACHUTE, CO; **TO BE VERTICALLY DRILLED.** **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #488;**SPUD:** 04/19/97, **CSG:** 9 5/8 @ 321 W/175 SX, 4 1/2 @ 6544 W/1025 SX; **6552 TD,** (TD REACHED: 05/ 06/97); . . . 6552 TD, WOCT (LDIR 05/13/97)

BARRETT RESOURCES
GM 42-4 FEDERAL
API 05-045-07131

4-7S-96W
SE NE
2026 FNL 526 FEL

GRAND VALLEY; PERMIT #96-902; 6600 WILLIAMS FORK, (FR 12/13/96DN) **OPER ADD:** 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5755 GR; **LOCATION DATA:** 3 MI W-NW PARACHUTE, CO; **TO BE VERTICALLY DRILLED.** **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #488;**SPUD:** 05/10/97, **CSG:** 9 5/8 @ 322 W/175 SX; . . . DRLG 1880 (LDIR 05/13/97)

Volume 5, Issue 19 The Apache County Observer - Apache County, AZ - Thursday, May 8, 1997

Stock soars on drilling discoveries

file 896

Art Harrington
The Observer

APACHE COUNTY — Southern Apache County is making international news with the discovery of its vast CO2 resources. Consequently the stock of developer Ridgeway Petroleum Corporation continues to climb.

Drilling by Aztec Well Service, contracted by Ridgeway, began on February 12 to prove up the carbon dioxide gas reserves which had been estimated at four-to-five trillion cubic feet. The huge rigs have lost no time in completing seven wells and are now working on the eighth.

According to information *The Observer* has been able to discover, the company has hit CO2 in each of the wells drilled. This would seemingly indicate widespread deposits, since drilling thus far has been reported in areas from north of St. Johns to just northeast of Springerville.

The discovery has not escaped the attention of the stock market. Ridgeway Petroleum stock (symbol RGW) has moved this year from a low of $.92 per share to a high of $7.35 (Canadian). On Friday it closed at $5.55, having traded as high as $5.75 that day.

On Monday trading of the stock on the Vancouver exchange was temporarily halted. It was resumed after the company announced a blowout on the #6 well had been contained. With that being an indicator of an even greater reservoir, the stock closed on Monday at $6.00.

Ridgeway was incorporated February 22, 1980 as Brent West Minerals. It continued doing business under that name until February 26, 1990, when it became Ridgeway Petroleum Corp. Its home office is in Calgary, Alberta, Canada. The primary business of the company is the extraction of oil and gas, with a secondary interest in diamonds. As of May 2, 11,061,829 of its authorized 25,000,000 shares had been issued. The volume traded on that day was 12,700.

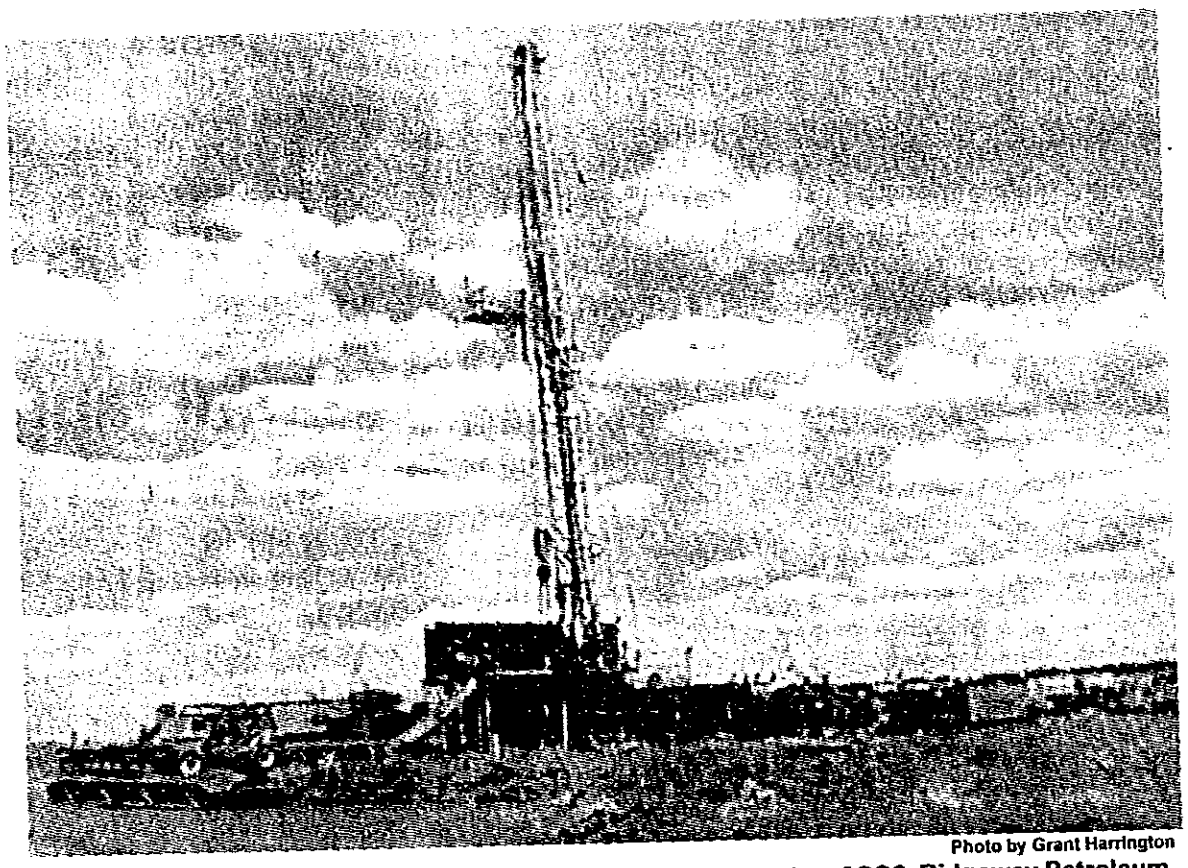


Photo by Grant Harrington

Drilling in southern Apache County has revealed immense deposits of CO2. Ridgeway Petroleum, the developer, has realized spectacular increases in its stock since the news of the discoveries has reached investors. The rig pictured above costs over $1 million dollars. It has a crew of eight which man it with 12-hour shifts, so the rig can keep drilling 24-hours a day.

Ridgeway President Walter Ruck also announced on May 2 that a 4,800,000 special warrant brokered private placement through Yorkton Securities had closed. Gross proceeds of $16,800,000 were received, of which approximately $10 million was being held in escrow, pending the advancement of the company's previously announced transaction involving Arizona Resources Industries.

Is there a market for such CO2 resources? Without a doubt. The largest consumer of CO2 is the petroleum industry, which uses the gas to help force otherwise unretrievable oil deposits into collectable pools. The Permian Basin in west Texas and eastern New Mexico, for example, uses in excess of 1.4 billion cubic feet per day in its oil recovery operations. The hundreds of other uses for CO2 include a diversity ranging from food processing, carbonation of beverages and water purification, to flash freezing.

How would the product be moved? According to information *The Observer* has been able to glean, resources of two trillion cubic feet would justify the construction of a pipeline to oilfields in California or Texas. The company has apparently proven with is wells drilled thus far that more than adequate reserves exist to begin planning for a pipeline.

Our information also indicates that a number of major players in the industry are actively involved in bidding on the gas. Names such as Chevron and Cal Resources continue to surface.

Also previously reported has been the discovery of helium, along with the CO2. While the quantity of helium has yet to be determined, *The Observer* understands Ridgeway is also evaluating the possibility of building a helium extraction plant in southern Apache County.

DRILLING ACTIVITY

INITIAL CLASS: WF = NEW FIELD WILDCAT; WD = DEEPER POOL WILDCAT; WS = SHALLOWER POOL WILDCAT; WP = NEW POOL WILDCAT; WO = WILDCAT OUTPOST; D = DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK. LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL
9-22-29 RIDGEWAY
API 02-001-20310

22-9N-29E
SW SE
1091 FSL 2674 FWL

WILDCAT; PERMIT #898; 2400 FORT APACHE, (FR 03/17/97FM) **OPER** **WF**
ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7191 KB;
LOCATION DATA: 15 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 6 MI N SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**
WELL ID CHANGES: FTG CHGD FROM 1320 FSL 1320 FWL. SPOT CHGD FROM C SW. ELEV CHGD FROM 1746 GR.

■ **CONTR:** AZTEC WELL SRVCG, **RIG #** 124 **RIG SUB:**13; **SPUD:** 03/30/97 **3180 TD,** (TD REACHED: 04/ 06/97); . . . 3180 TD, WOCT (LDIR 05/06/97)

RIDGEWAY ARIZONA OIL
9-21 RIDGEWAY STATE
API 02-001-20309

21-9N-31E
SW NE
1980 FNL 1980 FEL

WILDCAT; PERMIT #897; 2300 FORT APACHE, (FR 03/03/97FM) **OPER** **WF**
ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7211 KB;
LOCATION DATA: 17 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC NE 3-11N-29E 10 1/2 MI E-NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #** 124 **RIG SUB:**13; **SPUD:** 03/08/97 **CSG:** 4 1/2 @ 2680; **DST #** 1 (GRANITE WASH) 2600, ISIP 680, REC CO2 GTS(AMT NOT RPTD); **2686 TD,** (TD REACHED: 03/ 16/97); . . . 2686 TD, WOCT (LDIR 05/06/97)

RIDGEWAY ARIZONA OIL
10-26-29 RIDGEWAY STATE
API 02-001-20315

26-10N-29E
NW SW
2260 FSL 1206 FWL

WILDCAT; PERMIT #903; 2300 FORT APACHE, (FR 04/10/97FM) **OPER** **WF**
ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; **EL:** 6946 KB;
LOCATION DATA: 10 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 12 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #** 124 **RIG SUB:**13; **SPUD:** 04/18/97 **CSG:** 8 5/8 @ 1118; **DRLG COMMENTS:** AZTEC WELL SERVICING #157 COMPLETED. **2850 TD,** (TD REACHED: 04/ 30/97); . . . 2850 TD(APPROX), COMPLETING (LDIR 05/06/97)

896

RIDGEWAY ARIZONA OIL
10-22 RIDGEWAY STATE
API 02-001-20308

22-10N-30E
SW SW
660 FSL 660 FWL

WILDCAT; PERMIT #896; 2300 FORT APACHE, (FR 02/18/97FM) **OPER** **WF**
ADD: 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #** 124 **RIG SUB:**13; **SPUD:** 03/21/97 **DST #** 1, ISIP 410, (AMOS WASH), REC CO2 GTS; **2265 TD,** (TD REACHED: 03/ 27/97); . . . 2265 TD, WOCT (LDIR 05/06/97)

RIDGEWAY ARIZONA OIL
10-16-31 RIDGEWAY
API 02-001-20311

16-10N-31E
NE SW
1980 FSL 1980 FWL

WILDCAT; PERMIT #899; 2400 FORT APACHE, (FR 03/17/97FM) **OPER** **WF**
ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7259 KB;
LOCATION DATA: 13 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 16 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #** 124 **RIG SUB:**13; **SPUD:** 04/08/97 **DRLG COMMENTS:** LOST CIRC PROBLEMS WHILE DRLG, CO2 GTS @ TD. **2798 TD,** (TD REACHED: 04/ 17/97); . . . 2798 TD, RNG PROD CSG (LDIR 05/06/97)

RIDGEWAY ARIZONA OIL
22-1X RIDGEWAY STATE
API 02-001-20301

22-12N-29E
SE NW
1383 FNL 1713 FWL

UNNAMED; PERMIT #888; 2300 FORT APACHE, (FR 08/28/95FM) **OPER** **WO**
ADD: 1080-700 4TH AVE SW, CALGARY, AB, 00T2R-03J4 PHONE (505) 327-1376; **EL:** 6406 KB; **LOCATION DATA:** 1 MI S CO2 DISCOVERY-UNNAMED 15-12N-29E FLD 8 MI SE ST JOHNS, AZ; TO REPLACE JUNKED HOLE #1; **TO BE VERTICALLY DRILLED. PERMIT REISSUED:** 08/28/96 **WELL ID CHANGES:** WELL NAME CHGD FROM STATE. FTG CHGD FROM 1383 FNL 1723 FWL.

