

**CONFIDENTIAL**

Release Date 7-24-98

RIDGEWAY 12-15-30 STATE  
NE SW 15-12N-30E (900)



**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

DESIGNATE TYPE OF COMPLETION

New  Temp  Work-Over  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

DESCRIPTION OF WELL AND LEASE

Operator Ridgeway AZ. Oil Corp.	Address & Phone No. P.O. Box 1110 St. Johns
Federal, State or Indian Lease Number or name of lessor if fee lease 13-101545	Well Number State 12-15
Location 1980 f/wl & 1980 f/sl	Field Reservoir Wildcat
Sec. Township-Range or Block & Survey Sec. 15, T 12n, R 30e	County Apache

Date spudded 5/8/97	Date total depth reached 5/14/97	Date completed ready to produce N.A.	Elevation (DF, KB, RT or Gr-) 6711 feet	Elevation of casing head flange 6711 feet
Total Depth 2590	P.B.T.D.	Single, dual, or triple completion? N.A.	If this is a dual or triple completion furnish separate report for each completion	
Producing interval(s) for this completion 1784 - 1812	Rotary tools used (interval) 0 - 2590	Cable tools used (interval) N.A.	Was this well directionally drilled? No	
Was directional survey made? No	Was copy of directional survey filed? No	Date filed N.A.	type of electric or other logs run (check logs filed with the Commission) Pit.exp., Sonic, Microlog, gr, ccl, vdl	

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amount pulled
Surface	12 1/4	8 5/8	20 #	1263	668 sks	
Prod.	7 7/8	4 1/2	4.25	2590	600 sks.	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
N.A. in.	N.A. ft.	N.A. ft.	N.A. in.	N.A. ft.	N.A. ft.	N.A.	N.A.

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth interval	Amount & kind of material used	Depth interval
1	.38 Jrl.	1784-1812, 1848-1872	100sks.65/30 cement, squeeze	1752 - 1753(5 perms)
5	.38 Jrl.	1752-1753		
1	.38 Jrl.	1904-1970	100sks class G, squeeze	1843 - 1970

INITIAL PRODUCTION

Date of first production N.A.	Producing method (indicate if flowing, gas lift or pumping -- if pumping, show size & type of pump) N.A.					
Date of test N.A.	Hours tested N.A.	Choke size N.A.	Oil prod. during test N.A. bbls.	Gas prod. during test N.A. MCF	Water prod. during test N.A. bbls.	Oil gravity N.A. *API
Tubing pressure 0	Casing pressure 0	Calculated rate of production per 24 hrs	Oil 0 bbls	Gas 0 MCF	Water 0 bbls	Gas - oil ratio

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 therein are true, correct and complete to the best of my knowledge.

Date 10/30/98

Date

Signature

Permit No. 900

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

	<p><b>STATE OF ARIZONA</b> <b>OIL &amp; GAS CONSERVATION COMMISSION</b> Well Completion or Recompletion Report and Well Log File one Copy</p>
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**DETAIL OF FORMATION PENETRATED**

FORMATION	TOP	BOTTOM	DESCRIPTION*
Fl. Apache	1595	1660	We did not core this well, also we did not D.S.T. this well
Amos wash	1660	1960	
Riggs			

\* 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, Arizona Geological Survey, 416 W. Congress #100, Tucson, AZ 85701 not later than thirty days after completion pursuant to A.A.C. R12-7-121.

**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

DESIGNATE TYPE OF COMPLETION

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

DESCRIPTION OF WELL AND LEASE

Operator Ridgeway AZ. Oil Corp.		Address & Phone No. P.O. Box 1110 St. Johns	
Federal, State or Indian Lease Number or name of lessor if fee lease 13-101545		Well Number State 12-15	Field Reservoir Wildcat
Location 1980 f/wl & 1980 f/sl		County Apache	

Sec. 15, T 12n, R 30e

Date spudded 5/8/97	Date total depth reached 5/14/97	Date completed ready to produce N.A.	Elevation (DF, KB, RT or Gr.) 6711 feet	Elevation of casing head flange 6711 feet
Total Depth 2590	P.B.T.D.	Single, dual, or triple completion? N.A.	If this is a dual or triple completion furnish separate report for each completion	
Producing interval(s) for this completion 1784 - 1812		Rotary tools used (interval) 0 - 2590	Cable tools used (interval) N.A.	
Was this well directionally drilled? No	Was directional survey made? No	Was copy of directional survey filed? No	Date filed N.A.	
type of electric or other logs run (check logs filed with the Commission) Pit.exp., Sonic, Microlog, gr, ccl, vdl			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 #	1263	668 sks	
Prod.	7 7/8	4 1/2	4.25	2590	600 sks.	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
N.A. in.	N.A. ft.	N.A. ft.	N.A. in.	N.A. ft.	N.A. ft.	N.A.	N.A.
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth interval	Amount & kind of material used	Depth interval
1	.38 Jr.	1784-1812, 1848-1872	360sks.65/30 cement, squeeze	1752 - 1753(5 perms)
5	.38 Jr.	1752-1753		
1	.38 Jr.	1904-1970	519sks class G, squeeze	1843 - 1970

INITIAL PRODUCTION

Date of first production N.A.	Producing method (indicate if flowing, gas lift or pumping -- if pumping, show size & type of pump) N.A.					
Date of test N.A.	Hours tested N.A.	Choke size N.A.	Oil prod. during test N.A. bbls.	Gas prod. during test N.A. MCF	Water prod. during test N.A. bbls.	Oil gravity N. *API
Tubing pressure 0	Casing pressure 0	Calculated rate of production per 24 hrs	Oil 0 bbls	Gas 0 MCF	Water 0 bbls	Gas - oil ratio
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 therein are true, correct and complete to the best of my knowledge.

Date 6/30/98  
*see amended rpt dated 10/30/98*

*Thomas A. West*  
 Signature

Permit No. 900

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

Form No. 4

**STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION**

Well Completion or Recompletion Report and Well Log  
 File one Copy



**DETAIL OF FORMATION PENETRATED**

FORMATION	TOP	BOTTOM	DESCRIPTION*
Ft. Apache	1595	1660	We did not core this well, also we did not D.S.T. this well
Amos wash	1660	1960	
Riggs			

\* 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, Arizona Geological Survey, 416 W. Congress #100, Tucson, AZ 85701 not later than thirty days after completion pursuant to A.A.C. R12-7-121.

**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 12-15-30  
 Location 1980 F/WL & 1980 F/SL  
 Sec. 15 Twp. 12N Rge. 30E County Apache, Arizona  
 4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-101545

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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	WEEKLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Temporary Abandonment</u> <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

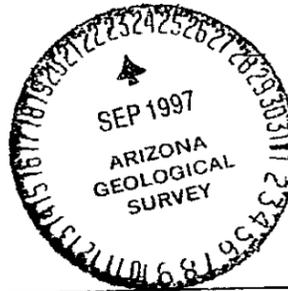
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4)

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 mechanical conditions are as follows:

8 5/8" casing (set @ 1267')  
 4 1/2" Amine Carbon Gauze fiberglass (ACG), set at 2595'  
 Perfs are: 1848-1852, 1858-1872, 1904-1912, 1926-1935,  
 1953-1956', 1964-1970'

We would like to put this well on Temporary Abandonment status for further evaluation.



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

Signed [Signature]

Title Productions Mgr. Date 9-18-97

Permit No. 900

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

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

5/96

**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 12-15-30  
 Location 1980 F/WL & 1980 F/SL  
 Sec. 15 Twp. 12N Rge. 30E County Apache, Arizona  
 4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-101545  
 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	WEEKLY PROGRESS <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>

(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.)

8-22-97 Rig up on 12-15-30, MU KCL and displace hole, rig up Schlumberger & perf from 1848-1852', 1858-1872', 1904-1912', 1926-1935', 1953-1956', 1964-1970'.

8-25-97 Perforate casing @ 1752-1753' w/5holes, set packer @ 1510', squeezed well (staged 1st 50 sks in hole), staged 2 & 50 sks in hole. Release packer and trip out of hole.

8-30-97 Made swab runs and recovered 60 barrels. Could not ge fluid below 1800'.

9-3-97 Swab on well @2358' made 27 runs recovered 36barrels of fresh H2O shut in well.

9-4-97 Made 6 swab runs recovered 20 barrels (high chlorides), pick up cement retainer run in hole to 1827' set retainer.

9-5-97 Rig up Dowell squeeze well off thru retainer w/100 sks Class G with 2% CC.

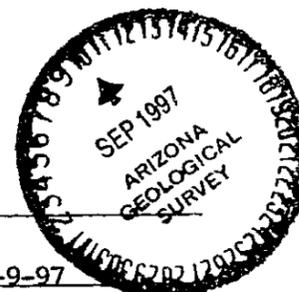
9-6-97 Rig up Schlumberger, perforating from 1784-1812', swab 26 runs recovered 52 barrels slight gas in H2O on last 20 runs.

9-7-97 Check guages on well 0 psi, fluid level @ 800' swab on well 26 runs fluid never dropped below 1400', rig down and move off of well.

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

Signed \_\_\_\_\_

Title Productions Mgr. Date 9-9-97



Permit No. 900

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

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

6/86

**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 12-15-30  
 Location 1980 F/WL & 1980 F/SL  
 Sec. 15 Twp. 12N Rge. 30E County Apache, Arizona  
 4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13-101545  
 5. Field or Pool Name Wildcat

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

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TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	<del>WELL</del> PROGRESS <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>

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

7. 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 5-8-97 total depth 5-14-97  
 No work has been performed on this well since casing was run.



8. I hereby certify that the foregoing is true and correct.  
 Signed [Signature] Title VP Date 7-28-97

Permit No. 900

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

Mail Completed Form to: Oil & Gas Program Administrator  
 Arizona Geological Survey  
 416 W. Congress #100  
 Tucson AZ 85701-1315 8/96

**SUNDRY NOTICES AND REPORTS ON WELLS**

1. Name of Operator Ridgeway AZ Oil Corp.  
 2. OIL WELL  GAS WELL  OTHER  (Specify) CO-2  
 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	WEEKLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>

(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 900*



8. I hereby 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  
 Form No. 25 File One Copy

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

6/98

May 12, 1997

Memo: Ridgeway 12-15-30 State file, Permit 900  
From: ~~SLR~~ Steven L. Rauzi  
Re: Drilling summary from 5/7 to 5/10/97

- 5/7 RU on Ridgeway 12-15-30  
10:00-12:00 Drlg rat and mouse holes
- 5/8 12:00-02:30 Drlg 17 1/2" surface hole to 64 feet  
02:30-03:30 Circulate hole  
03:30-04:30 Run 13 3/8" pipe  
04:30-08:00 WOC to arrive  
08:00-03:00 Cmtd 13 3/8" csg w/ 3 yds ready mix at 11:00 am  
03:00-04:00 NU diverter  
04:00- NU air package
- 5/9 Arrive location at 8:00 am.  
08:00-11:00 Drl'd 940-1283 ft. (1500 ft<sup>3</sup>/min, 200#, 12-60 barrels per hour with foam. Compressors capable of 2000#)  
11:00-12:00 Sweep & condition hole for csg  
12:00-12:30 TOOH  
12:30-02:00 ND diverter & blooey line  
02:00-05:30 RU & run 31 jts 8 5/8" csg, wash to bottom 50'  
05:30-07:15 RU DS and cmt, locked up before full displacement  
Pumped 137.4 ft<sup>3</sup> / 96 bbls cmt. Pressure hit 1000# at plug drop (one tub left). Pumped 80 bbls water ahead & 96 bbls cmt. Est. 16 bbls cmt displaced into annulus, about 200 ft of cmt across shoe.  
Water sand dehydrates cement and causes flash set.  
Leave location at 7:45 pm.  
Pick up kelly, TIH, wash cmt to 490 ft  
Drl'd cmt from 490-970 ft
- 5/10 Arrive location at 7:15 am.  
Fill backside with 3 yds ready mix concrete.  
Leave location at 8:15 am.

