[redacted]

THOMPSON 10 NAVAJO-138
NW SE 12-40n-28e (907)

COUNTY APACHE AREA DRY MESA FIELD LEASE NO. 14-20-603-4190

RIM SW Corp

WELL NAME ~~THOMPSON ENGINEERING AND PRODUCTION CORP~~ DRY MESA #10 NAVAJO-138

LOCATION NW SE SEC 12 TWP 40N RANGE 28E FOOTAGE 1980' FSL & 1980' FEL

ELEV 5694' GR _____ KB SPUD DATE _____ STATUS _____ COMP. DATE _____ TOTAL DEPTH _____

CONTRACTOR _____

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH

DRILLED BY ROTARY _____
DRILLED BY CABLE TOOL _____
PRODUCTIVE RESERVOIR _____
INITIAL PRODUCTION _____

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

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS

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

REMARKS _____

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

WATER WELL ACCEPTED BY _____

BOND CO. BOND POSTED WITH BIA BOND NO. LETTER OF CREDIT
DATE BIA approved 11/28/94
BOND AMT. $ ~~75,000~~ 150,000 CANCELLED _____ ORGANIZATION REPORT 8/29/97
FILING RECEIPT 3105 LOC. PLAT ✓ WELL BOOK _____ PLAT BOOK ✓
API NO. 02-001-20318 DATE ISSUED _____ DEDICATION SE QTR 12-40n-28e

PERMIT NUMBER 907

(over)

FORM 3160-4
(July 1992)

SUBMIT IN [illegible]LICATE* (See [illegible] instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-4190

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME, WELL NO.: DRY MESA #10 P/N 907

9. API WELL NO.: 02-001-20318

10. FIELD AND POOL OR WILDCAT: BLACK ROCK

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 12-T40N-R28E

1a. TYPE OF WORK: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

1b. TYPE OF WELL: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: COLEMAN OIL & GAS , INC.

3. ADDRESS AND TELEPHONE NO.: DRAWER 3337, FARMINGTON. N.M. 87499, (505) 327-0356

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 1980' FSL & 1980 FEL, SECTION 12, T40E, R28E
At top prod. interval reported below
At total depth

MAR 2000 ARIZONA GEOLOGICAL SURVEY

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
	12/01/98	APACHE	AZ

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12/17/98	12/30/98	APRIL 6, 1999	5694 UNGRADED GROUND	5693

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5170' KB MD TVD	5124' KB MD TVD		→	RT	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
SEE ATTACHMENT

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: HALLIBURTON HRI, SDL/DSN, CBL/VDL/GR/CL

27. WAS WELL CORED: NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8" J-55	24	525.93	12 1/4"	SURFACE	
4 1/2" J-55	10.50	5169.60	7 7/8"	PRODUCTION	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
INTERVAL: SEE ATTACHMENT
SIZE:
NUMBER:

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT	SEE ATTACHMENT

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
APRIL 7, 1999	PUMPING	SHUT IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
MAY 12, 1999	24	OPEN		6.64	28	20	4216

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
300	300		6.64	28	20	40.70

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): SOLD TO WESTERN GAS

TEST WITNESSED BY: MH

35. LIST OF ATTACHMENTS: COMPLETION SUMMARY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Michael T. Hanson TITLE ENGINEER DATE 02/29/2000

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its j

FORM 3160-4
(July 1992)

SUBMIT IN [illegible]LICATE* (See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-4190

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO

1a. TYPE OF WORK: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

7. UNIT AGREEMENT NAME: N/A

1b. TYPE OF WELL: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐

8. FARM OR LEASE NAME, WELL NO.: DRY MESA #10 P/N 907

2. NAME OF OPERATOR: COLEMAN OIL & GAS , INC.

9. API WELL NO.: 02-001-20318

3. ADDRESS AND TELEPHONE NO.: DRAWER 3337, FARMINGTON. N.M. 87499, (505) 327-0356

10. FIELD AND POOL OR WILDCAT: BLACK ROCK

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)

At Surface: 1980' FSL & 1980 FEL, SECTION 12, T40E, R28E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 12-T40N-R28E

At top prod. interval reported below

At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
	12/01/98	APACHE	AZ

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12/17/98	12/30/98	APRIL 6, 1999	5694 UNGRADED GROUND	5693

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5170' KB MD TVD	5124' KB MD TVD		→	RT	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION–TOP, BOTTOM, NAME (MD AND TVD)*

SEE ATTACHMENT

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: HALLIBURTON HRI, SDL/DSN, CBL/VDL/GR/CL

27. WAS WELL CORED: NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8" J-55	24	525.93	12 1/4"	SURFACE	
4 1/2" J-55	10.50	5169.60	7 7/8"	PRODUCTION	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
SEE ATTACHMENT		

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT	SEE ATTACHMENT

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping–size and type of pump)	WELL STATUS (Producing or shut-in)
APRIL 7, 1999	PUMPING	SHUT IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL–BBLS.	GAS–MCF.	WATER–BBL.	GAS-OIL RATIO
MAY 12, 1999	24	OPEN		6.64	28	20	4216

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL–BBL.	GAS–MCF.	WATER–BBL.	OIL GRAVITY-API (CORR.)
300	300		6.64	28	20	40.70

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): SOLD TO WESTERN GAS

TEST WITNESSED BY: MH

35. LIST OF ATTACHMENTS: COMPLETION SUMMARY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Michael T. Hanson TITLE ENGINEER DATE 02/29/2000

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its j

RECEIVED
MAR 2000
ARIZONA GEOLOGICAL SURVEY

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
CHINLE	1334		
DECHELLY	2046		
ORGAN ROCK	2440		
HERMOSA	4156		
UPPER ISMAY	4347		
LOWER ISMAY	4407		
DESERT CREEK	4484		
AKAH	4635		
BARKER CREEK	4784		
PINKERTON TRAIL	4907		
MOLAS	5067		
TD	5170		
NO DST OR CORES TAKEN			

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
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PINKERTON TRAIL	4907		
MOLAS	5067		
TD	5170		
NO DST OR CORES TAKEN			

COLEMAN OIL GAS, INC.
DRY MESA #10
1980' FSL 1980 FEL
SEC 12, T40N, R28E

P/N 907

SURFACE PIPE
8 5/8" CSG LANDED @ 525.93 FT. KB.

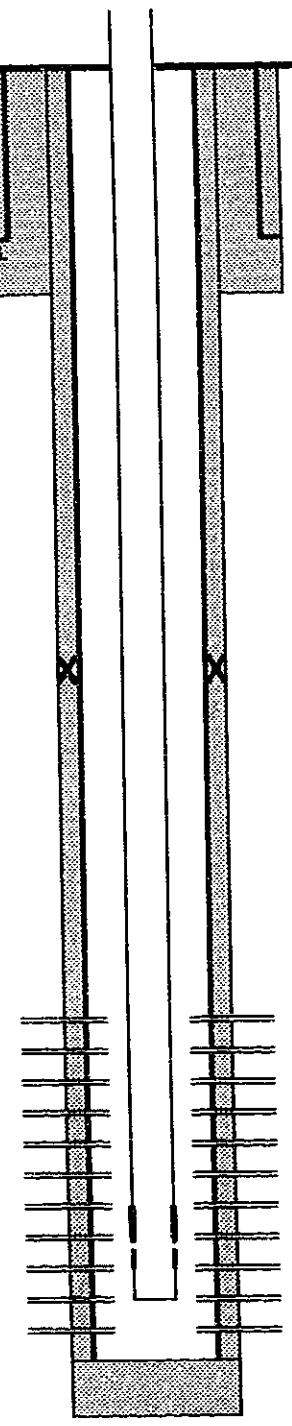
PRODUCTION CASING
4 1/2", 10.5#, J-55, FT KB.

TUBING STRING
136 JOINTS 4281.92 FT.
ANCHOR CATCHER
10 JOINTS 314.90 FT.
SEATING NIPPLE
3' PERFORATED SUB
2 JOINTS 62.98 FT.

2 3/8" SN @ 4611.25 FT. KB.
2 3/8" BTM TBG @ 4678.64 FT KB.
SN 1.78 I.D.

FLOAT COLLAR @ 5125.48 FT. KB.

T.D. @ 5170 FT. KB.



SURFACE CASING
8 5/8" CSG. @ 525.93 FT. KB
CEMENTED WITH 420 SXS CLASS B

PRODUCTION CASING
4 1/2" 10.50#/FT J-55 LT&C @ 5169.60 FT. KB.
FIRST STAGE
CEMENTED WITH 500 SKS 50/50
B/POZ 2% GEL, .4% HALAD-9, 1/4#/FLOCELE.
SECOND STAGE
CEMENTED WITH 610 SKS 65/35
B/POZ 6% GEL, 1/4#/FLOCELE & 1 %CACL
CIRCULATED CEMENT TO SURFACE ON
BOTH STAGES.

STAGE COLLAR @ 3523.72 FT. KB.

PERFORATIONS @

4517-4521
4595-4600
4609-4614
4651-4654
4803-4806
4972-4979

AUG 2000
ARIZONA GEOLOGICAL SURVEY

PREPARED BY MICHAEL T. HANSON 8/15/00

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
14-20-603-1490

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA/Agreement, Name and/or No.

1.
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Tract 138, Dry Mesa #10

2. Name of Operator
COLEMAN OIL & GAS, INC.

9. API Well No.
02-001-20318

3a. Address
DRAWER 3337 FARMINGTON NM 87499

3b. Phone No. *(include area code)*
(505)-327-0356

10. Field and Pool, or Exploratory Area
Black Rock

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1980' FSL & 1980' FEL, SEC 12, T40N, R28E

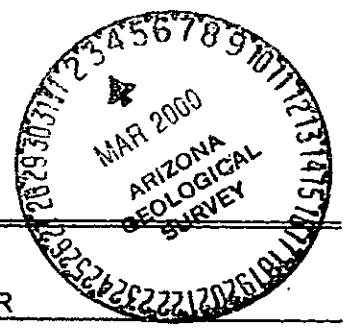
11. County or Parish, State
Apache County, AZ.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Completion Summary
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED SUMMARY OF COMPLETION OPERATIONS.



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

Name *(Printed/Typed)* MICHAEL T. HANSON

Title ENGINEER

Signature Michael T. Hanson

Date February 28, 2000

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Summary of Completion Operations

P/N 907

MIRU Completion Unit, BOP and Hydrogen Sulfide Safety Equipment. Picked up and RIH with bit, bit sub, 3 1/8" drill collars and 2 3/8" tubing. Drilled out stage collar. POOH with same RIH with 3 15/16"string mill and dressed up stage collar. POOH with same. RIH with 3 7/8" bit with 4 1/2" casing scraper and 2 3/8" tubing. Cleaned out to 5119 Ft. KB. Rolled hole with clean produced water. Pressure tested casing and pipe rams to 1500 psig. Ran CBL VDL with GR and CL from PBTD to 3150 Ft. Rigged up and perforated as follows.

Pinkerton Trail	4972-4979	14 holes	.38" hole
Barker Creek	4803-4806	6 holes	.38" hole
Akah	4651-4654	6 holes	.38" hole
Desert Creek	4609-4614	10 holes	.38" hole
Desert Creek	4595-4600	10 holes	.38" hole
Ismay	4517-4521	8 hole	.38" hole
	Total	54 holes.	.38" hole

RIH with Bridge Plug and Packer combination and acidized with 4800 gallons 20% HCL with additives (177 gallons per foot of perforations). Average treating pressure 1200 PSIG @ 2BPM.

Rigged up isolated and swabbed as follows:

Pinkerton Trail 4972-4979 Swabbing with intermittent flow.
10 bbls fluid/hr 100% water 30-200 mcf/day
average fluid level 2800 Ft.

Barker Creek 4803-4806 Swabbing with intermittent flow.
4 bbls fluid/hr 80% water 20% oil 30-100 mcf/day
average fluid level 4300 Ft.

Akah 4651-4654 Swabbing with intermittent flow.
5 bbls fluid/hr 50% water 50% oil 50-300 mcf/day
average fluid level 3300 Ft.

Desert Creek 4609-4614 Swabbing with intermittent flow.
4595-4600
8 bbls fluid/hr 80% water 20% oil 30-300 mcf/day
average fluid level 2350 Ft.

Ismay 4517-4521 Swabbing with intermittent flow.
2.5 bbls/hr 80% water 20% oil 10-300 mcf/day
average fluid level 4100 Ft.

MAR 2000
ARIZONA GEOLOGICAL SURVEY

All above information swabbing with intermittent flow through high pressure separator. Fluid measured in 300 bbl production tank with gas through 2" orifice meter to flare stack. All gas flared through flare stack. RIH and set CIBP at 4880 to isolate Pinkerton Trail. RIH with production tubing and landed at 4678 Ft. KB. RIH with pump and rods. Put on production with rod pump 4/6/99.

COLEMAN OIL GAS, INC.
DRY MESA #10

P/N 907

SURFACE CASING
8 5/8" CSG. @ 525.93 FT. KB
CEMENTED WITH 420 SXS CLASS B

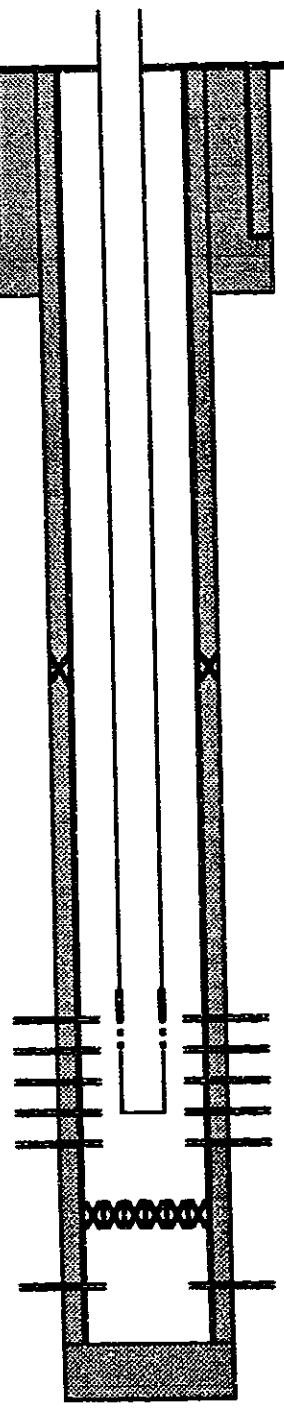
SURFACE PIPE
8 5/8" CSG LANDED @ 525.93 FT. KB.

PRODUCTION CASING
4 1/2", 10.5#, J-55, FT KB.

PRODUCTION CASING
4 1/2" 10.50#/FT J-55 LT&C @ 5169.80 FT. KB.
FIRST STAGE
CEMENTED WITH 500 SKS 50/50
B/POZ 2% GEL, .4% HALAD-9, 1/4#/FLOCELE.
SECOND STAGE
CEMENTED WITH 610 SKS 65/35
B/POZ 6% GEL, 1/4#/FLOCELE & 1 %CACL
CIRCULATED CEMENT TO SURFACE ON
BOTH STAGES.

STAGE COLLAR @ 3523.72 FT. KB.

TUBING STRING
132 JOINTS 8282.11 FT.
ANCHOR CATCHER
10 JOINTS 314.90 FT.
SEATING NIPPLE
3' PERFORATED SUB
2 JOINTS 62.98 FT.



2 3/8" SN @ 4611.26 FT. KB.
2 3/8" BTM TBG @ 4678.64 FT KB.
SN 1.78 I.D.

PERFORATIONS @

4517-4521
4595-4600
4609-4614
4651-4654
4803-4806

CAST IRON BRIDGE PLUG @ 4880

PINKERTON TRAIL
4972-4978

FLOAT COLLAR @ 5125.48 FT. KB.

T.D. @ 5170 FT. KB.

MAR 2000
ARIZONA GEOLOGICAL SURVEY

PREPARED BY MICHAEL T. HANSON 03/01/2000

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. [X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator
COLEMAN OIL & GAS, INC.

3a. Address
DRAWER 3337 FARMINGTON NM 87499

3b. Phone No. *(include area code)*
(505)-327-7160

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1980' FsL & 1980' FEL, SEC 12, T40N, R28E

5. Lease Serial No.
14-20-603-1490

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No. P/N 407
Dry Mesa #10

9. API Well No.
02-001-20318

10. Field and Pool, or Exploratory Area
Black Rock

11. County or Parish, State
Apache County, AZ.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[X] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SPUD WELL DECEMBER 17, 1998 @ 8:45 pM. DRILLED 12 1/4" SURFACE HOLE FROM SURFACE TO 536 FT. KB.. RAN 532.10 FT OF 8 5/8" 24#/FT J-55 ST&C & SET @ 525.93 FT. KB., CEMENTED W/ 420 SACKS CLASS B W/ 3% CACL & 1/4# PER SACK CELLOFLAKE. NIPPLED UP & PRESSURE TESTED BOP SYSTEM TO 1000 PSIG. TESTED CASING TO 1000 PSIG. DRILLED 7 7/8" OUT FROM UNDER SURFACE TO 5170 FT. KB.. RAN 5155.77 FT. OF 4 1/2" 10.50#/FT. J-55 LT&C & SET @ 5169.50 FT. KB.. CEMENTED IN TWO STAGES FIRST STAGE 500 SACKS 50/50 B/POZ WITH 2% GEL,1/4# PER SACK FLOCELE AND .4% HALAD 9. CIRCULATED 4 HOURS BETWEEN STAGES CIRCULATED 15 BARRELS OF CEMENT TO SURFACE THROUGH STAGE COLLAR @ 3523.72 FT. KB.. STAGE TWO 610 SACKS 65/35 B/POZ WITH 6% GEL, 1/4# PER SACK FLOCELE 1 %CACL TAILED WITH 50 SACKS CLASS B WITH CACL CIRCULATED 20 BARRELS TO SURFACE. RIG RELEASED @ 5:30 PM DECEMBER 31, 1998.
OPEN HOLE LOGS RAN HALLIBURTON HIR AND SDL/DSN DATED 12-30-98.
MUD LOGGER MOUNTAIN STATES WELL LOGGING COMPANY 12/22/98 TO 12/30/98.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* MICHAEL T. HANSON
Title ENGINEER
Signature Michael T Hanson
Date April 4, 1999

THIS SPACE FOR FEDERAL OR STATE USE

Approved by
Title
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office

APR 1999
ARIZONA
GEOLOGICAL SURVEY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

STATE: ARIZONA
COUNTY: APACHE
API: 02-001-20318
FIELD: DRY MESA
WELL CLASS: DG
THOMPSON ENGR & PROD

12-40N-28E
NW SE
1980 FSL 1980 FEL SEC
STATUS: GAS

10 DRY MESA

SPUD : 12/17/1998 **COMP** : 04/07/1999 **RIG REL** : 12/31/1998 **ELEV** : 5706 KB 5694 GR
TD : 5170 (12/29/1998) **FM/TD** : MOLAS **PBTD** : 5124 **DTD** : 5170
CONTR : BIG A WELL SERVICE **RIG # 46 RIG SUB: 12 (VERTICAL)**
PROJ DEPTH/FM : 5140 BARKER CREEK **PERMIT #** 907 **(ST APPD PMT: 11/05/1997) TARGET OBJ:** GAS

5170 DTD 5124 PB COMP:04/07/1999 # 001 IPP COND: 7 BPD GAS: 28 MCFD WTR: 20 BBL GOR 4216 64/64 FTP 300 FCP 300 PROD ZONE: PERF (PENNSYLVANIAN) 4517-4979 COMMINGLED.; NO CORES CUT , NO DST RUN

LOCATION DATA : 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); ;
WELL ID CHANGES : WELL NAME CHGD FROM NAVAJO TR 138.
CASING : 8 5/8 IN @ 526 W/420 SACK,4 1/2 IN @ 5170 W/1160 SACK;

(OVER)
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(CONTINUED)

LOG TYPES : CBND, VD, GR, TRCR;
LOG TOPS : CHINLE 1334, DE CHELLY 2046, ORGAN ROCK 2440, HERMOSA 4156, ISMAY UPPER 4347, ISMAY LOWER 4407, DESERT CREEK 4484, AKAH 4635, BARKER CREEK 4784, PINKERTON TRAIL 4907, MOLAS 5067;
PROD TEST(S): # 001 PERF (PINKERTON TRAIL) 4972-4979 W/ 14 SHOTS ; GAS: 200 MCFD WTR: 10 BBL **# 002** PERF (BARKER CREEK) 4803-4806 W/ 6 SHOTS ; COND: 1 BPD GAS: 100 MCFD WTR: 3 BBL **# 003** PERF (AKAH) 4651-4654 W/ 6 SHOTS ; COND: 2 BPD GAS: 300 MCFD WTR: 3 BBL **# 004** PERF (DESERT CREEK) 4595-4600 4609-4614 W/ 20 SHOTS ; COND: 2 BPD GAS: 300 MCFD WTR: 6 BBL **# 005** PERF (ISMAY) 4517-4521 W/ 8 SHOTS ; GAS: 300 MCFD WTR: 2 BBL
PRODUCING INTERVALS DATA: # 001 PERF (PENNSYLVANIAN) 4517-4979; ACID (4517-4979) W/ 4800 GAL ACID 20% HCL AIR 2 BPM ATP 1200 COND: 7 BPD GAS: 28 MCFD WTR: 20 BBL FTP 300 FCP 300; GOR: 4216 WELL PRODUCED 288 BC, 901 MCFG, 116 BW/ 24 DAYS - APR 1999; 212 BC, 695 MCFG, 71 BW/ 31 DAYS - MAY 1999.
OPER ADD : 7415 EAST MAIN, FARMINGTON, NM 87402, (505)327-4892;

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OFF: (505) 325-5667
FAX: (505) 327-1496

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

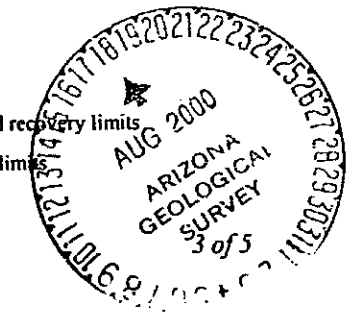
Date: *14-Jul-00*

P/N 507

Client:	Coleman Oil and Gas Company	**Client Sample Info:**	Coleman Oil and Gas
Work Order:	0006053	**Client Sample ID:**	Dry Mesa Well #10
Lab ID:	0006053-03A **Matrix:** AQUEOUS	**Collection Date:**	6/22/2000 1:00:00 PM
Project:	Coleman Oil and Gas	**COC Record:**	10759

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
CALCIUM, DISSOLVED		E215.1				Analyst: HR
Calcium	860	125		mg/L	500	7/10/2000
IRON, DISSOLVED		E236.1				Analyst: HR
Iron	0.66	0.1		mg/L	1	7/11/2000
POTASSIUM, DISSOLVED		E258.1				Analyst: HR
Potassium	520	120		mg/L	500	6/30/2000
MAGNESIUM, DISSOLVED		E242.1				Analyst: HR
Magnesium	360	50		mg/L	200	7/10/2000
SODIUM, DISSOLVED		E273.1				Analyst: HR
Sodium	12200	1250		mg/L	5000	6/30/2000
ALKALINITY, TOTAL		M2320 B				Analyst: HR
Alkalinity, Bicarbonate (As CaCO3)	1240	5		mg/L CaCO3	1	6/29/2000
Alkalinity, Carbonate (As CaCO3)	ND	5		mg/L CaCO3	1	6/29/2000
Alkalinity, Hydroxide	ND	5		mg/L CaCO3	1	6/29/2000
Alkalinity, Total (As CaCO3)	1240	5		mg/L CaCO3	1	6/29/2000
CHLORIDE		E325.3				Analyst: HR
Chloride	18500	1		mg/L	1	6/29/2000
HARDNESS, TOTAL		M2340 B				Analyst: HR
Hardness (As CaCO3)	3660	1		mg/L	1	6/27/2000
PH		E150.1				Analyst: HR
pH	7.20	2		pH units	1	6/23/2000
RESISTIVITY (@ 25 DEG. C)		M2510 C				Analyst: HR
Resistivity	0.206	0.001		ohm-m	1	6/27/2000
SPECIFIC GRAVITY		M2710 F				Analyst: HR
Specific Gravity	1.026	0.001		Units	1	6/28/2000
SULFATE		M4500-SO4 D				Analyst: HR
Sulfate	920	5		mg/L	1	6/29/2000
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: HR
Total Dissolved Solids (Residue, Filterable)	37900	40		mg/L	1	6/27/2000
TOTAL DISSOLVED SOLIDS		CALC				Analyst: HR
Total Dissolved Solids (Calculated)	34100	40		mg/L	1	7/11/2000