■ **CONTR:** AZTEC WELL SRVCG, **RIG #** 124 **RIG SUB:**13; **SPUD:** 02/11/97 **CSG:** 4 1/2 @ 2136; **CORE#** 1 (FORT APACHE) 1296-1696 NO RECOVERY; **SHOWS:** FORT APACHE CO2 **2145 TD,** (TD REACHED: 02/ 20/97); . . . 2145 TD, WOCT (LDIR 05/06/97)

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

May 6, 1997

Mr. Don Riggs
Vice President Operations
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

file 896

Dear Mr. Riggs:

I am writing to remind you of certain compliance requirements of this office with respect to your current drilling program. On April 8 I supplied you with several Sundry Notice forms for your use in providing this office with a weekly summary of wellsite activity, including completion testing, for your wells. To date, no weekly reports have been received. These reports are now due, pursuant to A.R.S. § 27-503, for your wells 22-1X, 11-21, 9-21, 10-22, 9-22-29, 10-16-31, and 10-26-29.

In order that our records be accurate and current, in accordance with Arizona statutes, I am enclosing several Sundry Notice Forms and again request your cooperation in bringing these reports up-to-date.

Sincerely,

Steven L. Rauzi
Oil & Gas Administrator

Enclosures

c Walter B. Ruck

*Ridgeway Arizona Oil Corp "State" 09-22-29 Map:AZ
22-9N-29E,Fr SW cor 1091'N 2674'E 02-001-20310
8-5/8c.1135 4-1/2c.3180 State Lease 13-101-536
S-9:30pm-03/30/97(Aztec Well Service) (NPW)
elev:7178'GR 2400'-est.td
3180 Plan to perforate proven reserves, 42' of Fort Apache Zone, 122' of Amos Wash, and new deeper reserves 72' of Raven, 183' of Oak Creek and 146' of Granite Wash.

8/96
*Ridgeway Arizona Oil Corp "State" 10-22 Map:AZ
22-10N-30E,Fr SW cor 660'N 660'E 02-001-20308
8-5/8c.743 4-1/2c.2265 State Lease 13-100-215
8-03/19/97(Aztec Well Service) elev:6878'GR
2300'-est.td (NPW)
2265 Plan to perforate the proven reserves 30' of Fort Apache, 129' of Amos Wash, and the new deeper reserves of 6' of Oak Creek, 136' of Granite Wash. The main objective is the Amos Wash which flowed CO2 gas to surface on a DST with SIP of 410 psi.

*Ridgeway Arizona Oil Corp "State" 10-26-29 Map:AZ
26-10N-29E,Fr SW cor 1206'E 2260'N 02-001-20315
8-5/8c.1118 S-04/18/97(Aztec Well Service) (NPW)
State Lease #13-101-533 ,elev:6932.5'GR
2300'-est.td
1200+ Drilling.

STATE OF NEVADA
GHOST RANCH NYE COUNTY
Eagle Springs Prod LLC "Ghost Ranch Federal" 47-35
35-9N-57E,Fr SW cor 1052'N 2340'E 27-023-05552
7c.4696 S-03/09/97(Caza Drlg #63) elev:4746'GR
(Federal Lease N-42341) 5000'-est.td Map:NV
4696 Testing with Colorado Well Service rig.

LATHROP WELLS
*Westek Resources, Inc. "Wheeling" 1 Map:NV (NFW)
13-16S-51E,Fr NE cor 2100'S 950'W
(Federal Lease N-61369)
Filed notice of staking.

SANS SPRING
Big West Oil & Gas, Inc. "Sans Spring" 5-14A Map:NV
14-7N-56E,Fr NW cor 1700'S 450'E 27-023-05546
S-04/02/97(Caza Drlg 63) (Federal Lease N-47646)
elev:4708'GR 5636'-est.td
???? Released rig 4/14/97. Will move in Colorado Well Service rig when finished at Ghost Ranch.

*Trio Petroleum, Inc. "Federal" 86X-19 Map:NV (NFW)
19-7N-57E,Fr SE cor 2000'N 100'W
(Federal Lease N-55475)
Notice of staking filed 1/28/97.

PERSHING COUNTY
KYLE SPRING
*Evans-Barton, Ltd "Kyle Spring" 11-14 27-027-05005
11-29N-36E,Fr SW cor 1033'N 769'E elev:4786.54'GR
4-1/2c.2500 S-11/06/96(Humboldt Drlg) Map:NV
Federal lease N-58388 2500'-est.td (NFW)
2622 Released rig 11/25/96. Perforated an undisclosed interval. Waiting on a completion rig.

WASHOE COUNTY COUNTY
SAN EMIDIO
San Emidio Resources, Inc. "16" 76-16 Map:NV
16-29N-23E,Fr SE cor aprx.1650'N 990'W
(Buckland Drlg "SER" #1)
Rigging up. Hope to start this weekend or early next week.

STATE OF OREGON
COLUMBIA COUNTY
MIST
Enerfin Resources Northwest "CC" 32-27-65
27-6N-5W,Fr NE cor 1472'S 2422'W 36-009-00322
7c.493 S-09/14/96(Taylor Drlg Co #7) elev:860'KB
2010'Clark/Wilson-est.td Map:OR
2084 Temporarily abandoned 9/20/96.

Munger Oilogram Resume

COMPLETIONS

SAN JOAQUIN VALLEY — STATE OF CALIFORNIA
BELRIDGE-SOUTH — KERN COUNTY

**Torch Operating Co. "Hopkins" 9-10 04-030-07989
9-29S-21E MD,Fr NE cor 874'S 1732'W elev:660'KB
9-5/8c.1152 6-5/8Ld.1190 Map:75-6 Int:1152-1190'
S-04/26/97(Gary Drlg Co #7) Status:OIL (EXT)
1300 Pg1190 TD Drilled. Logged. Cmtd 9-5/8" csg at 1152'. Ran 6-5/8" lnr to 1190'. Released rig 4/28/97.

**Torch Operating Co. "Hopkins" 9-8 04-030-07987
9-29S-21E MD,Fr NE cor 1526'S 1064'W elev:660'KB
9-5/8c.1202 6-5/8Ld.1268 Map:75-6 Int:1202-1268'
S-04/23/97(Gary Drlg Co #7) Status:OIL (EXT)
1450 Pg1268 TD. Drilled. Logged. Cmtd 9-5/8" csg at 1202'. Ran 6-5/8" lnr to 1268'. Released rig 4/26/97.

CYMRIC
Chevron U.S.A. Inc. "1Y" 1914N 04-030-07786
1-30S-21E MD,Fr NE cor 3174'S 868'W elev:956'DF
10-3/4c.362 7c.1560 Map:92-2 Status:OIL
S-04/23/97(Golden State Drlg #8)
1566 Cmtd 10-3/4" csg at 362'. Drilled to TD. Logged. Took SWS. Cmtd 7" csg at 1560'. Released rig 4/25/97.

KERN RIVER
Texaco Expl & Prod Inc. "33" 432 04-030-08035
33-28S-28E MD,Fr NW cor 3693'S 2050'E elev:709'mat
7c.1029 S-04/25/97(Gary Drlg Co #17) Map:71
1029 TD. Drilled. Logged. Cmtd 7" csg at 1029'. Released rig 4/26/97. Status:OIL

Texaco Expl & Prod Inc. "33" 433 04-030-08036
33-28S-28E MD,Fr NW cor 4005'S 2646'E elev:392'mat
7c.972 S-04/23/97(Gary Drlg Co #17) Map:71
972 TD. Drilled. Logged. Cmtd 7" csg at 972'. Released rig 4/24/97. Status:OIL

MIDWAY SUNSET
ARCO Western Energy "Anderson-Goodwin" H104 Map:102
21-31S-22E MD,Fr NW cor 680'E 724'S 04-030-08021
10-3/4c.52 7c.1383 S-04/27/97(Western Drlg #68)
elev:1730'KB Status:OIL
1383 TD. Drilled. Logged. Cmtd 7" csg at 1383'. Released rig 4/29/97.

Berry Petroleum Co. "Berry & Ewing" 169R Map:102-5
31-32S-24E MD,Fr SW cor 1870'E 570'N 04-030-07043
7c.1234 5-1/2Ld.1192-1379 elev:1390'KB Status:OIL
S-6pm-04/26/97(Gary Drlg Co #9) Int:1234-1379'
1379 TD. Drilled. Logged. Cmtd 7" csg at 1234'. Ran 5-1/2" lnr 1192-1379'. Released rig 3am,4/30/97.

Berry Petroleum Co. "Formax West" J-4 04-030-07942
36-32S-23E MD,Fr NE cor 2045'S 2763'W elev:1402'KB
7c.1080 5-1/2Ld.990-1320 Map:102-5 Int:1080-1320'
S-1:30pm-04/25/97(Gary Drlg Co #15) Status:OIL
1432 Pg1320 TD Drilled. Logged. Cmtd 7" csg at 1080'. Ran 5-1/2" lnr 990-1320'. Released rig 9pm,4/30/97.

COASTAL AREA
SANTA MARIA VALLEY — SANTA BARBARA COUNTY
Vintage Petroleum Inc. "Bradley Lands Unit" 54-5
5-9N-33W SB,Fr NE cor 2750'S 2700'W 04-083-22234
16c.485 10-3/4c.4487 7-5/8c.4796 4700'-est.td
S-12/27/96(Cleveland Drlg Co #4) elev:614'KB
4830 Cmtd 10-3/4" csg at 4487'. Drilled to TD. Logged. Cmtd 7-5/8" lnr to 4796', with slots 4457-4796'. Released rig 1/13/97. PP 5/1/97 pumping 100 B/D net oil. Map:123 Int:4487-4796'

SANTA CLARA AVENUE — VENTURA COUNTY
Venoco Inc. "Santa Clara Unit 4" 3 04-111-21849
19-2N-21W SB,Fr int C/L orig Hwy.101 & Santa Clara Ave 6074'NEly 685'NWly R/A's (Surface)
2625'E 1250'N of surf hole (est.BHL) elev:117'KB
9-5/8c.1550 5-1/2c.9900 8800'est.TVD,10050'-est.td
S-04/08/97(Kenai Drlg #44) Directional Map:144-1
9980 Cmtd 9-5/8" csg at 1550'. Drilled to TD. Cmtd 5-1/2" csg at 9900'. Released rig 5pm, 4/26/97.

STATE OF ALASKA
KENAI — SEWARD MERIDIAN
Marathon Oil Co. "Cannery Loop Unit" 5 50-133-20474
7-5N-11W SM,Fr SE cor 180'N 320'W(Surface)
8-5N-11W SM, Fr SW cor 2177'N 2524'E(BHL) Map:AL-7
?c.????? S-10/04/96(Pool Arctic #122) Directional
11424 TVD10238 TD. Drilled, no details. Released rig 12/26/96. Completed as a dual gas zone producer 12/26/96. Status:OIL-12/26/96

PRUDHOE BAY — UMIAT MERIDIAN
ARCO Alaska Inc. "Prudhoe Bay Unit" 05-39 Map:AL-4
32-11N-15E UM,Fr SE cor 2350'N 4115'W(Surface)
32-11N-15E UM,Fr SE cor 1438'N 2549'W(BHL)
?c.????? 50-029-22715 S-11/25/96(Doyon Drlg #9)
Directional Status:OIL-12/25/96
10525 TVD8958 Drilled, no details. Released rig 12/28/96. Completed oil well 12/25/96.

SERVICE WELLS

SAN JOAQUIN VALLEY — STATE OF CALIFORNIA
KERN RIVER — KERN COUNTY
Chevron U.S.A. Inc. "American Naphtha" 11-8I
31-28S-28E MD,Fr E-1/4 cor 1440'S 480'W Map:70-2
2-7/8c.1353 2-7/8c.1356 04-030-07568 elev:707'DF
S-04/21/97(Kenai Drlg #1) Status:STEAMFLOOD
1365 TD. Drilled. Logged. Took SWS. Cmtd dual 2-7/8" tbg strings at 1353' and 1356'. Released rig 4/25/97.

Chevron U.S.A. Inc. "American Naphtha" 356T1
31-28S-28E MD,Fr SE cor 775'N 997'W 04-030-07563
3-1/2c.1388 S-04/25/97(Kenai Drlg #1) elev:709'DF
1400 TD. Drilled. Logged. Took SWS. Cmtd 3-1/2" tbg at 1388'. Released rig 4/28/97. Map:70-2

ABANDONMENTS

STATE OF ALASKA
KUPARUK RIVER-SW — UMIAT MERIDIAN
*ARCO Alaska Inc. "Tarn" 4 50-103-20249 Map:AL-4
1-9N-7E UM,Fr NW cor 1119'S 509'E(straight hole)
?c.???? S-03/12/97(Doyon Drlg #141) (NFW)
6150 Drilled, no details. Released rig 3/22/97.
Plugged and ABANDONED 3/22/97

RIDGEWAY PETROLEUM CORP.