12-15-30 State (PIN 900)

5-8-97 Don Riggs

Moved to 12-15

Should begin by noon & ready to cont by morning

150' per hour w/ air so 900' by morning



# PERMIT TO DRILL

This constitutes the permission and authority from the  
OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

To: RIDGEWAY ARIZONA OIL CORP  
(OPERATOR)

to drill a well to be known as

12-15-30 STATE  
(WELL NAME)

located 1980' FWL & 1980' FSL

Section 15 Township 12N Range 30E, APACHE County, Arizona.

The +/- 640 acres 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 13 day of MARCH, 1997.

OIL AND GAS CONSERVATION COMMISSION

By Steven L. Ravis

COMMISSION DIRECTOR  
OIL & GAS PROGRAM ADMINISTRATOR

PERMIT 00900

RECEIPT NO. 3098

A.P.I. NO. 02-001-20312

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

**APPLICATION FOR PERMIT TO DRILL OR RE-ENTER**

APPLICATION TO DRILL

RE-ENTER OLD WELL

Ridgeway Arizona Oil Corp.

NAME OF COMPANY OR OPERATOR

PO BOX 1110 St. Johns, AZ 85936

Address

City

State

Aztec Well Service

Drilling Contractor

PO Box 100 Aztec, NM 87410

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor <b>13-101545</b>	Well number <b>12-15-30</b>	Elevation (ground) <b>6711.8</b>
Nearest distance from proposed location to property or lease line: <b>1980'</b> feet	Distance from proposed location to nearest drilling, completed or applied-for well on the same lease: <b>None</b> feet	
Number of acres in lease: <b>2228.02</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>1</b>	
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		
Well location (give footage from section lines) <b>1980' F/WL 1980' F/SL</b>	Section--township--range or block and survey <b>S15 T12N R30E G&amp;SRM</b>	Dedication (Comply with Rule 105) <b>640 Acres SW 1/4</b>
Field and reservoir (if wildcat, so state) <b>Wildcat - Ft. Apache</b>	County <b>Apache</b>	
Distance in miles, and direction from nearest town or post office <b>12 mi. SE of ST. Johns, AZ</b>		
Proposed depth: <b>2400' + or -</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>March 26, 1997</b>
Bond Status <u>On file</u> Amount <b>\$25,000</b>	Organization Report <u>On file XX</u> Or attached	Filing Fee of \$25.00 <u>Attached XX</u>

Remarks:  
**See attached Drilling Prognosis.**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Vice President 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 therein are true, correct and complete to the best of my knowledge.

Signature

Date **3/5/97**

API # **02-001-20312**

Permit Number: 900  
Approval Date: 03/13/97  
Approved By: Steven L. Rainey

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

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

Form No. 3

P/N 900

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
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  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
<p><b>Section 15, T12N, R30E</b> <b>G&amp;SRM, Apache County, Arizona</b></p>	
<p><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name: <i>Ken Flygare</i></p> <p>Position: <i>VP</i></p> <p>Company: <i>Ridgeway Oil</i></p> <p>Date: <i>3-7-97</i></p> <p>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.</p> <p>Date Surveyed: <i>Feb 20, 1997</i></p> <p>Registered Professional Engineer and/or Land Surveyor: <i>KENNETH FLYGARE</i></p> <p>Certificate No.: <i>23947</i></p>	

PROPOSED CASING PROGRAM							
Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement	Type
8 5/8"	23#	K-55	SURF	900	CIRC	420	G
4 1/2"	4.25#	FIBERGLASS	SURF	2300	CIRC	580	POZ



**DRILLING WELL PROGNOSIS**

OPERATOR Ridgeway Arizona Oil CorLEASE State NO. 12-15-30  
 LOCATION Sec. 15 T12N R30E  
 COUNTY Apache STATE Arizona  
 ELEVATION: Ground Level 6711.8 Kelly Bushing 6725.8

**GEOLOGICAL PROGRAM**

Tops	Depth	Cores-Depths	Drill Stem Tests-Depths
Glorieta	590		
Supai	890		
Ft. Apache	1595		1590-1660
Big A Butte	1660		1660-1960

Electric Logging: Company Schlumberger Phone 505-325-5006  
 Logging Program: To be called for by George Scott, III

Well Site Geologist George L. Scott, III Off Phone 505-622-6713  
 Home Phone 505-627-6695 Mob Phone 505-626-4568  
 Mudlogger: John Dunn Off Phone \_\_\_\_\_  
 Mob (or trailer) Phone 520-587-2451  
 Coring Co \_\_\_\_\_ Phone \_\_\_\_\_  
 Coring Analysis Co. Reservoirs, Inc. Phone 1-800-925-2446  
 Drill Stem Testing Co. Baker Oil Tools Phone 505-325-0216  
 Sample Catching Instructions 2 sets 10'  
 Drilling Time Instructions 10' Drilling Time

**MUD PROGRAM**

Mud Engineer & Co. Don Durham Off Phone \_\_\_\_\_  
 Home Phone \_\_\_\_\_ Mob Phone \_\_\_\_\_

Depths	Instructions
0-900	35-40 Vis dispersed 10cc water loss
900-2300	Starch 35-40 Vis
Log	45 Vis.

**ENGINEERING PROGRAM**

Well Site Engineer/Supervisor Don Riggs Off Phone 520-337-3230  
 Home Phone 520-337-2458 Mob Phone 520-587-3522  
 Drilling Contractor Aztec Well Service Off Phone 505-334-6191  
 Tool Pusher Buddy/Joel Home Phone \_\_\_\_\_ Mob Phone 521-7626 then dial 505-320-1144  
 Cementing Co. Dowell Off Phone 505-325-5096  
 Water Hauler Dawn Trucking Phone 1-800-343-3205

Casing				Cement	
Hole Size	Csg Size	Weight	Depth Set	Type & Sacks	Est top of cmt
12-3/4	8-5/8	23#	900	Class G - 420	Surface
7-7/8	4 1/2	4.25	2300	POZ - 580	Surface

SHOWS & BREAKS - INSTRUCTIONS Report all shows to George Scott & Don Riggs.