Perfs 4517-4575 TP Paradox



3 of 5

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

OFF: (505) 325-5667
FAX: (505) 327-1496

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: *14-Jul-00*

Client: Coleman Oil and Gas Company
Work Order: 0006053
Lab ID: 0006053-05A **Matrix:** AQUEOUS
Project: Coleman Oil and Gas

Client Sample Info: Coleman Oil and Gas
Client Sample ID: Dry Mesa Comp. #2, 3, 10, & 6
Collection Date: 6/22/2000
COC Record: 10759

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
CALCIUM, DISSOLVED		E215.1				Analyst: HR
Calcium	3770	250		mg/L	1000	7/10/2000
IRON, DISSOLVED		E236.1				Analyst: HR
Iron	1.2	0.1		mg/L	1	7/11/2000
POTASSIUM, DISSOLVED		E258.1				Analyst: HR
Potassium	520	100		mg/L	400	6/30/2000
MAGNESIUM, DISSOLVED		E242.1				Analyst: HR
Magnesium	540	50		mg/L	200	7/10/2000
SODIUM, DISSOLVED		E273.1				Analyst: HR
Sodium	11000	1250		mg/L	5000	6/30/2000
ALKALINITY, TOTAL		M2320 B				Analyst: HR
Alkalinity, Bicarbonate (As CaCO3)	960	5		mg/L CaCO3	1	6/29/2000
Alkalinity, Carbonate (As CaCO3)	ND	5		mg/L CaCO3	1	6/29/2000
Alkalinity, Hydroxide	ND	5		mg/L CaCO3	1	6/29/2000
Alkalinity, Total (As CaCO3)	960	5		mg/L CaCO3	1	6/29/2000
CHLORIDE		E325.3				Analyst: HR
Chloride	21100	1		mg/L	1	6/29/2000
HARDNESS, TOTAL		M2340 B				Analyst: HR
Hardness (As CaCO3)	11600	1		mg/L	1	7/11/2000
PH		E150.1				Analyst: HR
pH	6.16	2		pH units	1	6/23/2000
RESISTIVITY (@ 25 DEG. C)		M2510 C				Analyst: HR
Resistivity	0.177	0.001		ohm-m	1	6/27/2000
SPECIFIC GRAVITY		M2710 F				Analyst: HR
Specific Gravity	1.029	0.001		Units	1	6/28/2000
SULFATE		M4500-SO4 D				Analyst: HR
Sulfate	1230	5		mg/L	1	6/29/2000
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: HR
Total Dissolved Solids (Residue, Filterable)	43600	40		mg/L	1	6/27/2000
TOTAL DISSOLVED SOLIDS		CALC				Analyst: HR
Total Dissolved Solids (Calculated)	38700	40		mg/L	1	7/11/2000

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

ARIZONA GEOLOGICAL SURVEY

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556
FAX: (505) 327-1496

On Site Technologies, LTD. **Date:** *14-Jul-00*

CLIENT: Coleman Oil and Gas Company
Project: Coleman Oil and Gas
Lab Order: 0006053

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.
Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

Cation-Anion Balance 0006053-01A Dry Mesa Well #2
Total Cation-Anion = 867.86 meq/L
Difference Cation-Anion = 54.47 meq/L
% Difference = 6.3 %

Cation-Anion Balance 0006053-02A Dry Mesa Well #3
Total Cation-Anion = 910.78 meq/L
Difference Cation-Anion = 15.66 meq/L
% Difference = 1.7 %

907

Cation-Anion Balance 0006053-03A Dry Mesa Well #10
Total Cation-Anion = 1177.25 meq/L
Difference Cation-Anion = 52.37 meq/L
% Difference = 4.4 %

Cation-Anion Balance 0006053-04A Dry Mesa Well #6
Total Cation-Anion = 4175.30 meq/L
Difference Cation-Anion = 194.97 meq/L
% Difference = 4.7 %

Cation-Anion Balance 0006053-05A Dry Mesa Well Composite
Total Cation-Anion = 1359.66 meq/L
Difference Cation-Anion = 84.97 meq/L
% Difference = 6.2 %

ARIZONA GEOLOGICAL SURVEY

P.O. BOX 2606 • FARMINGTON, NM 87499
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

2/11 & 3/1

Coleman O&G DM #10
KB 5706

as correlated by
SL Rauzi

Chinle Fm	930	(4776')
Dechelly ss	2054	(3652')
Organ Rock	2446	(3266')
Hermosa	3764	(1942')
Upper Ismay	4152	(1354)
Lower Ismay	4408	(1298)
Akah	4635	(-1071)
Molas	5118	(588)
T.D. in Molas	5170	(536)

PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: THOMPSON ENGINEERING & PRODUCTION CORP
(OPERATOR)

to drill a well to be known as

DRY MESA #10 NAVAJO-138
(WELL NAME)

located 1,980' FSL & 1,980' FEL

Section 12 Township 40N Range 28E, APACHE County, Arizona.

The SE 1/4 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 10 day of JULY, 1998.

OIL AND GAS CONSERVATION COMMISSION

By Steven C. Ranney
EXECUTIVE DIRECTOR

OIL & GAS PROGRAM ADMINISTRATOR

PERMIT 00907

RECEIPT NO. 3105

A.P.I. NO. 02-001-20318

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

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

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒ RE-ENTER OLD WELL ☐

NAME OF COMPANY OR OPERATOR
Thompson Engineering & Production Corp. (505-327-4892)
7415 E. Main St., Farmington, NM 87401
Address City State

Drilling Contractor: Bid not yet awarded

Address: Unknown at this time

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
14-20-603-4190	Dry Mesa #10	5694'

Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied–for well on the same lease:
1980 feet	2951 feet
Number of acres in lease: 2365.09	Number of wells on lease, including this well, completed in or drilling to this reservoir: 4

If lease, purchased with one or more wells drilled, from whom purchased: Name / Address
Dry Mesa Corporation, Wichita, Ks.

Well location (give footage from section lines)	Section–township–range or block and survey	Dedication (Comply with Rule 105)
1980'FSL & 1980'FEL	Section 12, T.40N., R.28E.	SE4

Field and reservoir (if wildcat, so state)	County
Black Rock	Apache

Distance in miles, and direction from nearest town or post office
16 air miles ESE of Mexican Water, Az.

Proposed depth:	Rotary or cable tools	Approx. date work will start
5,140'	Rotary	Upon Approval
Bond Status / Amount Active $75,000	Organization Report: On file Yes Or attached	Filing Fee of $25.00: Attached Attached

Remarks:

*API #02-001-20318

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Consultant of the Thompson Engineering & Production 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: Brian Wood

Date: 6-30-98

Permit Number: 907
Approval Date: 7/10/98
Approved By: Steven L. Rauzi

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

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

Form No. 3

(Complete Reverse Side)

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

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.

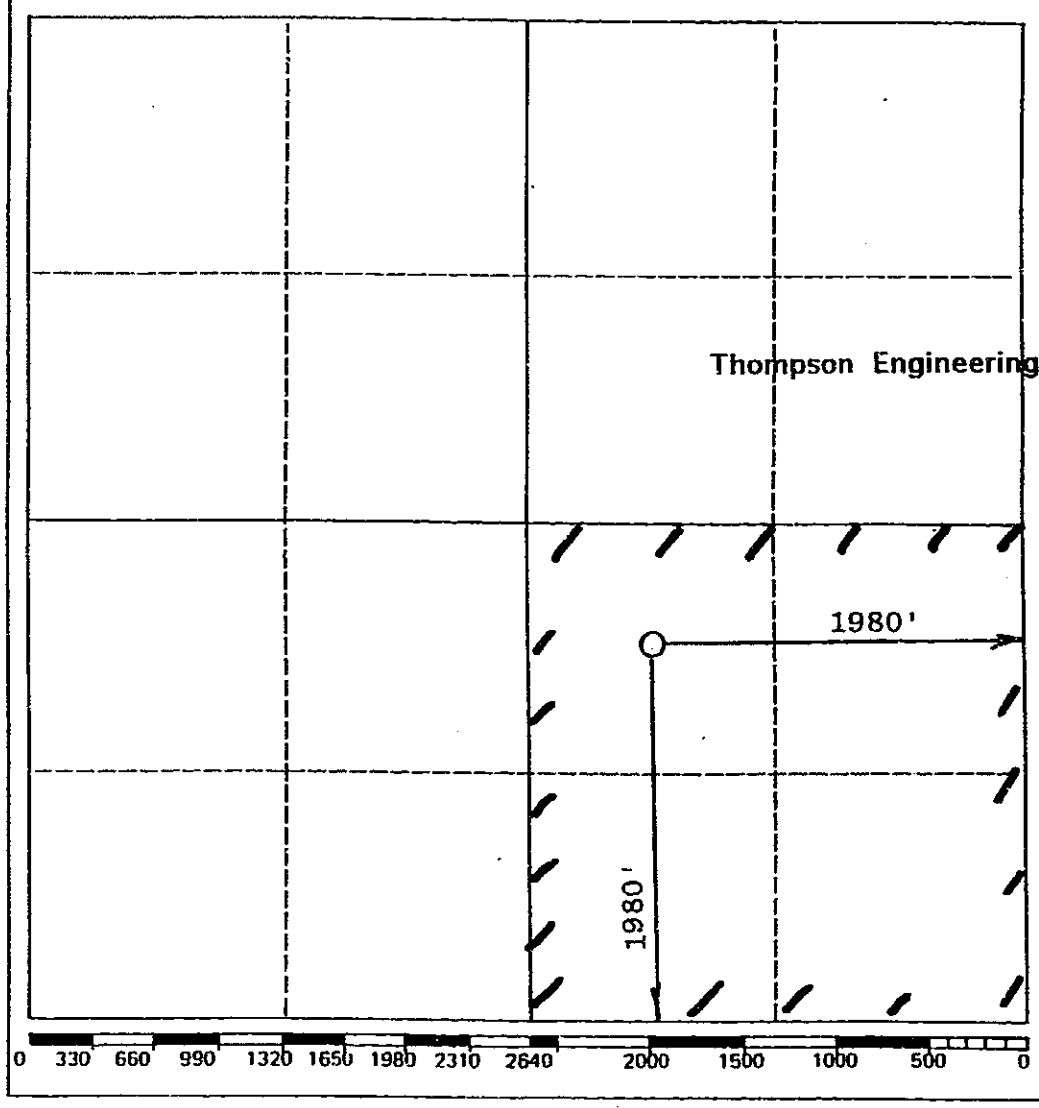
3. ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.

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



CERTIFICATION

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

Name Brian Wood

Position Consultant

Company Thompson Engineering & Production Corp.

Date June 30, 1998

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

Date Surveyed 6-28-'97

Registered Professional Engineer and/or Land Surveyor

Certificate No. 14668

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14668 GERALD G. HUDDLESTON ARIZONA, U.S.A.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement	Type
7.625	26.4	K-55	GL	1,500'	0' to 1,500'	395	See
5.5	15.5	K-55	GL	5,140'	1,000' to 5,140'	395	APD

Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK: DRILL ☑ DEEPEN ☐

b. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER — SINGLE ZONE ☐ MULTIPLE ZONE ☑

2. NAME OF OPERATOR: Thompson Engineering & Production Corp. (505) 327-4892

3. ADDRESS AND TELEPHONE NO.: 7415 East Main St., Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1980' FSL & 1980' FEL
At proposed prod. zone: Same

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-4190
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
7. UNIT AGREEMENT NAME: N/A
8. FARM OR LEASE NAME, WELL NO.: Dry Mesa #10
9. API WELL NO.:
10. FIELD AND POOL, OR WILDCAT: Black Rock
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 12-40n-28e

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 16 air miles ESE of Mexican Water, Az.

12. COUNTY OR PARISH: Apache
13. STATE: Az.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	1980'	16. NO. OF ACRES IN LEASE: 2365.09	17. NO. OF ACRES ASSIGNED TO THIS WELL: 160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	2,951'	19. PROPOSED DEPTH: 5,140'	20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5,694' ungraded ground

22. APPROX. DATE WORK WILL START*: Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-1/2"	10-3/4" (H-40)	32.75#	200'	≈145 cu ft & to surface
9-7/8"	7-5/8" (K-55)	26.4#	1,500'	≈646 cu ft & to surface
6-3/4"	5-1/2" (K-55)	15.5#	5,140'	≈692 cu ft & to 1,000'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

cc: BIA (Ship. & WR), BLM, Emmendorfer, OGCC, Thompson, Tribe

24.

SIGNED Bruce Wood TITLE Consultant (505) 466-8120 DATE 7-3-98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Thompson Engineering & Production Corp.
Dry Mesa #10
1980' FSL & 1980' FEL
Sec. 12, T. 40 N., R. 28 E.
Apache County, Arizona

Drilling Program

1. FORMATION TOPS

The estimated tops of important geologic markers are:

Formation Name	GL Depth	KB Depth	Subsea El.
San Rafael Group Ss	12'	0'	5,694'
Chinle Sh	1,382'	1,394'	4,312'
DeChelly Ss	2,017'	2,029'	3,677'
Organ Rock Sh	2,422'	2,434'	3,272'
Hermosa	4,189'	4,201'	1,505'
Upper Ismay	4,334'	4,346'	1,360'
Lower Ismay	4,394'	4,406'	1,300'
Desert Creek	4,479'	4,491'	1,215'
Akah Sh	4,629'	4,641'	1,065'
Barker Creek	4,774'	4,786'	950'
Pinkerton Trail	4,888'	4,900'	806'
Molas	5,120'	5,132'	574'
Total Depth (TD)*	5,140'	5,152'	554'

* all elevations reflect the ungraded ground level of 5,694'

2. NOTABLE ZONES

Oil and gas are possible in the Ismay, Desert Creek, and Barker Creek. Water may be found in the San Rafael Group and the three above zones. Oil and gas shows which appear to the well site geologist to be commercial may be tested. All fresh water and prospectively valuable minerals will be recorded by depth and protected with casing and cement.

3. PRESSURE CONTROL

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

A double ram or annular ≥2,000 psi working pressure BOP system with a rotating head will be used. All ram type preventers and related equipment will be hydraulically tested to 1,000 psi at nipple up and after any use under pressure. 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. BOP equipment will include a kelly cock, floor safety valve, and choke manifold - all rated to ≥2,000 psi.

4. CASING & CEMENT

Hole Size	O.D.	Weight (lb/ft)	Grade	Age	GL Set. Depth
13-1/2"	10-3/4"	32.75	H-40	New	200'
9-7/8"	7-5/8"	26.4	K-55	New	1,500'
6-3/4"	5-1/2"	15.5	K-55	New	5,140'

Surface casing will be cemented to the surface with 125 sx (145 cu. ft.) of Class H with 2% $CaCl_2$ and 1/4 #/sk celloflake. Yield = 1.18 cu. ft./sk. Slurry weight = 15.6 ppg. Volume = 100% excess. WOC = 12 hours. Pressure test surface casing to 600 psi for 30 minutes.

Intermediate casing will be cemented to the surface. Hole will initially be circulated with mud equal to 150% of the hole volume, then with 30 bbl fresh water. Lead with 195 sx (410 cu. ft.) Class H 65/35 Poz with 10% gel and 1/4 #/sk celloflake. Yield = 2.1 cu. ft./sk. Slurry weight = 12.1 ppg. Tail with 200 sx (236 cu. ft.) Class H with 2% $CaCl_2$ and 1/4 #/sk celloflake. Yield =1.18 cu. f.t/sk. Slurry weight = 15.6 ppg. Total cement volume is 646 cu. ft. based on 100% excess.

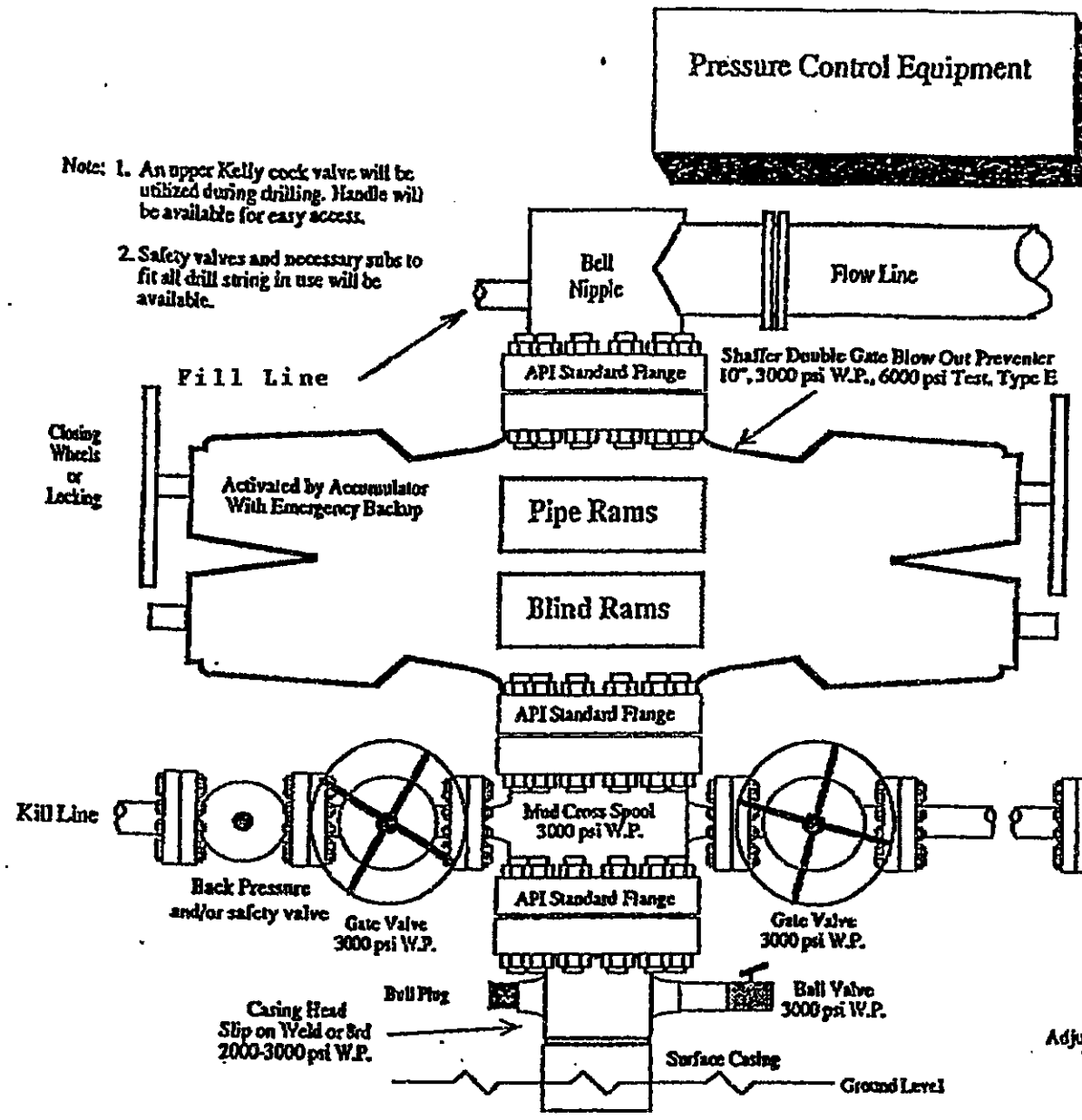
Intermediate casing equipment will include a guide shoe, self fill insert float collar, float placed one joint above the shoe, five centralizers spaced every other joint above the shoe, and one turbolizer above and below the shoe.

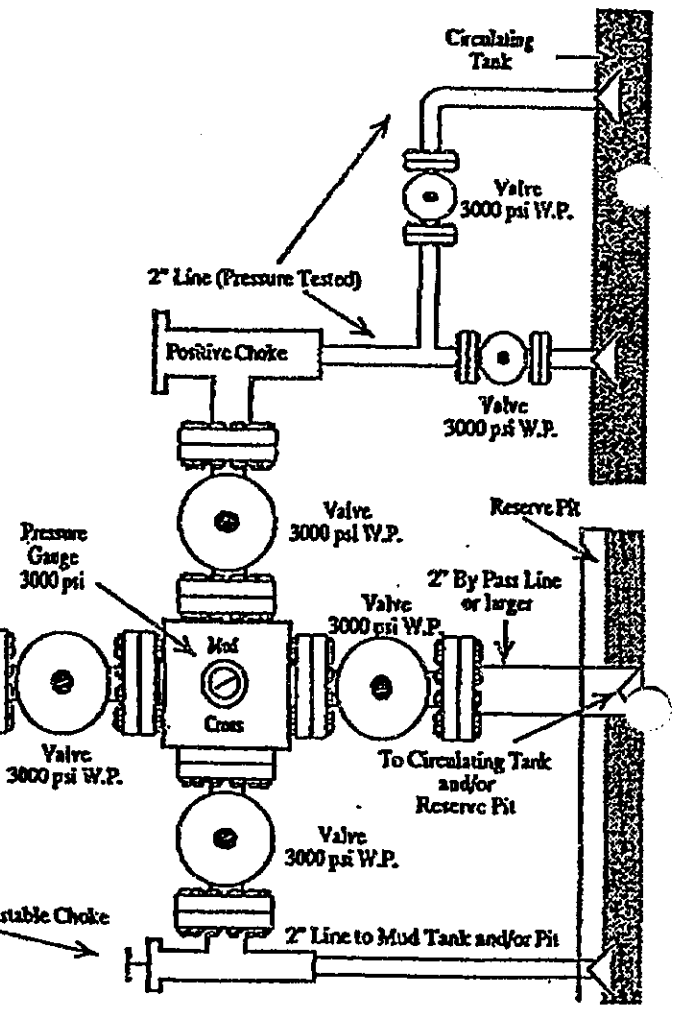
Pressure Control Equipment

Minimum 2" Choke Line.
Minimum 2" Kill Line.
At Least One 2" Minimum Kill Line Valve.

Note: 1. An upper Kelly cock valve will be utilized during drilling. Handle will be available for easy access.

2. Safety valves and necessary subs to fit all drill string in use will be available.





Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be caried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.

Production casing will be cemented to 1,000'. Hole will initially be circulated with mud equal to 150% of the hole volume, then with 30 bbl fresh water. Lead with 245 sx (515 cu. ft.) Class H 65/35 Poz with 10% gel and 1/4 #/sk celloflake. Yield = 2.1 cu. ft./sk. Slurry weight = 12.1 ppg. Tail with 150 sx (177 cu. ft.) Class H with 2% $CaCl_2$ and 1/4 #/sk celloflake. Yield =1.18 cu. f.t/sk. Slurry weight = 15.6 ppg. Total cement volume for production casing is 692 cu. ft. based on 100% excess.

Production casing equipment will include guide shoe, self fill insert float collar, float one joint above shoe, and ten centralizers spaced every other joint above the shoe.