1080,700 - 4th AVENUE S.W., CALGARY, ALBERTA T2P 3J4 TELEPHONE: (403)266-6362
FAX: (403)262-5294 EMAIL: ridgeway@mail.cypronet.com

ARIZONA PROJECT UPDATE

April 23, 1997

Positive results from test wells continue to strengthen confidence that Ridgeway Petroleum corp's Arizona holdings contain one of the largest quality CO2 and helium reserves in North America. The test wells have not only confirmed expectations for the two known production zone production zones in the field but have also identified three additional, deeper zones.

Since completing its $3.2 million financing Ridgeway Petroleum has launched a 10 well delineation program designed to establish reserve estimates for its 600, 000 acre (over 900 sq. miles) Project, of which 200,000 acres are now considered proven and probable based on the two main zones. Fort Apache and Amos Wash. The new zones are Granite Wash, Raven and Oak Creek.

Drilling, while limited to the southeast portion of the field, has shown a continuity throughout both the Fort Apache and Amos Wash and results indicate both zones continue into the State of New Mexico. This projection bolsters Ridgeway's expansion into that state. The company announced on April 16 it has acquired US Federal Petroleum and Natural Gas leases on 81,0000 acres in New Mexico, adding to its 23,000 acres of state leases. This acquisition is an extension of the Arizona Project and it is anticipated that exploration will begin in new Mexico within 60 days.

→ 11-21X (889) visited well on 4-10-97. Met Rissi + Scott on access rd. Well perfed + testing to atmosphere

Testing has started on one of the delineation wells and will begin on three others April 23. Due to drilling difficulties a sixth well has been temporarily suspended, and the company is presently drilling a seventh well in east-central Arizona to a projected total depth of 3,200 feet. The remaining tree wells in the declinations program will test western and northern directions from the discovery hole. All testing and completions are being conducted with the assistance of Schlumberger/Dowell. Results from the first delineation well's completion tests confirm production of CO2 and minor fractions of helium with no formation water. Flow rates will be available after acid cleanup treatment. As a result of core analysis, drill stem testing and a sophisticated logging suite, the three wells currently being prepared for production testing have been assigned the following total pay thickness: Ridgeway State

10-22-T10N-RGE30E (Permit 896)

Fort Apache 30'

Amos Wash 129'

Oak Creek 6'

Granite Wash 136'

Total: 301' to be perforated

(The main reservoir objective is the Amos Wash which flowed CO2 gas to the surface during a drill-stem test with shut-in reservoir pressures of 410 psi.)

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

April 8, 1997

file 896

Mr. Don Riggs
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

Re: Ridgeway #13-36-29 State, Sec. 36-13N-29E, Apache Co., Permit #901
Ridgeway #12-16-28 State, Sec. 16-12N-28E, Apache Co., Permit #902
Ridgeway #10-26-29 State, Sec. 26-10N-29E, Apache Co., Permit #903

Dear Mr. Riggs:

I have enclosed an approved application to drill the referenced wells; Permit Nos. 901, 902, and 903; and filing fee receipt nos. 3099, 3100, and 3101. *A copy of the Permit to Drill must be posted in a conspicuous place at the well site.*

These permits are issued on the condition that you conduct operations in compliance with all applicable rules and substantially as outlined in the drilling prognosis submitted with the application to drill, and that you *notify me at least 24 hours* before you:

1) Commence drilling operations;
2) Run and cement surface casing; and
3) Nipple up and test the BOPE prior to drilling out of the surface casing.

I have enclosed several Sundry Notices (Form 25) for you to provide this office with a weekly summary of wellsite activity (drilling, coring, testing, logging, running casing, etc). These reports are now due for your wells 22-1X, 11-21, 9-21, 10-22, and 9-22-29.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

April 3, 1997

Mr. Don Riggs
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

file 896

Dear Mr. Riggs:

This will acknowledge receipt of the Schlumberger Platform Express Porosity-Lithology, Microlog, and Resistivity logs for the #10-22 State (Permit 896) and the #22-1X State (Permit 888), and the washed and dried cuttings samples for the #9-21 State (Permit 897).

An updated copy of our check list showing the compliance status of your wells through April 3 is attached for your record. This copy supersedes all previous lists.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosure

RIDGEWAY ARIZONA OIL CORPORATION

Compliance status of wells as of 4/3/97

Well	Permit	Drilling Summary	Completion Report	Mudlog & Samples	Wireline Logs	Core Analyses	DST Report	Gas Analyses	Well Signs	Application to P&A	P&A Record	Comments
1 Plateau Cattle	880	On file	On file	On file	On file	n/a	On file	On file	DUE			SI 8/94
1A Plateau Cattle	883	On file	On file	n/a	n/a	n/a	n/a	n/a	DUE	DUE		TA 11/94, Needs P&A
22-1 State	885	On file	DUE	On file	On file	n/a	n/a	n/a	DUE	DUE		TA 8/95, Needs P&A
3-1 State	884	On file	On file	On file	On file	n/a	n/a	On file	DUE			SI 9/95
22-1X State	888	PENDG	PENDG	PENDG	On file	PENDG	PENDG	PENDG	DUE	n/a		SI 2/97, WOCT
11-21 State	895	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
9-21 State	897	PENDG	PENDG	Partial	PENDG	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
10-22 State	896	PENDG	PENDG	PENDG	On file	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
9-22-29 State	898	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		DRLG 4/97

DRILLING ACTIVITY

INITIAL CLASS: WF=NEW FIELD WILDCAT; WD=DEEPER POOL WILDCAT; WS=SHALLOWER POOL WILDCAT; WP=NEW POOL WILDCAT; WO=WILDCAT OUTPOST; D=DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK, LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL — 22-9N-29E — WF
9-22-29 RIDGEWAY
API 02-001-20310
SW SE
1091 FSL 2674 FWL

WILDCAT; PERMIT #898; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7191 KB; **LOCATION DATA:** 15 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 6 MI N SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED. WELL ID CHANGES:** FTG CHGD FROM 1320 FSL 1320 FWL. SPOT CHGD FROM C SW. ELEV CHGD FROM 1748 GR.

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 03/30/97 . . . DRLG 950 (LDIR 04/02/97)

P/N 896

RIDGEWAY ARIZONA OIL — 22-10N-30E — WF
10-22 RIDGEWAY STATE
API 02-001-20308
SW SW
660 FSL 660 FWL

WILDCAT; PERMIT #896; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG. **RIG #**124 **RIG SUB:**13; **SPUD:** 03/21/97 **2300 TD.** (TD REACHED: 03/ 27/97); . . . 2300 TD(APPROX). WOCT (LDIR 04/02/97)

COLORADO

BACA COUNTY

SUMMIT OIL — 33-29S-41W — WF
1-33 KRISTIEN
API 05-009-06571
NW NW
1263 FNL 1239 FWL

WILDCAT; PERMIT #97-210; 6400 ARBUCKLE, (FR 03/21/97DN) **OPER ADD:** 433 W WILSHIRE STE D, OKLAHOMA CITY, OK, 73116 PHONE (405) 842-7888; **EL:** 3811 GR; **LOCATION DATA:** IRREG SEC; 8 MI N GREENWOOD FLD(TOPEKA)6-31S-41W 14 MI E-NE WALSH, CO; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** MURFIN DRLG. **RIG #**22;**SPUD:** 04/02/97 (EST), . . . DRLG-TITE HOLE (LDIR 04/02/97)

ENERGY ALLIANCE — 18-33S-43W — WO
1-18 REDSTONE
API 05-009-06570
SW NE
1323 FNL 1352 FEL

WALSH; PERMIT #96-920; 3400 TOPEKA, (FR 12/18/96DN) **OPER ADD:** BOX 4461, ENGLEWOOD, CO, 80155 PHONE (303) 773-1360; **EL:** 3980 GR; **LOCATION DATA:** 14 1/2 MI S WALSH, CO 1 3/4 MI SW OF FLD(TOPEKA/WABAUNSEE)5-33S-43W 1 1/2 Mi W-NW OF FLD(RED CAVE)16-33S-43W; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** ALLEN DRLG. **RIG #**2;**SPUD:** 03/29/97. **CSG:** RAN SURF CSG; . . . DRLG 1980 (LDIR 04/02/97)

GARFIELD COUNTY

VESSELS O&G — 31-6S-91W — D
1-31 GIBSON GULCH UNIT
API 05-045-07141
NE NE
744 FNL 227 FEL

MAM CREEK; PERMIT #96-961; 5800 WILLIAMS FORK, (FR 12/30/96DN) **OPER ADD:** 1050 17TH ST STE 2000, DENVER, CO, 80265 PHONE (303) 825-3500; **EL:** 5978 GR; **LOCATION DATA:** 5 1/4 MI SE SILT, CO; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** SST ENERGY. **RIG #**1;**SPUD:** 03/24/97. **CSG:** RAN SURF CSG; **5511 TD.** (TD REACHED: 04/ 01/97); . . . 5511 TD, WOCT (LDIR 04/02/97)

VESSELS O&G — 31-6S-91W — D
8-31 GIBSON GULCH UNIT
API 05-045-07142
SE NE
1650 FNL 1120 FEL

MAM CREEK; PERMIT #96-962; 6000 WILLIAMS FORK, (FR 12/30/96DN) **OPER ADD:** 1050 17TH ST STE 2000, DENVER, CO, 80265 PHONE (303) 825-3500; **EL:** 5951 GR; **LOCATION DATA:** 5 1/2 MI SE SILT, CO; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** SST ENERGY. **RIG #**1;**SPUD:** 03/10/97 (EST). **CSG:** RAN SURF CSG; **5350 TD.** (TD REACHED: 03/ 23/97); . . . 5350 TD, WOCT (LDIR 04/02/97)

LA PLATA COUNTY

SG INTERESTS I — 21-32N-7W — D
8E S UTE
API 05-067-08067
SE SW
1059 FSL 1635 FWL

IGNACIO-BLANCO; PERMIT #96-718; 8350 DAKOTA, (FR 10/16/96FM) **OPER ADD:** %SAGLE, SCHWAB & MCLEAN, BOX 2677, DURANGO, CO, 81302 PHONE (970) 259-2701; **EL:** 6687 KB; **LOCATION DATA:** 7 3/4 MI S IGNACIO, CO; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** FOUR CORNERS DRLG. **RIG #**4 **RIG SUB:**12; **SPUD:** 01/04/97 **8320 TD.** (DAKOTA) (TD REACHED: 01/ 17/97); . . . 8320 TD, COMPLETING (LDIR 04/02/97)

MOFFAT COUNTY

MARATHON OIL — 4-11N-96W — WF
4-1 HORSE DRAW
API 05-081-06923
NW NW
1174 FNL 499 FWL

WILDCAT; PERMIT #97-170; 10591 ALMOND, (FR 03/06/97CA) **OPER ADD:** 1501 STAMPEDE AVE, CODY, WY, 82414 PHONE (307) 587-4961; **EL:** 6477 GR; **LOCATION DATA:** 6 1/2 MI SW LITTLE SNAKE FLD(LEWIS) 5 MI W POWDER WASH FLD(WASATCH/FORT UNION) 23 MI E-SE HIAWATHA, CO; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** NABORS DRLG USA. **RIG #**931;**SPUD:** 03/24/97 (EST), . . . DRLG(TITE) (LDIR 04/02/97)

ARCO Alaska Inc. "Prudhoe Bay Unit" 15-02A Map:AL-4
22-11N-14E UM,Fr NW cor 1441'S 2851'E(Surface)
21-11N-14E UM,Fr SW cor 1119'N 1274'E(BHL)
21-11N-14E UM,Fr NE cor 2701'S 4301'W(BHL-RD)
20c.110 13-3/8c.2675 9-5/8W.???? ?c.?????
50-029-20697-01 Rsm-09/29/96(Nabors Drlg #3ES)
(Parker Drlg Co #176) S-2/12/82 Rig rel-3/8/82
Directional Status:OIL-11/08/96
12390 TVD8976 Recompleted oil well 11/8/96.