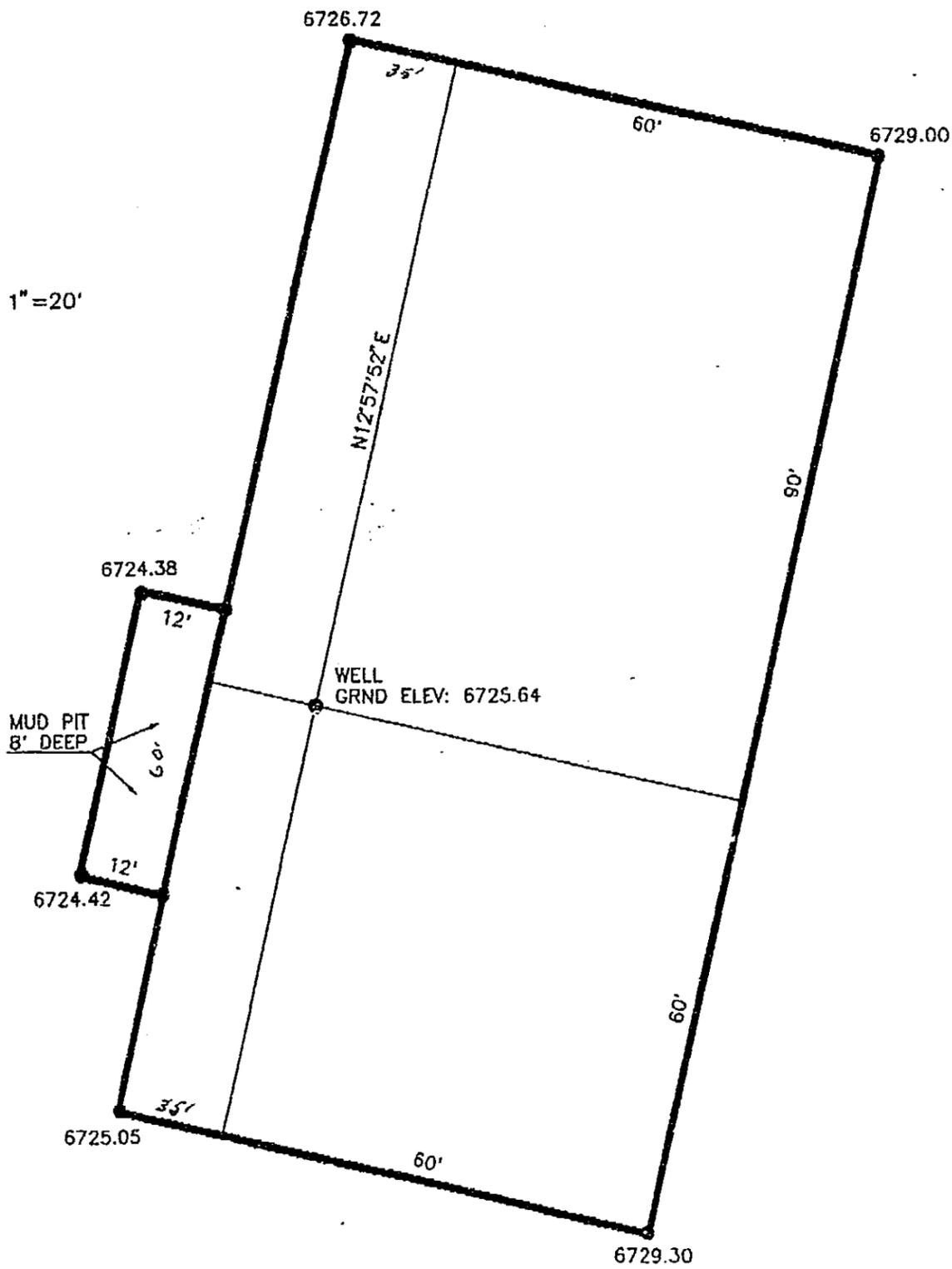
OTHER INSTRUCTIONS \_\_\_\_\_

DAILY DRILLING REPORTS TO: Ridgeway Office 520-337-3162

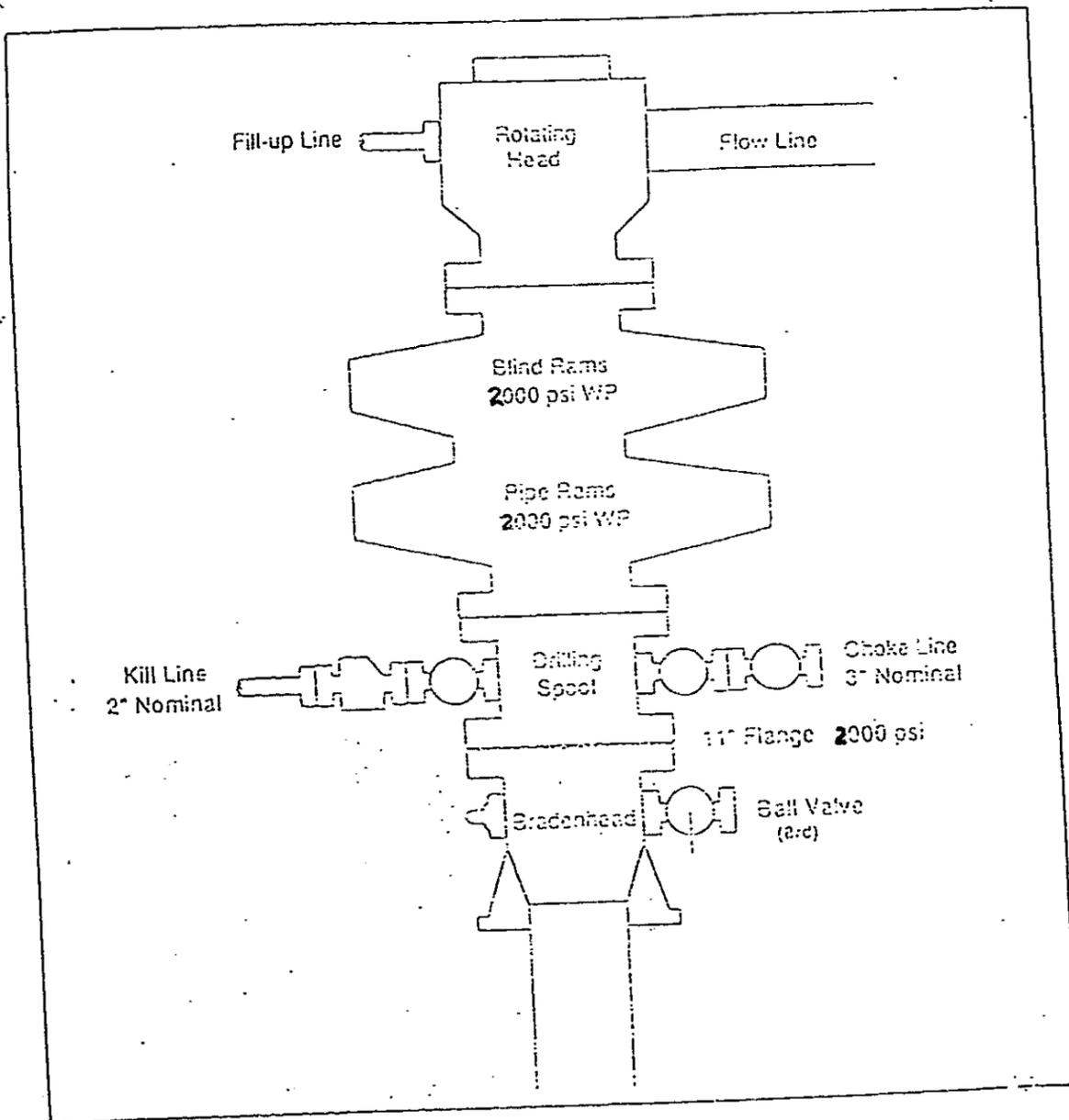
01-11-99 11:09 2403 202 3204

### WELL PAD LAYOUT

SCALE: 1"=20'



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.

1084

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

91-243  
1221

DATE 3-5-97

PAY TO THE ORDER OF STATE OF ARIZONA \$ 25.00

Twenty Five and 00/100 DOLLARS

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

FOR PERMIT 12-15-30 *[Signature]*

⑈001084⑈ ⑆122100024⑆ ⑆268⑈2327⑈

**RECEIPT** Date 3-13 1997 No. 3098

Received From Ridgeway Arizona Oil Corp.

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

Twenty five and 00/100 Dollars \$ 25.00

For Application Fee 12-15-30 State, Permit 900

ACCOUNT		HOW PAID	
AMT. OF ACCOUNT		CASH	
AMT. PAID		CHECK	<u>25 00</u>
BALANCE DUE		MONEY ORDER	

Check # 1084  
By Steven L. Ravig

8K806 Rediform

Operator Ridgeway Arizona Oil Corporation

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

Bond No.: CD#4002111 (\$10,000) 07/07/94  
CD#4002112 (\$15,000) Date approved: 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

STATE: ARIZONA  
COUNTY: APACHE  
API: 02-001-20312  
FIELD: WILDCAT  
WELL CLASS: WF  
RIDGEWAY AZ OIL CORP

15-12N-30E  
NE SW  
1980 FSL 1980 FWL SEC  
STATUS: TA-G

12-15-30 RIDGEWAY

PIN 900

SPUD: 05/08/1997 COMP: 10/30/1998 ELEV: 6724 KB 6711 GR  
TD: 2595 (05/14/1997) FM/TD: GRANITE WASH DTD: 2595  
CONTR: AZTEC WELL SERVICING RIG # 124 RIG SUB: 13 (VERTICAL)  
PROJ DEPTH/FM: 2400 FORT APACHE PERMIT # 900 LEASE TYPE: STATE TARGET OBJ:  
GAS

2595 DTD COMP: 10/30/1998 TA-G; , NO DST RUN

LOCATION DATA: 10 1/2 MI E-SE ST JOHNS, AZ 5 MI E UNNAMED FLD(FORT APACHE)CO2  
GAS DISC 15-12N-29E; ;  
CASING: 8 5/8 IN @ 1263 W/688 SACK, 4 1/2 IN @ 2590 W/600 SACK;  
LOG TYPES: CNDL 60-2510, AISF 1600-2537;  
LOG TOPS: GLORIETA /SD/ 850, SUPAI 1092, FORT APACHE 1760, GRANITE WASH 2495;

(OVER)

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03/03/2000

CARD# 0009-AZ

RIDGEWAY AZ OIL CORP

API: 02-001-20312, 15-12N-30E

12-15-30 RIDGEWAY

(CONTINUED)

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;  
OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230;

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03/03/2000

CARD# 0009-AZ

FULL NEW

PAGE

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

PAGE 3

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 ; IFF 50 FFP 66 IFF 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 ; IFF 272 FFP 398 IFF 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 ; IFF 58 FFP 76 IFF 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 3-11N-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: CO2/400 FLOWED 418 MCFD (99.2% CO2, .616% HELIUM, .137% METHANE) 1813 DTD 1805 PB COMP:09/13/1995 # 001 IFF 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 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 ; IFF 157 FFP 342 IFF 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 SGCW, 250 FT HGCW SPL REC: 2200 CC MCW; SPL CHAMBER :130 ; IFF 185 FFP 340 IFF 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 IFF 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 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 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



Jane Dee Hull  
Governor

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



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

900

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

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 State (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





Jane Dee Hull  
Governor

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



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 900*

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



Jane Dee Hull  
Governor

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



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

900

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  
Oil & Gas Program Administrator

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



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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

March 12, 1999



Larry D. Fellows  
Director and State Geologist

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

900

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



Thursday, March 04, 1999

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



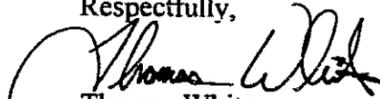
Re: Status of temporary abandonment

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 from 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: 520 587 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.

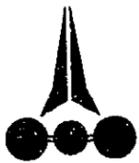
Sincerely,  
Ridgeway AZ. Oil Corp.

Thomas White  
Production Manager

Cc: Mike Rice  
Andrew Hurwitz



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

900

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.



P.O. Box 1110  
St. Johns, AZ 85936  
Tel: 520 337 3230  
Fax: 520 587 3522



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

December 21, 1998

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

*file 900*

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*

Steven L. Rauzi  
Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist



Friday, October 30, 1998

*file 900*

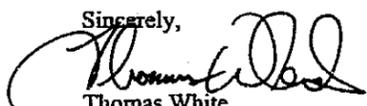
Mr. Steve Rauzi  
Arizona Geological Survey  
416 W. Congress, Suite 100  
Tucson, Az. 85701

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



P.O. Box 1110  
St. Johns, AZ 85936  
Tel: 520 337 3230  
Fax: 520 587 3522



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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

October 23, 1998



Larry D. Fellows  
Director and State Geologist

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

*file 900*

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

Mr. Thomas White  
Production Manager  
October 23, 1998  
Page 2

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

07-21-1998 10:19AM

FROM DEPT OF GEOLOGY

TO

815207703505 P.02



Jane Dee Hull  
Governor

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



Larry D. Fellows  
Director and State Geologist

July 21, 1998

900

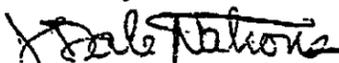
Don Riggs  
Vice President of Operations  
Ridgeway Arizona Oil Corporation  
P.O. Box 1110  
St. Johns, AZ 85936

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,

  
Dale Nations, Chairman

copy:

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



July 14, 1998

700

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.



P.O. Box 1110  
St. Johns, AZ 85936  
Tel: 520 337 3230  
Fax: 520 587 3522



# Ridgeway

Arizona Oil Corporation

July 14, 1998

Page 2 of 2

Rauzi

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,

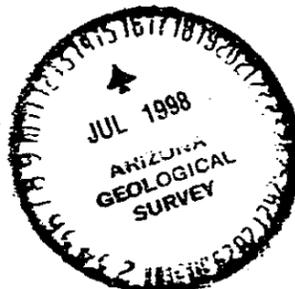
RIDGEWAY AZ OIL CORP.

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



P.O. Box 1110  
St. Johns, AZ 85936  
Tel: 520 337 3230  
Fax: 520 587 3522



Janie Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



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

*700*

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



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 July 23. 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.

A handwritten signature in black ink, appearing to read 'Thomas White', is written over the typed name.

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





Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



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

*900*

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*

Steven L. Rauzi  
Oil & Gas Program Administrator

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



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

900

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.

A handwritten signature in black ink, appearing to read "Thomas White", written over a circular stamp.

Thomas White  
Production Manager

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





Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

June 5, 1998

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

*902*

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



May 26, 1998

902

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,

A handwritten signature in black ink, appearing to read "Thomas White", is written over the word "Sincerely,".

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

C Larry Fellows  
Director and State Geologist

Rauzi5/26/98



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

May 18, 1998

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

900

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: ARIZONA  
COUNTY: APACHE  
API 02-001-20312  
FIELD: WILDCAT  
WELL CLASS: WF  
OPR: RIDGEWAY ARIZONA OIL

12-15-30 RIDGEWAY

12N-30E 15  
NE SW  
1080 FSL 1980 FWL  
STATUS: D&A

SPUD: 05/07/97 COMP: 05/14/97 ELEV: 6725 KB 6712 GR  
TD: 2595 (05/12/97) FM/TD: GRANITE  
CONTR: AZTEC WELL SRVCG RIG # 124 (R) RIG SUB: 13 (VERTICAL)  
PROJ DEPTH/EM: 2400 FORT APACHE PERMIT #900

COMP 5/14/97, D&A.