5. MUD PROGRAM

Surface casing hole will be drilled with a fresh water mud. Remainder of well bore will be drilled with a fresh water polymer mud. Weighting material will be drill solids or if needed, barite. Maximum mud weight is 9.0 ppg.

6. CORING, TESTING, & LOGGING

No cores or DSTs are planned at this time. However, DSTs may be done on any possible producing zone if deemed necessary while drilling. Induction/GR and density logs will be run. A logging unit will be on site from ≈1,500' to TD.

7. DOWNHOLE CONDITIONS

No abnormal temperatures or pressures are expected. A field wide hydrogen sulfide plan is in place. Maximum pressure will be ≈1,800 psi.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take ≈2 weeks to drill and ≈2 weeks to complete the well.

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

Surface Use Plan

1. DIRECTIONS & EXISTING ROADS (See Pages 10 & 11)

From Milepost 456.05 (6 miles east of the Red Mesa Store) on US 160 ...
Turn and go southwest 4.5 miles on N-5049.
Then turn right and go northwest 825' on a jeep trail.
Then turn left and go southwest 755' on the jeep trail.
Then turn left onto an orange flagged route and go around an archaeology site for 475' before returning to the jeep trail.
Then return to the jeep trail and follow it west for 270'.
Then turn left onto an orange flagged route and go around an archaeology site for 445'.
Then return to the jeep trail and follow it west 390'.
Then turn right and go north 285' to the well on an orange flagged route.

Existing roads need no upgrading. Roads will be maintained to a standard at least equal to their present condition.

2. ROAD TO BE BUILT

The final 3,445' of access will be built or upgraded depending on the segment. It will be flat bladed 15' wide. Maximum disturbed width will not exceed 30'. The two abandoned segments of jeep trail which cross archaeology sites will be blocked with berms. Some sandy road segments will be rock surfaced. No culverts are needed. Maximum cut or fill is 5'. Maximum grade is 9%.

3. EXISTING WELLS (See Page 11)

There are 4 existing oil, gas, or water disposal wells within a mile radius.

No water supply well is within a mile.

4. PROPOSED PRODUCTION FACILITIES

A wellhead, separator, meter run, and 210 barrel tank may be installed. All will be painted a flat earth tone color. Gas will be transported 2,770' north through a ≈4" OD welded steel pipeline laid on the surface to an existing gas pipeline. Wall thickness will be 0.156". Operating pressure will be ≈350 psi. Burst pressure is ≈1,750 psi. Pipe will be tested with gas to ≈500 psi before use. Test gas will discharge into the existing pipe. All of the pipeline is on lease. No powerline is planned.

5. WATER SUPPLY

Water will be trucked from a BLM water well west of Montezuma Creek. It is approved under state water permit 09-1834.

6. CONSTRUCTION MATERIALS & METHODS (See PAGES 12 & 13)

Topsoil and brush will be stripped and stockpiled on the east. No cut or fill slope will be steeper than 3 to 1. Once the well site is built, then all slopes will be seeded (see Reclamation on next page) and covered with jute mats to prevent erosion. After the well is completed, the entire well pad and its matted slopes will be fenced sheep tight. A cattleguard will be installed at the entrance to the pad. Rock will be hauled from an existing source off the reservation.

7. WASTE DISPOSAL

The reserve pit will be lined with either 24 tons of commercial bentonite

or ≥10 mil plastic liner. It will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries. Once dry, contents of the reserve pit will be buried in place.

Human waste will be disposed of in chemical toilets, which will be hauled to state approved dump stations. All trash will be placed in a portable trash cage. It will be hauled to a state approved landfill off the reservation. There will be no trash burial or burning.

8. ANCILLARY FACILITIES

There will be no air strips or camps. Camper trailers may be on location for the company man, tool pusher, and mud loggers.

9. WELL SITE LAYOUT

See PAGES 12 & 13 for depictions of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, parking, living facilities, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate, at which point it will be backfilled. The pad and backfilled pit will be recontoured to a natural appearance. Stockpiled topsoil and brush will be evenly spread. Compacted areas will be ripped before seeding. The last 285' of road will be blocked and totally reclaimed. Water bars will be installed. Disturbed areas will be broadcast seeded with the Navajo Dept. of Agriculture standard desert grassland mix

of 1.5 lb/ac alkali sacaton, 1.5 lb/ac curly grass, 2 lb/ac Indian ricegrass, 1.5 lb/ac sand dropseed, 3 lb/ac western wheatgrass, 2 lb/ ac four wing saltbush, 1.5 lb/ac shadscale, and 0.5 lb/ac bandera penstemon. Seed bed will be raked, harrowed, or drug to lightly cover the seed. The cattleguard will be removed and the well site fenced shut.

If the well is a producer, then the reserve pit and any other areas not needed for workovers will be reclaimed as previously described.

11. SURFACE OWNER

The well, new road, and pipeline are all on the same lease and on Navajo Tribal Trust surface.

12. OTHER INFORMATION

The nearest hospital is a 1 hour drive away in northeast Shiprock.

13. REPRESENTATION

Anyone having questions concerning the APD should call:

Brian Wood, Consultant (505) 466-8120
Permits West, Inc. FAX: (505) 466-9682
37 Verano Loop Cellular: (505) 699-2276
Santa Fe, NM 87505

The field representative will be:

Paul Thompson (505) 327-4892
Thompson Engineering & Production Corp.
7415 East Main St.
Farmington, NM 87401

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

Thompson Engineering & Production Corp. has the necessary consents from the proper lease owners to conduct lease operations in conjunction with this well. Bond coverage pursuant to 43 CFR 3104 for lease activities and operations is being provided by Thompson Engineering & Production Corp.

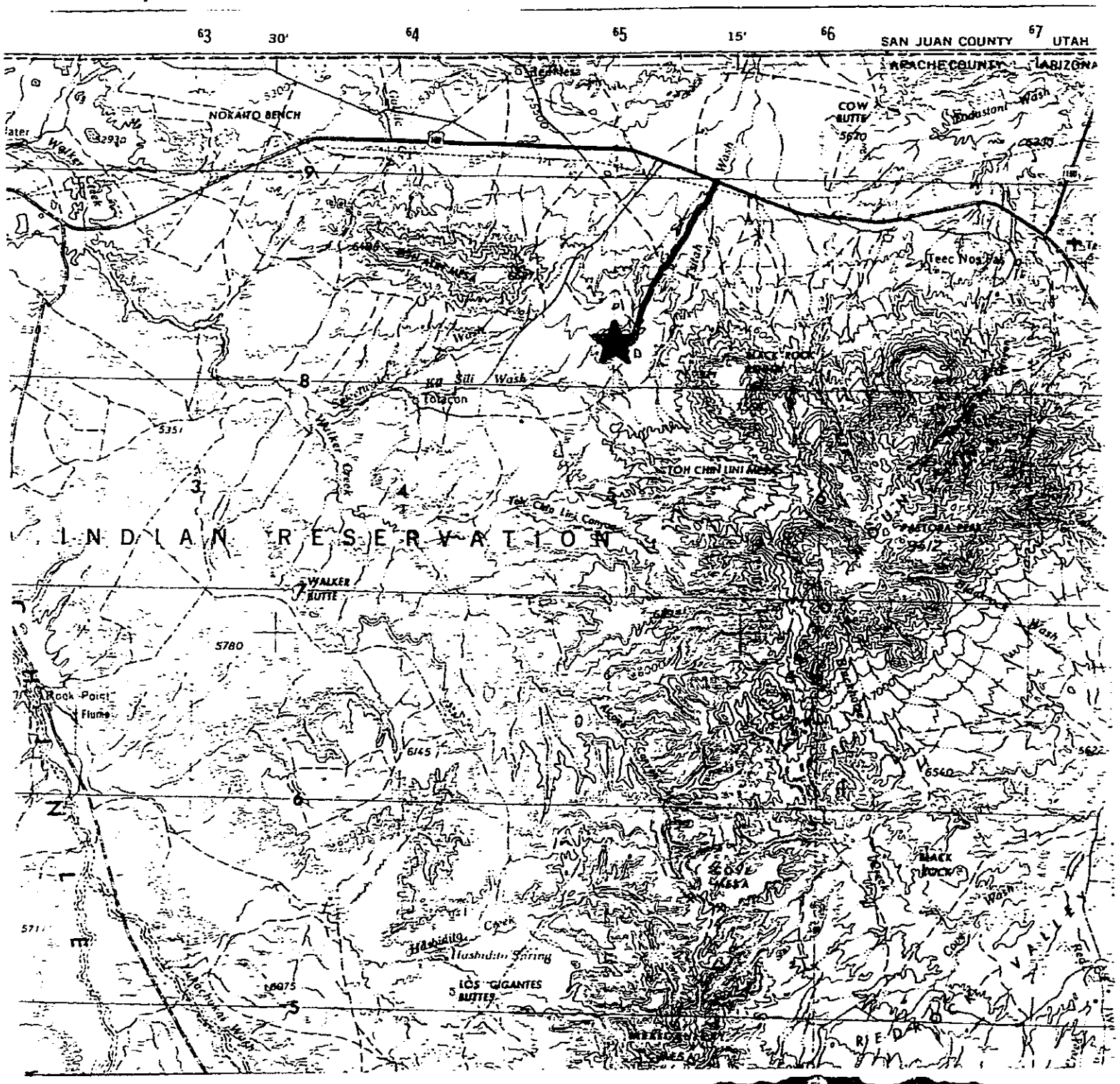
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Thompson Engineering & Production Corp. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Brian Wood, Consultant

June 30, 1998
Date

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

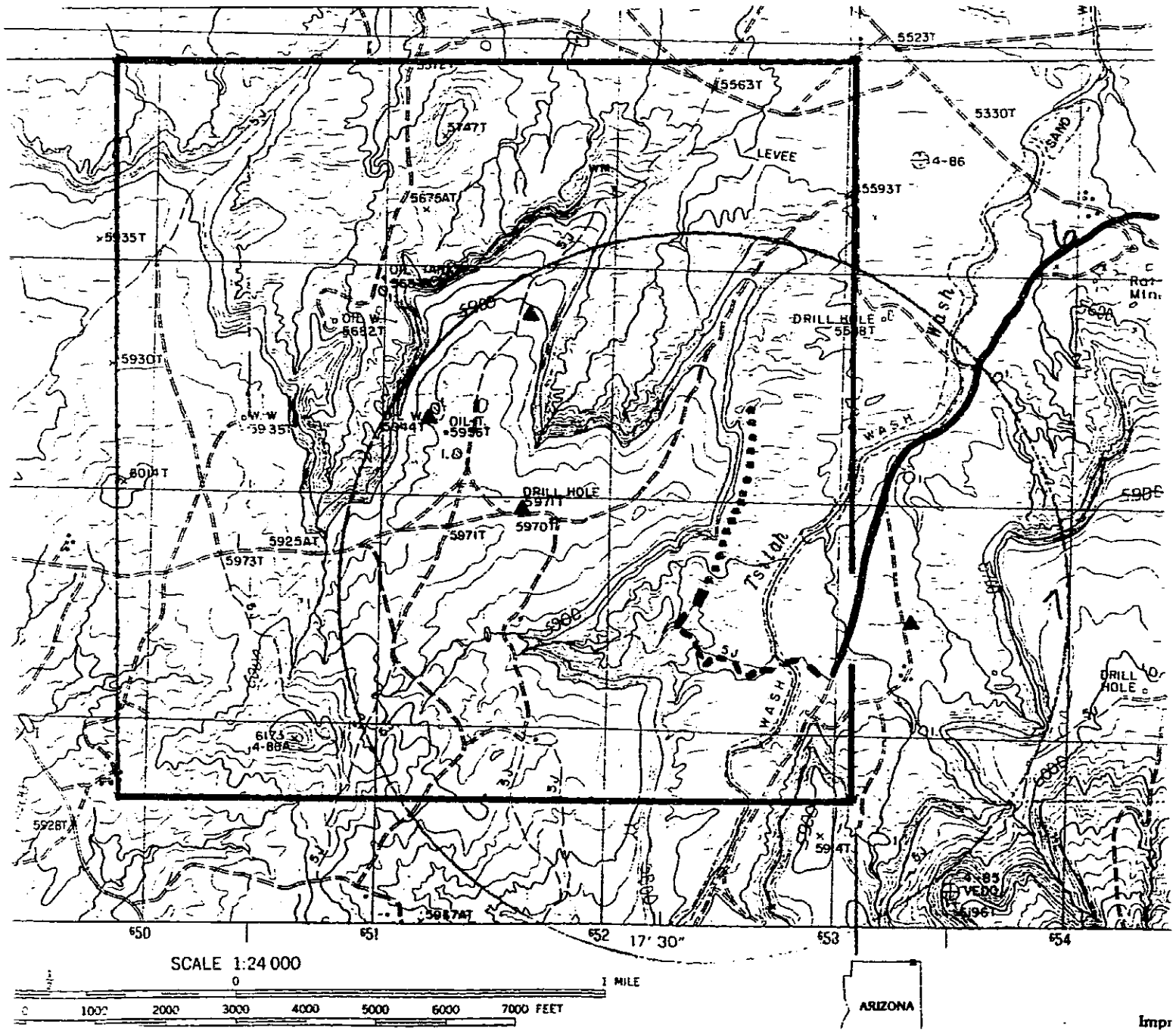
Thompson Engineering & Production Corp.
Dry Mesa #10
1980' FSL & 1980' FEL
Sec. 12, T. 40 N., R. 28 E.
Apache County, Arizona



PROPOSED WELL: ★ ACCESS: ~

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

Thompson Engineering & Production Corp.
Dry Mesa #10
1980' FSL & 1980' FEL
Sec. 12, T. 40 N., R. 28 E.
Apache County, Arizona



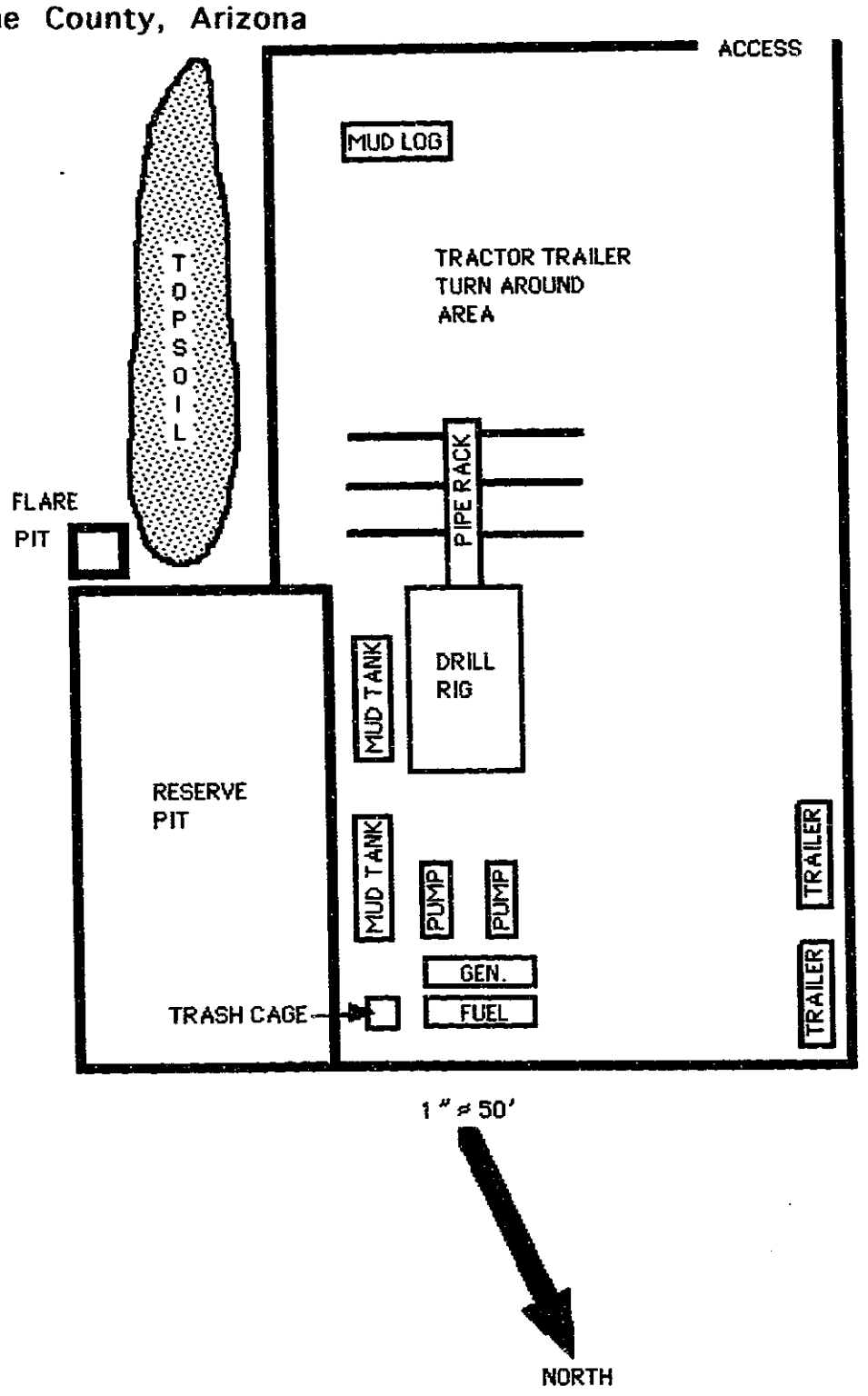
EXISTING WELL: ▲ PROPOSED WELL: ◆ LEASE: ⌐

EXISTING ROAD: ~ ROAD TO BE BUILT/UPGRADED: ⁄ ⁄ ⁄

PROPOSED PIPELINE: ⋰

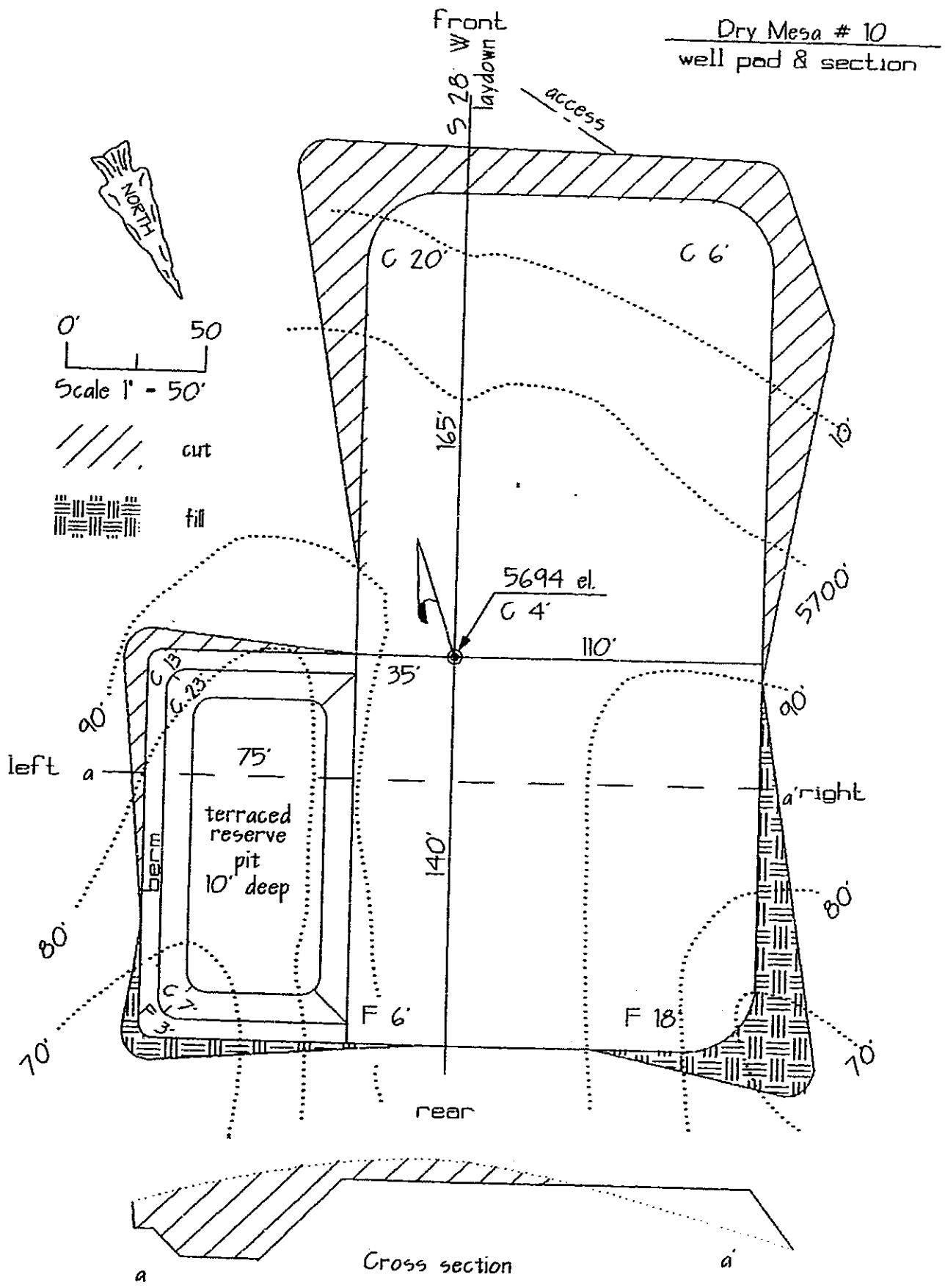
PERMITS WEST INC.
PROVIDING PERMITS for LAND USERS

Thompson Engineering & Production Corp.
Dry Mesa #10
1980' FSL & 1980' FEL
Sec. 12, T. 40 N., R. 28 E.
Apache County, Arizona



PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS

Dry Mesa # 10
well pad & section



RECEIPT Date 7-8 19 98 No. 3105

Received From Permits West, Inc

Address 37 Verano Loop, Santa Fe NM 87505

Twenty five and no/100 Dollars $25.00

For filing fee Dry Mesa #10 Navajo-138 (permit 907)

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

Check # 3240

By Steven L. Ramey

8K806 Radifpm

PERMITS WEST, INC. 11-86
37 VERANO LOOP 466-8120
SANTA FE, NM 87505

95-79/1070

3240

7-5 19 98

PAY TO THE ORDER OF Az. Oil + Gas Conserv. Comm. $ 25.00

Twenty-five and NO/100 DOLLARS

NationsBank
NationsBank, N.A.
NEW MEXICO

FOR

K. Beadle

⑈107000796⑈ ⑆100640760⑈ 3240

WALSH ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

7415 East Main
Farmington, New Mexico 87402
(505) 327-4892

November 6, 1997

FAX 520 770-3505

TO: Steve Rauzi

FROM: Ruth Rogge

As per your conversation with Chris Coleman, enclosed please find an approved Designation of Operator and also a copy of approved Letter of Credit Bond No. 564 for Coleman/Thompson.

I am also enclosing a copy of letter received from Mr. Clint W. Smith concerning bonding on this lease. I will send you copies of the above in the mail today.

If you need anything else, please give me a call.

rr

NOV 1997
ARIZONA GEOLOGICAL SURVEY

PW 77

09/17/97 11:22 FAX 327 4962 COLEMAN OIL GAS 001

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
NAVAJO AREA OFFICE
P. O. Box 1060
Gallup, New Mexico 87305

IN REPLY REFER TO:

ARES/543

SEP 12 1997

Mr. Chris Coleman
Coleman Oil and Gas, Inc.
P. O. Box Drawer 3337
Farmington, New Mexico 87499-3337

Dear Mr. Coleman:

Enclosed for your information and use is an approved original copy of Designation of Operator between Coleman Oil & Gas, Inc., and Thompson Engineering & Production Corporation on Navajo Tribal Oil and Gas Lease No. 14-20-603-4190.