ARCO Alaska Inc. "Prudhoe Bay Unit" 17-19A Map:AL-5
22-10N-15E UM,Fr NW cor 2534'S 4288'E(Surface)
21-10N-15E UM,Fr NW cor 2872'S 2236'E(BHL)
20-10N-15E UM,Fr SE cor 4142'N 205'W(est.BHL-RD)
20c.110 10-3/4c.3845 7-5/8x7c.10406 Directional
50-029-22297-01 Rsm-03/27/97(Doyon Drlg #16)
(Nabors Drlg #18E) S-10:30am,10/20/92 Rel-11/4/92
10415 Pg10322 Issued permit #97-55 on 3/27/97.
Resumed 3/27/97 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" B-12A
31-11N-14E UM,Fr NE cor 1850'S 1609'W(Surface)
31-11N-14E UM,Fr NE cor 3458'S 726'W(BHL)
31-11N-14E UM,Fr SE cor 1299'N 332'W(est.BHL-RD)
13-3/8c.2677 9-5/8c.8618 7c.9505 50-029-20332-01
(Brinkerhoff Drlg #36) S-11/20/78 Rig rel-12/7/78
Rsm-03/26/97(Doyon Drlg #141) Directional
9515 Pg9459 Resumed 3/26/97 for redrill #1.
Map:AL-4

File P/N 096

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" D-06A
23-11N-13E UM,Fr NE cor 2380'S 1067'W(Surface)
23-11N-13E UM,Fr NE cor 596'S 1978'W(BHL)
24-11N-13E UM,Fr SE cor 4652'N 5066'W(est.BHL-RD)
13-3/8c.2680 9-5/8c.8391 7c.9600 50-029-20148-01
(Brinkerhoff Drlg #36) S-5/16/75 Suspended 6/27/75
Directional Map:AL-4
9600 TVD9253 Issued permit #97-43 on 3/27/97 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" P-24
31-11N-13E UM,Fr SE cor 2359'N 3138'W(Surface)
25-11N-12E UM,Fr SE cor 1946'N 2835'W(est.BHL)
50-029-22755 S-03/27/97(Doyon Drlg #9) Map:AL-4
Directional
???? Issued permit #97-54 on 3/27/97. Drilling ahead, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" P-25
31-11N-13E UM,Fr SE cor 2644'N 2529'W(Surf)
30-11N-13E UM, Fr SE cor 376'N 4837'W(est BHL)
?c.????? 50-029-22742 Directional Map:AL-4
S-4pm-03/12/97(Doyon Drlg #9)
10135 Released rig 3/27/97.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" S-22B
35-12N-12E UM,Fr NW cor 1629'S 793'E(Surface)
27-12N-12E UM,Fr SE cor 4709'N 2055'W(BHL)
34-12N-12E UM,Fr NW cor 27'S 3322'E(est.BHL-RD)
27-12N-12E UM,Fr SE cor 1193'N 2184'W(est.BHL-RD2)
20c.110 13-3/8c.2685 9-5/8W.8453 50-029-22119-02
(Nabors Drlg #18E) S-8pm,12/20/90 Rig rel-1/9/91
(Doyon Drlg #14) Rsm-8pm,7/28/93 Rig rel-8/8/93
Directional Map:AL-4
10242 RD10070 Issued permit #97-51 on 3/27/97 for redrill #2 as a service well.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" S-43L1
35-12N-12E UM,Fr SE cor 4211'N 4503'W(Surface)
26-12N-12E UM,Fr SE cor 2858'N 229'W(est.BHL)
26-12N-12E UM,Fr SE cor 2858'N 229'W(est.BHL-L1)
50-029-22754 Directional Map:AL-4
Issued permit #97-52 on 3/27/97. Issued permit #97-53 on 3/27/97 for a lateral leg.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" S-44L1
35-12N-12E UM,Fr SE cor 4242'N 4502'W(Surface)
27-12N-12E UM,Fr SE cor 747'N 4811'W(est.BHL)
33-12N-12E UM,Fr SE cor 5093'N 993'W(est.BHL-L1)
50-029-22735-60 S-03/02/97(Nabors Drlg #18E)
Directional Map:AL-4
???? Drilling, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" Z-32BL1
19-11N-12E UM,Fr NW cor 713'S 1253'E(Surface)
18-11N-12E UM,Fr NE cor 691'S 4355'W(BHL)
18-11N-12E UM,Fr SW cor 3768'N 447'E(BHL-RD)
12-11N-12E UM,Fr SE cor 1831'N 1339'W(est.BHL-RD2)
12-11N-12E UM,Fr SE cor 181'N 2526'W(est.BHL-L1)
20c.110 13-3/8c.2668 9-5/8W.???? 50-029-21924-62
(Alaska United #2) S-1am,3/28/89 Rig rel-4/17/89
(Doyon Drlg #14) Rsm-2pm,8/14/93 Rig rel-8/30/93
Rsm-03/04/97(Nabors Drlg #2ES) Directional
11330 RD10830 Resumed 3/4/97 for redrill #2.
Map:AL-4

OTHER WESTERN STATES

STATE OF ARIZONA

ST JOHNS — APACHE COUNTY

*Ridgeway Arizona Oil Corp "State" 09-22-29 Map:AZ
22-9N-29E,Fr SW cor 1091'N 2674'E 02-001-20310
8-5/8c.1135 S-9:30pm-03/30/97(Aztec Well Service)
State Lease 13-101-536 elev:7178'GR 2400'-est.td
1135 Cmtd 8-5/8" csg at 1135'. (NPW)

*Ridgeway Arizona Oil Corp "State" 10-22 Map:AZ
22-10N-30E,Fr SW cor 660'N 660'E 02-001-20308
8-5/8c.743 4-1/2c.2265 State Lease 13-100-215
S-03/19/97(Aztec Well Service) elev:6878'GR
2300'-est.td (NPW)
2265 TD. Drilled. CO2 was identified throughout the reservoir. Cmtd 4-1/2" csg at 2265'. Released rig 3/30/97. Evaluating logs and cores.

STATE OF NEVADA

GHOST RANCH — NYE COUNTY

Eagle Springs Prod LLC "Ghost Ranch Federal" 47-35
35-9N-57E,Fr SW cor 1052'N 2340'E 27-023-05552
7c.4696 S-03/09/97(Caza Drlg #63) elev:4746'GR
(Federal Lease N-42341) 5000'-est.td Map:NV
4696 TD. Drilled. Cmtd 7" csg at 4696'. Released rig. Preparing to move in Colorado Well Service next week for completion.

**Makoil, Inc. "Ghost Ranch" 2-21 27-023-05551 (EXT)
2-8N-57E,Fr NW cor 750'S 2350'E elev:4743'GR
Federal Lease #N-42341 5000'-est.td Map:NV
Issued permit #798.

**Makoil, Inc. "Ghost Ranch" 2-21X Map:NV (EXT)
2-8N-57E,Fr NW cor 430'S 2310'E
(Federal Lease N-42341)
Filed notice of staking 2/27/97.

SANS SPRING
Big West Oil & Gas, Inc. "Sans Spring" 5-14A Map:NV
14-7N-56E,Fr NW cor 1700'S 450'E 27-023-05546
S-04/02/97(Caza Drlg 63) (Federal Lease N-47646)
elev:4708'GR 5636'-est.td
???? Drilling, "no dope" hole.

*Trio Petroleum, Inc. "Federal" 86X-19 Map:NV (NPW)
19-7N-57E,Fr SE cor 2000'N 100'W
(Federal Lease N-55475)
Notice of staking filed 1/28/97.

KYLE SPRING — PERSHING COUNTY

*Evans-Barton, Ltd "Kyle Spring" 11-14 27-027-05005
11-29N-36E,Fr SW cor 1033'N 769'E elev:4786.54'GR
4-1/2c.2500 S-11/06/96(Humboldt Drlg) Map:NV
Federal Lease N-58388 2500'-est.td (NPW)
2622 Released rig 11/25/96. Evaluating.

STATE OF OREGON

MIST — COLUMBIA COUNTY

Enerfin Resources Northwest "CC" 32-27-65
27-6N-5W,Fr NE cor 1472'S 2422'W 36-009-00322
7c.493 S-09/14/96(Taylor Drlg Co #7) elev:860'KB
2010'Clark/Wilson-est.td Map:OR
2084 Temporarily abandoned 9/20/96.

Munger Oilogram Resume

**** CORRECTED LOCATIONS, NEW WELLS ****

STATE OF ALASKA

MILNE POINT — UMIAT MERIDIAN

BP Expl (Alaska) Inc. "Milne Point Unit" E-14
25-13N-10E UM,Fr SE cor 3590'N 1918'W(Surface)
36-13N-10E UM,Fr SE cor 4601'N 4898'W(est.BHL)
50-029-22734 S-04/01/97(Nabors Drlg #27E)
Directional Map:AL-4

********** COMPLETIONS **********

STATE OF CALIFORNIA

SAN JOAQUIN VALLEY

CYMRIC — KERN COUNTY

Chevron U.S.A. Inc. "1Y" 2216S 04-030-07792
1-30S-21E MD,Fr NE cor 3769'S 294'W elev:896'DF
10-3/4c.365 7c.1650 Map:92-2 Status:OIL
S-03/30/97(Golden State Drlg #8)
1655 Cmtd 10-3/4" csg at 365'. Drilled to TD. Logged. Took SWS. Cmtd 7" csg at 1650'. Released rig 4/1/97.

ARCO Alaska Inc. "Kuparuk River Unit" 3O-20
22-13N-9E UM,Fr NW cor 962'S 1979'E(Surface)
26-13N-9E UM,Fr NW cor 1366'S 1316'E(est.BHL)
16c.121 7-5/8c.6308 50-029-22750 Directional
S-03/20/97(Parker Drlg Co #245) Map:AL-4
9101 Cmtd 7-5/8" csg at 6308'. Drilling ahead.

KUPARUK RIVER-SW
*ARCO Alaska Inc. "Tarn" 4 50-103-20249 Map:AL-4
1-9N-7E UM,Fr NW cor 1119'S 509'E(straight hole)
?c.???? S-03/12/97(Doyon Drlg #141) (NPW)
???? Drilled, no details. Released rig 3/22/97.

MILNE POINT
BP Expl (Alaska) Inc. "Milne Point Unit" E-18
25-13N-10E UM,Fr SE cor 3661'N 1974'W(Surface)
23-13N-10E UM,Fr SE cor 1504'N 1242'W(est.BHL)
50-029-22748 S-03/22/97(Nabors Drlg #27E)
Directional Map:AL-4
???? Revised estimated BHL on 3/20/97. Drilling ahead, no details.

BP Expl (Alaska) Inc. "Milne Point Unit" E-19
25-13N-10E UM,Fr SE cor 3711'N 1812'W(Surface)
24-13N-10E UM,Fr SE cor 746'N 4367'W(est.BHL)
50-029-22746 S-03/13/97(Nabors Drlg #27E)
Directional Map:AL-4
???? Drilled, no details. Released rig 3/22/97.

BP Expl (Alaska) Inc. "Milne Point Unit" F-42
6-13N-10E UM,Fr SE cor 2019'N 2715'E(Surface)
24-14N-9E UM,Fr SE cor 278'N 4860'W(est.BHL)
50-029-22741 Directional Map:AL-4
Issued permit #97-20 on 2/1/97.

BP Expl (Alaska) Inc. "Milne Point Unit" F-57
6-13N-10E UM,Fr SE cor 2052'N 2555'W(Surface)
28-14N-10E UM,Fr SE cor 819'N 3419'W(est.BHL)
50-029-22747 S-03/09/97(Nabors Drlg #22E)
Directional Map:AL-4
???? Drilled, no details. Released rig 3/25/97.

BP Expl (Alaska) Inc. "Milne Point Unit" F-65
6-13N-10E UM,Fr SE cor 2101'N 2520'W(Surface)
29-14N-10E UM,Fr SE cor 3352'N 1634'W(est.BHL)
50-029-22752 S-03/25/97(Nabors Drlg #22E)
Directional Map:AL-4
???? Issued permit #97-49 on 3/21/97. Drilling ahead, no details.

NIAKUK
BP Expl (Alaska) Inc. "Niakuk" NK-15 50-029-22745
36-12N-15E UM,Fr SE cor 1373'N 918'W(Surface)
14-12N-15E UM,Fr SE cor 1514'N 1801'W(est.BHL)
S-03/05/97(Pool Arctic #7) Directional Map:AL-5
???? Drilling, no details.

POINT MCINTYRE
ARCO Alaska Inc. "Point McIntyre" P2-03 Directional
11-12N-14E UM,Fr SW cor 47'N 1004'E(Surface)
10-12N-14E UM,Fr SE cor 2777'N 1264'W(est.BHL)
50-029-22749 S-03/24/97(Doyon Drlg #14) Map:AL-4
5265 Drilled. Running casing.