LOC DESCRIPTION: 5 MI E UNNAMED FLD(FORT APACHE)CO2 GAS DISC 15-12N-29E 10 1/2 MI E-SE ST  
JOHNS, AZ; LAT: 3443644 LONG: 10916102;  
CASING: RAN SURF CSG;  
OPER ADDR: BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294;



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



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.

**PETROLEUM INFORMATION/DWIGHTS ROCKY MOUNTAIN REGION REPORT  
SECTION VI - 01/21/98 PAGE 2**

**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 WILDCAT; WPD=NEW POOL DISCOVERY; WO=UNSUCCESSFUL WILDCAT OUTPOST; WOE=WILDCAT OUTPOST EXTENSION; D=UNSUCCESSFUL DEVELOPMENT WELL; D0=DEVELOPMENT OIL WELL; DG=DEVELOPMENT GAS WELL.

**ARIZONA**

**APACHE COUNTY**

**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**  
**D&A**

● **CONTR: AZTEC WELL SRVCG, RIG #124 RIG SUB:13; SPUD: 05/07/97 CSG: RAN SURF CSG; 2595 TD, (GRANITE) (TD REACHED: 05/12/97); 2595**  
■ **TD. COMP 5/14/97, D&A. WILL BE REISSUED IF ADDITIONAL DATA BECOMES AVAILABLE**

**RIDGEWAY ARIZONA OIL**  
15-28-29 RIDGEWAY  
API 02-001-20316

**28-15N-29E**  
NE NW  
818 FNL 1423 FWL

**WILDCAT; PERMIT #904; 2200 FORT APACHE, (FR 05/27/97FM) OPER**  
**ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; EL: 5708 KB;**  
**LOCATION DATA: 16 MI N UNNAMED FLD(FORT APACHE)CO2 DISC 12 MI**  
**N-NE ST JOHNS, AZ; TO BE VERTICALLY DRILLED.**

**WF**  
**D&A**

● **CONTR: AZTEC WELL SRVCG, RIG #124 RIG SUB:13; SPUD: 05/27/97 CSG: RAN SURF CSG; 2480 TD, (GRANITE) (TD REACHED: 05/31/97); 2480**  
■ **TD. COMP 6/1/97, D&A. WILL BE REISSUED IF ADDITIONAL DATA BECOMES AVAILABLE**

\*\*\*\*\*



JANE DEE HULL  
GOVERNOR

Arizona  
State Land Department

1816 WEST ADAMS  
PHOENIX, ARIZONA 85007



J. DENNIS WELLS  
STATE LAND COMMISSIONER

December 17, 1997

*file 900*

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.

Mr. Don Riggs, Vice President Operations  
December 17, 1997  
Page 2

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,

*J. Dennis Wells*

J. Dennis Wells  
State Land Commissioner

JDW:mlt

Enclosure

c: Oil and Gas Conservation Commission ✓

Arizona Geological Survey  
Attention: Steven L. Rauzi



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

October 6, 1997

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

*900*

Dear Mr. White:

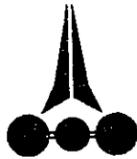
Our records continue to show that Ridgeway Arizona Oil Corporation remains out of compliance with its obligation to (1) file copies of all gas analyses reported in your letter of September 5, 1997; (2) plug and abandon the Plateau Cattle #1A well; and (3) report complete testing results for all perforated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

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

900

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



P.O. Box 1110  
St. Johns, AZ 85936  
Tel: 520 337 3230  
Fax: 520 587 3522



**Ridgeway**  
Arizona Oil Corporation

September 8, 1997

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

*file 900*

Mr. Rauzi

This is a request for temporary abandonment status on well # 12-15-30.  
we are going to temporarily abandon this well for further evaluation.

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.9-8-97



P.O. Box 1110  
St. Johns, AZ 85936  
Tel: 520 337 3230  
Fax: 520 587 3522



Jane Dee Hull  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

September 8, 1997

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

*900*

Dear Mr. White:

This will acknowledge your letter of September 5 with a second copy of our Form 18 dated July 25 for the 22-1X (Permit 888) well attached. Please note that Ridgeway Arizona Oil Corporation is required to submit a copy of the gas analyses that you reported were taken at various wells and which were composited and used for the percentages of CO<sub>2</sub>, N<sub>2</sub>, and Helium that are reported on our Form 18. A copy of the gas analysis we have on file is enclosed. It is this type of substantiating gas analyses that Ridgeway is required to file.

Regarding your letter of September 4, please note that operators are required to (1) explain why temporary abandonment is necessary and (2) file a description of the current mechanical condition of the well including casing and perforation record before this office may consider the request. Our files show that no record has been submitted for the 9-22-29 (Permit 898) well. This office understands that testing and stimulation testing of this well started in April or May. Ridgeway is required to file a full, true, and correct record of its testing operations

Our records show that we have received no response to our letter of August 12, 1997, about the status and your plans for the 11-21 (Permit 895), 12-15-30 (Permit 900), 12-16-28 (Permit 902), 10-26-29 (Permit 903), and 9-22-29 (Permit 898) wells.

Sincerely,

*Steven L. Rauzi*  
Steven L. Rauzi  
Oil & Gas Program Administrator

Enclosure

c Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman  
Larry D. Fellows, Director and State Geologist  
Marc T. Steadman, Office of Attorney General  
Walter B. Ruck, President, Ridgeway Petroleum Corporation



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

September 2, 1997

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

*file 900*

Dear Mr. Riggs:

This will acknowledge receipt of our Form 18 dated July 25 reporting the absolute open flow for the 3-1 (Permit 884) and 22-1X (Permit 888) wells. The percentages of carbon dioxide, nitrogen, and helium reported on these forms do not match gas analyses currently on file with this office.

Please note that Ridgeway Arizona Oil Corporation is required to submit the gas analyses substantiating the percentages reported on our Form 18.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with its obligation to: (1) file all gas analyses; (2) submit Weekly Progress Reports for each well in its current testing operations; and (3) submit application to plug and abandon or document mechanical integrity of and obtain written permission to temporarily abandon its 12-15-30 (Permit 900), 12-16-28 (Permit 902), 10-26-29 (Permit 903), and 9-22-29 (Permit 898) wells.

Sincerely,

*Steven L. Rauzi*

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



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

August 29, 1997

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

*file 900*

Dear Mr. Riggs:

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

Analyses by Reservoirs Inc.	Analyses by Baker Oil Tools	Core chips
<u>888 (22-1X)</u> Conventional core 1296-1640' No sidewall core analyses received	<u>895 (11-21)</u> DST1: 1610-1664' DST2: 1665-2410'	<u>888 (22-1X)</u> : 1296-1356' No cuttings samples received
<u>895 (11-21)</u> 15 sidewall cores 1681-2372' No conventional core analyses received	<u>896 (10-22)</u> DST1: 1428-1490' DST2: 1575-1790'	<u>895 (11-21)</u> : No cuttings samples received
<u>896 (10-22)</u> 22 sidewall cores 1482-2235'	DST3: 2054-2265'	
<u>897 (09-21)</u> Conventional core 1930-2160' Conventional core 2642-2693'	<u>897 (9-21)</u> DST1: 1860-1964' DST2: 1963-2160' DST3: 2590-2694'	
Wireline logs by Schlumberger		
<u>888 (22-1X)</u> Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog	<u>895 (11-21)</u>	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog FMI LQC LOG
<u>896 (10-22)</u> Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog Natural Gamma Tool	<u>987 (9-21)</u>	Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog
<u>898 (09-22-29)</u> Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog Combinable Magnetic Resonance Tool	<u>899 (10-16-31)</u>	NO LOGS RECEIVED
<u>900 (12-15-30)</u> Compensated Neutron Log Digital Array Sonic Log	<u>901 (13-36-29)</u>	Platform Express Porosity-Lithology Platform Express Array Induction Platform Express Microlog
<u>902 (12-16-28)</u> Gamma Ray	<u>903 (10-26-29)</u>	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*  
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



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

August 12, 1997

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

*900*

Dear Mr. Riggs:

According to records submitted to this office by Ridgeway Arizona Oil Corporation, drilling operations have been suspended for at least 60 days on Ridgeway's 11-21 (Permit 895), 12-15-30 (Permit 900), 12-16-28 (Permit 902), and 10-26-29 (Permit 903) wells. No record has been submitted for the 9-22-29 (Permit 898) well.

Please be advised that when drilling, injection, or production operations have been suspended for 60 days, rules require a well to be plugged and abandoned unless the operator documents the mechanical condition and integrity of the wells and obtains written permission for temporary abandonment from the Oil and Gas Conservation Commission.

As a result, Ridgeway Arizona Oil Corporation is now required to (1) advise this office in writing when and how you plan to plug these wells or (2) provide a written explanation why the Commission should grant temporary abandonment status to the wells.

If any of these wells have been perforated, tested, or stimulation tested, please submit an explanation in writing why this has not been reported to this office as required by State law.

Sincerely,

Steven L. Rauzi  
Oil & Gas Program Administrator

c J. Dale Nations, Chairman, Oil and Gas Conservation Commission  
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 11-21 & 10-22

I recall he gave me 10-22 logs @ ASLD wts 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.

900



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



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

*900*

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

R I D G E W A Y  
RIDGEWAY AZ OIL CORP.

July 28, 1997

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

900

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 rpt. stim + test 5 zones over 15 days. Free tanks on loc 5/31
- 13-36-29 (901)
- 15-28-29 (904)





Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



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

900

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



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



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

900

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

**PETROLEUM INFORMATION/DWIGHTS  
DAILY ACTIVITY REPORT  
SECTION II - 05/21/97**

PAGE 5

**COMPLETION SUMMARY**

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 WILDCAT; WPD=NEW POOL DISCOVERY; WO=UNSUCCESSFUL WILDCAT OUTPOST; WOE=WILDCAT OUTPOST EXTENSION; D=UNSUCCESSFUL DEVELOPMENT WELL; DO=DEVELOPMENT OIL WELL; DG=DEVELOPMENT GAS WELL

**ARIZONA**

**APACHE COUNTY**

**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  
D&A

● CONTR: AZTEC WELL SRVCG, RIG #124 RIG SUB:13; SPUD: 05/07/97 CSG: RAN SURF CSG; 2595 TD, (TD REACHED: 05/ 12/97); 2595 TD. COMP  
5/14/97, D&A. HOLDING FOR DATA . . (LDIR 05/20/97)

**COLORADO**

**GARFIELD COUNTY**

**BARRETT RESOURCES**  
RMV 203-20 CLOUGH  
API 05-045-07124

20-6S-94W  
SE NE  
2421 FNL 491 FEL

RULISON; PERMIT #96-874; 7409 WILLIAMS FORK, (FR 12/09/96DN) OPER  
ADD: 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE  
(303) 606-4071; EL: 5385 GR; LOCATION DATA: 6 1/2 MI W-SW RIFLE, CO;  
TO BE VERTICALLY DRILLED.