Please note that all other concerned parties will be furnished their approved copy of the Designation of Operator for their use.

Sincerely,

Dale Underwood
Acting Area Realty Officer

Enclosure

NOV 1997
ARIZONA GEOLOGICAL SURVEY

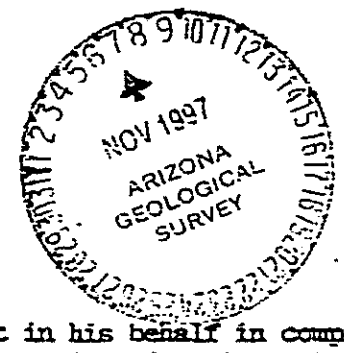
(March 1991) (Submit in triplicate to appropriate BIA office)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Indian Affairs, holder of lease

AREA OFFICE:
LEASE NO: 14-20-603-4190



and hereby designates

NAME: Thompson Engineering & Production Corporation

ADDRESS: 7415 East Main Farmington, N.M. 87402-5180

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (describe acreage to which this designation is applicable):

T40N, R28 E; G&SRM
Section 1, 2 -ALL (Fractional)
Section 11 and 12-ALL
2365.09 Acres, Surveyed, Apache County, Arizona

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number Letter Of Credit #564 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attach all appropriate documentation relevant to this document.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

George E. Coleman
(Signature of lessee)
George E. Coleman, President
July 1, 1997 Coleman Oil & Gas, Inc. P.O. Drawer 3337 Farmington, N.M. 87499
(Date) (Address)

APPROVED, PURSUANT TO SECRETARY'S REORGANIZATION ORDER 209 DM, & SECRETARY'S ORDER NOS. 3150 AND 3177, AND 10 BIAM BULLETIN 13, AS AMENDED.

Dennis Daniels ACTING AREA DIRECTOR 9/12/97
APPROVED BY TITLE (Date)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

United States Department of the Interior
BUREAU OF INDIAN AFFAIRS
NAVAJO AREA OFFICE
P. O. Box 1060
Gallup, New Mexico 87305-1060

IN REPLY
REFER TO:

ARES/543

AUG 2 2 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Chris Coleman
Coleman Oil and Gas, Inc.
P. O. Drawer 3337
Farmington, New Mexico 87499-3337

Dear Mr. Coleman:

Enclosed for your information and file is a copy of the approved Letter of Credit Bond No. 564 for the amount of $75,000 for lease No. 14-20-603-4190. The original copy will be on file in our office.

If you have any further questions, you may contact Ms. Bertha Spencer, Realty Specialist, at (520) 871-5938.

Sincerely,

Dale . Underwood

Acting Area Realty Officer

Enclosure

NOV 1997
ARIZONA
GEOLOGICAL
SURVEY

RECEIVED
AUG 7 1997
NAVAJO AREA OFFICE
BRANCH OF REAL ESTATE SERVICES

RECEIVED
JUL 14 1997
NAVAJO AREA OFFICE
BRANCH OF REAL ESTATE SERVICES

First National Bank of Farmington
Charter Member FDIC

RECEIVED
AUG 20 1997
NAVAJO AREA OFFICE
REAL ESTATE SERVICES

June 30, 1997

IRREVOCABLE LETTER OF CREDIT

First National Bank of Farmington
P.O. Box 4540
Farmington, NM 87499-4540

Letter of Credit No. 564

Amount: U.S. $75,000.00

Beneficiary:
Bureau of Indian Affairs
Navajo Area Office
P.O. Box 1060
Gallup, NM 87305-1060

Applicant:
Coleman Oil and Gas, Inc.
Thompson Engineering & Production Corp.
P.O. Drawer 3337
Farmington, NM 87499-3337

Date of Issue:
6/30/97

Expiration Date: Written Approval of BI

Gentlemen:

First National Bank of Farmington ("Surety") hereby issues our Irrevocable Letter of Credit No. 564 in favor of the Bureau of Indian Affairs, Navajo Area Office, hereinafter referred to as Beneficiary for the account of Coleman Oil & Gas, Inc. ("Principal") for the sum of up to, but not exceeding, Seventy-Five Thousand and No/100 U.S. Dollars ($75,000.00) available by your draft. This Irrevocable Letter of Credit is a guarantee that the operator/lessee/assignee/permittee shall well and truly perform and fulfill all the undertakings, covenants, terms, and conditions of said agreement and the applicable federal regulations (25 CFR, 30 CFR and 43 CFR). The draft will be made available upon written certification from the Area Director, Navajo Area, stating that such amounts are due and payable. Each sight draft so drawn and presented shall be honored by us if presented. This Letter of Credit refers to __x__ oil and gas __x__ activities on the entire: Navajo Lease Allottment No: BIA 14-20-603-4190.

It is the express condition of this Letter of Credit that it shall be in effect until the Area Director, Navajo Area, in writing, cancels said Letter of Credit upon request of the Principal or Surety. The Principal and Surety agree that the Letter of Credit shall extend to and include all extensions and renewals of the lease/permit/agreement covered by this Letter of Credit, such coverage to continue without interruption due to the expiration of the term set forth therein.

NOV 1997
ARIZONA GEOLOGICAL SURVEY

First National Bank of Farmington
Charter Member FDIC

The Surety hereby waives any right to notice of any modification of any lease/permit/agreement, or obligation thereunder whether effected by extension of time for performance, by commitment of such lease to unit, cooperative, or communitization agreement, by waiver, suspension, or change in rental, by minimum royalty payment, by compensatory royalty payment, or otherwise, and this Letter of Credit is to remain in full force and effect notwithstanding.

The Principal and Surety agree that the neglect or forbearance of any obligee under this Letter of credit in enforcing the payment of any obligations or the performance of any other covenant, condition, or agreement of any such lease/permit/agreement shall not in any way release the Principal and Surety, or either of them, from any liability under this Letter of Credit.

The original signed Letter of Credit will be presented to the Surety by the Bureau of Indian Affairs along with any draft presented pursuant to this Letter of Credit, and will be surrendered to the Surety with any draft which draws the full amount, or the balance remaining available, under the Letter of Credit.

PROVIDED, that in the event supervision over all the tracts to which this bond applies is relinquished by the Secretary of the Interior and the lessee/permittee/assignee/operator/contractor shall have made all payments then due under the agreement and shall have fully performed all obligations on their part to be performed up to the time of relinquishment of supervision, the liability of this bond shall be of no further force and effect.

First National Bank of Farmington
Charter Member FDIC

Coleman Oil & Gas, Inc.
Letter of Credit No. 564
June 30, 1997
Page 3

IN PRESENCE OF:

Corporate Principal:

Attest: ______________________

Coleman Oil & Gas, Inc.
P.O. Drawer 3337
Farmington, NM 87499-3337

By: ______________________
G. Chris Coleman

Title: Vice President

Attest: ______________________

Thompson Engineering & Production Corp.
204 North Auburn
Farmington, NM 87401

By: ______________________
Paul C. Thompson

Title: President

Issuing Agent:

Attest: ______________________

First National Bank of Farmington
P.O. Box 4540
Farmington, NM 87499-4540

By: ______________________
Dennis E. Peterson

Title: Executive Vice President

DEPARTMENT OF THE INTERIOR
Bureau of Indian Affairs

August 21, 1997

APPROVED: Pursuant to Secretarial
Redelegation Order 209 DM8,
Secretary's Order XXXXXXXXXX
amended, and 10 BIAM Bulletin XXXXXXXXXXXXXXXX
XXXXXXXXXX Nos. 3150 and
3177, and 10 BIAM Bulletin
13, as Amended.

____
Area Director
ACTING

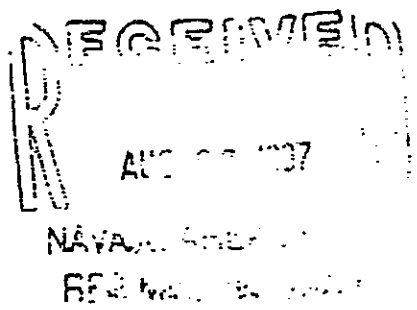
Sharing the Hometown Spirit
Post Office Box 4540 • Farmington, New Mexico 87499-4540 • (505)326-9000 • TDD(TYY) 326-9035

NOV. 06 '97 (THU) 16:05

First National Bank of Farmington

Charter Member FDIC

August 1, 1997



United States Department of the Interior
Bureau of Indian Affairs
PO Box 1060
Gallup, NM 87305-1060

Attention: Acting Area Director

Dear Sir:

On March 19, 1997, the Board of Directors of First National Bank of Farmington duly elected Dennis Peterson as Executive Vice President of First National Bank and thereby conveyed authority to Mr. Peterson to act on behalf of the Bank.

Mr. Peterson is indeed authorized to sign the Irrevocable Letter of Credit in question for Coleman Oil & Gas, Inc. on behalf of First National Bank of Farmington.

If you have further questions you may contact me at 505-324-9548.

Sincerely,

Ginger R. Dye
Executive Secretary to the Board of Directors

RECEIVED

AUG 7 1997

NAVAJO AREA OFFICE
BRANCH OF REAL ESTATE SERVICES

Sharing the Hometown Spirit

Clint W. Smith, P.C.

931 E. Southern Ave., #212
Mesa, Arizona 85204
(602) 892-9300
(602) 545-9252 (Fax)

November 4, 1997

Mr. Chris Coleman
Coleman Oil & Gas
P.O. Drawer 3337
Farmington, NM 87499

Re: Dry Mesa Corporation

Dear Chris:

It has come to our attention that your company has not yet posted the required bonds with the Arizona Oil and Gas Commission. Accordingly, we have not been able to recover our bond there. As you know, your cooperation is required, pursuant to the court's order, "to ensure that transfer documents are lodged with the appropriate governmental agencies," so that we may recover our cash bond.

Please take immediate action to obtain a bond with the State of Arizona so that we may recover our bond. If I have not heard from you within ten days, we will be forced to initiate litigation to enforce our rights. I will look forward to hearing from you.

Very truly yours,

Clint W. Smith

NOV 1997
ARIZONA GEOLOGICAL SURVEY

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual
THOMPSON ENGINEERING & PRODUCTION CORP.

Mailing Address and Phone Number
7415 E. Main Farmington, New Mexico 87402 505 327-4892

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

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

If a reorganiztion, give name and address of previous organization

If a foreign corporation, give (1) State where incorporated	(2) Name and mailing address of state agent	(3) Date of permit to do business in state

Principal Officers or Partners (if partnership) NAME	TITLE	MAILING ADDRESS
Paul C. Thompson	President	7415 E. Main Farmington, New Mexico 87402
Leslie W. Thompson	Vice President	7415 E. Main Farmington, New Mexico 87402

DIRECTORS NAME	MAILING ADDRESS

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the THOMPSON ENGR. & PROD. 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.

CANCELLED

DATE SEP 1997 ARIZONA GEOLOGICAL SURVEY

Paul C. Thompson
Signature

8/29/97
Date

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

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

2/96

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual
COLEMAN OIL & GAS, INC.

Mailing Address and Phone Number
P O DRAWER 3337, FARMINGTON, NM 87499 (505) 327-0356

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

Purpose of Organization (State type of business in which engaged)
OIL & GAS EXPLORATION & PRODUCTION

If a reorganiztion, give name and address of previous organization

If a foreign corporation give (1) State where incorporated	(2) Name and mailing address of state agent	(3) Date of permit to do business in state
NEW MEXICO	CT CORPORATION SYSTEM 3225 N CENTRAL AVE,PHOENIX,AZ 85012	SEPTEMBER 26, 1997

Principal Officers or Partners (if partnership) NAME	TITLE	MAILING ADDRESS
GEORGE E. COLEMAN	PRESIDENT/ SECRETARY	1800 McDONALD ROAD FARMINGTON, NM 87401
G. CHRIS COLEMAN	VICE-PRESIDENT/ TREASURER	1909 CHILTON CT FARMINGTON, NM 87401
JAMES C. ANDERSON	VICE-PRESIDENT	2585 S. ST PAUL DENVER, CO 80210

DIRECTORS NAME	MAILING ADDRESS
GEORGE E. COLEMAN	1800 McDONALD ROAD, FARMINGTON, NM 87401
G. CHRIS COLEMAN	1909 CHILTON CT, FARMINGTON, NM 87401
BARBARA M. COLEMAN	1800 McDONALD ROAD, FARMINGTON, NM 87401

CERTIFICATE I, the undersigned, under the penalty of perjury state that I am the VICE-PRESIDENT of the COLEMAN OIL & GAS, INC. (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.

CANCELLED

DATE

Signature

7-11-01
Date

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

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

2/96

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual
RIM SOUTHWEST CORPORATION (FORMERLY KNOWN AS HARKEN SOUTHWEST CORPORATION)

Mailing Address and Phone Number
5 INVERNESS DRIVE EAST, ENGLEWOOD, COLORADO 80112 (303) 799-9828

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

Purpose of Organization (State type of business in which engaged)
Oil & Gas Production/Sales

If a reorganization, give name and address of previous organization
N/A

If a foreign corporation give (1) State where incorporated	(2) Name and mailing address of state agent	(3) Date of permit to do business in state
New Mexico	CT Corporation 322 5 N. Central Avenue Phoenix, AZ 85012	1/16/88

Principal Officers or Partners (if partnership) NAME	TITLE	MAILING ADDRESS
V. A. Isaacs, Jr.	Chairman, Board of Directors	5 Inverness Drive East Englewood, CO 80112
Stephen W. Rector	President	5 Inverness Drive East Englewood, CO 80112
Rene' Morin	Vice President	5 Inverness Drive East Englewood, CO 80112
Robert L. Vesco	Vice President/Secretary/ Treasurer	5 Inverness Drive East Englewood, CO 80112
William J. Holcomb	Vice President	Post Office Box 2058 Farmington, NM 87499

DIRECTORS NAME	MAILING ADDRESS
V. A. Isaacs, Jr.	SAME AS ABOVE
Stephen W. Rector	" "
Rene' Morin	" "
Robert L. Vesco	" "
William J. Holcomb	" "

CERTIFICATE I, the undersigned, under the penalty of perjury state that I am the Secretary of the RIM Southwest Corporation (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.

Robert L. Vesco

Signature Robert L. Vesco, Secretary

1/25/01

Date

FEB 2001
ARIZONA GEOLOGICAL SURVEY

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

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

2/96

DRY MESA FIELD

Operator: RIM Southwest Corporation

Bond Company*: Indian lands, evidence of bond posted with BIA

RLI Insurance Co. $150,000 BIA Nationwide Bond No. RLB0003993

Date of Bond: 11/26/01

Date approved: _____

* Pursuant to Commission motion of October 31, 1997, no bond is required with State of Arizona upon evidence of bond posted with the BIA.

Permits covered by this bond posted with the BIA:

Dry Mesa Field	077
	106
	115
	852
	907 ✓
Black Rock Field	559
	581
	868
	871
	875
	882

RIM Southwest Corporation
5 Inverness Drive East
Englewood, Colorado 80112
(303) 799-9828 ext. # 303
(303) 799-4259 (fax)

December 3, 2001

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

Re: Dry Mesa

Navajo Tribal #138 #2	SW NW sec 12 T40N R28E
Navajo Tribal #138 #3	SW SE sec 2 T40N R28E
Navajo Tribal #138 #6	NE SW sec 2 T40N R28E
Navajo Tribal #138 #10	NW SE sec 12 T40N R28E
Navajo Tribal #138 #1 SWD	NE SW sec 11 T40N R28E

Apache CO., Arizona

Dear Mr. Rauzi:

Rim Southwest Corporation has assumed operations of the above wells from Coleman Oil & Gas effective November 1, 2001. The wells are covered by our Navajo Nation, Nation wide bond in the amount of $150,000. The bond number is RLB3993 and is with AON Underwriters Indemnity. If you have any more questions do not hesitate to call me.

Sincerely,

Ken Kundrik
Operations Engineer

BOND No. RLB0003993

orm 5-5430
990

UNITED STATES
BUREAU OF INDIAN AFFAIRS

COPY

COLLECTIVE BOND

KNOW ALL MEN BY THESE PRESENTS, That we, RIM Operating, Inc., RIM Offshore, Inc., and IM Southwest Corporation of _____, as principal ____, and RLI Insurance Company of 8 Greenway Plaza,#400,Houston,TX 77046, as surety, are held and firmly bound unto the United States of America in the sum of One Hundred Fifty Thousand Dollars, lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves and each of us, our and each of our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this 26th day of November XXX2001

The condition of this obligation is such that whereas the said principal____, as lessee/operator____, has heretofore or may hereafter enter into or otherwise acquire an interest in Oil and Gas lease(s)/permit(s)/mineral agreement(s) on the Navajo Nation Reservation in the State of Utah covering: BIA Lease #14-20-603-373; BIA Lease #14-20-5297; Lease Serial #NOO-C-14-20-3002; BIA Lease #14-20-603-4190

of various dates and periods of duration, covering lands or interests in lands held by the United States in trust for individual Indians, or bands or tribes of Indians, or subject to restrictions against alienation without the consent of the Secretary of the Interior, or his authorized representative, which leases, permits or mineral agreements have been or may hereafter be granted or approved by the Secretary of the Interior, or his authorized representative, and the identification of which herein is expressly waived by both principal____ and surety____ hereto.

WHEREAS the principal____ and surety____ agree that the coverage of this bond shall extend to and include all extensions and renewals of the leases, permits and mineral agreements covered by this bond, such coverage to continue without any interruptions due to the expiration of the terms set forth therein.

WHEREAS the surety____ hereby waive____ any right to notice of any modification of any such lease, permit or mineral agreement, or obligation thereunder whether effected by extension of time for performance, by commitment of such lease/permit/mineral agreement to unit, cooperative, or communitization agreement, by waiver, suspension, or change in rental, by minimum royalty payment, or otherwise, this bond to remain in full force and effect notwithstanding.

WHEREAS the principal____ and surety____ agree that the neglect or forbearance of any obligee under this bond in enforcing the payment of any rental or royalty or the performance of any other covenant, condition, or agreement of any such lease/permit/mineral agreement or Federal regulations shall not in any way release the principal____ and surety____, or either of them, from any liability under this bond; and

WHEREAS the principal____ and surety____ agree that in the event of any default under any such lease, permit or mineral agreement, the obligee may prosecute any claim, suit, action, or other proceeding against the principal____ and surety____, or either of them, without the necessity of joining the other.

Now, if the said principal___ herein shall faithfully carry out and observe all the obligations assumed in such lease(s), permit(s) or mineral agreement(s) to which * see below is now or may hereafter become a party, and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all rules and regulations that have been or shall hereafter be lawfully prescribed by the Secretary of the Interior relative to such lease(s), permit(s) and mineral agreement(s), and shall in all particulars comply with the provisions of such leases, permits, mineral agreements, rules, and regulations, then the obligation shall be null and void; otherwise, to remain in full force and effect. No bond liability shall be terminated without written approval of the Bureau of Indian Affairs.

The rate of premium charged on this bond is $_____; the total premium paid is $_____.

Signed and sealed in the presence of—

WITNESSES:*

BY: Ken Kundzik
5 INVERNESS DRIVE EAST
P.O. Englewood, CO- 80112

BY: Thomas M Murphy
5 INVERNESS DRIVE EAST
P.O. ENGLEWOOD, CO- 80112

BY: Nancy Cruz
8 Greenway Plaza, #400
P.O. Houston, TX 77046

BY: [signature]
8 Greenway Plaza, #400
P.O. Houston, TX 77046

* Two witnesses to all signatures.

*RIM Operating, Inc., RIM Offshore, Inc. and RIM Southwest Corporation

as to Robert L. Veach [SEAL]
Vice President,
RIM OPERATING, INC.
RIM OFFSHORE, INC.
RIM SOUTHWEST Corporation

RLI Insurance Company

as to Paul M. O'Sullivan [SEAL]
Paul M. O'Sullivan, Attorney-in-Fact

APPROVED: *Pursuant to Secretarial Redelegation Order 209 DM 8*, Secretary's Order No. 3150, as amended, and 10 BIAM Bulletin 13, as amended.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

_____, 19___

_____
Area Director

RLI

RLI Insurance Company | 9025 North Lindbergh Dr.
Peoria, IL 61615-1499 | Ph. (309) 692-1000

BOND NO. RLB0003993

POWER OF ATTORNEY

RLI Insurance Company

Know All Men by These Presents:

That the RLI INSURANCE COMPANY, a corporation organized and existing under the laws of the State of Illinois, and authorized and licensed to do business in all states and the District of Columbia does hereby make, constitute and appoint: PAUL M. O'SULLIVAN

in the City of HOUSTON, State of TEXAS, as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, all of the following classes of documents to-wit:

$150,000.00

Indemnity, Surety and Undertakings that may be desired by contract, or may be given in any action or proceeding in any court of law or equity; policies indemnifying employers against loss or damage caused by the misconduct of their employees; official, bail and surety and fidelity bonds. Indemnity in all cases where indemnity may be lawfully given; and with full power and authority to execute consents and waivers to modify or change or extend any bond or document executed for this Company, and to compromise and settle any and all claims or demands made or existing against said Company.

The RLI INSURANCE COMPANY further certifies that the following is a true and exact copy of a Resolution adopted by the Board of Directors of RLI Insurance Company, and now in force to-wit:

"All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or Agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

(Blue shaded areas above indicate authenticity)

IN WITNESS WHEREOF, the RLI Insurance Company has caused these presents to be executed by its PRESIDENT, CEO with its corporate seal affixed this

ATTEST:

Camille J. Hensey
Corporate Secretary

RLI INSURANCE COMPANY

By: Jonathan E. Michael
President, CEO

State of Illinois)
) SS
County of Peoria)

On this 26 day of Nov. 2001 before me, a Notary Public, personally appeared Jonathan E. Michael and Camille J. Hensey, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as President, CEO and Corporate Secretary, respectively, of the said RLI INSURANCE COMPANY, and acknowledged said instrument to be the voluntary act and deed of said corporation.

Cherie L Montgomery
Notary Public

"OFFICIAL SEAL"
CHERIE L. MONTGOMERY
COMMISSION EXPIRES 02/02/04

UICS 904 (01/01)

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Coleman Oil & Gas, Inc.

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

3. Well Name See below

Location See below

Sec. 1,2,11,12 Twp. 40N Rge. 28E County Apache, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 14-20-603-4190

5. Field or Pool Name Dry Mesa

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

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

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

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

WELLS:

✓ Navajo Tract 138 #10, NW SE Section 12-T40N-R28E
Navajo Tract 138 #1 SWD, NE NE Section 11-T40N-R28E
Navajo Tract 138 #02, SW NW Section 12-T40N-R28E
Navajo Tract 138 #03, SW SE Section 2-T40N-R28E
Navajo Tract 138 #06, NE SW Section 2-T40N-R28E

Effective August 1, 2001, Coleman Oil & Gas, Inc. sold all of it's interest in the above lease and all of the wells on the lease with equipment to:

RIM Southwest Corporation
5 Inverness Drive East
Englewood, Colorado 80112
Phone: (303) 799-9828

RIM Southwest Corporation will become operator of these wells effective November 1, 2001.

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

Signed Kenneth J. Kundrik Title Operations Engineer Date 11/7/01

Kenneth J. Kundrik

Permit No. 907

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

5/96

P.O. DRAWER 3337
FARMINGTON, NM 87499

OFFICE: 505-327-0356
FAX: 505-327-9425

COLEMAN OIL & GAS, INC.

Bryan Lewis
e-mail: cogblewis@yahoo.com

Wednesday, November 07, 2001

Mr. Steven L. Rauzi
Arizona Oil & Gas Conservation Commission
416 West Congress Suite 100
Tuscon, AZ 85701

RE: Dry Mesa Wells

Dear Mr. Rauzi:

Enclosed is one signed original Sundry Notice relating to the change of ownership and operator on the Dry Mesa wells in Apache County. Please call with any questions or additional requirements.