PRUDHOE BAY
ARCO Alaska Inc. "Prudhoe Bay Unit" 03-15AL1
10-10N-15E UM,Fr SE cor 1131'N 54'W(Surf)
16-10N-15E UM,Fr NE cor 2110'S 1620'W(BHL)
16-10N-15E UM,Fr NE cor 1681'S 1191'W(BHL-RD)
16-10N-15E UM,Fr NE cor 2345'S 2962'W(est BHL-L1)
20c.80 13-3/8c.2720 9-5/8W.???? 50-029-20414-61
(Doyon Drlg #16) Rsm-7pm,2/14/93 Rig rel-3/5/93
(Rowan Drlg #35) S-1/15/80 Rig rel-2/21/80
Rsm-03/01/97(Nabors Drlg #3RS) Directional
13325 RD12768 Resumed 3/1/97 for drilling a lateral leg. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" H-22A
21-11N-13E UM,Fr NE cor 603'S 1266'W(Surface)
21-11N-13E UM,Fr NE cor 3073'S 2429'W(BHL)
21-11N-13E UM,Fr NE cor 3811'S 2794'W(est.BHL-RD)
13-3/8c.2695 9-5/8c.9383 7c.8803-11035 Directional
50-029-21588-01 Map:AL-4
(Nabors Drlg #18E) S-5/17/86 Rig rel-6/4/86
10035 Pg9992 Issued permit #97-48 on 3/21/97 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" M-09A
1-11N-12E UM,Fr NE cor 2373'S 606'W(Surface)
12-11N-12E UM,Fr NW cor 429'S 1661'E(BHL)
1-11N-12E UM,Fr SE cor 759'N 4271'W(est.BHL-RD)
13-3/8c.2684 9-5/8W.???? 7c.????? 50-029-20563-01
(Brinkerhoff Drlg #36) S-5/9/81 Rig rel-5/31/81
Rsm-02/25/97(Doyon Drlg #14) Directional
11052 Released rig 3/20/97. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" P-25
31-11N-13E UM,Fr SE cor 2644'N 2529'W(Surf)
30-11N-13E UM, Fr SE cor 376'N 4837'W(est BHL)
50-029-22742 S-4pm-03/12/97(Doyon Drlg #9)
Directional Map:AL-4
10135 Cementing 7" casing.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" S-44L1
35-12N-12E UM,Fr SE cor 4242'N 4502'W(Surface)
27-12N-12E UM,Fr SE cor 747'N 4811'W(est.BHL)
33-12N-12E UM,Fr SE cor 5093'N 993'W(est.BHL-L1)
50-029-22735-60 S-03/02/97(Nabors Drlg #18E)
Directional Map:AL-4
???? Drilling, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" Z-32BL1
19-11N-12E UM,Fr NW cor 713'S 1253'E(Surface)
18-11N-12E UM,Fr NE cor 691'S 4355'W(BHL)
18-11N-12E UM,Fr SW cor 3768'N 447'E(BHL-RD)
12-11N-12E UM,Fr SE cor 1831'N 1339'W(est.BHL-RD2)
12-11N-12E UM,Fr SE cor 181'N 2526'W(est.BHL-L1)
20c.110 13-3/8c.2668 9-5/8W.???? 50-029-21924-62
(Alaska United #2) S-1am,3/28/89 Rig rel-4/17/89
(Doyon Drlg #14) Rsm-2pm,8/14/93 Rig rel-8/30/93
Rsm-03/04/97(Nabors Drlg #2ES) Directional
11330 RD10830 Resumed 3/4/97 for redrill #2.
Map:AL-4

OTHER WESTERN STATES

STATE OF ARIZONA
APACHE COUNTY

ST JOHNS
*Ridgeway Arizona Oil Corp "State" 09-21 Map:AZ
21-9N-31E,Fr NE cor 1980'S 1980'W 02-001-20309
8-5/8c.1236 4-1/2c.2600aprx State Lease 13-101-334
S-03/06/97(Aztec Well Service) elev:7198'GR
2300'-est.td (NPW)
2685 TD. Cored 7-7/8" hole. Cmtd 4-1/2" csg at aprx.2600'. Released rig 3/18/97. Evaluating logs and cores. Carbon Dioxide was identified throughout the cored area.

*Ridgeway Arizona Oil Corp "State" 09-22-29 Map:AZ.
22-9N-29E,Fr SW cor 1091'N 2674'E 02-001-20310
State Lease 13-101-536 (Aztec Well Service)
elev:7146'GR 2400'-est.td (NPW)
Ammended location.

*Ridgeway Arizona Oil Corp "State" 10-16-31 Map:AZ
16-10N-31E,Fr SW cor 1980'N 1980'E 02-001-20311
State Lease 13-101-540 (Aztec Well Service)
elev:7246'GR 2400'-est.td (NPW)
Issued permit #899 on 3/13/97.

*Ridgeway Arizona Oil Corp "State" 10-22 Map:AZ
22-10N-30E,Fr SW cor 660'N 660'E 02-001-20308
8-5/8c.743 S-03/19/97(Aztec Well Service) (NPW)
State Lease 13-100-215 elev:6978'GR 2300'-est.td
800+ Cmtd 8-5/8" csg at 743'. Drilling ahead.

*Ridgeway Arizona Oil Corp "State" 12-15-30 Map:AZ
15-12N-30E,Fr SW cor 1980'N 1980'E 02-001-20312
State Lease 13-101-545 (Aztec Well Service)
elev:6712'GR 2400'-est.td (NPW)
Issued permit #900 on 3/13/97.

STATE OF NEVADA
NYE COUNTY

GHOST RANCH
Eagle Springs Prod LLC "Ghost Ranch Federal" 47-35
35-9N-57E,Fr SW cor 1052'N 2340'E 27-023-05552
S-03/09/97(Caza Drlg #63) (Federal Lease N-42341)
elev:4746'GR 5000'-est.td Map:NV
???? Drilled, "tight hole". Released rig.
Preparing to move in Colorado Well Service for completion.

**Makoil, Inc. "Ghost Ranch" 2-21 27-023-05551 (EXT)
2-8N-57E,Fr NW cor 750'S 2350'E elev:4743'GR
Federal Lease #N-42341 5000'-est.td Map:NV
Issued permit #798.

**Makoil, Inc. "Ghost Ranch" 2-21X Map:NV (EXT)
2-8N-57E,Fr NW cor 430'S 2310'E
(Federal Lease N-42341)
Filed notice of staking 2/27/97.

SANS SPRING
Big West Oil & Gas, Inc. "Sans Spring" 5-14A Map:NV
14-7N-56E,Fr NW cor 1700'S 450'E 27-023-05546
(Federal Lease N-47646) (Caza Drlg 63)
elev:4708'GR 5636'-est.td
Preparing to move in equipment.

*Trio Petroleum, Inc. "Federal" 86X-19 Map:NV (NPW)
19-7N-57E,Fr SE cor 2000'N 100'W
(Federal Lease N-55475)
Notice of staking filed 1/28/97.

DRILLING PROGRESS

INITIAL CLASS: WF = NEW FIELD WILDCAT; WD = DEEPER POOL WILDCAT; WS = SHALLOWER POOL WILDCAT; WP = NEW POOL WILDCAT; WO = WILDCAT OUTPOST; D = DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK. LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL — **22-9N-29E** — **WF**
9-22-29 RIDGEWAY
API 02-001-20310
C SW
1320 FSL 1320 FWL

WILDCAT; PERMIT #898; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7146 GR; **LOCATION DATA:** 15 MI S UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 6 MI N SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

CONTR: AZTEC WELL SRVCG; **LOC;**

RIDGEWAY ARIZONA OIL — **21-9N-31E** — **WF**
9-21 RIDGEWAY STATE
API 02-001-20309
SW NE
1980 FNL 1980 FEL

WILDCAT; PERMIT #897; 2300 FORT APACHE, (FR 03/03/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7211 KB; **LOCATION DATA:** 17 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC NE 3-11N-29E 10 1/2 MI E-NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 03/08/97 **CSG:** 4 1/2 @ 2680; **2680 TD,** (TD REACHED: 03/ 16/97); . . . 2680 TD, WOCT (LDIR 03/18/97)

P/N 896

RIDGEWAY ARIZONA OIL — **22-10N-30E** — **WF**
10-22 RIDGEWAY STATE
API 02-001-20308
SW SW
660 FSL 660 FWL

WILDCAT; PERMIT #896; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 03/21/97 . . . DRLG 1578 (LDIR 03/25/97)

RIDGEWAY ARIZONA OIL — **16-10N-31E** — **WF**
10-16-31 RIDGEWAY
API 02-001-20311
NE SW
1980 FSL 1980 FWL

WILDCAT; PERMIT #899; 2400 FORT APACHE, (FR 03/17/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7246 GR; **LOCATION DATA:** 13 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 16 MI NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

CONTR: AZTEC WELL SRVCG; **LOC;**

RIDGEWAY ARIZONA OIL — **2-11N-29E** — **WO**
2-1 RIDGEWAY STATE
API 02-001-20305
SE NW
1660 FNL 1660 FWL

UNNAMED; PERMIT #893; 2465 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6710 GR; **LOCATION DATA:** 1/2 E FORT APACHE CO2 DISC 3-11N-29E UNNAMED 8 1/2 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

LOC;

RIDGEWAY ARIZONA OIL — **10-11N-29E** — **WO**
10-1 RIDGEWAY STATE
API 02-001-20303
SW NE
1660 FNL 1660 FEL

UNNAMED; PERMIT #891; 2485 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6654 GR; **LOCATION DATA:** 1/3 MI S FORT APACHE CO2 DISC SE 3-11N-29E UNNAMED 9 1/2 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

CONTR: AZTEC WELL SRVCG; **LOC;**

RIDGEWAY ARIZONA OIL — **11-11N-29E** — **WO**
11-1 RIDGEWAY STATE
API 02-001-20304
SE NW
1775 FNL 1660 FWL

UNNAMED; PERMIT #892; 2680 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6824 GR; **LOCATION DATA:** 1/3 MI SE FORT APACHE CO2 DISC 3-11N-29E UNNAMED 10 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

LOC;

RIDGEWAY ARIZONA OIL — **21-11N-30E** — **WF**
11-21 RIDGEWAY STATE
API 02-001-20307
NE SW
1980 FSL 1980 FWL

WILDCAT; PERMIT #895; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6931 KB; **LOCATION DATA:** 4 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 13 1/2 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

CONTR: AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 02/21/97 **CSG:** 8 5/8 @ 855, 4 1/2 @ 2410; **2410 TD,** (TD REACHED: 03/ 02/97); . . . 2410 TD, WOCT (LDIR 03/04/97)

RIDGEWAY ARIZONA OIL — **22-12N-29E** — **WO**
22-1X RIDGEWAY STATE
API 02-001-20301
SE NW
1363 FNL 1713 FWL

UNNAMED; PERMIT #888; 2300 FORT APACHE, (FR 08/28/95FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AB, 00T2R-03J4 PHONE (505) 327-1376; **EL:** 6406 KB; **LOCATION DATA:** 1 MI S CO2 DISCOVERY-UNNAMED 15-12N-29E FLD 8 MI SE ST JOHNS, AZ; TO REPLACE JUNKED HOLE #1; **TO BE VERTICALLY DRILLED. PERMIT REISSUED:** 08/28/96 **WELL ID CHANGES:** WELL NAME CHGD FROM STATE. FTG CHGD FROM 1383 FNL 1723 FWL.

CONTR: AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 02/11/97 **CSG:** 4 1/2 @ 2136; **CORE#** 1 (FORT APACHE) 1296-1696 NO RECOVERY; **SHOWS:** FORT APACHE CO2 **2136 TD,** (TD REACHED: 02/ 20/97); . . . 2136 TD, WOCT (LDIR 02/25/97)

RIDGEWAY ARIZONA OIL — **35-12N-29E** — **WO**
35-1 RIDGEWAY STATE
API 02-001-20302
NE SW
1660 FSL 1660 FWL

UNNAMED; PERMIT #890; 2500 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6689 GR; **LOCATION DATA:** 3/4 MI NE FORT APACHE CO2 DISC SE 3-11N-29E UNNAMED 10 1/2 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

CONTR: AZTEC WELL SRVCG; **LOC;**

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

March 25, 1997

Mr. Don Riggs
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

file 896

Dear Mr. Riggs:

A copy of the amended application to drill the 9-22-29 well showing the amended location and elevation is enclosed for your file.

I have also enclosed a copy of R12-7-121, *Well Completion and Filing Requirements* and a check list showing the current compliance status of your wells. Let me know if you disagree with anything on the list.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

RIDGEWAY ARIZONA OIL CORPORATION

Compliance status of wells as of 3/25/97

Well	Permit	Drilling Summary	Completion Report	Samples	Logs	Core Analyses	DST Report	Gas Analyses	Well Signs	Application to P&A	P&A Record	Comments
1 Plateau Cattle	880	On file	On file	On file	On file	n/a	On file	On file	DUE			SI 8/94
1A Plateau Cattle	883	On file	On file	n/a	n/a	n/a	n/a	n/a	DUE	DUE		TA 11/94, Needs P&A
22-1 State	885	On file	DUE	On file	On file	n/a	n/a	n/a	DUE	DUE		TA 8/95, Needs P&A
3-1 State	884	On file	On file	On file	On file	n/a	n/a	On file	DUE			SI 9/95
22-1X State	888	PENDG	PENDG	PENDG	On file	PENDG	PENDG	PENDG	DUE	n/a		SI 2/97, WOCT
11-21 State	895	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
9-21 State	897	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
10-22 State	896	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		DRLG 3/97

3-19-97 @ 8:30p (10-22) PIN 896

Lost returns @ 254'

Will mix lost circ pill, wait ~2hrs, update me ~7:30a

Had long talk w/ Mike Rice, ASLD.

- Was upset about 22-1X (1st well this round).
- Haven't submitted plan of operation to ASLD.
- Time frame for SHPO review of Arch Survey.

⇒ Strongly suggested that no more locations be built

3-20-97 @ 8:00a

Drlg @ 375' without returns, slow ~ 15'/hr

Drlg is hard + taking a lot of wtr.

Css point is 730' so not until tomorrow at earliest.

Walter talked to Mike Rice yesterday, all plans of operation completed + faxed yesterday and Expressed mail originals. Thought ASLD would be able to give permission today.

Call Mike Rice, 542-2685

He advised Ridgeway one step ahead of being in compliance.

- Need plan of operation required by lease.
  - archeological survey (SHPO review + comment)
  - saleable timber to be removed, site clearance.

I suggest I include plan of operation with each application I mail out to potential permittee's.

- He will mail a plan of operation and standard lease form to me.

PET

DRILLING PROGRESS

INITIAL CLASS: WF=NEW FIELD WILDCAT; WD=DEEPER POOL WILDCAT; WS=SHALLOWER POOL WILDCAT; WP=NEW POOL WILDCAT; WO=WILDCAT OUTPOST; D=DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK. LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL — 21-9N-31E — WF
9-21 RIDGEWAY STATE
API 02-001-20309
SW NE
1980 FNL 1980 FEL
WILDCAT; PERMIT #897; 2300 FORT APACHE, (FR 03/03/97FM) **OPER ADD:** BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; **EL:** 7211 KB; **LOCATION DATA:** 17 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC NE 3-11N-29E 10 1/2 MI E-NE SPRINGERVILLE, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 03/08/97 **CSG:** 4 1/2 @ 2680; **2680 TD.** (TD REACHED: 03/ 16/97); . . . 2680 TD, WOCT (LDIR 03/18/97)

P/N 896

RIDGEWAY ARIZONA OIL — 22-10N-30E — WF
10-22 RIDGEWAY STATE
API 02-001-20308
SW SW
660 FSL 660 FWL
WILDCAT; PERMIT #896; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6891 KB; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 20 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

■ **CONTR:** AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; MIRT; (LDIR 03/18/97)

RIDGEWAY ARIZONA OIL — 2-11N-29E — WO
2-1 RIDGEWAY STATE
API 02-001-20305
SE NW
1660 FNL 1660 FWL
UNNAMED; PERMIT #893; 2465 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6710 GR; **LOCATION DATA:** 1/2 E FORT APACHE CO2 DISC 3-11N-29E UNNAMED 8 1/2 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

LOC;

RIDGEWAY ARIZONA OIL — 10-11N-29E — WO
10-1 RIDGEWAY STATE
API 02-001-20303
SW NE
1660 FNL 1660 FEL
UNNAMED; PERMIT #891; 2485 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6654 GR; **LOCATION DATA:** 1/3 MI S FORT APACHE CO2 DISC SE 3-11N-29E UNNAMED 9 1/2 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

CONTR: AZTEC WELL SRVCG; LOC;

RIDGEWAY ARIZONA OIL — 11-11N-29E — WO
11-1 RIDGEWAY STATE
API 02-001-20304
SE NW
1775 FNL 1660 FWL
UNNAMED; PERMIT #892; 2680 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6824 GR; **LOCATION DATA:** 1/3 MI SE FORT APACHE CO2 DISC 3-11N-29E UNNAMED 10 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

LOC;

RIDGEWAY ARIZONA OIL — 21-11N-30E — WF
11-21 RIDGEWAY STATE
API 02-001-20307
NE SW
1980 FSL 1980 FWL
WILDCAT; PERMIT #895; 2300 FORT APACHE, (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6931 KB; **LOCATION DATA:** 4 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 13 1/2 MI SE ST JOHNS, AZ; **TO BE VERTICALLY DRILLED.**

CONTR: AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 02/21/97 **CSG:** 8 5/8 @ 855, 4 1/2 @ 2410; **2410 TD.** (TD REACHED: 03/ 02/97); . . . 2410 TD, WOCT (LDIR 03/04/97)

RIDGEWAY ARIZONA OIL — 22-12N-29E — WO
22-1X RIDGEWAY STATE
API 02-001-20301
SE NW
1363 FNL 1713 FWL
UNNAMED; PERMIT #888; 2300 FORT APACHE, (FR 08/28/95FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AB, 00T2R-03J4 PHONE (505) 327-1376; **EL:** 6406 KB; **LOCATION DATA:** 1 MI S CO2 DISCOVERY-UNNAMED 15-12N-29E FLD 8 MI SE ST JOHNS, AZ; TO REPLACE JUNKED HOLE #1; **TO BE VERTICALLY DRILLED. PERMIT REISSUED:** 08/28/96 **WELL ID CHANGES:** WELL NAME CHGD FROM STATE. FTG CHGD FROM 1383 FNL 1723 FWL.

CONTR: AZTEC WELL SRVCG, **RIG #**124 **RIG SUB:**13; **SPUD:** 02/11/97 **CSG:** 4 1/2 @ 2136; **CORE#** 1 (FORT APACHE) 1296-1696 NO RECOVERY; **SHOWS:** FORT APACHE CO2 **2136 TD,** (TD REACHED: 02/ 20/97); . . . 2136 TD, WOCT (LDIR 02/25/97)

RIDGEWAY ARIZONA OIL — 35-12N-29E — WO
35-1 RIDGEWAY STATE
API 02-001-20302
NE SW
1660 FSL 1660 FWL
UNNAMED; PERMIT #890; 2500 FORT APACHE, (FR 10/20/95FM) **OPER ADD:** 1080 700 4TH AVE SW, CALGARY ALB T2P 3J4, PHONE (800) 347-0294; **EL:** 6689 GR; **LOCATION DATA:** 3/4 MI NE FORT APACHE CO2 DISC SE 3-11N-29E UNNAMED 10 1/2 MI SE ST JOHNS, AZ; **PERMIT REISSUED:** 10/20/96

CONTR: AZTEC WELL SRVCG; **LOC;**

PETROSUN E&P — 15-14N-25E — WF
15-1 NEW MEXICO & ARIZONA LAND CO
API 02-001-20306
SE NE
1445 FNL 1050 FEL
WILDCAT; PERMIT #894; 3800 PRECAMBRIAN, (FR 06/10/96FM) **OPER ADD:** 6836 E LUDLOW, SCOTTSDALE, AZ, 85254 PHONE (602) 998-9771; **EL:** 5552 GR; **LOCATION DATA:** 30 MI S-SW PINTA DOME FLD(COCONINO)ABND 1 1/2 MI SW HUNT, NM; PRIMARY TARGET: DEVONIAN; **TO BE VERTICALLY DRILLED.**

CONTR: UNITED DRLG, **RIG #**3;**SPUD:** 06/17/96, **CSG:** 5 1/2 @ 1342; **DST #** 1 (SUPAI) 1034-1062, OP 15 MIN, SI 30 MIN, OP 30 MIN, SI 1 HR, REC: 200 FT MDYWTR, 305 FT WTR, IFP 51, FFP 167, IFP 178, FFP 308, ISIP 388, FSIP 391, IHP 547; **DRLG COMMENTS:** OPR REPORTS ROTARY BUSHING BLEW OUT OF HOLE WITH MUD & METHANE IN SUPAI @ 1202-1232. METHANE GAS SHOW @ 1034-1062. **SHOWS:** 1034-1062 SUPAI OIL 1034-1062 SUPAI GAS **3648 TD,** (TD REACHED: 07/ 04/96); **PROD TEST(S): PERF** (SUPAI) 1204-1220, SWBD NTGN AMT NOT RPTD. . . . 3648 TD, WOE(TO PERF 1034-1062) (LDIR 02/17/97)

FIRST REPORT SUMMARY

INITIAL CLASS: WF = NEW FIELD WILDCAT; WD = DEEPER POOL WILDCAT; WS = SHALLOWER POOL WILDCAT; WP = NEW POOL WILDCAT; WO = WILDCAT OUTPOST; D = DEVELOPMENT.

■ DENOTES NEW INFORMATION ADDED THIS WEEK. LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

● DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL

file 896

ARIZONA

APACHE COUNTY

RIDGEWAY ARIZONA OIL
10-22 RIDGEWAY STATE
API 02-001-20308

22-10N-30E
SW SW
660 FSL 660 FWL

WILDCAT; 2300 FORT APACHE. (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6878 GR; **LOCATION DATA:** 10 MI S-SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-24E 20 MI SE ST JOHNS, NM; **TO BE VERTICALLY DRILLED.** **WF**

LOC;

RIDGEWAY ARIZONA OIL
11-21 RIDGEWAY STATE
API 02-001-20307

21-11N-30E
NE SW
1980 FSL 1980 FWL

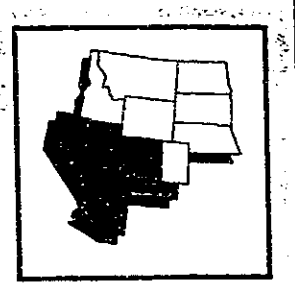
WILDCAT; 2300 FORT APACHE. (FR 02/18/97FM) **OPER ADD:** 1080-700 4TH AVE SW, CALGARY, AL, T2R -03J4 PHONE (800) 347-0294; **EL:** 6918 GR; **LOCATION DATA:** 4 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 13 1/2 MI SE ST JOHNS, NM; **TO BE VERTICALLY DRILLED.** **WF**

LOC;

* * * * * * * * * * * * * * * * * * *

ROCKY MOUNTAIN

REGION REPORT



FOUR CORNERS EDITION

Vol. 70, No. 35
2-19-97

file 896

CIG Mulling Expansion of Parachute Creek & Uinta Laterals

COLORADO INTERSTATE Gas Co (CIG), the Rocky Mountain natural gas pipeline subsidiary of Coastal Corp, citing increased drilling activity in the Piceance and Uinta basins, said it is soliciting shipper interest in an expansion of its Parachute Creek and Uinta laterals in western Colorado and eastern Utah.

CIG's Parachute Creek Lateral was completed last September; its Uinta Lateral was completed in 1992. Both are currently fully contracted. By adding compression on its western system, CIG said it will be able to provide producers in the Piceance and Uinta basins cost-effective access to markets in the Midwest and on the West Coast.

The proposed expansion will be tailored to meet shippers' needs, the company said. With the expansion, CIG will offer shippers direct access to the Wyoming Interstate Co Ltd (WIC) pipeline, the Trailblazer Pipeline System, the Kern River Pipeline and the Northwest Pipeline at CIG's Sand Springs interconnection.

Parties interested in obtaining new or additional firm transportation service on either lateral are invited to submit requests by February 28 to: CIG, P.O. Box 1087, Colorado Springs, Colorado 80944. The fax number is (719) 520-4810.

Timing of the expansion will be determined by the level of shipper interest, CIG said. Questions concerning the solicitation for expansion should be directed to Tom Price, assistant vice president, transmission and storage, at (719) 520-4465, or Scott Dalene, manager, transmission and storage, at (719) 520-4819.

Ridgeway Expands Eastern Arizona Program

RIDGEWAY ARIZONA Oil Co, the U.S. operating subsidiary of Calgary-based Ridgeway Petroleum Corp, has staked two new wildcats in an area approximately 15-21 miles southeast of St. Johns in eastern Arizona. Both are projected to 2300 ft in the Fort Apache limestone member of Supai (Permo-Pennsylvanian)

The 11-21 Ridgeway-State, ne sw 21-11n-30e, eastern Apache County, is about five miles southeast of the 3-1 State 13-53-801, ne se 3-11n-29e, which was completed by Ridgeway in 1995 flowing 663,000 cu ft of gas per day on a 32/64-inch choke through 88 perforated ft in Fort Apache be-

(Please see Arizona, Page 4)

NEWSLETTER — SECTION I
DAILY ACTIVITY REPORT — SECTION II
WESTERN COLORADO — SECTION III
UTAH — SECTION IV
NEW MEXICO — SECTION V
ARIZONA & NEVADA — SECTION VI

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Earnings

Basin

Denver-based Basin Exploration Inc, which sold its Denver Julesburg Basin assets last year, reported fourth-quarter 1996 net income of $109,000 on revenues of $3.0 million, versus net income of $600,000 on revenues of $10.0 million in the fourth quarter of 1995.

For the year, the company reported 1996 net income of $15.6 million on revenues of $40.7 million, inclusive of a nonrecurring $22.5 million before-tax gain recorded on the sale of the final portion of its Denver Julesburg Basin assets in the second quarter. This compares to a net loss of $19.5 million on revenues of $40.3 million in 1995, including the effects of a nonrecurring $26.5 million before-tax writedown in the carrying value of oil and gas properties.

Oil production averaged 1,540 bbls per day for all of 1996, compared to 3,160 bbls per day in 1995. Gas production averaged 13.1 million cu ft per day in 1996, versus 35.2 million cu ft daily the year before.

Basin noted that the results, in part, reflect the considerable impact of the sale of its Denver Julesburg Basin assets, which comprised about two-thirds of the company's proved reserves at the end of 1995.

CNG

Consolidated Natural Gas Co reported record net income of $298.3 million for 1996. Excluding special charges of $9.9 million after taxes for workforce reductions, net income in 1996 would have been $308.2 million. Excluding special charges in both years, net income in 1996 increased 45 percent over 1995. In 1995 the company reported net income of $21.3 million, including special charges for writedowns of the cost of gas and oil producing properties, the cost of coal properties and charges for workforce reductions. Excluding these special charges, net income would have been $212.3 million.

In the fourth quarter of 1996, CNG reported net income of $88.0 million, versus $87.4 million in the same period the year before.

Pretax operating income for CNG's exploration and production segment rose to $133.2 million in 1996, versus a pretax loss of $200.5 million in 1995, which included special charges of $226.2 million for a writedown of gas and oil producing properties and $7.7 million for workforce reductions. Excluding the special charges in 1995, E&P's pretax operating income would have been $33.4 million.

E&P's production rose substantially in 1996, with gas increasing to 144.5 billion cu ft from 102.6 billion cu ft, and oil rising to 4.8 million bbls from 3.1 million bbls in 1995.

(Arizona, from Page 1)

tween 1536 and 1676 ft (PI 9-15-95). Ridgeway said the gas from that shut-in 1995 discovery is composed of 89 percent CO_2, 10 percent nitrogen, 0.7 percent helium and 0.1 percent each of methane and argon.

Nearly seven miles south-southeast of the 11-21 Ridgeway-State site, the company has staked the 10-22 Ridgeway-State in sw sw 22-10n-30e.

At last report, Ridgeway, with Aztec Well Service's Rig #124 under contract, was drilling a 2300-ft Fort Apache test at the 22-1X Ridgeway-State, se nw 22-12n-29e, about eight miles northwest of the 11-21 Ridgeway-State (PI 2-12-97). That drillsite is a mile south of Ridgeway's 1 Ridgeway/Canstar-Plateau Cattle Co, se nw 15-12n-29e, a shut-in carbon dioxide/nitrogen/helium discovery drilled in 1994.

The company plans to spud the 11-21 Ridgeway-State this week, and begin drilling the 11-21 Ridgeway-State next week.

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

February 14, 1997

Mr. Clarence Bigelow
Manager, Apache County
P.O. Box 428
St. Johns, AZ 85936

Re: Ridgeway #11-21 State, Sec. 21-11N-30E, Apache County, Permit #895
Ridgeway #10-22 State, Sec. 22-10N-30E, Apache County, Permit #896

Dear Mr. Bigelow:

A copy of the approved drilling applications for the referenced wells is enclosed for your information. It is the policy of the **Arizona Oil and Gas Conservation Commission** to keep County Governments informed about proposed oil and gas drilling efforts in Arizona.

The **Commission** issues its Permit to Drill pursuant to A.R.S. § 27-516. Applications are approved after it is determined that the well is in compliance with applicable law and rules and that public health and safety, correlative rights, and subsurface resources are not compromised.

Please advise if I may be of further assistance.

Sincerely,

Steven L. Rauzi
Oil and Gas Program Administrator

Enclosures

c Oil & Gas Commissioners

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500

Fife Symington
Governor

Larry D. Fellows
Director and State Geologist

February 14, 1997

Mr. Don Riggs
Ridgeway Arizona Oil Corporation
P.O. Box 1110
St. Johns, Arizona 85936

Re: Ridgeway #11-21 State, Sec. 21-11N-30E, Apache County, Permit #895
Ridgeway #10-22 State, Sec. 22-10N-30E, Apache County, Permit #896

Dear Mr. Riggs:

Approved duplicate original APD's for the referenced wells; Permits #895 and #896; and filing fee receipts #3093 and #3094 are enclosed. Samples, logs, core and test reports, and completion report are required by to A.A.C. R12-7-121. *A copy of the Permit to Drill must be posted in a conspicuous place at the well site.*

These permits are issued on the condition that you conduct operations in compliance with all applicable rules and substantially as outlined in the drilling prognosis submitted with the application to drill, and that you *notify me at least 24 hours* before you:

1) Commence drilling operations;
2) Run and cement surface casing; and
3) Nipple up and test the BOPE prior to drilling out of the surface casing.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

CONSULTANTS REPORT #CSWTA-ARCH-9701

CULTURAL RESOURCE INVENTORY

RIDGEWAY STATE 11-21 AND 10-22 WELL LOCATIONS AND ACCESS ROADS FOR RIDGEWAY ARIZONA OIL COMPANY APACHE COUNTY, ARIZONA

file 896

PREPARED BY

B. MILES GILBERT
CSWTA, INC.
ENVIRONMENTAL/ARCHAEOLOGICAL CONSULTANTS
POST OFFICE BOX 790
TUBA CITY, ARIZONA 86045

PREPARED FOR

DON RIGGS
RIDGEWAY ARIZONA OIL CORPORATION
POST OFFICE BOX 1110
ST. JOHNS, ARIZONA 85936

SUBMITTED TO

ARIZONA STATE LAND DEPARTMENT
1660 WEST ADAMS
PHOENIX, ARIZONA 85007

PERMITS

ARIZONA STATE PERMIT NO. 1997-45bl

FEBRUARY 10, 1997

ABSTRACT

A Cultural Resource Inventory was undertaken on two proposed CO_2 well locations and six (6) miles of access roads on State of Arizona lands north and east of Springerville, Arizona on February 5 and 11, 1997. The inventory was performed by B. Miles Gilbert, Staff Archaeologist for CSWTA, Inc. of Tuba City, Arizona at the request of Don Riggs, Vice President of Operations for Ridgeway Arizona Oil Corporation. The fieldwork was conducted under the authority of Arizona Permit No. 1997-45bl issued to CSWTA, Inc.

A 225 foot by 225 foot area (1.16 acre) was inventoried for each well pad. No sites were recorded, but two isolated occurrences (IOs) were inventoried along the access road. Recordation of these IOs exhausts their research potential.

Cultural Resource clearance is recommended.

INTRODUCTION

A Class III cultural resource inventory was undertaken for two proposed CO_2 well locations on State Trust lands north and east of Springerville, Arizona. Figure 1 shows these in relation to Springerville. Figures 2-3 show their locations on the appropriate USGS topographic maps. The inventory was undertaken for Ridgeway Arizona Oil Corporation at the request of Don Riggs, Vice President of Operations. The inventory was conducted by B. Miles Gilbert, Staff Archaeologist for CSWTA, Inc. under authority of Arizona State Permit No. 1997-45bl.

PROJECT LOCATION AND DESCRIPTION

The proposed well locations are situated in two similar environments. Well 11-21 in Section 21, TWP 11N, R30E, just north of the TEP plant is located in sparse grasslands dotted with junipers (*Juniperous osteosperma*) and pinon pine (*Pinus edulus*) at an elevation of 6920 feet above mean sea level (amsl). Well 10-22 in Section 22, TWP 10N, R30E, is located in the Coyote Creek drainage at an elevation of 6880 feet amsl in short grass dotted with both pinon pine and junipers. The map references for this project are the Voight Ranch (Well 11-21) and Coyote Hills (Well 10-22), USGS Quadrangles, 7.5 minute series, Apache County, Arizona.

SURVEY METHODS AND PREVIOUS RESEARCH

A record search at the Arizona State Museum indicated that no sites had been recorded within 1/2 mile of the project areas. Miss Sharon F. Urban, Public Archaeologist for the Arizona State Museum of Tucson, Arizona indicated that for AZ Q:12:SW (USGS Voight Ranch) T11N R30E Sec 21 SW4. There are no sites on the subject property, nor have any surveys been done there on. By the same token there are no sites or surveys within the half mile study area. There are both surveys and sites in Secs 15 and 22, but they are outside of the area of interest. The second location is for AZ Q:16:NW (USGS Coyote Hills) T10N R30E Sec 22 SW4 of the SW4. There are no sites on the subject property, nor have any surveys been done there on. By the same token

there are no sites or surveys within the half mile study area. However, Westfall (1981) reported four historic, post 1950 trash scatters and one prehistoric site not considered to be register eligible, along the TEP Coal railroad connecting the SRP and TEP plants, east of Well 11-21.

The two well sites and access roads had been completely staked and flagged by Shreeve and Associates of St. Johns, Arizona before conducting the survey. Each drill hole had been marked with a dayglo orange lath, and access routes were flagged with tape streamers. Mr. Don Riggs drove the archaeologist to each well location the day before the inventory was conducted.

A 225 by 225 foot (1.16 acres) at each well location was inventoried by B. Miles Gilbert. Inventory was accomplished by walking subparallel transects spaced 10 meters apart, using a magnetic compass to set a course. Access routes were inventoried on February 11, 1997, by walking 30-50 feet from the center line and parallel to the roads.

INVENTORY RESULTS AND RECOMMENDATIONS

The cultural resources inventory of 2.32 acres for two proposed CO_2 well locations resulted in the location of no sites. Two flakes were inventoried within 60 feet of well site 10-22. These flakes have no research potential. Cultural Resource clearance is recommended for Ridgeway Wells 10-22 and 11-21.

REFERENCE

Westfall, Deborah A. 1981. Prehistory of the St. Johns Area, East-Central Arizona: The TEP Project. Cultural Resource Management Division, Arizona State Museum. The University of Arizona Archaeological Series No. 153, Tucson.

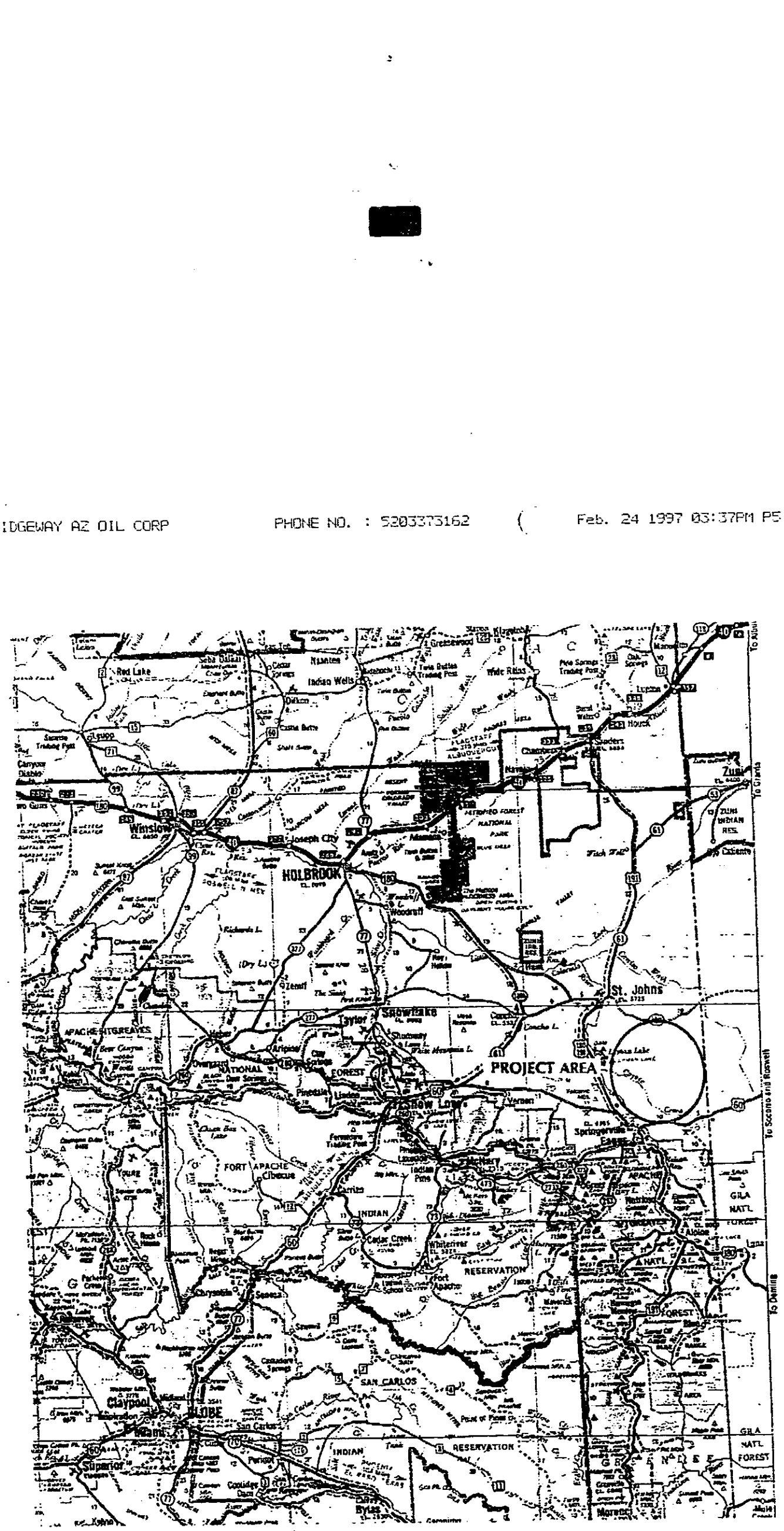

Figure 1. General vicinity map.

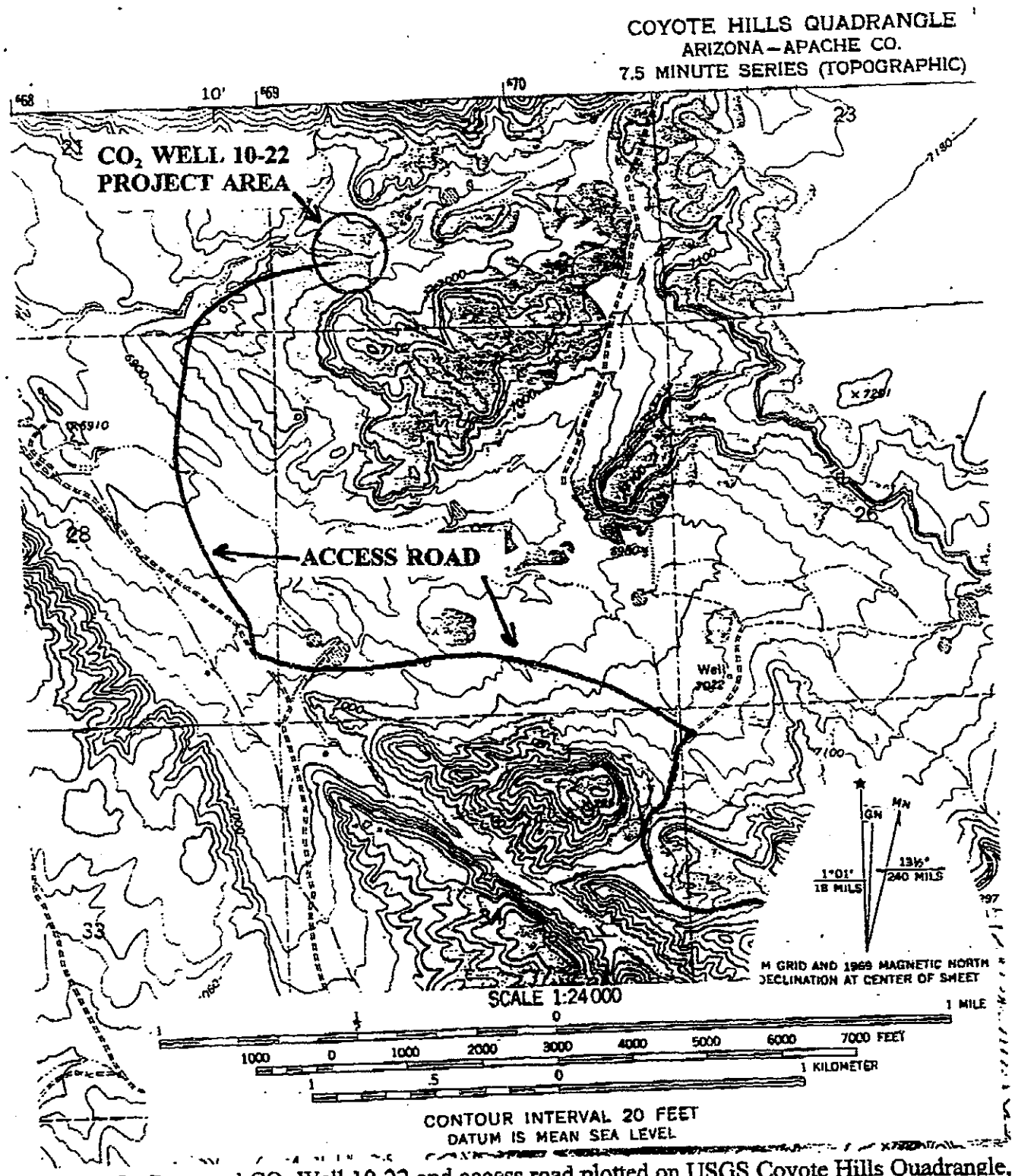

Figure 2. Proposed CO_2 Well 10-22 and access road plotted on USGS Coyote Hills Quadrangle, 7.5 minute series, Apache County, Arizona.

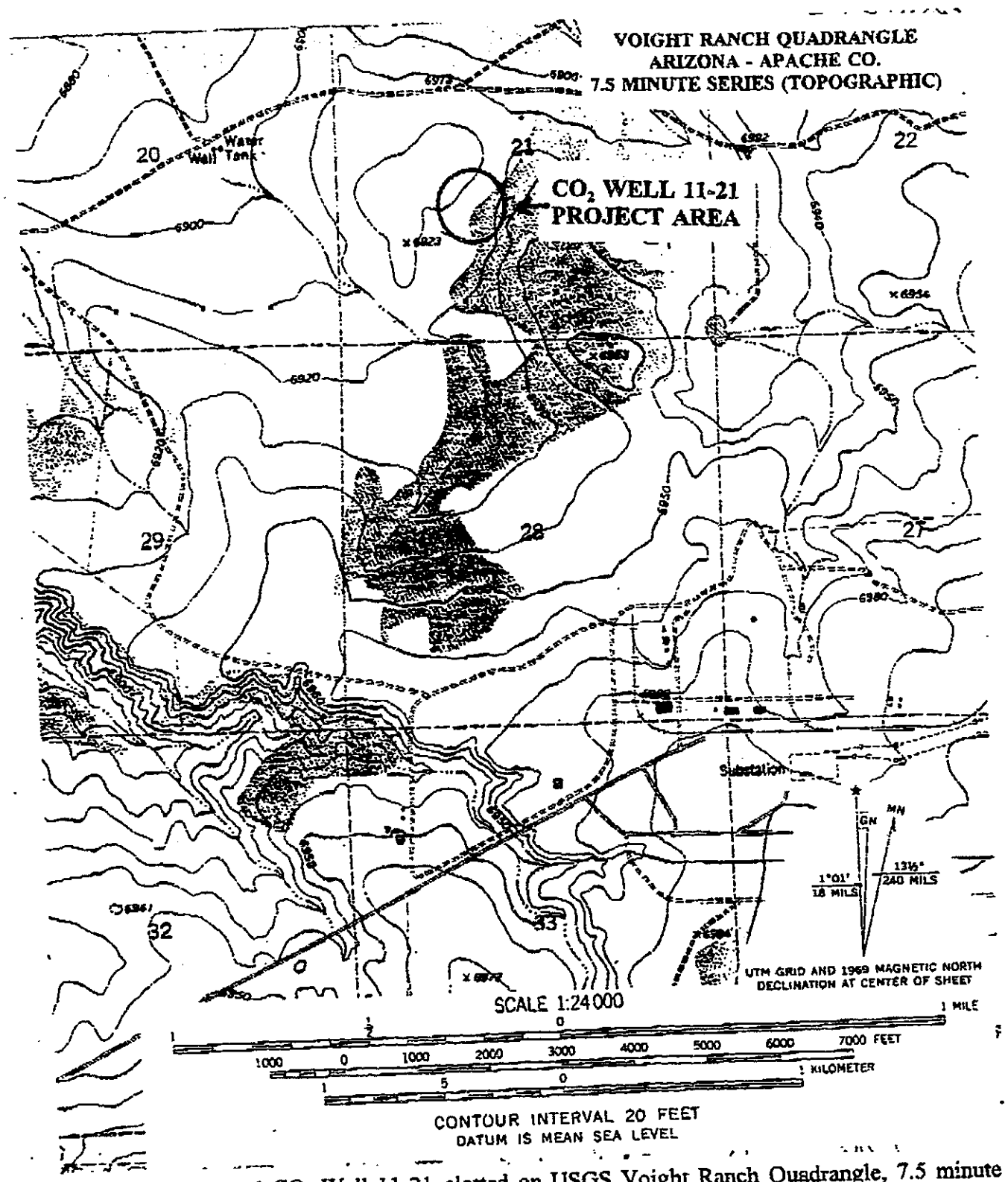

Figure 3. Proposed CO_2 Well 11-21 plotted on USGS Voight Ranch Quadrangle, 7.5 minute series, Apache County, Arizona.

MEMORANDUM TO FILE

DATE: February 3, 1997

FROM: Steven L. Rauzi
Oil and Gas Program Administrator

SUBJECT: Known and reasonably estimated freshwater aquifers in vicinity of Proposed Ridgeway Arizona wells located in:
ne sw 21-11n-30e, Apache County (1980' fsl & 1980' fwl)
sw sw 22-10n-30e, Apache County (660' fsl & 660' fwl)
sw sw 17-09n-31e, Apache County (660' fsl & 660' fwl)

Rick Herther, Basic Data Section, Arizona Department of Water Resources, reported this date that 5 water wells are registered in the general vicinity of the proposed wells. These are:

- se sw ne 20-11n-30e, drilled 1952; 680' deep, water @ 658' (ASLD)
  nw sw sw 18-10n-30e, drilled 1978; 1130' deep, 24"; water @600' (TEP)
  se nw sw 26-10n-30e, drilled 1982; 800' deep, 6"; water @ 607' (Merrill)
  ne se sw 17-09n-31e, drilled 1950; 6" (ASLD)
  se se se 17-09n-31e, drilled 1981; 105' deep, 8"; water @ 30' (Traweek)

The deeper wells are probably producing from the Permian Coconino Sandstone. The shallow well is probably producing from surface alluvium. The operator's proposal to set 8 5/8" surface casing into the top of the Permian Supai will be sufficient to protect surface waters and all other reasonably estimated aquifers in the vicinity of the proposed wells.

2-3-97

Don Riggs < 337-2458, fax 337-3162
337-3230 office

To permit 3 new wells in next few weeks
Geologist that discovered Bravo Dome
Picking delineation locations ~ 20 mi apart

11 N-30E-21 1980' FSL + FWL (ne sw)
10 N-30E-22 660' FSL + FWL (sw sw)
9 N-31E-17 660' FSL + FWL (sw sw)

To start @ 22-1X, Cote 4-5 wells
Stole Cote @ AZ GS
TEP has lot of water wells in area
set 8 5/8" pipe to top Supai, circ cont.

2-4-97

Don Rissi:
To use archeologist out of Springerville
where to submit arch rpt.? acknowlege?
⇒ call Ken Rozen + ask for letter of receipt
+ acknowledgment + copy Ranzi.
602-542-2684