DG  
GAS

● CONTR: NABORS DRLG USA, RIG #457; SPUD: 02/03/97, CSG: 9 5/8 @ 637 W/325 SX, 4 1/2 @ 7397 W/1175 SX COND @ 42; 7409 TD, (TD REACHED:  
02/ 24/97); PRODUCING INTERVAL(S) DATA: PERF (MESAVERDE), PERF (CAMEO), SGFR, (NO DETAILS), IP NOT RPTD. 7409 TD. COMP 5/13/97,  
GAS WELL. PROD ZONE - MESAVERDE/CAMEO INT NOT RPTD. HOLDING FOR DATA . . (LDIR 05/20/97)

**BARRETT RESOURCES**  
GV 4-33 MOBIL  
API 05-045-06643-0001

33-6S-95W  
SW NE NE  
1084 FNL 1276 FEL

PARACHUTE; PERMIT #90-079; 6850 ROLLINS, (FR DN) OPER ADD: 1515  
ARAPAHOE ST TOWER 3 STE #1000, DENVER, CO, 80202 PHONE (303)  
572-3900; EL: 5403 GR; LOCATION DATA: 3 1/2 MI NE PARACHUTE, CO;  
TO BE VERTICALLY DRILLED. OWWD: OLD INFO: BARRETT ENERGY  
GV4-33 MOBIL SPUD 3/7/90. 8 5/8 @ 1808 W/800 SX, 5 1/2 @ 7379 W/985 SX  
LOG TOPS: MESAVERDE 3853, CAMEO 6648, ROLLINS 7178. TD 7380. PB  
7255. COMP 6/27/90. IPF 700 MCFGPD, 5 BWPD. PROD ZONE: MESAVERDE  
6159-6550(GROSS). IPF 320 MCFGPD, 10 BWPD. PROD ZONE: CAMEO  
6706-7158(GROSS). (DUAL PRODUCER);

DG  
GAS

● CONTR: NOT RPTD; SPUD: 04/05/97 (EST), TBG: COMB 2 7/8, 3 1/2 @ 6673; 7380 TD, (ROLLINS); PROD TEST(S): PERF (CAMEO) 6854-7158 W/20  
SHOTS GROSS, RBP 8835 6854-7158 PRODUCING INTERVAL(S) DATA: PERF (CAMEO) 6696-6797 W/11 SHOTS, PERF (MESAVERDE) 6159-6550  
W/19 SHOTS GROSS 6159, 6162, 6171, 6173, 6177, 6221, 6295, 6312, 6316, 6398, 6406, 6411, 6412, 6484, 6488, 6519, 6520, 6549, 6550, SGFR  
(6696-6797) W/ 1295 BBLs, 250600 LBS SAND, 20/40 SD, 7380 TD COMP 4/21/97, IPF 652 MCFGPD, FTP 660, FCP 740 PROD ZONE -  
MESAVERDE 6159-6550(GROSS) CAMEO 6696-6797 COMMINGLED NO CORES OR DSTS FIRST REPORT & COMPLETION

**BARRETT RESOURCES**  
GM 202-33 UNOCAL  
API 05-045-07125

33-6S-96W  
SE SE  
1261 FSL 914 FEL

GRAND VALLEY; PERMIT #96-875; 6404 WILLIAMS FORK, (FR 12/09/96DN)  
OPER ADD: 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202  
PHONE (303) 606-4071; EL: 5390 GR; LOCATION DATA: 3 MI W-NW  
PARACHUTE, CO; TO BE VERTICALLY DRILLED.

DG  
GAS

● CONTR: NABORS DRLG USA, RIG #488; SPUD: 02/13/97, CSG: 9 5/8 @ 324 W/175 SX, 4 1/2 @ 6410 W/1220 SX; 6415 TD, (TD REACHED: 03/ 01/97);  
PRODUCING INTERVAL(S) DATA: PERF (MESAVERDE), PERF (CAMEO), SGFR, (NO DETAILS), IP NOT RPTD. 6415 TD. COMP 5/16/97, GAS  
WELL. PROD ZONE - MESAVERDE/CAMEO INT NOT RPTD. HOLDING FOR DATA . . (LDIR 05/20/97)

**BARRETT RESOURCES**  
GV 42-6 EXXON  
API 05-045-06641-0001

6-7S-95W  
NE SW NE  
1450 FNL 1850 FEL

PARACHUTE; PERMIT #90-061; 6700 ROLLINS, (FR DN) OPER ADD: 1515  
ARAPAHOE ST TOWER 3 STE #1000, DENVER, CO, 80202 PHONE (303)  
572-3900; EL: 5151 GR; LOCATION DATA: 1 1/4 MI SW PARACHUTE,  
FLD(WASATCH) 1 MI NE PARACHUTE, CO; TO BE VERTICALLY DRILLED.  
OWWD: OLD INFO: FORMERLY BARRETT ENERGY GV42-6 EXXON. SPUD  
5/17/90. 8 5/8 @ 301 W/200 SX, 5 1/2 @ 6609 W/1330 SX. LOG TOPS:  
MESAVERDE 3390 CAMEO 5934, ROLLINS 6420. TD 6622. PB 6548. COMP  
8/8/90. IPF 440 MCFGPD. PROD ZONE: MESAVERDE 5587-5920(GROSS). IPF  
270 MCFGPD. PROD ZONE: CAMEO 6062-6383(GROSS). (DUAL PRODUCER);

DG  
GAS

● CONTR: NOT RPTD; SPUD: 04/01/97 (EST), TBG: 2 3/8 @ 5271; 6622 TD, (ROLLINS); PROD TEST(S): PERF (MESAVERDE) 5587-5920 W/19 SHOTS,  
GROSS PERF (CAMEO) 6062-6383 W/22 SHOTS, GROSS, RBP 5410 5587-6383 PERF (CAMEO) 6062, 6063, 6081, 6082, 6089, 6090, 6112, 6117, 6123,  
6142, 6167, 6175, 6181, 6283, 6272, 6276, 6280, 6288, 6317, 6361, 6383, W/22 SHOTS, F GAS (GAUGE NOT RPTD) WELL PRODUCED 924 MCFG, 1 BW, 31  
DAYS, JAN 1997. PRODUCING INTERVAL(S) DATA: PERF (MESAVERDE), 4510-4883, 5016-5362, W/20 SHOTS, ACID (5016-5362) W/ 750 GALS, 7 1/2  
% HCL SGFR (5016-5362) W/ 2406 BBLs, 507500 LBS SAND, 20/40 SD ACID (4510-4883) W/ 1000 GALS, 7 1/2% HCL SGFR (4510-4883) W/ 2294 BBLs,  
500300 LBS SAND, 20/40 SD, 6622 TD COMP 4/13/97, IPF 1517 MCFGPD, 15 BWPD, FTP 850, FCP 910 PROD ZONE - MESAVERDE  
4510-5362(GROSS) NO CORES OR DSTS FIRST REPORT & COMPLETION

## Ridgeway expands drilling to 12 wells <sup>900</sup>

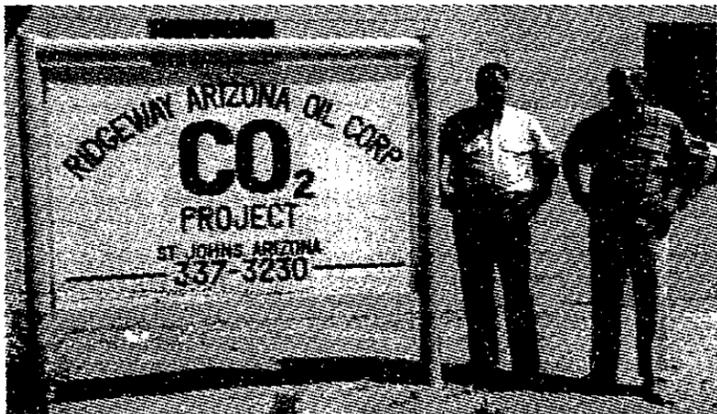


Photo by Art Harrington

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 CO<sub>2</sub> discovery in southern Apache County.

"Every CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 than .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.

MAY 15, 1997

**NIAKUK**

BP Expl (Alaska) Inc. "Niakuk" NK-25 50-029-22760  
 36-12N-15E UM, Fr SE cor 1371'N 656'W(Surface)  
 33-12N-16E UM, Fr SE cor 1938'N 1229'W(est.BHL)  
 S-04/26/97(Pool Arctic #7) Directional Map:AL-5  
 ???? Drilling, no details.

**POINT MCINTYRE**

ARCO Alaska Inc. "Point McIntyre" P2-19 Directional  
 14-12N-14E UM, Fr SE cor 5236'N 4054'W(Surface)  
 1-12N-14E UM, Fr SE cor 3889'N 2501'W(est.BHL)  
 50-029-22765 S-05/05/97(Doyon Drlg #14) Map:AL-4  
 1000+ Issued permit #97-79 on 5/5/97. Drilling  
 ahead.

**PRUDHOE BAY**

ARCO Alaska Inc. "Prudhoe Bay Unit" 18-15B Map:AL-5  
 19-11N-15E UM, Fr SE cor 4466'N 4642'W(Surface)  
 19-11N-15E UM, Fr NW cor 1898'S 4760'E(BHL)  
 19-11N-15E UM, Fr SE cor 3177'N 2097'W(est.BHL-RD)  
 19-11N-15E UM, Fr NE cor 2976'S 771'W(est.BHL-RD2)  
 20c.120 13-3/8c.2686 9-5/8W.8175 7c.8095-9545  
 4-1/2c.9460-10110 50-029-21755-02 Directional  
 (Nabors Drlg #2ES) Rsm-3pm, 5/1/95 Rig rel-5/20/95  
 (Rowan Drlg #141) S-10/1/87 Rig rel-11/3/87  
 11230 RD10110 Issued permit #97-72 on 5/5/97 for  
 redrill #2.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" B-23A  
 31-11N-14E UM, Fr NE cor 894'S 1897'W(Surface)  
 32-11N-14E UM, Fr NW cor 2209'S 858'E(BHL)  
 32-11N-14E UM, Fr SE cor 3818'N 3213'W(est.BHL-RD)  
 13-3/8c.2693 9-5/8W.???? 7c.???? 50-029-20779-01  
 (Alaska United #2) S-8/27/82 Rig rel-9/17/82  
 Rsm-04/16/97(Doyon Drlg #141) Directional  
 10085 RD7777 Redrilled below 9900', no details.  
 Released rig 5/5/97. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" D-23A  
 23-11N-13E UM, Fr NE cor 1440'S 1692'W(Surface)  
 24-11N-13E UM, Fr SW cor 2249'N 2506'E(BHL)  
 24-11N-13E UM, Fr NW cor 5125'S 4014'E(BHL-RD)  
 13-3/8c.2717 9-5/8W.???? 7c.???? 50-029-20738-01  
 (Alaska United Drlg #2) S-1/11/83 Rig rel-1/31/83  
 (Doyon Drlg #16) Rsm-12/5/96 Rig rel-12/29/96  
 Rsm-04/15/97(Doyon Drlg #141) Directional  
 13055 TVD9014 Resumed 4/15/97 for redrill.  
 Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" K-05B  
 4-11N-14E UM, Fr NW cor 2113'S 493'E(Surface)  
 5-11N-14E UM, Fr NE cor 4030'S 2287'W(BHL)  
 5-11N-14E UM, Fr SE cor 490'N 2790'W(est.BHL-RD)  
 5-11N-14E UM, Fr SE cor 3587'N 3831'W(est.BHL-RD2)  
 20c.110 13-3/8c.2675 9-5/8W.7594 50-029-21736-02  
 (Doyon Drlg #9) Rsm-2pm, 11/25/94 Rig rel-12/13/94  
 (Nabors Drlg #18E) S-8/24/87 Rig rel-9/9/87  
 Rsm-05/10/97(Doyon Drlg #16) Directional  
 10037 RD9936 Issued permit #97-86 on 5/7/97  
 Resumed 5/10/97 for redrill #2. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" M-05AL1  
 1-11N-12E UM, Fr NE cor 3078'S 605'W(Surface)  
 12-11N-12E UM, Fr NE cor 2914'S 345'W(BHL)  
 11-11N-12E UM, Fr SE cor 3426'N 4067'W(est.BHL-RD)  
 11-11N-12E UM, Fr SE cor 3426'N  
 4067'W(est.BHL-RD-lateral) 50-029-20134-61  
 20c.100 13-3/8c.2695 9-5/8c.11664 7c.11990  
 (Nabors Drlg #18E) S-2/12/76 Comp-4/18/76  
 Rsm-05/11/97(Nabors Drlg #2ES) Directional  
 12701 Pgl1680 Issued permit #97-81 on 5/7/97.  
 Resumed 5/11/97 for redrill #1. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" P-21B  
 31-11N-13E UM, Fr SW cor 2260'N 2019'E(Surface)  
 12-10N-12E UM, Fr NE cor 2319'S 3505'W(BHL)  
 12-10N-12E UM, Fr NE cor 2897'S 3245'W(BHL-RD)  
 36-11N-12E UM, Fr SE cor 2882'N 4497'W(est.BHL-RD2)  
 20c.110 10-3/4c.2997 7-5/8W.???? 50-029-22148-02  
 (Alaska United #2) S-9:45am, 3/20/91 Rig rel-4/18/91  
 (Nabors Drlg #18E) Rsm-4/22/96 Rig rel-5/4/96  
 (Doyon Drlg #9) Directional Map:AL-4  
 15-60 RD11391 Active. no details.

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 2958'N 229'W(est.BHL)  
 26-12N-12E UM, Fr SE cor 2858'N 229'W(est.BHL-L1)  
 50-029-22754 S-05/05/97(Nabors Drlg #18E)  
 Directional Map:AL-4  
 ???? Drilling, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" Y-09A  
 33-11N-13E UM, Fr NE cor 1387'S 98'W(Surface)  
 4-10N-13E UM, Fr NE cor 596'S 54'W(BHL)  
 4-10N-13E UM, Fr SE cor 442'N 1632'W(est.BHL-RD)  
 13-3/8c.2686 9-5/8c.10221 7c.11150 50-029-20579-01  
 (Vanguard #2) S-6/14/81 Rig rel-7/4/81 Map:AL-4  
 Directional  
 11162 Issued permit #97-83 on 5/7/97 for redrill  
 #1.

**OTHER WESTERN STATES**

**ST JOHNS**

\*Ridgeway Arizona Oil Corp "State" 10-16-31 Map:AZ  
 16-10N-31E, Fr SW cor 1980'N 1980'E 02-001-20311  
 8-5/8c.875 4-1/2c.2798aprx State Lease 13-101-540  
 (Aztec Well Service) S-4/7/97 Rig rel-4/17/97  
 Rsm-05/01/97(Aztec Well Service) elev:7246'GR  
 2400'-est.td (NPW)  
 2798 Cmtd 4-1/2" csg at aprx.2798'. Released rig  
 5/7/97.

\*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 4-1/2c.3200 State Lease #13-101-533  
 S-04/18/97(Aztec Well Service) elev:6932.5'GR  
 2300'-est.td (NPW)  
 3200 Drilled to TD. Cmtd 4-1/2" csg at 3200'.  
 Released rig 5/1/97.

\*Ridgeway Arizona Oil Corp "State" 12-15-30 Map:AZ  
 15-12N-30E, Fr SW cor 1980'N 1980'E 02-001-20312  
 8-5/8c.1280 S-05/08/97(Aztec Well Service) (NPW)  
 State Lease 13-101-545 elev:6712'GR 2400'-est.td  
 1285 Cmtd 8-5/8" csg at 1280'. Drilling ahead.

**DIXIE VALLEY**

Oxbow Geothermal Corp. "33" 37-33 27-001-90240  
 33-25N-37E, SE-1/4 SW-1/4 Map:NV  
 20c.1350 S-05/01/97(VECO Drlg Co #10)  
 3772 Drilling.

**GHOST RANCH**

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 Tested 152 B/D oil, 242 B/D water. Working on  
 sealing off water from another zone.

**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.

**RAILROAD VALLEY**

\*Pioneer Oil & Gas Co. "Timber Mountain Unit" 13-14  
 13-6N-56E, Fr SW cor 660'N 660'E 27-023-05529  
 7c.???? S-8:30am-06/27/95(Cardinal Drlg Co #12)  
 Federal lease N-42199 elev:4795'GR 4500'-est.td  
 3943 Plugged and ABANDONED 9/23/95. (Corrected  
 report). Map:NV Status:DRY-09/23/95 (NFW)

**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 #3) (Federal Lease N-47646)  
 elev:4708'GR 5636'-est.td  
 ???? Released rig 4/14/97. Will move in Colorado  
 Wel Service rig when finished at Ghost Ranch.

**STATE OF ARIZONA**

**APACHE COUNTY**

**STATE OF NEVADA**

**CHURCHILL COUNTY**

**NYE COUNTY**

**PETROLEUM INFORMATION/DWIGHTS  
DAILY ACTIVITY REPORT  
SECTION II - 05/14/97**

PAGE 9

**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**

<p>RIDGEWAY ARIZONA OIL 9-22-29 RIDGEWAY API 02-001-20310</p>	<p>22-9N-29E SW SE 1091 FSL 2674 FWL</p>	<p>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 SPRINGVILLE, 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.</p>	<p>WF</p>
<p>■ 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, PERFIN (LDIR 05/13/97)</p>			
<p>RIDGEWAY ARIZONA OIL 10-26-29 RIDGEWAY STATE API 02-001-20315</p>	<p>26-10N-29E NW SW 2260 FSL 1206 FWL</p>	<p>WILDCAT; PERMIT #893; 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 SPRINGVILLE, AZ; TO BE VERTICALLY DRILLED.</p>	<p>WF</p>
<p>■ 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)</p>			
<p>RIDGEWAY ARIZONA OIL 10-22 RIDGEWAY STATE API 02-001-20308</p>	<p>22-10N-30E SW SW 660 FSL 660 FWL</p>	<p>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.</p>	<p>WF</p>
<p>■ 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, TSTG (LDIR 05/13/97)</p>			
<p>RIDGEWAY ARIZONA OIL 10-16-31 RIDGEWAY API 02-001-20311</p>	<p>16-10N-31E NE SW 1980 FSL 1980 FWL</p>	<p>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 SPRINGVILLE, AZ; TO BE VERTICALLY DRILLED.</p>	<p>WF</p>
<p>■ 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)</p>			
<p>900 RIDGEWAY ARIZONA OIL 12-15-30 RIDGEWAY API 02-001-20312</p>	<p>15-12N-30E NE SW 1980 FSL 1980 FWL</p>	<p>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.</p>	<p>WF</p>
<p>■ 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)</p>			

**COLORADO**

**GARFIELD COUNTY**

<p>BARRETT RESOURCES RMV 201-20 CLOUGH FEDERAL API 05-045-07122</p>	<p>20-6S-94W SW NE 1386 FNL 2274 FEL</p>	<p>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;</p>	<p>D</p>
<p>■ 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)</p>			
<p>BARRETT RESOURCES GM 22-1 UNOCAL API 05-045-07147</p>	<p>1-7S-96W SE NW 1880 FNL 2175 FWL</p>	<p>GRAND VALLEY; PERMIT #97-76; 6850 WILLIAMS FORK, (FR 02/04/97DN) OPER ADD: 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; EL: 5488 GR; LOCATION DATA: 1 MI N PARACHUTE, CO; TO BE VERTICALLY DRILLED.</p>	<p>D</p>
<p>■ CONTR: NABORS DRLG USA, RIG #414; SPUD: 04/27/97, CSG: 9 5/8 @ 321 W/275 SX; ... DRLG 6510 (LDIR 05/13/97)</p>			
<p>BARRETT RESOURCES GM 201-4 FEDERAL API 05-045-07119</p>	<p>4-7S-96W NW NE 466 FNL 2236 FEL</p>	<p>GRAND VALLEY; PERMIT #96-885; 6582 WILLIAMS FORK, (FR 12/05/96DN) OPER ADD: 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 606-4071; EL: 5688 GR; LOCATION DATA: 3 1/2 MI W-NW PARACHUTE, CO; TO BE VERTICALLY DRILLED.</p>	<p>D</p>
<p>■ CONTR: NABORS DRLG USA, RIG #488; SPUD: 04/19/97, CSG: 9 5/8 @ 321 W/175 SX, 4 1/2 @ 8544 W/1025 SX; 8552 TD, (TD REACHED: 05/06/97); ... 6552 TD, WOCT (LDIR 05/13/97)</p>			
<p>BARRETT RESOURCES GM 42-4 FEDERAL API 05-045-07131</p>	<p>4-7S-96W SE NE 2026 FNL 526 FEL</p>	<p>GRAND VALLEY; PERMIT #96-902; 6800 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.</p>	<p>D</p>
<p>■ CONTR: NABORS DRLG USA, RIG #488; SPUD: 05/10/97, CSG: 9 5/8 @ 322 W/175 SX; ... DRLG 1880 (LDIR 05/13/97)</p>			

# Stock soars on drilling discoveries

Art Harrington  
The Observer

## APACHE COUNTY —

Southern Apache County is making international news with the discovery of its vast CO<sub>2</sub> 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 CO<sub>2</sub> 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

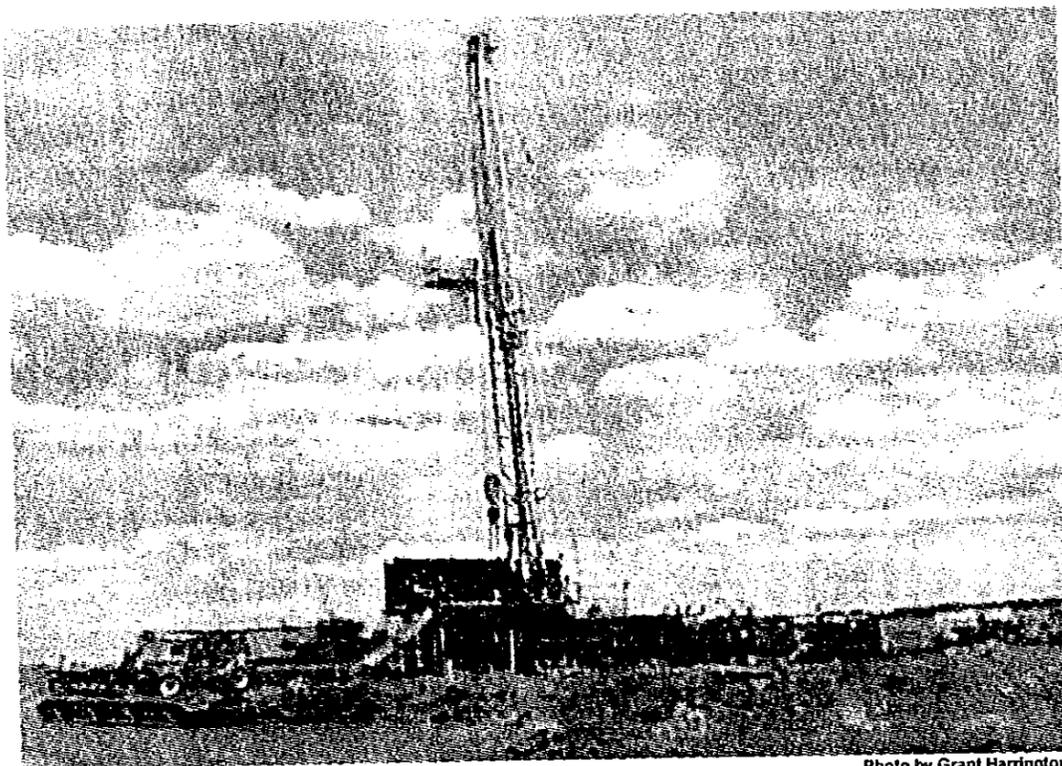


Photo by Grant Harrington

Drilling in southern Apache County has revealed immense deposits of CO<sub>2</sub>. 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.

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.

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 In-

dustries.

Is there a market for such CO<sub>2</sub> resources? Without a doubt. The largest consumer of CO<sub>2</sub> 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 CO<sub>2</sub> 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 construc-

tion of a pipeline to oilfields in California or Texas. The company has apparently proven with its 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 CO<sub>2</sub>. 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.

### Work Under Way at Horizontal Nugget Redrill in Anschutz Ranch East Field

**C**AZA DRILLING's Rig #76 is being rigged up to redrill a horizontal Nugget test for Amoco Production Co in Anschutz Ranch East field on the northeastern Utah salient of the Overthrust Belt about 15 miles southwest of Evans-ton, Wyoming.

The 29-04ST1 Anschutz Ranch East, nw nw 29-4n-8e, northwestern Summit County, is to be drilled southwestward to a total measured depth of 16,150 ft at a projected bottom hole location in se se 30-4n-8e (PI 2-10-97). The projected total horizontal displacement is nearly 4000 ft.

Originally completed in 1981 as the 1 Champlin 458 Amoco D, the well has produced more than 17.4 billion cu ft of gas, one million bbls of condensate and 32,900 bbls of water from Nugget at 12,056-12,637 ft. In November, the 13,750-ft well produced an average of about 2,970,000

### Ridgeway Adds to Apache County Arizona Program

*file 900*

**R**IDGEWAY ARIZONA Oil Corp, the U.S. subsidiary of Calgary independent Ridgeway Petroleum Corp, has scheduled three more 2400-ft wildcats in eastern Arizona's Apache County.

They are the 9-22-29 Ridgeway, c sw 22-9n-29e; 10-16-31 Ridgeway, ne sw 16-10n-31e; and 12-15-30 Ridgeway in ne sw 15-12n-30e. Aztec Well Service is under contract for the ventures, all of which will evaluate the Fort Apache limestone member of Supai (Permo-Pennsylvanian).

The 10-16-31 and 9-22-29 wildcats are 13 miles southeast and 15 miles south, respectively, of Ridgeway's 3-1 State 13-53-801 discovery in ne se 3-11n-29e, which was com-

pleted in 1995 flowing 663,000 cu ft of carbon dioxide, nitrogen and helium per day from Fort Apache between 1536 and 1676 ft. It currently is shut in.

The 12-15-30 wildcat is six miles east of Ridgeway's 1 Canstar-Plateau Cattle Co discovery in se nw 15-12n-29e, a shut-in carbon dioxide/nitrogen/helium discovery completed in 1994.

Ridgeway's gas play is an area 45-70 miles south-southeast of the Pinta Dome-Navajo Springs area, which has produced nonflammable, helium-bearing gas. The company recently staked location for a 2300-ft Fort Apache test at the 9-21 Ridgeway-State in sw ne 21-9n-31e (PI 3-5-97).

cu ft of gas and four bbls of water daily.

The nearest horizontal Nugget producer is 19 miles to the northeast, at a Painter Reservoir field well operated by Chevron USA Inc in south-

western Wyoming's Uinta County. Thirty miles to the northeast, Amoco has produced from Nugget at a horizontal well completed in 1987 in Wyoming's Ryckman Creek field.

*(Brennan Bottom, from Page 1)*

6976 ft. Log tops at the 7125 ft-well, measured from a kelly bushing elevation of 4811 ft, include Green River at 3346 ft and Wasatch at 7050 ft.

Half a mile to the west, Chevron's 14 Brennan-Federal, nw nw 18-7s-21e, was completed on pump producing 72 bbls of 32° oil, 10,000 cu ft of gas and 15 bbls of water daily from a treated Green River interval at 6782-

7263 ft. Total depth is 7455 ft.

About a mile south of the 12 Brennan-Federal, Chevron completed the 10 Brennan-Federal, nw ne 19-7s-21e, in Green River between 6725 and 6860 ft. The 7005-ft well pumped 80 bbls of 32° oil, 11,000 cu ft of gas and 107 bbls of water per day.

Since its discovery in 1954, Brennan Bottom field has produced

more than 1.3 million bbls of oil, 1.7 billion cu ft of gas and 144,600 bbls of water. In November, the field's eight active wells combined to produce an average of about 90 bbls of oil, 202,000 cu ft of gas and 75 bbls of water daily.

Chevron has plans for at least two other Brennan Bottom field development tests.

**PETROLEUM INFORMATION/DWIGHTS ROCKY MOUNTAIN REGION REPORT**  
**SECTION VI - 03/19/97** **PAGE 1**

**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.

**ARIZONA**

**APACHE COUNTY**

**RIDGEWAY ARIZONA OIL**      **22-9N-29E**  
 9-22-29 RIDGEWAY      C SW  
 API 02-001-20310      1320 FSL 1320 FWL

CONTR: AZTEC WELL SRVCG; LOC;

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 5 MI N SPRINGERVILLE, AZ; TO BE VERTICALLY DRILLED.

WF

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

CONTR: AZTEC WELL SRVCG; LOC;

WILDCAT; PERMIT #898; 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.

WF

<sup>900</sup> **RIDGEWAY ARIZONA OIL**      **15-12N-30E**  
 12-15-30 RIDGEWAY      NE SW  
 API 02-001-20312      1980 FSL 1980 FWL

CONTR: AZTEC WELL SRVCG; LOC;

WILDCAT; PERMIT #900; 2400 FORT APACHE, (FR 03/17/97FM) OPER  
 ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (800) 347-0294; EL: 6712 GR;  
 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

\*\*\*\*\*



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

March 13, 1997

Mr. Clarence Bigelow  
Manager, Apache County  
P.O. Box 428  
St. Johns, AZ 85936

Re: Ridgeway #9-22-29 State, Sec. 22-9N-29E, Apache Co., Permit #898  
Ridgeway #10-16-31 State, Sec. 16-10N-31E, Apache Co., Permit #899  
Ridgeway #12-15-30 State, Sec. 15-12N-30E, Apache Co., Permit #900

Dear Mr. Bigelow:

A copy of the approved drilling applications for the referenced wells are enclosed for your information in accordance with the **Arizona Oil and Gas Conservation Commission's** policy to keep County Governments informed about proposed oil and gas drilling efforts in their counties.

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 we may be of further assistance.

Sincerely,

Steven L. Rauzi  
Oil and Gas Program Administrator

Enclosures

c Oil & Gas Commissioners



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

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



Larry D. Fellows  
Director and State Geologist

March 13, 1997

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

Re: Ridgeway #9-22-29 State, Sec. 22-9N-29E, Apache County, Permit #898  
Ridgeway #10-16-31 State, Sec. 16-10N-31E, Apache County, Permit #899  
Ridgeway #12-15-30 State, Sec. 15-12N-30E, Apache County, Permit #900

Dear Mr. Riggs:

An approved application to drill the referenced wells; Permits #898, 899, and 900; and filing fee receipts #3096, #3097, and #3098 are enclosed. *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

**MEMORANDUM TO FILE**

**DATE:** March 11, 1997

**FROM:** Steven L. Rauzi <sup>SLR</sup>  
Oil and Gas Program Administrator

**SUBJECT:** Known and reasonably estimated freshwater aquifers in vicinity of three proposed Ridgeway Arizona Corp wells located in:

ne sw 15-12n-30e, Apache County (1980' fsl & 1980' fwl), permit 900  
ne sw 16-10n-31e, Apache County (1980' fsl & 1980' fwl), permit 899  
c sw 22-09n-29e, Apache County (1320' fsl & 1320' fwl), permit 898

Rick Herther, Basic Data Section, Arizona Department of Water Resources, reported this date that no water wells are registered in the three referenced sections. He provided the following information about 9 water wells that are registered in the general vicinity of the proposed wells. These are:

sw nw se 08-12n-30e, drilled 1930; 4", 185' deep; water @ 160' (Plateau Partnership)  
c 12-12n-30e, drilled 1963; 9", 530' deep; water @ 410'; 10 gpm (E. Platt)  
ne 27-12n-30e, drilled 1951; 7", 650' deep; water @ 610'; 10 gpm (Earl Platt)  
ne se ne 27-12n-30e, drilled 1983; 8", 790' deep, water @ 612', 10 gpm (Earl Platt)  
se nw se 21-10n-31e, drilled 1948; 6", 954' deep, water @ 900', 6 gpm (ASLD)  
21-10n-31e, drilled 1984, 6", 280' deep, water @ 180', 8 gpm (H Wiltbank)  
sw sw sw 21-09n-29e, drilled 1984, 10' deep (ASLD)  
sw sw nw 21-09n-29e, drld 1991, 5", 210' deep, wtr @ 195', 35 gpm (Springerville)  
sw ne sw 21-09n-29e, drilled 1984, 6", 80' deep, water @ 8', 3 gpm, (ASLD?)

The deeper wells are probably producing from the Permian Coconino Sandstone. The shallow wells are probably producing from surface alluvium or possibly basalt flows. The operator's proposal to set 8 5/8" surface casing well into the top of the Permian Supai will be sufficient to protect the surface waters and all other reasonably estimated aquifers in the vicinity of the proposed wells.

FROM : RIDGEWAY AZ OIL CORP  
SENT BY:CSWTA, INC. XT 7921

PHONE NO. : 5203373162

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**CONSULTANTS REPORT #CSWTA-ARCH-9703**

**CULTURAL RESOURCE INVENTORY**

**RIDGEWAY STATE 9-22, 10-16 AND 12-15  
WELL LOCATIONS AND ACCESS ROADS FOR  
RIDGEWAY ARIZONA OIL CORPORATION  
APACHE COUNTY, ARIZONA**

**PREPARED BY**

**B. MILES GILBERT  
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**PREPARED FOR**

**DON RIGGS  
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**SUBMITTED TO**

**ARIZONA STATE LAND DEPARTMENT  
1616 WEST ADAMS  
PHOENIX, ARIZONA 85007**

**PERMITS**

**ARIZONA STATE PERMIT NO. 1997-4561**

**FEBRUARY 28, 1997**

FROM : RIDGEWAY AZ OIL CORP  
SENT BY: CSWTA, INC. XT 7021

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#### ABSTRACT

A Cultural Resource Inventory was undertaken on three proposed CO<sub>2</sub> well locations and 2.85 miles of access road on State of Arizona Trust lands north and east of Springerville, and east of St. Johns, Apache County, Arizona on February 21, 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 for a total of 3.48 acres. A 50 foot wide corridor on each side (100 feet total) of the access roads was surveyed. No cultural resources were inventoried.

Cultural Resource clearance is recommended.

#### INTRODUCTION

A Class III cultural resource inventory was undertaken for three proposed CO<sub>2</sub> well locations on State Trust lands north and east of Springerville, and east of St. Johns, Arizona. Figure 1 shows the well sites in relation to Springerville and St. Johns. Figures 2-4 show the locations on the appropriate USGS topographic map. 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

Well 12-15 is located approximately 11 miles east of St. Johns on the Salt Lake road in Section 15, TWP 12N, R30E, just .25 mile south of that county road in sparse grasslands dotted with junipers (*Juniperous osteosperma*) and pinon pine (*Pinus edulus*) at an elevation of 6730 feet above mean sea level (amsl). The map reference for this project is the Mesa Parada NW, USGS Quadrangle, 7.5 minute series, Apache County, Arizona. Only .25 mile of access road survey was required at this location.

Well 10-16 is located six miles east of Springerville and 10.5 miles north of U. S. Highway 50 in Section 16, TWP 10N, R31E at an elevation of 7,240 feet amsl in very short grasslands sparsely dotted with stunted junipers. The map reference for this project is The Rincon, USGS Quadrangle, 7.5 minute series, Arizona-New Mexico. An access road measuring 1.8 miles was surveyed in conjunction with this well site.

Well 9-22 is located approximately two miles northeast of Springerville in Section 22, TWP 9N, R29E on the southwest edge of the Coyote Hills shield volcano at an elevation of 7,180 feet amsl. Local vegetation is restricted to very short grass. The map reference for this location is the Springerville, USGS Quadrangle, 7.5 minute series, Apache County, Arizona. An access road

measuring .8 mile was surveyed in conjunction with this proposed well site.

#### 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. However, Marmaduke (1984) conducted a cultural resources survey for Shell Western within one km of Well 9-22 with the result that no cultural resources were inventoried. Danson and Molde (1950) reported Casa Malpais, a major proto Zuni ceremonial site located approximately 1.5 miles west of Well 9-22. 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 several miles north of Well 10-16.

The well sites and access roads had been completely staked by Shreeve and Associates of St. Johns, Arizona prior to conducting the survey. The drill holes had been marked with a dayglo orange lath, and the access routes were flagged with tape streamers.

A 225 by 225 foot (1.16 acres) area at the well locations were inventoried by B. Miles Gilbert. Inventory was accomplished by walking subparallel transects spaced 10 meters apart, using a magnetic compass to set a course. The access routes, were surveyed by walking up one side and down the other, 12-15 meters from the edge of the existing two tracks dirt road.

#### INVENTORY RESULTS AND RECOMMENDATIONS

The cultural resources inventory of 3.48 acres for proposed CO, well locations and 2.85 miles of access roads resulted in the location of no sites. Cultural Resource Clearance is recommended for Ridgeway Well 9-22, 10-16 and 12-15.

#### REFERENCES

- Danson, Edward and Harold Molde 1950. Casa Malpais, a fortified pueblo site at Springerville, AZ Plateau 22(4):61-67.
- Marmaduke, William 1984. An archaeological survey of six mineral exploration locations in Apache County, AZ. ASM survey 1984-066.
- 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.

FROM : RIDGEWAY AZ OIL CORP

PHONE NO. : 5203373162

Mar. 13 1997 09:26AM P5

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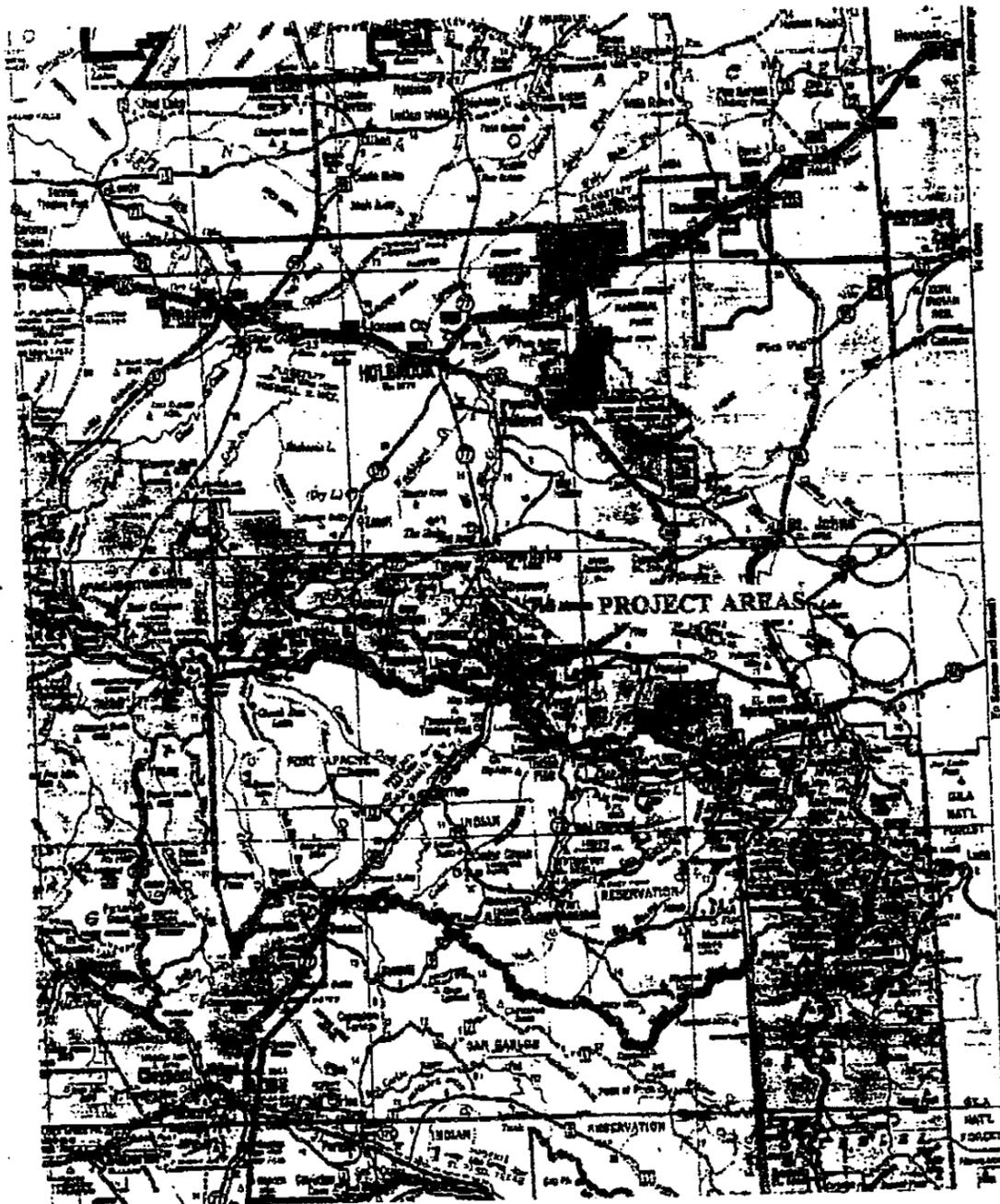


Figure 1. Project location map, eastern Arizona.

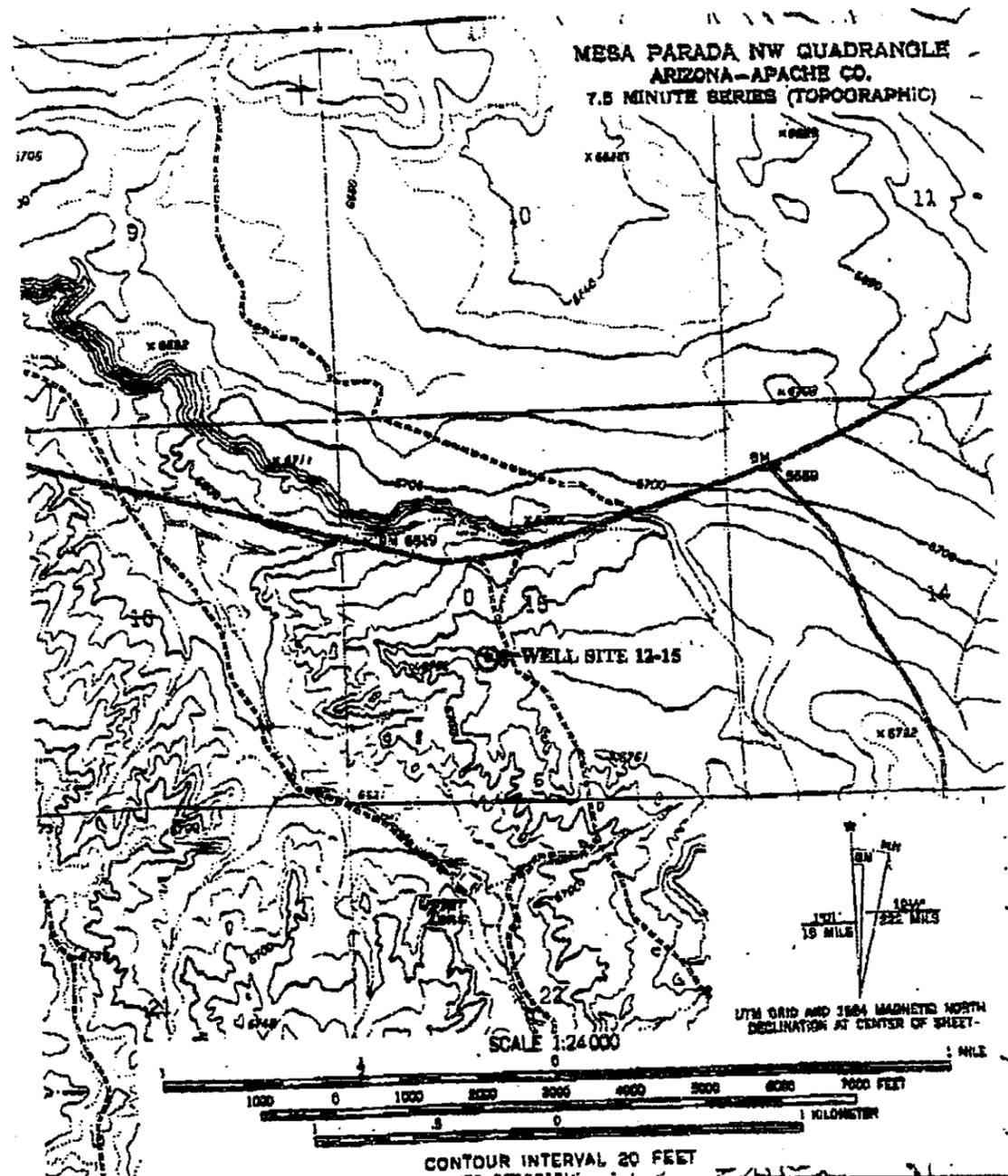


Figure 2. Proposed CO, Well 12-15 and access road plotted on USGS Mesa Parada NW Quadrangle, 7.5 minute series, Apache County, Arizona.