Sincerely,

Bryan Lewis
Landman

file 907

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Coleman Oil & Gas, Inc.

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

3. Well Name See below

Location See below

Sec. 1,2,11,12 Twp. 40 North Rge. 28 East County Apache, Arizona

4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 14-20-603-4190

5. Field or Pool Name _____

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

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

(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.

WELLS: Including

Navajo Tract 138 # 10
Navajo Tract 138 # 10 SWD
Navajo Tract 138 # 02
Navajo Tract 138 # 03
Navajo Tract 138 # 06

Effective 08/01/01 Coleman Oil & Gas, Inc. sold all of its interest in the aforementioned lease and all of the wells on the lease to:

RIM Southwest Corporation
5 Inverness Drive East
Englewood, CO 80112
Phone: (303) 799-9828 Fax: (303) 799-4259

RIM Southwest Corporation will become operator of these wells as of 11/01/01.

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

Signed _____ Title Vice President Date November 06, 2001

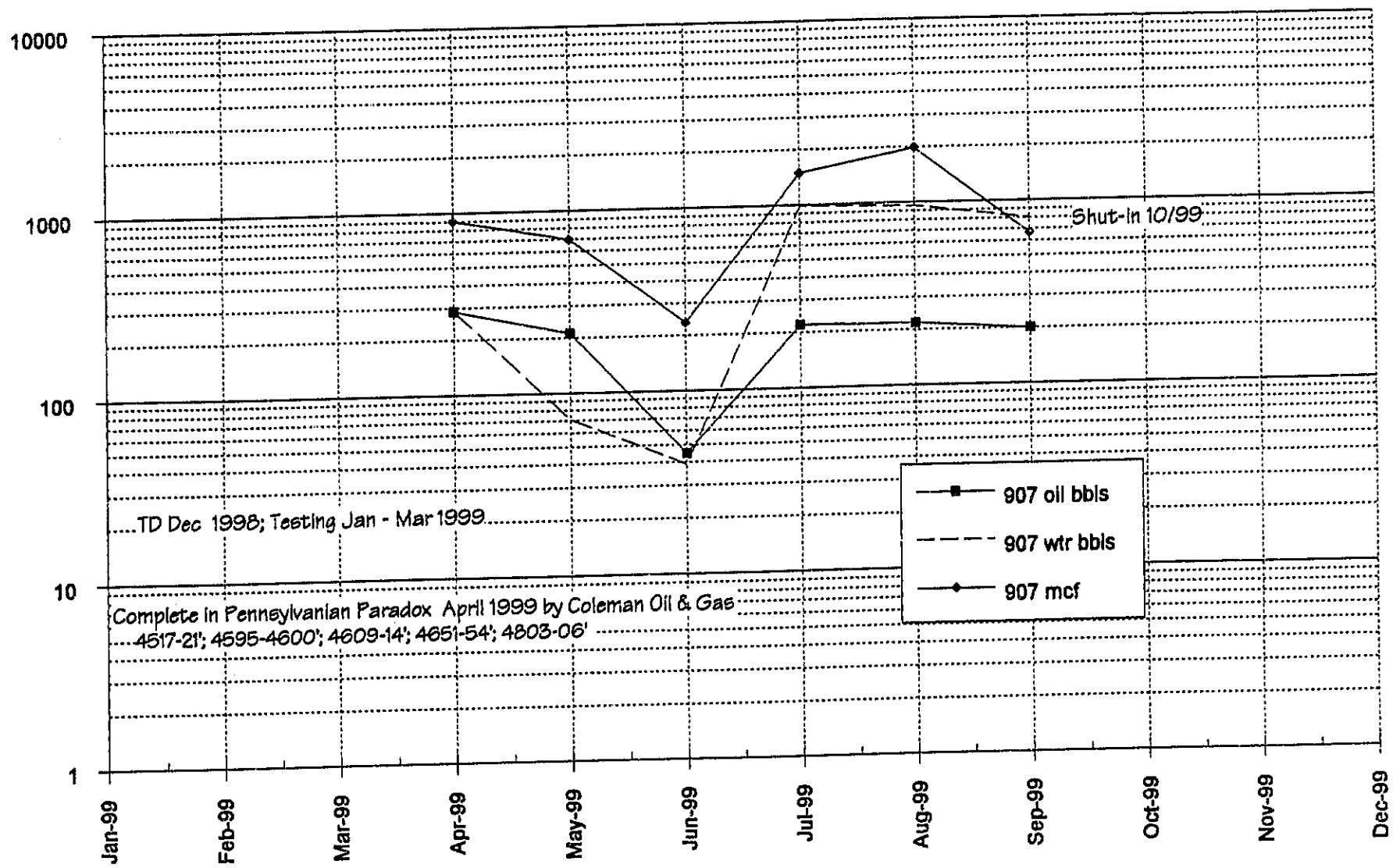
G. Chris Coleman

Permit No. 907

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

MONTHLY PRODUCTION AT 10 NAVAJO-138 (907), ARIZONA: APR 1999 - SEP 1999

nw se 12-40n-28e, Dry Mesa Field, Apache County



MONTHLY OIL, WATER, AND GAS PRODUCTION AT DRY MESA #10
DRY MESA FIELD, ARIZONA
(per SLR audit of monthly producer's reports 4/99 – 11/99)

DATE	Oil (bbls)	Wtr (bbls)	Mcf	Ytd oil	Ytd wtr	Ytd mcf	Cum oil	Cum wtr	Cum mcf
Jan-99									
Feb-99									
Mar-99									
Apr-99	288	289	901	288	289	901	288	289	901
May-99	212	71	695	500	360	1596	500	360	1596
Jun-99	45	39	236	545	399	1832	545	399	1832
Jul-99	220	985	1494	765	1384	3326	765	1384	3326
Aug-99	218	955	1985	983	2339	5311	983	2339	5311
Sep-99	200	805	666	1183	3144	5977	1183	3144	5977
Oct-99									
Nov-99									
Dec-99									

PAGE 2

DRILLING PROGRESS

INITIAL CLASS: WF=NEW FIELD WILDCAT; WD=DEEPER POOL WILDCAT; WS=SHALLOWER POOL WILDCAT; WP=NEW POOL WILDCAT; WO=WILDCAT OUTPOST; D=DEVELOPMENT, X=RE-ENTRY; R=RE-DRILL
LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED

P/N 907

ARIZONA / NEVADA

APACHE COUNTY

THOMPSON ENGINEERING & PRODUCTION CORP
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL SEC
IC 020017000497

DRY MESA; 5140 BARKER CREEK PERMIT: 907 (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS) TARGET OBJ: GAS; **OPER ADD:** 7415 EAST MAIN, FARMINGTON, NM 87402. (505)327-4892 **EL:** 5706 KB 5694 GR **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **VERTICAL; WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138.

DG
GAS

CONTR: BIG A WELL SERVICE, **RIG #** 46; **SPUD:12/17/1998 CSG:** 8 5/8 IN @ 526 W/420 SACK,4 1/2 IN @ 5170 W/1160 SACK; **LOG TOPS:** CHINLE 1334, DE CHELLY 2046, ORGAN ROCK 2440, HERMOSA 4156, ISMAY UPPER 4347, ISMAY LOWER 4407, DESERT CREEK 4484, AKAH 4635, BARKER CREEK 4784, PINKERTON TRAIL 4907, MOLAS 5067; **RIG REL:** 12/31/1998 **5170 TD,** (MOLAS) (TD REACHED:12/29/1998) **PRODUCING INTERVALS DATA: # 001** PERF (PARADOX /SH/) ; COND: 7 BPD GAS: 28 MCFD FTP 300 FCP 300; GOR: 4216WELL PRODUCED 288 BC, 901 MCFG, 116 BW/ 24 DAYS - APR 1999; 212 BC, 695 MCFG, 71 BW/ 31 DAYS - MAY 1999. **5170 DTD COMP:04/07/1999 # 001 IPF COND: 7 BPD GAS: 28 MCFD GOR 4216 64/64 FTP 300 FCP 300 PROD ZONE: PERF (PARADOX /SH/) INT NOT RPTD COMMINGLED.; HOLDING FOR DATA** ....(LDIR:03/16/2000)

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

DRILLING PROGRESS

INITIAL CLASS: WF=NEW FIELD WILDCAT; WD=DEEPER POOL WILDCAT; WS=SHALLOWER POOL WILDCAT; WP=NEW POOL WILDCAT; WO=WILDCAT OUTPOST; D=DEVELOPMENT. X=RE-ENTRY; R=RE-DRILL
LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED

ARIZONA / NEVADA

APACHE COUNTY

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

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

WILDCAT; 2400 FORT APACHE PERMIT: 899 (PMT APP'D 03/13/1997) (FR:03/17/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; **OPER ADD:** P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 **EL:** 7259 KB 7246 GR **LOCATION DATA:** 13 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 16 MI NE SPRINGERVILLE, AZ; **VERTICAL;** — **WF**

CONTR: AZTEC WELL SERVICING, **RIG #** 124; **SPUD:04/08/1997 CSG:** 8 5/8 IN @ 876 W/425 SACK,5 1/2 IN @ 2453 W/260 SACK; **DRLG COMMENTS:** LOST CIRC PROBLEMS WHILE DRLG, CO2 GTS @ TD.; **LOG TYPES:** GRNL, POR, CBND; **LOG TOPS:** FORT APACHE 2030; **2735 TD,** (FORT APACHE) (TD REACHED:04/17/1997) **PROD TEST(S): # 001** PERF (FORT APACHE) 2453-2728 W/ 1 PF; FRACTURING (2453-2728) 75000 LB SAND GAS: 1256 MCFD GAS CONT: CO2GAS CONTENT: 99.99% CO2, .005% HELIUM, .004% PROPANE). **# 002** PERF (FORT APACHE) 2453-2728 ; GAS: 931 MCFD GAS CONT: CO2GAS CONTENT: 99.996% CO2, .004% NITROGEN. **2735 DTD** ....BHP @ 2453 = 558 PSI IN 1 HR/ 614 PSI IN 24 HR/ 614 PSI IN 168.3 HR, SI (LDIR:02/28/2000)

P/N 907

THOMPSON ENGINEERING & PRODUCTION CORP
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL SEC
IC 020017000497

DRY MESA; 5140 BARKER CREEK PERMIT: 902 (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS) TARGET OBJ: GAS; **OPER ADD:** 7415 EAST MAIN, FARMINGTON, NM 87402, (505)327-4892 **EL:** 5706 KB 5694 GR **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. — **DG GAS**

CONTR: BIG A WELL SERVICE, **RIG #** 46; **SPUD:12/17/1998 CSG:** 8 5/8 IN @ 526 W/420 SACK,4 1/2 IN @ 5170 W/1160 SACK,; **LOG TOPS:** CHINLE 930, ORGAN ROCK 2440, HERMOSA 3764, ISMAY UPPER 4352, ISMAY LOWER 4408, AKAH 4635, MOLAS 5118; **RIG REL:** 12/31/1998 **5170 TD,** (MOLAS) (TD REACHED:12/29/1998) **PRODUCING INTERVALS DATA: # 001** PERF (PARADOX /SH/) ; GAS: UG IP NOT RPTD. WELL PRODUCED 288 BC, 901 MCFG, 116 BW/ 24 DAYS - APR 1999: SI MAY 1999. **5170 DTD COMP:04/07/1999 # 001 IPF GAS: UG PROD ZONE: PERF (PARADOX /SH/) INT NOT RPTD COMMINGLED.; HOLDING FOR DATA** ....(LDIR:02/28/2000)

COCONINO COUNTY

BERRY GUS
26-1 STATE
API 02-005-20033-0001

26-19N-13E
NE NW NE
467 FNL 3500 FWL SEC

WILDCAT; 3500 PRE CAMBRIAN (FR:12/16/1999 FARM KMS) LEASE TYPE:STATE; **OPER ADD:** 703 BLUFF ST, WICHITA FALLS, TX 76301, (817)767-2847 **EL:** 5262 KB 5250 GR **LOCATION DATA:** 18 MI W WINSLOW, AZ 96 MI SSW OF PINTA DOME FLD (COCONINO 20N-26E); **VERTICAL; OLD INFO :** 02-005-20033 FORMERLY TOWNSEND COMPANY 26-1 STATE PERMIT 886; EL: 5250 GR. SPUD:05/19/1995 CSG: 8 5/8 IN @ 500; LOG TOPS: PENNSYLVANIAN 2910 ; OTD: 2960 COMP:06/15/1995 DRY & ABANDONED — **WFD**

CONTR: KEY ENERGY SERVICES INC, **RIG #** 26; **SPUD:10/15/1999 CSG:** 4 1/2 IN @ 3900; **3900 TD,** (PRE CAMBRIAN) (TD REACHED:10/21/1999) **3900 DTD** ....WOCT (LDIR:03/01/2000)

MOHAVE COUNTY

PREMCO WESTERN
18-1 DUTCHMAN
API 02-015-20030

18-37N-9W
NW SE SE
1100 FSL 900 FEL SEC

WILDCAT; 6000 PRE CAMBRIAN PERMIT: 906 (PMT APP'D 04/02/1998) (FR:04/02/1998 FM KMS) LEASE TYPE:FEE; **OPER ADD:** BOX 496568, GARLAND, TX 75049-6568, **EL:** 4925 GR **LOCATION DATA:** 34 MI SE SAINT GEORGE, UT 44 MI SSW VIRGIN FLD, UT(MOENKOPI); — **WF**

CONTR: OWN DRILLING, **SPUD:04/15/1998 CSG:** 9 5/8 IN @ 378; **DRLG COMMENTS:** CABLETOOL RIG HAVING DIFFICULTY DRLG THRU THE, KAIBAB@ SURFACE. HAS JUNKED TWO HOLES ON SAME. PAD. DRLG BEING DONE UNDER CASUAL CIRCUMSTANCES.; ....@ 510, SI (LDIR:02/29/2000)

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

DRILLING PROGRESS

INITIAL CLASS: WF=NEW FIELD WILDCAT; WD=DEEPER POOL WILDCAT; WS=SHALLOWER POOL WILDCAT; WP=NEW POOL WILDCAT; WO=WILDCAT OUTPOST; D=DEVELOPMENT. X=RE-ENTRY; R=RE-DRILL
LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED

ARIZONA / NEVADA

APACHE COUNTY

THOMPSON ENGINEERING & PRODUCTION CORP
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL SEC
IC 020017000497

DRY MESA; 5140 BARKER CREEK PERMIT: 907 (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS) TARGET OBJ: GAS; **OPER ADD:** 7415 EAST MAIN, FARMINGTON, NM 87402, (505)327-4892 **EL:** 5706 KB 5694 GR **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. **DG GAS**

CONTR: BIG A WELL SERVICE, **RIG #** 46; **SPUD:12/17/1998 CSG:** 8 5/8 IN @ 526 W/420 SACK,4 1/2 IN @ 5170 W/1160 SACK,; **RIG REL:** 12/31/1998 **5170 TD,** (BARKER CREEK) (TD REACHED:12/29/1998) **PROD TEST(S): # 001** PERF (BARKER CREEK) ; **PRODUCING INTERVALS DATA: # 001** PERF (BARKER CREEK) : GAS: UG IP NOT RPTD. WELL PRODUCED 288 BC, 901 MCFG, 116 BW/ 24 DAYS - APR 1999; SI MAY 1999. **5170 DTD**
COMP:04/07/1999 # 001 IPF GAS: UG PROD ZONE: PERF (BARKER CREEK) INT NOT RPTD ; HOLDING FOR DATA ....(LDIR:02/15/2000)

LINCOLN COUNTY

SMITH CONLEY P OPERATING COMPANY
33-16 TROUGH SPRINGS FEDERAL
API 27-017-05230

33-7N-63E
NW SE SE
1000 FSL 750 FEL SEC

WILDCAT; 4100 PERMIT: 827 (PMT APP'D 01/07/2000) (FR:01/26/2000 CAS WBR) LEASE TYPE:FEDERAL TARGET OBJ: OIL; **OPER ADD:** 1125 17TH ST, DENVER, CO 80202, (303)296-1434 **EL:** 5978 GR **LOCATION DATA:** 5 MI E SUNNYSIDE, NV 40 MI E GRANT CANYON FLD (DEVONIAN/GUILMETTE/SIMONSON); **VERTICAL;** **WF**

CONTR: CAZA DRILLING, **RIG #** 63; **SPUD:01/19/2000 DST #** 001 4308-4368 NO, RECOVERED 200' MUD, 500' WATER **4850 TD,** (TD REACHED:02/10/2000) **4850 DTD** ....SI (LDIR:02/17/2000)

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PIONEER
*Ocean Energy Resources,Inc. "Pioneer Unit" 1702-14CC
14-17N-2W SM,Fr SW cor 820'N 500'E(Straight hole)
50-009-20016 Map:AL-6 (NFW)
???? Drilled, details to follow. Released rig aprx.9/14/99.

**Ocean Energy Resources,Inc. "Pioneer Unit" 1702-15DA
15-17N-2W SM,Fr SE cor 527'W 1354'N(Straight hole)
9-5/8c.675 7c.4235 50-009-20015 Directional
4235 Cmtd 9-5/8" csg at 675'. Drilled to TD. Ran 7" csg at 4235'. Released rig aprx.9/6/99.
Perforating. Map:AL-6 (WTR DISPOSAL)

*Ocean Energy Resources,Inc. "Pioneer Unit" 1702-15DD
15-17N-2W SM,Fr SE cor 171'N 793'W(Straight hole)
50-009-20017 Map:AL-6 (CONFIRMATION)
Issued permit #99-066 on 8/5/99.

*Ocean Energy Resources, Inc. "Pioneer Unit" BLT-01
22-17N-3W SM,Fr NW cor 793'S 1333'E(Straight hole)
9-5/8c.4507 50-009-20006-90 Map:AL-6 (NFW)
(Originally ARCO and Amoco each held a 50% interest.) (Rowan Drlg) S-1/4/92 Rig rel-3/24/92
6200 Moved in for re-entry.

SWANSON RIVER
Union Oil Co. of CA "Soldotna Creek Unit" 22-04
4-7N-9W SM,Fr SW cor 2015'N 2070'E(Surface)
4-7N-9W SM,Fr NW cor 2155'S 2446'E(est.BHL-RD)
11-3/4c.1417 7W.10270 50-133-10106-01 Directional
(Reading & Bates) S-4/12/61 Comp-6/1/61 Map:AL-6
Rsm-09/11/99(Inlet Drlg #1)
10950 Redrilled. Deepening from 10775'.

COLVILLE RIVER UMIAT MERIDIAN
ARCO Alaska Inc. "Colville River Unit" CD1-26
5-11N-5E UM,Fr NW cor 401'S 2398'E(Surface)
9-11N-5E UM,Fr NW cor 1510'S 1738'E(est.BHL)
16c.114 9-5/8c.2674 50-103-20305 Directional
S-09/17/99(Doyon Drlg #19) Map:AL-2
7900 Cmtd 9-5/8" csg at 2674'. Drilling ahead.

ARCO Alaska Inc. "Colville River Unit" CD1-39
5-11N-5E UM,Fr NW cor 495'S 2307'E(Surface)
8-11N-5E UM,Fr SW cor 1392'N 1482'E(est.BHL)
16c.114 9-5/8c.2588 7c.10289 50-103-20304
S-08/26/99(Doyon Drlg #19) Directional Map:AL-2
13298 Drilled to TD. Released rig 9/17/99.

KUPARUK RIVER
ARCO Alaska Inc. "Kuparuk River Unit" 1D-12
14-11N-10E UM,Fr SE cor 224'N 594'W(Surface)
13-11N-10E UM,Fr SE cor 496'N 53'W(est.BHL)
16c.115 9-5/8c.5651 3-1/2c.9231 50-029-22948
S-09/06/99(Pool Arctic #6) Directional Map:AL-4
9250 Drilled to TD. Ran 3-1/2" csg to 9231'. Released rig 9/20/99.

ARCO Alaska Inc. "Kuparuk River Unit" 1D-14
14-11N-10E UM,Fr SE cor 209'N 595'W(Surface)
14-11N-10E UM,Fr NW cor 971'S 2493'E(est.BHL)
16c.115 50-029-22950 S-09/21/99(Pool Arctic #6)
Directional Map:AL-4
1302 Issued permit #99-089 on 9/16/99. Drilling ahead.

PRUDHOE BAY
ARCO Alaska Inc. "Prudhoe Bay Unit" 11-25A Map:AL-4
28-11N-15E UM,Fr NE cor 4708'S 250'W(Surface)
29-11N-15E UM,Fr NE cor 115'S 1719'W(BHL)
29-11N-15E UM,Fr NE cor 1094'S 1111'W(BHL-RD)
29-11N-15E UM,Fr NE cor 565'S 1067'W(est.BHL-RD2)
20c.91 13-3/8c.3034 9-5/8W.???? ?c.????
50-029-20488-02 Rsm-09/03/99(Nabors Drlg #3S)
(Parker Drlg #141) Rsm-2/5/87 Rig rel-3/1/87
(Parker Drlg #97) S-7/31/80 Rig rel-10/10/80
Directional
12740 RD???? Redrilled, no details. Released rig 9/18/99.

ARCO Alaska Inc. "Prudhoe Bay Unit" 15-25A Map:AL-4
22-11N-14E UM,Fr NE cor 1820'S 3863'W(Surface)
22-11N-14E UM,Fr NE cor 1441'S 1154'W(BHL)
22-11N-14E UM,Fr NE cor 3836'S 977'W(est.BHL-RD)
20c.110 10-3/4c.2521 7-5/8c.8935 5-1/2c.9758
50-029-21842-01 Rsm-09/18/99(Nabors Drlg #3S)
(Nabors Drlg #28E) S-7/18/88 Rig rel-8/2/88
Directional
9760 TVD8934 Issued permit #99-086 on 9/14/99. Resumed 9/18/99 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" U-15B
19-11N-13E UM,Fr SE cor 5173'N 1809'W(Surface)
20-11N-13E UM,Fr SE cor 4326'N 3290'W(est.BHL)
18-11N-13E UM,Fr SE cor 1351'N 326'W(est.BHL-RD)
17-11N-13E UM,Fr SE cor 1328'N 5272'W(est.BHL-RD2)
10-3/4c.3036 7-5/8c.9086 5-1/2c.8889-10138
50-029-22565-02 Directional Map:AL-4
(Nabors Drlg #18E) S-7pm,6/12/95 Rig rel-8/4/95
10405 RD10138 Issued permit #99-087 on 9/14/99 for redrill #2.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" W-26A
21-11N-12E UM,Fr NE cor 945'S 1446'W(Surface)
17-11N-12E UM,Fr NE cor 506'S 249'W(BHL)
17-11N-12E UM,Fr SE cor 4672'N 579'W(est.BHL-RD)
20c.120 13-3/8c.3021 9-5/8W.???? 50-029-21964-01
(Alaska United #3) S-1am,7/30/89 Rig rel-8/25/89
Rsm-09/09/99(Nabors Drlg #9ES) Directional
12030 Pg11952 Resumed 9/9/99 for redrill #1.
Map:AL-4

OTHER WESTERN STATES STATE OF ARIZONA

BLACK ROCK APACHE COUNTY
Coleman Oil & Gas, Inc. "Dry Mesa" 10 02-001-20318
12-40N-28E,Fr SE cor 1980'N 1980'W elev:5694'GR
4-1/2c.5170 S-12/17/98(Key Drlg #46) 5140'-est.td
(Lease #14-20-603-4190) Directional Map:AZ
5170 On commercial production since April,1999. Produced 220 bbls oil, 985 bbls water, 1324 MCF gas over 17 days in July,1999. Status:OIL

DIAMOND BUTTE MOHAVE COUNTY
*Premco Western, Inc. "Dutchman" 18-1 02-015-20030
18-37N-9W,Fr SE cor 1100'N 900'W elev:4925'GR
9-5/8c.375 (Federal Lease #AZA-26138) Map:AZ
6000'-est.td (NFW)
470+ Drilling in Toroweap formation.

STATE OF NEVADA

RYNDON ELKO COUNTY
*Foreland Corp. "North Humboldt Federal" 1-2 Map:NV
2-36N-56E,Fr NE cor 450'S 450'W 27-007-05256
(Federal Lease N-56774) elev:5562'GR (NFW)
6500'-est.td
Issued permit #824 on 9/21/98.

TOMERA RANCH
*V.F. Neuhaus Properties "Ferdelford Canyon" 34-1
34-31N-52E,Fr NE cor 1100'S 4550'W 27-007-05251
(J.R. Bacon Drlg #5) S-8/28/93 Rig rel-9/10/93
(Federal Lease N-46547) elev:5461'GR Map:NV
???? Plan to drill. Conf. (NPW)

BLACKBURN-EAST EUREKA COUNTY
*Cleary Exploration LLC "Bruffey Federal" 1-14 (NFW)
14-27N-52E,Fr NE cor 330'S 990'W Map:NV
Filed application for federal permit to drill.

NEWARK CANYON
*Foreland Corp. "Pine Valley Federal" 42-16 Map:NV
16-29N-52E,Fr NE cor 1825'S 1200'W elev:5217'GR
(Federal Lease #NVN-61504) Conf. (NFW)
Applied for permit to drill 9/2/99. Hope to start around 10/5/99.

PINE VALLEY
*Foreland Corp. "Hot Creek" 2-7 27-011-05294 Map:NV
7-28N-52E,Fr SE cor 350'W 970'N elev:5224'GR
7000'-est.td (NFW)
Issued permit #825 on 9/25/98.

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

THOMPSON ENGR & PROD
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL
IC 20017000497

DRY MESA; PERMIT #907; 5140 BARKER CREEK, (FR 11/05/97FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; **EL:** 5706 KB; **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **PERMIT REISSUED:** 06/30/98 **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. — **DG GAS**

● ■ **CONTR:** BIG A WELL SRVC, **RIG #** 46 **RIG SUB:**12; **SPUD:** 12/17/98 **CSG:** 4 1/2 @ 5170; **5170 TD,** (BARKER CREEK) (TD REACHED: 12/ 29/98); **PROD TEST(S): PERF** (BARKER CREEK), **PRODUCING INTERVAL(S) DATA: PERF** (BARKER CREEK) WELL PRODUCED 288 BC, 901 MCFG, 116 BW/ 24 DAYS - APR 1999; SI MAY 1999. IP NOT RPTD. **5140 TD. COMP 4/7/99, GAS WELL. PROD ZONE - BARKER CREEK(INT NOT RPTD). HOLDING FOR DATA. . .** (LDIR 06/30/99)

COLORADO

ADAMS COUNTY

HS RESOURCES
15-8 HSR-SAUTER
API 05-001-09393

8-1S-63W
SE SW SE
600 FSL 1499 FEL
IC 50017000199

BASE LINE; PERMIT #99-0350; 7700 J SAND, (FR 05/24/99DN) **OPER ADD:** 3939 CARSON AVE, EVANS, CO, 80620 PHONE (970) 330-0614; **EL:** 5042 GR; **LOCATION DATA:** 14 1/2 MI N BENNETT, CO 1/4 MI SSW OF FLD(D SAND/J SAND)TA; — **WO D&A**

● ■ **CONTR:** ASHBY DRLG, **RIG #** 1;**SPUD:** 06/24/99 (EST), **CSG:** RAN SURF CSG; **7621 TD,** (J SAND) (TD REACHED: 06/ 29/99); **7621 TD. COMP 6/30/99, D&A. HOLDING FOR DATA . .** (LDIR 06/30/99)

GARFIELD COUNTY

BARRETT RESOURCES
RMV 217-21 CLOUGH
API 05-045-07350

21-6S-94W
NE NW SW
2450 FSL 1150 FWL

RULISON; PERMIT #99-0001; 7400 WILLIAMS FORK, (FR 01/07/99FM) **OPER ADD:** 1515 ARAPAHOE ST, TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5362 KB; **LOCATION DATA:** 6 1/4 MI WSW RIFLE, CO; — **DG GAS**

● ■ **CONTR:** NABORS DRLG USA, **RIG #** 414 **RIG SUB:**15; **SPUD:** 02/10/99 **CSG:** 9 5/8 @ 1050 W/535 SX, 5 1/2 @ 7496 W/985 SX; **TBG:** 2 3/8 @ 6983; **LOG TYPES:** DENL, DI, DSN, SPCT; CBND 3600-7400, CCL 3600-7400, GR 3600-7400; **LOG TOPS:** MESAVERDE 4117, CAMEO 6883; **DRLG COMMENTS:** LOCAL CALL(LOG): G SAND 1650. **7501 TD,** (WILLIAMS FORK) (TD REACHED: 03/ 05/99); **PRODUCING INTERVAL(S) DATA: PERF** (WILLIAMS FORK), 5370-5459, 5540-5931, 6057-6356, 6608-6867, 7108-7390, W/65 SHOTS, SWFR (5370-5459) W/ 1867 BBLS, 303500 LBS SAND, GEL WTR 20/40 SD ACID (5370-5459) W/ 500 GALS, 7 1/2% HCL ACID (5540-5931) W/ 1250 GALS, 7 1/2% HCL SWFR (5540-5931) W/ 4379 BBLS, 601000 LBS SAND, GEL WTR 20/40 SD ACID (6057-6356) W/ 1000 GALS, 7 1/2% HCL SWFR (6057-6356) W/ 2808 BBLS, 452000 LBS SAND, GEL WTR 20/40 SD ACID (6608-6867) W/ 1000 GALS, 7 1/2% HCL SWFR (6608-6867) W/ 3637 BBLS, 601000 LBS SAND, GEL WTR 20/40 SD ACID (7108-7390) W/ 2000 GALS, 7 1/2% HCL SWFR (7108-7390) W/ 1609 BBLS, 202000 LBS SAND, GEL WTR 20/40 SD. **7501 DTD, 7408 LTD COMP 4/26/99, IPF 6 BCPD, 1671 MCFGPD, 12 BWPD, FTP 1691, SICP 1823, GOR 278500 PROD ZONE - WILLIAMS FORK 5370-7390(GROSS) NO CORES OR DSTS**

BARRETT RESOURCES
RMV 94-21 CLOUGH
API 05-045-07325

21-6S-94W
SW SW SW
489 FSL 593 FWL

RULISON; PERMIT #98-765; 7250 WILLIAMS FORK, (FR 08/24/98FM) **OPER ADD:** 1515 ARAPAHOE ST, TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5274 KB; **LOCATION DATA:** 6 1/2 MI WSW RIFLE, CO; — **D D&A**

● ■ **CONTR:** NABORS DRLG USA, **RIG #** 457;**SPUD:** 12/01/98, **CSG:** 10 3/4 @ 1120 W/450 SX, 7 7/8 @ 7916 W/1340 SX; **LOG TYPES:** BHCS 1120-7908, DI 1120-7912, DSN 1120-7912, SDL 1120-7912; **8450 TD,** (CORCORAN) (TD REACHED: 12/ 30/98) **BHT:** 180F; **8450 TD COMP 1/10/99, D&A NO CORES OR DSTS**

BARRETT RESOURCES
RMV 223-22 CLOUGH
API 05-045-07361

22-6S-94W
SE SE SW
204 FSL 2210 FWL

RULISON; PERMIT #99-0033; 7150 WILLIAMS FORK, (FR 01/25/99FM) **OPER ADD:** 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5230 KB; **LOCATION DATA:** 5 MI SW RIFLE, CO; — **DG GAS**

● ■ **CONTR:** NABORS DRLG USA, **RIG #** 414 **RIG SUB:**15; **SPUD:** 03/08/99 **CSG:** 9 5/8 @ 1088 W/550 SX, 5 1/2 @ 7169 W/1190 SX; **TBG:** 2 3/8 @ 6922; **LOG TYPES:** CBL, DI, DSN, SDL; **LOG TOPS:** MESAVERDE 3855, CAMEO 6624; **DRLG COMMENTS:** LOCAL CALL(LOG): G SAND 1420 **7175 TD,** (MESAVERDE) (TD REACHED: 03/ 29/99); **PRODUCING INTERVAL(S) DATA: PERF** (WILLIAMS FORK), 5275-5548, 5730-6148, 6384-6594, 6756-7064, W/54 SHOTS, **7175 TD COMP 5/16/99, IPF 2 BCPD, 1499 MCFGPD, 10 BWPD, FTP 2222, SICP 2313, GOR 749500 PROD ZONE - WILLIAMS FORK 5275-7064(GROSS) NO CORES OR DSTS**

MESA HYDROCARBONS INC
8-14 COUEY
API 05-045-07357

8-7S-92W
NW SE SW
750 FSL 1822 FWL

MAM CREEK; PERMIT #99-0026; 6190 WILLIAMS FORK, (FR 01/19/99DN) **OPER ADD:** 621 17TH ST STE 1050, DENVER, CO, 80293 PHONE (303) 293-3178; **EL:** 6072 KB; **LOCATION DATA:** 6 1/2 MI SSW SILT, CO; **WELL ID CHANGES:** FTG CHGD FROM 600 FSL 1822 FWL SPOT CHGD FROM SW SE SW — **DG GAS**

● ■ **CONTR:** CAZA DRLG, **RIG #** 16;**SPUD:** 03/20/99, **CSG:** 8 5/8 @ 1445 W/650 SX, 4 1/2 @ 3835 W/1190 SX; **LOG TYPES:** DENL, DI, NEUT; **DRLG COMMENTS:** LOCAL CALL(LOG): COAL RIDGE 5695. **5835 TD,** (WILLIAMS FORK) (TD REACHED: 04/ 01/99) **5804 PBTD ; PRODUCING INTERVAL(S) DATA: PERF** (WILLIAMS FORK) 5182-5570 W/21 SHOTS SWFR (5182-5570) W/ 1906 BBLS, 237063 LBS SAND, DELTA GEL, IP 16 BC, 1483 MCFGPD, 31 BLWPD **5835 TD, PB 5804 COMP 4/17/99, IPF 16 BCPD, 1483 MCFGPD, 31 BLWPD, FCP 1650, GOR 92500 PROD ZONE - WILLIAMS FORK 5182-5570 NO CORES OR DSTS**

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

THOMPSON ENGR & PROD
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL
IC 20017000497

DRY MESA; PERMIT #907; 5140 BARKER CREEK, (FR 11/05/97FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; **EL:** 5706 KB; **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **PERMIT REISSUED:** 06/30/98 **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. — **D**

■ **CONTR:** BIG A WELL SRVC, **RIG #46 RIG SUB:12; SPUD:** 12/17/98 **CSG:** 4 1/2 @ 5170; **5170 TD,** (TD REACHED: 12/ 29/98); **PROD TEST(S): PERF** (BARKER CREEK), . . . 5170 TD, SI-EVALUATING (LDIR 06/29/99)

COLORADO

GARFIELD COUNTY

BALLARD PET
33-5 BENNETT
API 05-045-07254

33-6S-92W
SE SW NW
2280 FNL 703 FWL

MAM CREEK; PERMIT #99-0338; 5900 WILLIAMS FORK, (FR 05/17/99DN) **OPER ADD:** 845 12TH ST W, BILLINGS, MT, 59102 PHONE (406) 259-8790; **EL:** 5743 GR; **LOCATION DATA:** 4 1/2 MI S SILT, CO; — **D**

■ **CONTR:** SST ENERGY, **RIG #3;SPUD:** 06/21/99, . . . DRLG 5280 (LDIR 06/29/99)

BALLARD PET
13-15 COUEY
API 05-045-07377

13-7S-93W
NW NW SE
2052 FSL 1999 FEL
IC 50457001499

MAM CREEK; PERMIT #99-0340; 7550 WILLIAMS FORK, (FR 05/17/99DN) **OPER ADD:** 845 12TH ST W, BILLINGS, MT, 59102 PHONE (406) 259-8790; **EL:** 6279 GR; **LOCATION DATA:** 7 MI SSE RIFLE, CO; **TO BE DIRECTIONALLY DRILLED. PBHL:** 1392 FT S 0 DEG 46 MIN 48 SEC E; 1392 S 19 E; 660 FSL 1980 FEL C SW SE 13-7S-93W; — **D**

■ **CONTR:** WOLVERINE DRLG, **RIG #22;SPUD:** 06/21/99, . . . @ 3404, WOC (LDIR 06/29/99)

LA PLATA COUNTY

HUBER J M CORP
1-33 HUBER-JOHNSON
API 05-067-07798-0100

33-35N-8W
SW SE NW
2420 FNL 1650 FWL

IGNACIO-BLANCO; PERMIT #99-0362; 2500 FRUITLAND COAL, (FR 06/03/99DN) **OPER ADD:** 33587 US HWY 160E, DURANGO, CO, 81301 PHONE (970) 247-7708; **EL:** 7022 KB; **LOCATION DATA:** 7 MI ESE DURANGO, CO; **TO BE DIRECTIONALLY DRILLED. PBHL:** 300 FT N 0 DEG 0 MIN 0 SEC E; 300 N E; 2120 FNL 1650 FWL SW SE NW 33-35N-8W; OWRD: OLD INFO: FORMERLY HUBER J M CORP 1-33 HUBER-JOHNSON. SPUD 4/8/91. 8 5/8 @ 432 W/300 SX, 5 1/2 @ 2103 W/355 SX. LOG TOPS: FRUITLAND 1714, PICTURED CLIFFS 1909. OTD 2110. COMP 1/22/91. GAS WELL. PROD ZONE: FRUITLAND 1714- 1902(GROSS); — **D R**

■ **CONTR:** KEY ENERGY SRVCS, **RIG #44;SPUD:** 06/21/99 (EST), SET WHIPSTOCK @ 1336 . . . DRLG 1336 (LDIR 06/29/99)

LAS ANIMAS COUNTY

EVERGREEN OPERATING
32-15 JILL
API 05-071-06732

15-32S-65W
NE SW NE
1727 FNL 1843 FEL

SPANISH PEAK; PERMIT #990081; 1650 VERMEJO, (FR 02/23/99DN) **OPER ADD:** 1401 17TH ST STE 1200, DENVER, CO, 80202 PHONE (303) 298-8100; **EL:** 7375 GR; **LOCATION DATA:** 5 1/2 MI S DELAGUA, CO 2 MI NE OF FLD(VERMEJO/RATON); — **WO**

■ **CONTR:** PENSE BROS DRLG, **RIG #22;SPUD:** 06/24/99, **CSG:** RAN PROD CSG; (TD REACHED: 06/ 25/99); . . . 1650 TD(APPROX), WOCT (LDIR 06/29/99)

EVERGREEN OPERATING
23-27 IVANHOE
API 05-071-06722

27-32S-65W
SW NE SW
1565 FSL 1610 FWL

SPANISH PEAK; PERMIT #98-1068; 1375 VERMEJO, (FR 11/30/98DN) **OPER ADD:** 1401 17TH ST STE 1200, DENVER, CO, 80202 PHONE (303) 298-8100; **EL:** 7035 GR; **LOCATION DATA:** 6 MI NNW COKEDALE, CO; — **D**

■ **CONTR:** PENSE BROS DRL, **RIG #22;SPUD:** 06/25/99 (EST), **CSG:** RAN PROD CSG; (TD REACHED: 06/ 26/99); . . . 1375 TD(APPROX), WOCT (LDIR 06/29/99)

EVERGREEN OPERATING
34-36 TECHNIC
API 05-071-06792

36-32S-66W
SE SW SE
583 FSL 1649 FEL
IC 50717003199

RATON; PERMIT #99-0296; 1800 VERMEJO, (FR 03/29/99DN) **OPER ADD:** 1401 17TH ST STE 1200, DENVER, CO, 80202 PHONE (303) 298-8100; **EL:** 7070 GR; **LOCATION DATA:** 6 MI N SEGUNDO, CO; — **D**

■ **CONTR:** PENSE BROS DRL, **RIG #22;SPUD:** 06/29/99, . . . DRLG, DEPTH NOT RPTD (LDIR 06/29/99)

EVERGREEN OPERATING
32-36 THUNDERBIRD
API 05-071-06791

36-32S-66W
NW SW NE
1760 FNL 1990 FEL
IC 50717003499

RATON; PERMIT #99-0295; 1925 VERMEJO, (FR 03/29/99DN) **OPER ADD:** 1401 17TH ST STE 1200, DENVER, CO, 80202 PHONE (303) 298-8100; **EL:** 7165 GR; **LOCATION DATA:** 6 1/2 MI N SEGUNDO, CO; — **D**

■ **CONTR:** PENSE BROS DRL, **RIG #22;SPUD:** 06/28/99, **CSG:** RAN PROD CSG; (TD REACHED: 06/ 29/99); . . . 1925 TD(APPROX), WOCT (LDIR 06/29/99)

EVERGREEN OPERATING
41-3 RHINO
API 05-071-06761

3-33S-65W
NW NE NE
267 FNL 703 FEL
IC 50717000499

SPANISH PEAK; PERMIT #99-0139; 1450 VERMEJO, (FR 03/02/99DN) **OPER ADD:** 1512 LARIMER ST STE 1000, DENVER, CO, 80202 PHONE (303) 298-8100; **EL:** 7080 GR; **LOCATION DATA:** 4 1/2 MI NNW COKEDALE, CO; — **D**

■ **CONTR:** PENSE BROS DRL, **RIG #22;SPUD:** 06/26/99, **CSG:** RAN PROD CSG; (TD REACHED: 06/ 27/99); . . . 1450 TD(APPROX), WOCT (LDIR 06/29/99)

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

THOMPSON ENGR & PROD
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL
IC 20017000497

DRY MESA; PERMIT #907; 5140 BARKER CREEK, (FR 11/05/97FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; **EL:** 5706 KB; **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **PERMIT REISSUED:** 06/30/98 **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. **D**

■ **CONTR:** BIG A WELL SRVC, **RIG** #46 **RIG SUB:**12; **SPUD:** 12/17/98 **CSG:** 4 1/2 @ 5170; **5170 TD,** (TD REACHED: 12/ 29/98); **PROD TEST(S):** PERF (BARKER CREEK), . . . 5170 TD, TSTG (LDIR 04/20/99)

COLORADO

CHEYENNE COUNTY

MULL DRLG
1-23 UPR-GARRETT
API 05-017-07612

23-13S-47W
NW NE SW
2200 FSL 1500 FWL
IC 50177000599

WILDCAT; PERMIT #99-0187; 5625 MISSISSIPPIAN, (FR 03/29/98DN) **OPER ADD:** BOX 2758, WICHITA, KS, 67201 PHONE (316) 264-6366; **EL:** 4367 GR; **LOCATION DATA:** 1 1/2 MI SE EUREKA CREEK FLD DISC(MARMATON) 1 1/2 MI NE MOUNT PEARL FLD(MORROW/MARMATON/KEYES) 12 1/2 MI NE KIT CARSON, CO; **WF**

■ **CONTR:** CHEYENNE DRLG, **RIG** #5;**SPUD:** 04/08/99, **5625 TD,** (TD REACHED: 04/ 17/99); . . . 5625 TD, SI (LDIR 04/20/99)

GARFIELD COUNTY

MESA HYDROCARBONS INC
17-11 COUEY
API 05-045-07364

17-7S-92W
SW NE SW
1647 FSL 1933 FWL
IC 50457000399

MAM CREEK; PERMIT #99-0142; 6100 WILLIAMS FORK, (FR 03/08/99DN) **OPER ADD:** 621 17TH ST STE 1050, DENVER, CO, 80293 PHONE (303) 293-3178; **EL:** 6180 GR; **LOCATION DATA:** 7 1/4 MI SSW SILT, CO; **D**

■ **CONTR:** CAZA DRLG, **RIG** #16;**SPUD:** 04/16/99 (EST), . . . DRLG 1841 (LDIR 04/20/99)

MESA HYDROCARBONS INC
17-6 COUEY
API 05-045-07365

17-7S-92W
SW SE NW
1991 FNL 1482 FWL
IC 50457000499

MAM CREEK; PERMIT #99-0143; 6170 WILLIAMS FORK, (FR 03/08/99DN) **OPER ADD:** 621 17TH ST STE 1050, DENVER, CO, 80293 PHONE (303) 293-3178; **EL:** 6120 GR; **LOCATION DATA:** 7 MI SSW SILT, CO; **D**

■ **CONTR:** CAZA DRLG, **RIG** #16;**SPUD:** 04/01/99, **6170 TD,** (TD REACHED: 04/ 14/99); . . . 6170 TD(APPROX), SI (LDIR 04/20/99)

LA PLATA COUNTY

ELM RIDGE RESOURCES
1A HERRERA A
IC 05-067-70032-99

16-33N-8W
SE NW SW
1585 FSL 995 FWL

IGNACIO-BLANCO; 8060 DAKOTA, (FR 04/12/99FM) **OPER ADD:** 4925 GREENVILLE AVE STE 1305, DALLAS, TX, 75206 PHONE (505) 326-7099; **LOCATION DATA:** 5 1/4 MI W IGNACIO, CO; **D**

■ **CONTR:** BEARCAT DRLG, **RIG** #2; MIRT; (LDIR 04/20/99)

ELM RIDGE RESOURCES
1A HARMON A
API 05-067-08194

17-33N-8W
SE NW SE
1520 FSL 1625 FEL
IC 50677000999

IGNACIO-BLANCO; PERMIT #99-110; 8075 DAKOTA, (FR 03/02/99FM) **OPER ADD:** 4925 GREENVILLE AVE STE 1305, DALLAS, TX, 75206 PHONE (505) 326-7099; **EL:** 6710 GR; **LOCATION DATA:** 5 3/4 MI W IGNACIO, CO; **D**

■ **CONTR:** BEARCAT DRLG, **RIG** #2;**SPUD:** 03/22/99, **CSG:** RAN PROD CSG; **8008 TD,** (TD REACHED: 04/ 16/99); . . . 8008 TD, WOCT (LDIR 04/20/99)

ELM RIDGE RESOURCES
1A BROWN ARVIL
API 05-067-08206

15-33N-9W
NE SW NE
1615 FNL 1598 FEL
IC 50677001699

IGNACIO-BLANCO; PERMIT #99-0161; 8040 DAKOTA, (FR 03/15/99FM) **OPER ADD:** 4925 GREENVILLE AVE, STE 1305, DALLAX, TX, 75206 PHONE (505) 326-7099; **EL:** 6700 GR; **LOCATION DATA:** 9 1/2 MI W IGNACIO, CO; **D**

■ **CONTR:** BEARCAT DRLG, **RIG** #1;**SPUD:** 03/18/99, **CSG:** 7 @ 5501; **8040 TD,** (TD REACHED: 04/ 13/99); . . . 8040 TD, WOCT (LDIR 04/20/99)

COLEMAN O&G
1G BEN UTE
API 05-067-08179

32-33N-9W
NE SW
1565 FSL 1315 FWL

IGNACIO-BLANCO; PERMIT #98-1022; 7900 DAKOTA, (FR 01/06/99FM) **OPER ADD:** , P.O. DRAWER 3337, FARMINGTON, NM, 87499 PHONE (505) 327-0356; **LOCATION DATA:** IRREG SEC; 13 MI WSW IGNACIO, NM; **WELL ID CHANGES:** OPR CHGD FROM THOMPSON ENGR & PROD **D**

■ **CONTR:** BIG A WELL SRVC, **RIG** #53;**SPUD:** 12/26/98, **7801 TD,** (TD REACHED: 01/ 03/99); . . . 7801 TD, MIRT (TO SIDETRACK WELL) (LDIR 04/20/99)

AMOCO PROD
26-3 SOUTHERN UTE
API 05-067-07282-0100

26-33N-11W
NW SE NW
1620 FNL 1520 FWL

IGNACIO-BLANCO; 3200 FRUITLAND COAL, (FR 02/17/99FM) **OPER ADD:** 1911 MAIN AVE STE 240, DURANGO, CO, 81301 PHONE (970) 247-6827; **EL:** 6726 KB; **LOCATION DATA:** 8 1/4 MI SE RED MESA, CO; OWRD: OLD INFO: FORMERLY PALO PET F26-3 SOUTHERN UTE. SPUD 2/26/89. 8 5/8 @ 265 W/ 200 SX, 5 1/2 @ 3431 W/600 SX. LOG TOPS: KIRTLAND 1691, FRUITLAND 2913, PICTURED CLIFFS 3207. OTD 3450. COMP 12/12/90. IPP 17 MCFGPD, 265 BWPD. PROD ZONE: FRUITLAND 3019-3180(GROSS); **D R**

■ **CONTR:** AZTEC WELL SRVCG, **RIG** #289 **RIG SUB:**13; MIRT; (LDIR 04/20/99)

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/N 907

THOMPSON ENGR & PROD — 10 DRY MESA — API 02-001-20318 — **12-40N-28E** — NW SE — 1980 FSL 1980 FEL — IC 26017000497 — **DRY MESA;** PERMIT #907; 5140 BARKER CREEK, (FR 11/05/97FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4692; **EL:** 5706 KB; **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **PERMIT REISSUED:** 06/30/98 **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. — **D**

■ **CONTR:** BIG A WELL SRVC, **RIG** #46 **RIG SUB:**12; **SPUD:** 12/17/98 . . . DRLG 4936 (LDIR 12/29/98)

COLORADO

GARFIELD COUNTY

BARRETT RESOURCES — RMV 94-21 CLOUGH — API 05-045-07325 — **21-6S-94W** — SW SW SW — 489 FSL 593 FWL — **RULISON;** PERMIT #98-765; 7250 WILLIAMS FORK, (FR 08/24/98FM) **OPER ADD:** 1515 ARAPAHOE ST, TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5262 GR; **LOCATION DATA:** 6 1/2 MI WSW RIFLE, CO; — **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #457;**SPUD:** 12/01/98, **CSG:** 10 3/4 @ 1120 W/450 SX; . . . DRLG 7800 (LDIR 12/29/98)

BARRETT RESOURCES — RMV 112-27 CLOUGH — API 05-045-07327 — **27-6S-94W** — NW NE SW — 2429 FSL 1920 FWL — **RULISON;** PERMIT #98-823; 7150 WILLIAMS FORK, (FR 09/08/98FM) **OPER ADD:** 1515 ARAPAHOE ST TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5208 GR; **LOCATION DATA:** LOT 5; 5 1/2 MI SW RIFLE, CO; **WELL ID CHANGES:** FTG CHGD FROM 2634 FSL 1510 FWL — **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #488;**SPUD:** 12/07/98, **CSG:** 9 5/8 @ 1063 W/550 SX; . . . DRLG 7135 (LDIR 12/29/98)

MESA HYDROCARBONS INC — 8-3 COUEY — API 05-045-07341 — **8-7S-92W** — NW NE NW — 604 FNL 1783 FWL — **MAM CREEK;** PERMIT #98-974; 6185 WILLIAMS FORK, (FR 11/02/98DN) **OPER ADD:** 621 17TH ST STE 1050, DENVER, CO, 80293 PHONE (303) 293-3178; **EL:** 5970 GR; **LOCATION DATA:** 6 MI SSW SILT, CO; — **D**

■ **CONTR:** CAZA DRLG, **RIG** #16;**SPUD:** 12/10/98 (EST), . . . @ 5942, WOE (LDIR 12/29/98)

BARRETT RESOURCES — GM 44-2 UNOCAL — API 05-045-07061 — **2-7S-96W** — SW SE SE — 553 FSL 781 FEL — **GRAND VALLEY;** PERMIT #98-1062; 6275 WILLIAMS FORK, (FR 11/30/98FM) **OPER ADD:** 1515 ARAPAHOE ST, TWR 3 STE 1000, DENVER, CO, 80202 PHONE (303) 572-3900; **EL:** 5185 GR; **LOCATION DATA:** 2 3/4 MI NW PARACHUTE, CO; — **D**

■ **CONTR:** NABORS DRLG USA, **RIG** #414; MIRT; (LDIR 12/29/98)

HUERFANO COUNTY

HUBER J M CORP — 1-33 HUBER-ANREATTA — API 05-055-06181 — **33-29S-67W** — NW SE SW — 774 FSL 1800 FWL — **WILDCAT;** PERMIT #98-1047; 3500 VERMEJO, (FR 11/24/98FM) **OPER ADD:** 1900 W LOOP S STE 1600, HOUSTON, TX, 77027 PHONE (713) 871-4554; **EL:** 7412 KB; **LOCATION DATA:** 1 1/2 MI W UNNAMED FLD DISC(VERMEJO)SI 34-29S-67W 15 1/2 MI NW SPANISH PEAK FLD(RATON/VERMEJO) 12 MI SSW WALSENBURG, CO; — **WF**

■ **CONTR:** BIG A WELL SRVC, **RIG** #47 **RIG SUB:**12; **SPUD:** 12/02/98 **CSG:** SET CSG; **3500 TD,** (TD REACHED: 12/ 10/98); . . . 3500 TD(APPROX), SI (LDIR 12/29/98)

LA PLATA COUNTY

RED WILLOW PROD — 1-3 SOUTHERN UTE FC 32-10 — API 05-067-06995-0101 — **1-32N-10W** — NE SW NW — 1580 FNL 1050 FWL — **IGNACIO-BLANCO;** 2787 FRUITLAND, (FR 07/07/98FM) **OPER ADD:** BOX 737, IGNACIO, CO, 81137-0737 PHONE (970) 259-5205; **EL:** 6237 KB; **LOCATION DATA:** 15 MI WSW IGNACIO, CO; **TO BE DIRECTIONALLY DRILLED. PBHL:** 1-32N-10W PBHL NOT RPTD; OWRD: OLD INFO: FORMERLY MCKENZIE METHANE 3-1 BONDS. SPUD 5/22/88. 8 5/8 @ 300 W/250 SX, 5 1/2 @ 2787 W/400 SX. LOG TOPS: OJO ALAMO 1350, KIRTLAND 1470, FRUITLAND 2390. COMP DATE 6/8/88. IPP 175 MCFGPD, 45 BWPD. PROD ZONE: FRUITLAND 2516-2719(GROSS); — **D R**

■ **CONTR:** BIG A WELL SRVC, **RIG** #23;**SPUD:** 11/12/98, SET WHIPSTOCK @ 2400 APPROX **2787 TD,** (FRUITLAND) (TD REACHED: 11/ 15/98) **OHTD** 2800,STTD #1 2787; . . . 2787 TD(APPROX), COH-CAVITATING (LDIR 12/29/98)

ELM RIDGE RESOURCES — 1A FASSETT — API 05-067-08183 — **7-33N-8W** — SE NW NE — 1140 FNL 1500 FEL — **IGNACIO-BLANCO;** PERMIT #98-1084; 8040 DAKOTA, (FR 12/02/98FM) **OPER ADD:** 4925 GREENVILLE AVE STE 1305, DALLAS, TX, 75206 PHONE (505) 326-7099; **EL:** 6605 GR; **LOCATION DATA:** 6 3/4 MI W IGNACIO, CO; — **D**

■ **CONTR:** BEARCAT DRLG, **RIG** #2;**SPUD:** 12/07/98, **CSG:** 7 @ 4670; . . . DRLG 7265 (LDIR 12/29/98)

THOMPSON ENGR & PROD — 1F BEN UTE — API 05-067-08180 — **32-33N-9W** — SW NE NE — 1000 FNL 1290 FEL — **IGNACIO-BLANCO;** PERMIT #98-1023; 8025 DAKOTA, (FR 11/20/98FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; **EL:** 6545 GR; **LOCATION DATA:** 12 MI WSW IGNACIO, CO; — **D**

■ **CONTR:** BIG A WELL SRVC, **RIG** #53;**SPUD:** 12/26/98, . . . DRLG 3320 (LDIR 12/29/98)

ARCO Alaska Inc. "Prudhoe Bay Unit" 13-08A Map:AL-4
13-10N-14E UM,Fr SW cor 1409'N 130'E(Surface)
24-10N-14E UM,Fr SE cor 701'N 830'W(BHL)
24-10N-14E UM,Fr SE cor 202'N 2567'W(est.BHL-RD)
13-3/8c.2385 9-5/8W.???? ?c.???? 50-029-20667-01
(Rowan Drlg #26) S-10/3/81 Rig rel-10/29/81
Rsm-11/13/98(Nabors Drlg #22E) Directional
13200 RD???? Redrilled, no details. Released rig midnight,12/22/98.

ARCO Alaska Inc. "Prudhoe Bay Unit" 15-15A Map:AL-4
22-11N-14E UM,Fr NW cor 2467'S 1546'E(Surface)
27-11N-14E UM,Fr NE cor 1625'S 1001'W(BHL)
27-11N-14E UM,Fr SW cor 2046'N 4182'E(est BHL-RD)
13-3/8c.2556 9-5/8W.???? 50-029-20691-01
(Parker Drlg #176)S-12/22/81 Rig rel-1/13/82
Rsm-12/02/98(Doyon Drlg #16) Directional
11000 Pg10955 Resumed 12/2/98 for redrill #1.

**ARCO Alaska Inc. "Prudhoe Bay Unit Mids" E-101
6-11N-14E UM,Fr SE cor 3876'N 501'W(Surface)
29-12N-14E UM,Fr SW cor 1806'N 3704'E(BHL)
?c.???? 50-029-22909 S-09/18/98(Doyon Drlg #14)
Directional Map:AL-4 Status:OIL-11/01/98
13618 TVD8367 Completed oil well 11/1/98. Note change in well number from #01. (EXPLORATORY)

ARCO Alaska Inc. "Prudhoe Bay Unit WBH" WB-06
25-12N-14E UM,Fr SE cor 69'N 3415'W(Surface)
28-12N-15E UM,Fr Pr SE cor 4297'N 4462'W(est.BHL)
50-029-22929 S-12/03/98(Pool Arctic #7) Map:AL-4
Directional
???? Drilling, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" E-04A
6-11N-14E UM,Fr SE cor 4125'N 502'W(Surface)
31-12N-14E UM,Fr SE cor 411'N 3418'W(BHL)
31-12N-14E UM,Fr SE cor 1921'N 2092'W(est.BHL-RD)
20c.104 13-3/8c.2840 9-5/8W.???? ?c.???? Map:AL-4
50-029-20184-01 Rsm-12/17/98(Nabors Drlg #7ES)
(Doyon Drlg #14) Rsm-10/16/98 Rig rel-10/27/98
(Brinkerhoff #36) S-1/5/76 Rig rel-2/6/76
Directional
10195 RD???? Resumed 12/17/98 with Nabors rig #7ES.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" R-09A
32-12N-13E UM,Fr SW cor 774'N 1614'E(Surface)
32-12N-13E UM,Fr SW cor 2846'N 1470'E(BHL)
31-12N-13E UM,Fr SE cor 4516'N 1809'W(est.BHL-RD)
13-3/8c.2670 9-5/8c.9075 7c.5906 50-029-20609-01
(Nabors Drlg #18E) S-7/10/81 Rig rel-7/28/81
Rsm-12/21/98(Nabors Drlg #2ES) Directional
9906 TVD9488 Resumed 12/21/98 for redrill #1.
Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" R-11A
32-12N-13E UM,Fr SW cor 1121'N 1824'E(Surface)
6-11N-13E UM,Fr NE cor 2013'S 1705'W(BHL)
31-12N-13E UM,Fr SE cor 643'N 4478'W(est.BHL-RD)
13-3/8c.2689 9-5/8W.???? ?c.???? 50-029-20893-01
(Anglo Drlg Co #26E) S-1/9/83 Rig rel-1/28/83
Rsm-11/28/98(Nabors Drlg #2ES) Directional
10904 RD???? Redrilled, no details. Released rig 12/21/98. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" U-09A
19-11N-13E UM,Fr NE cor 168'S 1852'W(Surface)
20-11N-13E UM,Fr SW cor 596'N 1983'E(BHL)
20-11N-13E UM,Fr SE cor 1099'N 1438'W(est.BHL-RD)
13-3/8c.2715 9-5/8W.???? 50-029-21144-01 Map:AL-4
(Alaska United #2) S-7/28/84 Rig rel-8/15/84
Rsm-11/09/98(Nabors Drlg #9ES) Directional
11385 Pg11342 Resumed 11/9/98 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" W-19A
21-11N-12E UM,Fr NE cor 696'S 1181'W(Surface)
16-11N-12E UM,Fr NE cor 587'S 3266'W(BHL)
8-11N-12E UM,Fr SE cor 1319'N 208'W(est.BHL-RD)
20c.90 13-3/8c.2692 9-5/8W.???? 50-029-22006-01
(Alaska United #3) S-8:30pm,1/12/90 Rig rel-2/5/90
Rsm-11/24/98(Nabors Drlg #18E) Directional
11560 TVD9201 Resumed 11/24/98 for redrill #1.
Map:AL-4

OTHER WESTERN STATES — STATE OF ARIZONA

BLACK ROCK — APACHE COUNTY
Thompson Engineering & Prod Corp. "Dry Mesa" 10
12-40N-28E,Fr SE cor 1980'N 1980'W 02-001-20318
(Lease #14-20-603-4190) elev:5694'GR Directional
5140'-est.td S-12/17/98 Map:AZ
???? Drilling, details later.

EAST BOUNDARY BUTTE
Central Resources, Inc. "Navajo" 4 02-001-20317
4-41N-28E,Fr SE cor 2262'N 906'W(Surface)
4-41N-28E, Fr NE cor 1200'S 1980'W(est.BHL) Map:AZ
Lease #14-20-603-413 6500'Paradox-est.td
elev:5364'GR Directional
Renewed permit.

DIAMOND BUTTE — MOHAVE COUNTY
*Premco Western, Inc. "Dutchman" 18-1 02-015-20030
18-37N-9W,Fr SE cor 1100'N 900'W elev:4925'GR
(Federal Lease #AZA-26138) 6000'-est.td Map:AZ
175+ Drilling with cable tools. (NPW)

STATE OF NEVADA

RYNDON — ELKO COUNTY
*Foreland Corp. "North Humboldt Federal" 1-2 Map:NV
2-36N-56E,Fr NE cor 450'S 450'W 27-007-05256
(Federal Lease N-58774) elev:5562'GR (NFW)
6500'-est.td
Issued permit #824 on 9/21/98.

PINE VALLEY — EUREKA COUNTY
*Foreland Corp. "Hot Creek" 2-7 27-011-05294 Map:NV
7-28N-52E,Fr SE cor 350'W 970'N elev:5224'GR
7000'-est.td (NFW)
Issued permit #825 on 9/25/98.

HYDE WASH — LINCOLN COUNTY
*Falcon Energy LLC/Kriac Energy Inc. "Kriac" 3 (NFW)
18-8N-70E,Fr SE cor 5'W 316'N 27-017-05227 Map:NV
S-01/10/98(Sierra Drlg #3) elev:5712'GR
2800'-est.td
2800 Released rig aprx.2/12/98. Testing.

GHOST RANCH — NYE COUNTY
**Makoil, Inc. "Ghost Ranch" 2-21X 27-023-05553
2-8N-57E,Fr NW cor 430'S 2310'E elev:4742'GR
9-5/8c.500 7c.4600aprx S-07/25/97(Makoil rig #286)
(Federal Lease N-42341) 5000'-est.td Map:NV
4600+ Evaluating. May deepen. (EXT)

LITTLE SMOKY VALLEY
*Alpine Inc. "Needle Springs Federal" 1-35 Map:NV
35-11N-52E,Fr SW cor 660'N 660'E (NFW)
(Federal Lease N-61782)
Filed application to drill.

KYLE SPRING — PERSHING COUNTY
*Evans-Barton, Ltd "Kyle Spring" 11-14 27-027-05005
11-29N-36E,Fr SW cor 1033'N 769'E elev:4786.54'GR
4-1/2c.2500 S-11/06/96(Humboldt Drlg) Map:NV
(Federal lease N-58388) 2500'-est.td (NFW)
2622 Evaluating. May convert to disposal well.

*Evans-Barton, Ltd "Kyle Spring" 11-43 27-027-05008
11-29N-36E,Fr SE cor 1982'N 656'W elev:4412'GR
4-1/2c.738 S-09/23/98(Humboldt Drlg) 3000'-est.td
Federal lease N-58388 Map:NV (NFW)
865 Perforated an undisclosed interval. Testing.

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.

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

ARIZONA

APACHE COUNTY

THOMPSON ENGR & PROD — 12-40N-28E — D
10 DRY MESA
API 02-001-20318
NW SE
1980 FSL 1980 FEL
IC 20017000497

DRY MESA; PERMIT #907; 5140 BARKER CREEK, (FR 11/05/97FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; **EL:** 5706 KB; **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **PERMIT REISSUED:** 06/30/98 **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138.

■ **CONTR:** BIG A WELL SRVC. **RIG** #46 **RIG SUB:**12; **SPUD:** 12/17/98 . . . DRLG 3095 (LDIR 12/21/98)

COLORADO

CHEYENNE COUNTY

ANSCHUTZ EXPL CORP — 20-12S-47W — WF
9-20 MCKEEVER
API 05-017-07603
SE NE SE
1450 FSL 600 FEL

WILDCAT; PERMIT #98-1053; 5900 MORROW, (FR 11/25/98DN) **OPER ADD:** 555 17TH ST STE 2400, DENVER, CO, 80202 PHONE (303) 299-1344; **EL:** 4631 GR; **LOCATION DATA:** 7 MI E FARSIDE FLD DISC(MORROW) 5 MI N EUREKA CREEK FLD DISC(MARMATON) 16 1/2 MI NNE KIT CARSON, CO;

■ **CONTR:** MURFIN DRLG. **RIG** #14;**SPUD:** 12/08/98. . . . DRLG-TITE (LDIR 12/21/98)

GARFIELD COUNTY

MESA HYDROCARBONS INC — 8-7S-92W — D
8-3 COUEY
API 05-045-07341
NW NE NW
604 FNL 1783 FWL

MAM CREEK; PERMIT #98-974; 6185 WILLIAMS FORK, (FR 11/02/98DN) **OPER ADD:** 621 17TH ST STE 1050, DENVER, CO, 80293 PHONE (303) 293-3178; **EL:** 5970 GR; **LOCATION DATA:** 6 MI SSW SILT, CO;

■ **CONTR:** CAZA DRLG. **RIG** #16;**SPUD:** 12/10/98 (EST). . . . DRLG 4435 (LDIR 12/21/98)

LA PLATA COUNTY

ELM RIDGE RESOURCES — 7-33N-8W — D
1A FASSETT
API 05-067-08183
SE NW NE
1140 FNL 1500 FEL

IGNACIO-BLANCO; PERMIT #98-1084; 8040 DAKOTA, (FR 12/02/98FM) **OPER ADD:** 4925 GREENVILLE AVE STE 1305, DALLAS, TX, 75206 PHONE (505) 326-7099; **EL:** 6605 GR; **LOCATION DATA:** 6 3/4 MI W IGNACIO, CO;

■ **CONTR:** BEARCAT DRLG. **RIG** #2;**SPUD:** 12/07/98. **CSG:** 7 @ 4670; . . . DRLG 5741 (LDIR 12/21/98)

ENERVEST SAN JUAN OPERATING, LLC — 17-33N-10W — D
S U 17-3 BLACK RIDGE
API 05-067-08176
NE SE NW
1527 FNL 2109 FWL

IGNACIO-BLANCO; PERMIT #98-979; 4953 FRUITLAND COAL, PROJ TVD: 3908, (FR 11/02/98FM) **OPER ADD:** 570-B TURNER DR, DURANGO, CO, 81301 PHONE (970) 247-1500; **EL:** 7517 KB; **LOCATION DATA:** 13 MI SSW DURANGO, CO; **TO BE DIRECTIONALLY DRILLED. PBHL:** 1320 FSL 1750 FWL W2 E2 SW 17-33N-10W;

■ **CONTR:** BIG A WELL SRVC. **RIG** #43 **RIG SUB:**12; **SPUD:** 11/20/98 **DRLG COMMENTS:** BIG A WELL SRVC RIG # 41 DRLD 4294-TD. . . . DRLG 4825 (LDIR 12/21/98)

CANYON CO — 21-33N-11W — D R
21-1 SOUTHERN UTE
API 05-067-07132-0101
SW NE NW
800 FNL 1670 FWL

IGNACIO-BLANCO; PERMIT #98-956; 2608 FRUITLAND COAL, PROJ TVD: 2380, (FR 10/27/98FM) **OPER ADD:** % HALLWOOD PETROLEUM INC, BOX 378111, DENVER, CO, 80237 PHONE (303) 850-6257; **EL:** 6848 KB; **LOCATION DATA:** 6 1/2 MI E RED MESA, CO; **TO BE DIRECTIONALLY DRILLED. PBHL:** 867 FT S 62 DEG 27 MIN 36 SEC E; 401 S 769 E; 1201 FNL 2439 FWL SE NE NW 21-33N-11W; OWWO: OLD INFO: FORMERLY BOWEN-EDWARDS ASSOC 21-1 FORTY FOUR CANYON. SPUD 10/26/88. 8 5/8 @ 299 W/220 SX, 5 1/2 @ 2200 W/280 SX. LOG TOPS: KIRTLAND 1251, FRUITLAND 1564, PICTURED CLIFFS 2068. OTD 2200. COMP 11/10/88 IPF 150 MCFGPD, 874 BWPD. PROD ZONE: FRUITLAND 1722-2061(GROSS);

■ **CONTR:** AZTEC WELL SRVCG. **RIG** #184 **RIG SUB:**13; **SPUD:** 12/20/98 SET WHIPSTOCK @ 268 **OHTD** 2200; . . . DRLG 1900 (LDIR 12/21/98)

HUBER J M CORP — 32-35N-8W — D
3-32 TENORIO
API 05-067-08159
SE NW SE
1830 FSL 1570 FEL

IGNACIO-BLANCO; PERMIT #98-916; 3000 FRUITLAND COAL, (FR 10/16/98FM) **OPER ADD:** 1900 W LOOP SOUTH STE 1600, HOUSTON, TX, 77027 PHONE (713) 871-4554; **EL:** 6952 KB; **LOCATION DATA:** 6 1/2 MI ESE DURANGO, NM; **TO BE DIRECTIONALLY DRILLED. PBHL:** 180 FT S 0 DEG 0 MIN 0 SEC E; 180 S E; 1650 FSL 1570 FEL SE NW SE 32-35N-8W;

■ **CONTR:** BIG A WELL SRVC. **RIG** #44 **RIG SUB:**12; **SPUD:** 12/16/98 (EST). **3000 TD,** (FRUITLAND COAL) (TD REACHED: 12/ 20/98); . . . 3000 TD(APPROX). LOGGING (LDIR 12/21/98)

HUBER J M CORP — 33-35N-8W — D
3-33 RHOADES
API 05-067-08158
NW SW SW
1180 FSL 370 FWL

IGNACIO-BLANCO; PERMIT #98-701; 3000 FRUITLAND COAL, (FR 08/27/98FM) **OPER ADD:** 1900 W LOOP S, STE 1600, HOUSTON, TX, 77027 PHONE (713) 871-4554; **EL:** 6986 KB; **LOCATION DATA:** 7 MI ESE DURANGO, CO NORTH OF UTE LINE; **TO BE DIRECTIONALLY DRILLED. PBHL:** 793 FT N 90 DEG 0 MIN 0 SEC E; N 793 E; 1180 FSL 1163 FWL NE SW SW 33-35N-8W;

■ **CONTR:** BIG A WELL SRVC. **RIG** #44 **RIG SUB:**12; **SPUD:** 12/10/98 **3000 TD,** (TD REACHED: 12/ 14/98); . . . 3000 TD, WOCT (LDIR 12/21/98)

12-17-98 Mike Hanson, Coleman O+G calls:
Mobile # 505-330-1147, office 505-330-2903
Moving in today to spud well.

12-22-98 @ 3530' + ϕ ahead - going good. ptd ~5000'
probably TD + log Christmas or so.
take few days off + complete early January.

PETROLEUM INFORMATION/DWIGHTS
DAILY ACTIVITY REPORT
SECTION II - 12/16/98

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.

P/N 907

ARIZONA

APACHE COUNTY

THOMPSON ENGR & PROD
10 DRY MESA
API 02-001-20318

12-40N-28E
NW SE
1980 FSL 1980 FEL
IC 20017000497

DRY MESA; PERMIT #907; 5140 BARKER CREEK, (FR 11/05/97FM) **OPER ADD:** 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; **EL:** 5706 KB; **LOCATION DATA:** 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); **PERMIT REISSUED:** 06/30/98 **WELL ID CHANGES:** WELL NAME CHGD FROM NAVAJO TR 138. **D**

■ **CONTR:** BIG A WELL SRVC, **RIG** #46 **RIG SUB:**12; BLDG LOC; (LDIR 12/15/98)

COLORADO

HUERFANO COUNTY

HUBER J M CORP
1-33 HUBER-ANREATTA
API 05-055-06181

33-29S-67W
NW SE SW
774 FSL 1800 FWL

WILDCAT; PERMIT #98-1047; 3500 VERMEJO, (FR 11/24/98FM) **OPER ADD:** 1900 W LOOP S STE 1600, HOUSTON, TX, 77027 PHONE (713) 871-4554; **EL:** 7412 KB; **LOCATION DATA:** 1 1/2 MI W UNNAMED FLD DISC(VERMEJO)SI 34-29S-67W 15 1/2 MI NW SPANISH PEAK FLD(RATON/VERMEJO) 12 MI SSW WALSENBURG, CO; **WF**

■ **CONTR:** BIG A WELL SRVC, **RIG** #47 **RIG SUB:**12; **SPUD:** 12/02/98 **3500 TD,** (TD REACHED: 12/ 10/98); . . . 3500 TD(APPROX), CAVITATING/COH (LDIR 12/15/98)

LA PLATA COUNTY

BURLINGTON RES O&G
4A CARTER UTE
API 05-067-08174

11-32N-10W
NW SW SE
990 FSL 2145 FEL

IGNACIO-BLANCO; PERMIT #98-963; 6161 MESAVERDE, (FR 10/27/98FM) **OPER ADD:** BOX 4289, FARMINGTON, NM, 87499 PHONE (505) 326-9727; **EL:** 6680 KB; **LOCATION DATA:** 16 MI WSW IGNACIO, CO; **D**

■ **CONTR:** BEARCAT DRLG, **RIG** #1 **RIG SUB:**12; **SPUD:** 12/03/98 **CSG:** RAN PROD CSG; **6087 TD,** (POINT LOOKOUT) (TD REACHED: 12/ 11/98); . . . 6087 TD, WOCT (LDIR 12/15/98)

ELM RIDGE RESOURCES
1A FASSETT
API 05-067-08183

7-33N-8W
SE NW NE
1140 FNL 1500 FEL

IGNACIO-BLANCO; PERMIT #98-1084; 8040 DAKOTA, (FR 12/02/98FM) **OPER ADD:** 4925 GREENVILLE AVE STE 1305, DALLAS, TX, 75206 PHONE (505) 326-7099; **EL:** 6605 GR; **LOCATION DATA:** 6 3/4 MI W IGNACIO, CO; **D**

■ **CONTR:** BEARCAT DRLG, **RIG** #2;**SPUD:** 12/07/98, **CSG:** 7 @ 4670; . . . @ 4670, TRPG (LDIR 12/15/98)

HUBER J M CORP
3-33 RHOADES
API 05-067-08158

33-35N-8W
NW SW SW
1180 FSL 370 FWL

IGNACIO-BLANCO; PERMIT #98-701; 3000 FRUITLAND COAL, (FR 08/27/98FM) **OPER ADD:** 1900 W LOOP S, STE 1600, HOUSTON, TX, 77027 PHONE (713) 871-4554; **EL:** 6986 KB; **LOCATION DATA:** 7 MI ESE DURANGO, CO NORTH OF UTE LINE; **TO BE DIRECTIONALLY DRILLED. PBHL:** 793 FT N 90 DEG 0 MIN 0 SEC E; N 793 E; 1180 FSL 1163 FWL NE SW SW 33-35N-8W; **D**

■ **CONTR:** BIG A WELL SRVC, **RIG** #44 **RIG SUB:**12; **SPUD:** 12/10/98 **3000 TD,** (TD REACHED: 12/ 14/98); . . . 3000 TD, LOGGING (LDIR 12/15/98)

LAS ANIMAS COUNTY

STROUD OIL PROPERTIES
21-14A PRIMERO
API 05-071-06708

21-33S-66W
SE SE SW
341 FSL 2256 FWL

SPANISH PEAK; PERMIT #98-1032; 2450 VERMEJO, (FR 11/24/98DN) **OPER ADD:** BOX 9, WESTON, CO, 81091 PHONE (719) 868-2703; **EL:** 6910 GR; **LOCATION DATA:** 3 1/2 MI ENE WESTON, CO; **D**

■ **CONTR:** PENSE BROS DRL; MIRT; (LDIR 12/15/98)

MOFFAT COUNTY

MCELVAIN T H O&G PROP
5-9 SAND HILLS FEDERAL
API 05-081-06959

5-11N-91W
SE NE SE
1941 FSL 600 FEL

WEST SIDE CANAL; PERMIT #98-588; 6257 ALMOND, (FR 06/23/98FM) **OPER ADD:** 1050 17TH ST STE 710, DENVER, CO, 80265 PHONE (303) 893-0933; **EL:** 6421 GR; **LOCATION DATA:** 7 1/4 MI SSE BAGGS, WY; **WELL ID CHANGES:** SPOT CHGD FROM E/ NE SE, FTG CHGD FROM 1906 FSL, 660 FEL, ELEV CHGD FROM 6420 GR. **D**

■ **CONTR:** ELENBURG EXPL, **RIG** #14;**SPUD:** 08/08/98, **CSG:** 4 1/2 @ 6355; **6355 TD,** (TD REACHED: 08/ 18/98); **PROD TEST(S): PERF** (ALMOND), . . . 6355 TD, SI-EVALUATING FOR POSSIBLE SWD (LDIR 12/15/98)

SAN MIGUEL COUNTY

KEBO O&G
3-1 BLACK FEDERAL
API 05-113-06067

3-42N-14W
NW SW NW
1520 FNL 625 FWL

WILDCAT; PERMIT #98-1012; 9500 DESERT CREEK, (FR 11/16/98DN) **OPER ADD:** 607 RAILROAD AVE, DALLAS, TX, 75220 PHONE (512) 643-8821; **LOCATION DATA:** 7 MI ESE COCKLEBUR DRAW FLD DISC(HERMOSA) 15 MI SSW NORWOOD, CO; **WF**

■ **CONTR:** CYCLONE DRLG, **RIG** #12;**SPUD:** 11/28/98, . . . DRLG 6200 (LDIR 12/15/98)

PLAINS PET

DRILLING PROGRESS
ARIZONA - APACHE COUNTY CONTINUED

THOMPSON ENGR & PROD 10 DRY MESA API 02-001-20318 ■ LOC;	12-40N-28E NW SE 1980 FSL 1980 FEL IC 20017000497	DRY MESA; PERMIT #907; 5140 BARKER CREEK. (FR 11/05/97FM) OPER ADD: 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; EL: 5694 GR; LOCATION DATA: 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK); PERMIT REISSUED: 06/30/98 WELL ID CHANGES: WELL NAME CHGD FROM NAVAJO TR 138.	D
THOMPSON ENGR & PROD 9 NAVAJO TRACT 138 IC 02-001-70003-97 LOC;	12-40N-28E SW NE 1560 FNL 1965 FEL	DRY MESA; 5500 BARKER CREEK. (FR 11/05/97FM) OPER ADD: 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892; LOCATION DATA: 6 1/2 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK);	D
CENTRAL RESOURCES 4 NAVAJO API 02-001-20317 LOC;	4-41N-28E NE SE 2262 FSL 906 FEL	BOUNDARY BUTTE EAST; PERMIT #905; 6500 MISSISSIPPIAN. (FR 10/08/97FM) OPER ADD: BOX 2810, FARMINGTON, NM, 87499-2810 PHONE (505) 326-3325; EL: 5364 GR; LOCATION DATA: 10 MI WNW TEEC NOS POS, AZ W/IN FLD(PARADOX); TO BE HORIZONTALLY DRILLED. PBHL: 1200 FNL 1980 FEL SE NW NE 4-41N-28E;	WO

MOHAVE COUNTY

PREMCO WESTERN 18-1 DUTCHMAN API 02-015-20030	18-37N-9W NW SE SE 1100 FSL 900 FEL	WILDCAT; PERMIT #906; 6000 PRECAMBRIAN. (FR 04/02/98FM) OPER ADD: BOX 1274, SAINT GEORGE, UT, 84771-1274 PHONE (801) 674-9702; EL: 4925 GR; LOCATION DATA: 44 MI SSW VIRGIN FLD, UT(MOENKOPI) 34 MI SE SAINT GEORGE, UT;	WF

CONTR: OWN DRLG; SPUD: 04/15/98. . . . DRLG, NO DEPTH RPTD (LDIR 06/16/98)

NEVADA

ELKO COUNTY

FORELAND CORP 1-4 DIXIE FLATS FED API 27-007-05255 LOC;	4-31N-54E NE SE SW 1050 FSL 3160 FEL IC 270077000198	WILDCAT; 6000 CONFIDENTIAL. (FR 06/17/98DN) OPER ADD: 2561 S 1560 W STE 200, WOODS CROSS, UT, 84087 PHONE (801) 298-9866; EL: 5462 GR; LOCATION DATA: 13 MI ENE TOMERA RANCH FLD(DEVILS GATE/INDIAN WELL) 18 MI SSW ELKO, NV;	WF

ESMERALDA COUNTY

MARSHALL OIL 1 JAKE API 27-009-05203	7-2N-39E NW NE 1213 FNL 1408 FEL	WILDCAT; PERMIT #807; 10000. (FR 09/26/97DN) OPER ADD: 2301 LAKESIDE DR, RENO, NV, 89509 PHONE (702) 826-2007; EL: 4730 GR; LOCATION DATA: 120 MI WSW TRAP SPRINGS FLD(VOLCANIC/PENNSYLVANIAN/ TERTIARY) 23 MI W TONAPAH, NV;	WF D&A

● CONTR: TRANSWESTERN DRLG. RIG #1;SPUD: 10/18/97 (EST). CSG: RAN SURF CSG; 8928 TD, (UNKNOWN) (TD REACHED: 12/ 03/97); 8928 TD. COMP 12/4/97, D&A. HOLDING FOR DATA . . (LDIR 03/26/98)

EUREKA COUNTY

TRAIL MOUNTAIN 1 LUCKY SEVEN UNIT IC 27-011-70001-97 LOC (MAY SPUD SUMMER '98); (LDIR 02/04/98)	13-27N-51E SE SW 100 FSL 2530 FWL	WILDCAT; 7500 CONFIDENTIAL. (FR 07/23/97FM) OPER ADD: 105 S 4TH ST, ARTESIA, NM, 88210 PHONE (505) 748-1491; LOCATION DATA: 2 MI SW BLACKBURN FLD(NEVADA) 30 MI SE BEOWAWE, NV;	WF
TRAIL MOUNTAIN 6 THREE BAR UNIT API 27-011-05288 CONTR: CARDINAL DRLG. RIG #4;SPUD: 03/26/98. CSG: 8 5/8 @ 3970; LOG TYPES: BHC 3870-9320, DISF 3850-9310; 3970-8184, GR 3850-9310, 3870-9320, SONL 3870-9320; 9350 TD, (TD REACHED: 05/ 14/98) BHT: 230F3800 PBTD ; . . . 9350 TD, PBTD 3800, SI-WOO (INACTIVE) (LDIR 06/15/98)	25-28N-51E SE NE 2075 FNL 800 FEL IC 270117000295	THREE BAR; 7200 CONFIDENTIAL. (FR 08/16/95FM) OPER ADD: 105 S 4TH ST, ARTESIA, NM, 88210 PHONE (505) 748-1491; EL: 5296 KB; LOCATION DATA: 1/4 MI SE THREE BAR FLD(HUMBOLT/VOLCANICS) 26 MI SE BEOWAVE, NV; TO BE VERTICALLY DRILLED.	D
FORELAND CORP 1-8 PINE CREEK IC 27-011-70002-96 LOC - WO 3D SHOOT/EVAL; (LDIR 09/09/97)	8-28N-52E	WILDCAT; CONFIDENTIAL. (FR 02/06/96DN) OPER ADD: 2561 SOUTH 1560 WEST STE 200, WOODS CROSS, UT, 84087 PHONE (801) 298-9866; LOCATION DATA: FTG NOT RPTD; 3 MI NE THREE BAR FLD(HUMBOLDT/VOLCANICS) 3 MI SW WILLOW CREEK NORTH FLD(INDIAN WELL/CHAINMAN) 20 MI S-SE PALISADE, NV; TO BE VERTICALLY DRILLED. WELL ID CHANGES: WELL NAME CHGD FROM PINE CANYON.	WF
FORELAND CORP 1-4 PINON IC 27-011-70001-96 LOC - WO 3D SHOOT/EVAL; (LDIR 09/09/97)	4-29N-52E SW SE	WILDCAT; CONFIDENTIAL. (FR 02/06/96DN) OPER ADD: 2561 SOUTH 1560 WEST STE 200, WOODS CROSS, UT, 84087 PHONE (801) 298-9866; LOCATION DATA: 3 MI N WILLOW CREEK NORTH FLD(INDIAN WELL/CHAINMAN) 13 1/2 MI S-SE PALISADE, NV; TO BE VERTICALLY DRILLED.	WF

July 16, 1998

ARCO Alaska Inc. "Prudhoe Bay Unit" 02-11A Map:AL-4
36-11N-14E UM,Fr NW cor 921'S 916'E(Surface)
1-10N-14E UM,Fr NE cor 1644'S 1185'W(BHL)
1-10N-14E UM,Fr NE cor 1678'S 3434'W(est.BHL-RD)
20c.101 13-3/8c.2711 9-5/8c.12162 50-029-20273-01
(Parker Drlg #141) S-10/18/77 Rig rel-11/23/77
Directional
12180 Pg12120 Issued permit #98-126 on 7/10/98 for redrill #1.

ARCO Alaska Inc. "Prudhoe Bay Unit" 05-20A Map:AL-5
32-11N-15E UM,Fr NE cor 2911'S 5033'W(Surface)
5-10N-15E UM,Fr NW cor 264'S 437'E(BHL)
5-10N-15E UM,Fr NW cor 254'S 437'E(est.BHL-RD)
20c.115 13-3/8c.3512 9-5/8W.???? 50-029-22137-01
(Doyon Drlg #9) S-3/26/91 Rig rel-4/27/91
Rsm-06/22/98(Nabors Drlg #3S) Directional
10699 TVD9039 Resumed 6/22/98 for redrill #1.

ARCO Alaska Inc. "Prudhoe Bay Unit" 05-21A Map:AL-4
32-11N-15E UM,Fr SW cor 1968'N 1243'E(Surface)
5-10N-15E UM,Fr NW cor 530'S 2725'E(BHL)
5-10N-15E UM,Fr SE cor 4149'N 3141'W(est.BHL-RD)
20c.110 13-3/8c.2997 9-5/8c.8674 7c.10200
4-1/2c.11270 50-029-21969-01 Directional
(Nabors Drlg #28E) S-8/23/89 Rig rel-10/4/89
11300 Issued permit #98-118 on 7/10/90 for redrill #1.

ARCO Alaska Inc. "Prudhoe Bay Unit" 07-14A Map:AL-4
33-11N-14E UM,Fr NE cor 511'S 314'W(Surface)
27-11N-14E UM,Fr NW cor 831'S 1231'E(BHL)
28-11N-14E UM,Fr NE cor 512'S 251'W(est.BHL-RD)
13-3/8c.2665 9-5/8W.???? 50-029-20339-01
(Rowan Drlg #34) S-5/17/79 Rig rel-6/5/79
Rsm-06/14/98(Nabors Drlg CDR #1) Directional
11075 Pg10998 Resumed 6/14/98 for redrill #1.

ARCO Alaska Inc. "Prudhoe Bay Unit" 07-15A Map:AL-4
34-11N-14E UM,Fr NW cor 1010'S 509'E(Surface)
28-11N-14E UM,Fr SE cor 267'N 77'W(BHL)
28-11N-14E UM,Fr SE cor 2063'N 1638'W(est.BHL-RD)
20c.110 13-3/8c.2586 9-5/8W.???? 50-029-20847-01
(Parker Drlg Co #176) S-10/29/82 Rig rel-11/15/82
Rsm-06/25/98(Doyon Drlg #14) Directional
9425 Pg9390 Resumed 6/25/98 for redrill #1.

P/N 907

ARCO Alaska Inc. "Prudhoe Bay Unit" 18L2-11
18-11N-15E UM,Fr SW cor 1432'N 1119'E(Surface)
18-11N-15E UM,Fr SE cor 3335'N 2485'W(est.BHL)
50-029-22885 S-05/19/98(Doyon Drlg #9) Map:AL-5
Directional
10000+ Drilling.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" K-06A
4-11N-14E UM,Fr NW cor 2146'S 504'E(Surface)
33-12N-14E UM,Fr SW cor 47'N 1011'E(BHL)
4-11N-14E UM,Fr NW cor 43'S 4381'E(est.BHL-RD)
13-3/8c.2673 9-5/8c.8777 7c.9410 50-029-21038-01
(Alaska United #3) S-11/5/83 Rig rel-11/18/83
Directional Map:AL-4
9410 Pg9367 Issued permit #98-136 on 7/10/98 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" R-06A
32-12N-13E UM,Fr SW cor 729'N 1400'E(Surface)
32-12N-13E UM,Fr NE cor 1848'S 1166'W(BHL)
33-12N-13E UM,Fr NE cor 1067'S 4648'W(est.BHL-RD)
13-3/8c.2661 9-5/8c.9740 7c.10681 50-029-20388-01
(Arctic Alaska PNJV #1) S-9/11/79 Rig rel-10/6/79
Directional Map:AL-4
10688 Pg10630 Issued permit #98-127 on 7/10/98 for redrill #1 as a waterflood well.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" R-18B
32-12N-13E UM,Fr NE cor 3405'S 3613'W(Surface)
29-12N-13E UM,Fr SE cor 220'N 2735'W(BHL)
29-12N-13E UM,Fr SE cor 856'N 2151'W(BHL-RD)
28-12N-13E UM,Fr SE cor 1013'N 4690'W(est.BHL-RD2)
13-3/8c.2700 9-5/8W.???? ?c.????? 50-029-20633-02
(Nabors Drlg #18E)S-8/21/81 Rig rel-9/9/81
(Unknown contractor redrilled in 1995) Map:AL-4
Directional
11066 TVD8885 Issued permit #98-119 on 7/10/98 for redrill #2.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" R-20A
32-12N-13E UM,Fr NE cor 3190'S 3658'W(Surface)
31-12N-13E UM,Fr NE cor 901'S 4563'W(est.BHL)
25-12N-12E UM,Fr SE cor 2916'N 3070'W(est.BHL-RD)
13-3/8c.2721 9-5/8W.???? 50-029-20641-01 Map:AL-4
(Nabors Drlg #18E) S-10/2/81 Comp-10/27/81
Rsm-06/26/98(Nabors Drlg #2ES) Directional
12187 TVD9401 Resumed 6/26/98 for redrill #1.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" Z-35
19-11N-12E UM,Fr SE cor 4309'N 3481'W(Surface)
13-11N-11E UM,Fr SE cor 2869'N 2034'W(est.BHL)
50-029-22884 S-07/01/98(Nabors Drlg #18E)
Directional Map:AL-4
???? Drilling, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit Nia" NK-61
36-12N-15E UM,Fr SE cor 1383'N 901'W(Surface)
25-12N-15E UM,Fr SE cor 1955'N 4540'W(est.BHL)
50-029-22893 S-06/26/98(Pool Arctic #7) Map:AL-5
Directional
???? Drilling, no details.

TARN

ARCO Alaska Inc. "Kuparuk River Unit TRN" 2N-345
3-9N-7E UM,Fr NE cor 143'S 113'W(Surface)
3-9N-7E UM,Fr NW cor 605'S 118'E(est.target)
3-9N-7E UM,Fr NW cor 604'S 283'W(est.BHL) Map:AL-4
16c.121 7-5/8c.2789 50-103-20264 Directional
S-07/07/98(Doyon Drlg #141)
6846 Cmtd 7-5/8" csg at 2789'. Drilling ahead.

OTHER WESTERN STATES

STATE OF ARIZONA

BLACK ROCK

APACHE COUNTY

Thompson Engineering & Prod Corp. "Dry Mesa" 10
12-40N-28E,Fr SE cor 1980'N 1980'W 02-001-20318
(Lease #14-20-603-4190) elev:5694'GR Directional
5140'-est.td Map:AZ
Issued permit #907 on 7/10/98.

EAST BOUNDARY BUTTE

Central Resources, Inc. "Navajo" 4 02-001-20317
4-41N-28E,Fr SE cor 2262'N 906'W(Surface)
4-41N-28E, Fr NE cor 1200'S 1980'W(est.BHL) Map:AZ
Lease #14-20-603-413 6500'Paradox-est.td
elev:5364'GR Directional
Renewed permit.

DIAMOND BUTTE

MOHAVE COUNTY

*Premco Western, Inc. "Dutchman" 18-1 02-015-20030
18-37N-9W,Fr SE cor 1100'N 900'W elev:4925'GR
(Federal Lease #AZA-26138) 6000'-est.td Map:AZ
50+ Drilling with cable tools. (NFW)

STATE OF NEVADA

BRADY HOT SPRINGS

CHURCHILL COUNTY

Brady Power Partners "1" 21-1 27-001-90277 Map:NV
1-22N-26E,NW-1/4
Issued permit #472 on 7/1/98.

Brady Power Partners "1" BCH-10 27-001-90281
25-22N-26E,NE-1/4 NE-1/4 900'-est.td Map:NV
Issued permit #476 on 7/1/98. (OBSERVATION)

Brady Power Partners "1" BCH-8 27-001-90279 Ma
25-22N-26E,NE-1/4 NE-1/4 900'-est.td
Issued permit #474 on 7/1/98. (OBSERVATION)

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

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

July 10, 1998

Mr. Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505

Re: Thompson Engineering & Production Corp
Dry Mesa #10 Navajo-138; State Permit #907

Dear Brian:

The referenced well has been approved by this office. An approved State application to drill; State Permit #907, and filing fee receipt #3105 are enclosed for your file.

The State Permit is issued on the condition that you (1) obtain necessary Tribal and BLM approvals; (2) file samples and copies of all tests and logs pursuant to A.A.C. R12-7-121; (3) copy this office with all Sundry Notices submitted to the BLM, and (4) *notify this office* before commencing drilling operations.

We look forward to a successful completion of this well.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures