

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

RECEIVED

2008 JUL 10 PM 1 23

July 6, 2008

Via fax and U.S. Mail

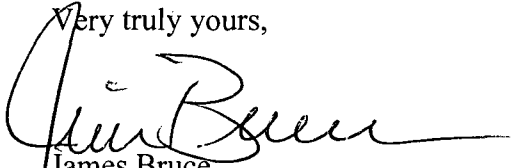
Florene Davidson  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

*Case 14157*

Dear Florene:

Enclosed for filing, on behalf of Forest Oil Corp., are an original and one copy of an application for a secondary recovery project, together with a proposed advertisement. The advertisement has also been e-mailed to the Division. Please set this matter for the August 7, 2008 Examiner hearing. Thank you.

Very truly yours,

  
James Bruce  
Attorney for Forest Oil Corp.

PERSONS BEING NOTIFIED

Marbob Energy Corporation

COG Operating, LLC

Chevron U.S.A. Inc.

Kersey & Co.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF FOREST OIL CORP. FOR  
APPROVAL OF A SECONDARY RECOVERY  
PROJECT, EDDY COUNTY, NEW MEXICO.

Case No. 14757

RECEIVED  
JUL 10 AM 1 23

APPLICATION

Forest Oil Corp. applies for an order approving a lease secondary recovery project and in support thereof, states:

1. The lands involved in this application are as follows:

Township 17 South, Range 31 East, N.M.P.M.  
Section 16: SE $\frac{1}{4}$ ,

Eddy County, New Mexico, containing 160.00 acres.

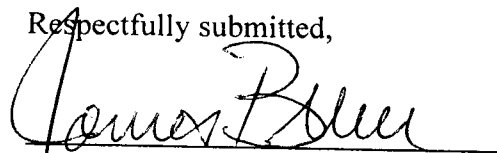
This land is covered by the "State B Lease" (State of New Mexico Oil and Gas Lease B-2613-7).

2. The initial project area comprises the SE $\frac{1}{4}$  of Section 16.
3. Applicant is the operator of the Grayburg-Jackson Pool (Seven Rivers-Queen-Grayburg-San Andres formations) in the State B Lease.
4. Under Division regulations, the Grayburg-Jackson Pool is developed on statewide rules, with 40 acre well spacing, and wells to be located no closer than 330 feet to a quarter-quarter section line.
5. Applicant proposes to institute a secondary recovery project on the State B Lease by the injection of produced water into the Grayburg-Jackson Pool through the State B Well No. 13, to be located 760 feet from the south and east lines of Section 16. Applicant requests that the order entered pursuant to this application allow administrative approval for any additional injection wells.
6. The Form C-108 for the project is attached hereto as Exhibit A.

7. Approval of this application will prevent waste and protect correlative rights.

**WHEREFORE**, applicant requests that, after notice and hearing, the Division enter its order approving the injection application and the State B Lease Secondary Recovery Project.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "James Bruce", is written over a horizontal line.

James Bruce  
Post Office Box 1056  
Santa Fe, New Mexico 87504  
(505) 982-2043

Attorney for Forest Oil Corp.

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: XXX Secondary Recovery \_\_\_\_\_ Pressure Maintenance \_\_\_\_\_ Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? \_\_\_\_\_ Yes XXX No
- II. OPERATOR: FOREST OIL CORPORATION  
ADDRESS: 707 17<sup>TH</sup> STREET, SUITE 3600, DENVER, CO 80202  
CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: (505) 466-8120
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? XXX Yes \_\_\_\_\_ No  
If yes, give the Division order number authorizing the project: WFX-382, WFX-707, WFX-714
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Brian Wood TITLE: Consultant

SIGNATURE:  DATE: June 16, 2008

E-MAIL ADDRESS: brian@permitswest.com

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, please show the date and circumstances of the earlier submittal: \_\_\_\_\_

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District

EXHIBIT A

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

---

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: FOREST OIL CORPORATION

WELL NAME & NUMBER: STATE B 13

WELL LOCATION: 760' FSL & 760' FEL  
FOOTAGE LOCATION

P  
UNIT LETTER

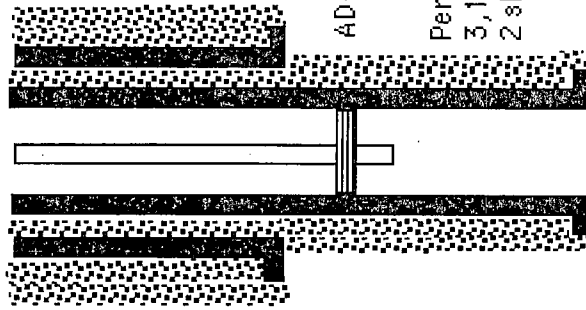
16  
SECTION

17 S  
TOWNSHIP

31 E  
RANGE

WELLBORE SCHEMATIC

2-3/8" 4.6#  
IPC tubing



8-5/8" 24# J-55 set at  
430' & cemented to the  
surface with 100% excess

AD-1 packer set @ 3,050'

Perforate (0.38") from  
3,100' to 3,900' with  
2 shots per foot

5-1/2" 17# J-55 set at  
4,100' & cemented to the  
surface with 100% excess

WELL CONSTRUCTION DATA  
Surface Casing

Hole Size: 12-1/4"

Casing Size: 8-5/8" (depth set = 430')

Cemented with: 250 sacks (>100% excess)

or 412.5 ft<sup>3</sup>

Top of Cement: Surface

Method Determined: Visual

Intermediate Casing

Hole Size: \_\_\_\_\_

Casing Size: \_\_\_\_\_

Cemented with: \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_

Method Determined: \_\_\_\_\_

Production Casing

Hole Size: 7-7/8"

Casing Size: 5-1/2"

Cemented with: 1,250 sacks (>100% excess)

or 2,481 ft<sup>3</sup>

Top of Cement: Surface

Method Determined: Visual & CBL

Total Depth: 4,100'

Injection Interval

From 3,100 feet To 3,900 feet

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" 4.6#

Lining Material: Plastic

Type of Packer: AD-1

Packer Setting Depth: 3,050' (which will be 50' above highest perforation)

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection?      XXX Yes      \_\_\_ No

If no, for what purpose was the well originally drilled? \_\_\_\_\_

2. Name of the Injection Formations: Loco Hills, Metex, Premier, San Andres, Lovington, Upper & Lower Jackson

3. Name of Field or Pool (if applicable): Grayburg Jackson; SR-Q-G-SA (pool code 28509)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. N/A

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: \_\_\_\_\_

Under: Fren; Paddock (pool code 26770) from ≈4,966' to ≈5,257' in COG's wells in unit P



FOREST OIL CORPORATION  
STATE B 13  
760' FSL & 760' FEL  
SEC. 16, T. 17 S., R. 31 E.  
EDDY COUNTY, NEW MEXICO

PAGE 1

I. Purpose is secondary recovery in the Grayburg Jackson; SR-Q-G-SA field (pool code 28509).

II. Operator: Forest Oil Corporation  
Operator phone number: (303) 812-1554  
Operator address: 707 17th St., Suite 3600  
Denver, CO 80202  
Contact: Brian Wood (Permits West, Inc.)  
Phone: (505) 466-8120

III. A. (1) Lease: NM State Land Office lease BO-2613-0007  
Lease Size: 160 acres  
Lease Area: SE4 Section 16, T. 17 S., R. 31 E.  
Closest Lease Line: 760'  
Well Name & Number: State B 13  
Well Location: 760' FSL and 760' FEL Sec. 16, T. 17 S., R. 31 E.  
(see Exhibit A)

A. (2) Surface casing (8-5/8", 24#, J-55) will be set at  $\approx 430'$  in a 12-1/4" hole. Surface casing will be cemented to the surface with  $\approx 412.5$  cubic feet (volume: >100% excess).  
Lead with  $\approx 243.75$  cubic feet ( $\approx 125$  sacks) 35:65:6 Class C with 1/4 pound per sack cellophane + 2% CaCl<sub>2</sub>. Lead yield = 1.95 cubic feet per sack. Lead weight = 12.8 pounds per gallon.  
Tail with  $\approx 168.75$  cubic feet ( $\approx 125$  sacks) Class with 1/4 pound per sack cellophane + 2% CaCl<sub>2</sub>. Yield = 1.35 cubic feet per sack. Weight = 14.8 pounds per gallon.

Production casing (5-1/2", 17#, J-55) will be set at  $\approx 4,100'$  in a 7-7/8" hole. Production casing will be cemented to the surface with  $\approx 2,481$  cubic feet (volume: >100% excess).

Lead with  $\approx 1,529$  cubic feet ( $\approx 550$  sacks) 35:65:6 Class C with 1/4 pound per sack cellophane + 2%  $\text{CaCl}_2$ . Lead yield = 2.78 cubic feet per sack. Lead weight = 12.0 pounds per gallon.

Tail with  $\approx 952$  cubic feet ( $\approx 700$  sacks) 50:50:2 Class C with 1/4 pound per sack cellophane + 2%  $\text{CaCl}_2$ . Tail yield = 1.36 cubic feet per sack. Tail weight = 14.0 pounds per gallon.

- A. (3) Tubing will be 2-3/8" 4.6# plastic lined injection string. It will be set at  $\approx 3,050'$  ( $\approx 50'$  above the highest perforation ( $\approx 3,100'$ )).
- A. (4) An AD-1 packer or its equivalent will be set at  $\approx 3,050'$ . This will be within  $\approx 50'$  of the highest perforation ( $\approx 3,100'$ ).
- B. (1) Injection zones will be the Loco Hills, Metex, Premier, San Andres, Lovington, and Upper & Lower Jackson zones of the Grayburg Jackson; SR-Q-G-SA field (pool code 28509). Fracture gradient is expected to be a  $\approx 0.45$  psi per foot.
- B. (2) Disposal interval will be  $\approx 3,100'$  to  $\approx 3,900'$  (well logs will determine exact interval after drilling). It will be perforated ( $\approx 0.38"$ ) with two shots per foot.
- B. (3) Well has not yet been drilled. It will be for Forest's exclusive use and for secondary recovery from present and future Forest wells. Water analyses from ?? wells within a ?? mile radius are attached.
- B. (4) Well bore has not yet been perforated since the well has not yet been drilled. It will be perforated from  $\approx 3,100'$  to  $\approx 3,900'$  (logs will determine exact interval after drilling).
- B. (5) Top of the Grayburg is predicted to be at  $\approx 3,025'$ . Highest perforation will be  $\approx 3,100'$ . Lowest perforation will be  $\approx 3,900'$ . Base of the Jackson porosity is 3,932'.

Bottom of the closest overlying productive zone (Fren; Seven Rivers) is at  $\approx 2,445'$ . There will be a  $\approx 655'$  interval between the bottom of the Seven Rivers and the highest injection perforation.

Top of the closest underlying productive zone (Fren;

FOREST OIL CORPORATION  
 STATE B 13  
 760' FSL & 760' FEL  
 SEC. 16, T. 17 S., R. 31 E.  
 EDDY COUNTY, NEW MEXICO

Paddock) is at  $\approx 4,800'$ . There will be a  $\approx 900'$  interval between the lowest injection perforation and the top of the Paddock.

IV. This is an expansion of an existing injection project. Forest has 45 water injection wells in adjacent Sections 15, 21, and 22 of T. 17 S., R. 31 E. Previous authorizations in these three sections include:

- May 4, 1965: Case 3226, Order R-2900
- June 12, 1968: WFX-290-0
- January 12, 1971: WFX-354-0

V. Maps (Exhibit B) showing the 45 existing or approved wells within the one-half mile (2,640') radius area of review is attached. Forty-one (41) of the wells have penetrated (38) or will penetrate (3) the planned injection interval (3,100' to 3,900'). Diagrams of the four plugged wells which penetrated the injection interval are attached in Exhibit C. Details on the wells within a half mile are:

<u>API 30-015</u>	<u>WELL</u>	<u>OPERATOR</u>	<u>17 S. - 31 E</u>	<u>STATUS</u>	<u>ZONE</u>	<u>TD</u>	<u>DISTANCE</u>
-05712	State B 3	Forest	SESE Sec. 16	P&A	G J; SR-Q-G-SA	3689	141'
-33089	Spumoni 1	Marbob	SESE Sec. 16	SWD	SWD; Penn.	12200	269'
-29606	Willow 3	COG	SESE Sec. 16	Oil	Fren; G-Y	5507	430'
-32844	Willow 4	COG	SESE Sec. 16	Oil	Fren; G-Y	5405	608'
-34143	Willow 7	COG	SESE Sec. 16	Oil	Fren; G-Y	5325	608'
-36256	B State 10	Forest	SESE Sec. 16	Oil	G J; SR-Q-G-SA	4066	760'
-32874	State B 5	Forest	SWSE Sec. 16	Oil	G J; SR-Q-G-SA	3900	792'
-05173	State B 4	Forest	NESE Sec. 16	Oil	G J; SR-Q-G-SA	3782	895'
-32664	Willow 2	COG	SWSE Sec. 16	Oil	Fren; G-Y	6505	919'
-34559	Willow 8	COG	SWSE Sec. 16	Oil	Fren; G-Y	6310	988'
-36256	B State 12	Forest	SESE Sec. 16	Oil	G J; SR-Q-G-SA	3970	992'
-32598	Skelly 939	Chevron	NENE Sec. 21	Oil	Fren; G-Y	5360	1171'
-32967	Skelly 948	Chevron	SWSW Sec. 15	Oil	Fren; G-Y	5350	1172'
-22495	Skelly 152	Texaco	NWSW Sec. 15	P&A	Fren; SR	2549	1257'
-05156	Skelly 28	Forest	NWSW Sec. 15	WIW	G J; SR-Q-G-SA	3714	1387'
-32597	Skelly 938	Chevron	NWNE Sec. 21	Oil	Fren; G-Y	5410	1407'
-22263	Skelly 129	Forest	NENE Sec. 21	Oil	G J; SR-Q-G-SA	2505	1420'
-05320	Skelly 59	Forest	NENE Sec. 21	WIW	G J; SR-Q-G-SA	3671	1423'
-05151	Skelly 29	Forest	SWSW Sec. 15	WIW	G J; SR-Q-G-SA	3435	1424'

FOREST OIL CORPORATION  
 STATE B 13  
 760' FSL & 760' FEL  
 SEC. 16, T. 17 S., R. 31 E.  
 EDDY COUNTY, NEW MEXICO

<u>API 30-015</u>	<u>WELL</u>	<u>OPERATOR</u>	<u>17 S - 31 E</u>	<u>STATUS</u>	<u>ZONE</u>	<u>TD</u>	<u>DISTANCE</u>
-22260	Skelly 126	Forest	SWSW Sec. 15	Oil	G J; SR-Q-G-SA	2539	1523'
-05171	State B 2	Forest	SWSE Sec. 16	Oil	G J; SR-Q-G-SA	3645	1566'
-28880	Willow 1	COG	SWSE Sec. 16	Oil	Fren; G-Y	8990	1579'
-36351	Willow 9	COG	SWSE Sec. 16	Oil	Fren; G-Y	6500	1590'
-29495	Willow 5	COG	NESE Sec. 16	Oil	Fren; G-Y	8700	1616'
-05170	State B 1	Forest	NWSE Sec. 16	Oil	G J; SR-Q-G-SA	3700	1725'
-36255	State B 11	Forest	SWSE Sec. 16	Oil	G J; SR-Q-G-SA	3964	1729'
-34647	Skelly 965	Chevron	SWSW Sec. 15	Oil	Fren; G-Y	5370	1765'
-31977	Skelly 935	Chevron	NENE Sec. 21	Oil	Fren; G-Y	5446	1765'
-29609	Willow 6	COG	NWSE Sec. 16	Oil	Fren; G-Y	5460	1787'
-05318	Skelly 60	Forest	NWNE Sec. 21	WIW	G J; SR-Q-G-SA	3638	1872'
-05329	Skelly 4	Forest	NWNE Sec. 21	Oil	G J; SR-Q-G-SA	2227	1988'
-29092	Skelly 211	Forest	SWSW Sec. 15	Oil	G J; SR-Q-G-SA	4000	2005'
-05347	Skelly 3	Wiser	NWNW Sec. 22	P&A	G J; SR-Q-G-SA	13196	2008'
-36283	Skelly 973	Chevron	NWNE Sec. 21	Oil*	Fren; G-Y	6400	2054'
-29326	Skelly 901	Chevron	NWNE Sec. 21	Gas	Fren; G-Y	9200	2061'
-32963	Skelly 944	Chevron	NWNW Sec. 22	Oil	Fren; G-Y	5450	2062'
-29013	Skelly 198	Forest	NWSW Sec. 15	Oil	G J; SR-Q-G-SA	4000	2144'
-28964	Skelly 223	Forest	SENE Sec. 21	Oil	G J; SR-Q-G-SA	3983	2195'
-35969	Skelly 966	COG	NWSW Sec. 15	Oil*	Fren; G-Y	6500	2198'
-28894	Skelly 222	Forest	SENE Sec. 21	Oil	G J; SR-Q-G-SA	3900	2207'
-05174	Mobil 1	H & W	SENE Sec. 16	P&A	G J; SR-Q-G-SA	3749	2221'
-05167	Macy 1	Kersey	SESW Sec. 16	Oil	G J; SR-Q-G-SA	3571	2221'
-26098	Foran 1	Marbob	SENE Sec. 16	P&A	G J; SR-Q-G-SA	3844	2251'
-32968	Skelly 949	Chevron	NWSW Sec. 15	Oil	Fren; G-Y	5350	2453'
-29265	Yucca 2	COG	NESW Sec. 16	Oil	Fren; G-Y	5435	2458'
-32206	Skelly 932	Chevron	SWNE Sec. 21	Oil*	Fren; G-Y	5500	2569'
-32596	Skelly 937	Chevron	NENW Sec. 21	Oil	Fren; G-Y	5305	2643'

\* not yet drilled

A map (Exhibit D) showing all 544 wells (84 P & A + 460 oil, gas, disposal, or injection) within a two mile radius is attached.

Exhibit E shows all leases within a half mile radius. Details are:

<u>T. 17 S., R.31 E.</u>	<u>LESSOR</u>	<u>LEASE #</u>	<u>LESSEE(S)</u>
all Sec. 15	BLM	LC-029420A	Wiser
SE4 Sec. 16	NMSLO	BO-2613-0007	Wiser
NESW Sec. 16	NMSLO	BO-3014-0007	Wiser
SWNE Sec. 16	NMSLO	BO-3105-0008	COG
SESW Sec. 16	NMSLO	BO-8571-0002	Kersey
SENE Sec. 16	NMSLO	VA-0665-0000	Marbob
all Sec. 21	BLM	NM-98122	Wiser
all Sec. 22	BLM	LC-029419A	Wiser

A map (Exhibit F) showing all lessors within a two mile radius is attached. The NM State Land Office (NMSLO) is the lessor of all of Section 16. BLM is the lessor of all other lands within two miles.

VI. Forty-one (41) wells have penetrated (38) or will penetrate (3) the planned injection interval (3,100' to 3,900'). Details of these wells are in Exhibit G.

- VII. 1. Average injection rate will be  $\approx$ 500 bwpd.  
 Maximum injection rate will be  $\approx$ 1,000 bwpd.
2. System will be closed. (Forest will lay 1,646.6' of water pipeline from its existing Skelly Unit 29 injection well in SWSW 15-17s-31e).
3. Average injection pressure will be  $\approx$ 1,400 psi  
 Maximum injection pressure will be  $\approx$ 2,500 psi
4. Water source will be produced water from adjacent Forest wells. Forest has  $\approx$ 140 producing wells and  $\approx$ 90 injection wells in T. 17 S., R. 31 E. In essence, the water will be recycled. Two water analyses from Forest's Skelly station headers are attached (Exhibit H). A summary follows:

Where:	<u>Header 1</u>	<u>Header 2</u>
<u>Parameter</u>		
Anion/Cation Ratio	1.0	1.0
Barium	0.1	0.1
Bicarbonate	682.0	729.0
Calcium	2,339.0	2,282.0
Carbonate	0	0
Chloride	73,018.0	75,352.0
Density	1.093	1.092
Iron	4.5	4.0
Magnesium	1,258.0	1,226.0
pH	7.69	7.75
Potassium	733.0	713.0
Sodium	44,251.1	46,059.8
Strontium	54.0	52.0
Sulfate	4,535.0	4,824.0
TDS	126,785	131,242.2

5. The injection zone (Grayburg Jackson interval) is productive. Indeed, that is the project goal - to increase production. The water is unsuitable (see preceding table) for human or animal consumption.

VIII. The Grayburg Jackson interval is a mix of sandstones and dolomites. Formation tops in this well are estimated to be at:

sand dunes: 0'  
Rustler Anhydrite: 389'  
Salado Salt: 574'  
Yates Sandstone: 1,767'  
Seven Rivers: 2,060'  
Bowers: 2,445'  
Queen: 2,666'  
Penrose: 2,844'  
Grayburg Dolomite & Sandstone: 3,040'  
Loco Hills Sandstone & Dolomite: 3,110'  
Metex Dolomite: 3,202'  
Premier Sandstone & Dolomite: 3,317'  
Sand Andres Dolomite: 3,374'  
Lovington Sandstone & Dolomite: 3,502'  
Jackson Dolomite: 3,548'  
Base Jackson Porosity: 3,932'  
Total Depth: 4,100'

There are no water wells within a two mile radius. No existing underground drinking water sources are below the Grayburg Jackson interval within a two mile radius. There will be two salt layers and at least  $\approx 2,711'$  of vertical separation between the highest perforation and the top of the highest salt layer.

IX. The well will be stimulated with an acid and sand frac.

FOREST OIL CORPORATION  
STATE B 13  
760' FSL & 760' FEL  
SEC. 16, T. 17 S., R. 31 E.  
EDDY COUNTY, NEW MEXICO

PAGE 7

X. Array induction or laterlog (depending on mud salinity), neutron/density, spectral gamma ray, and sonic scanner logs will be run from TD to  $\approx 1,700'$ . Copies will be provided to the NMOCD. Comparison logs from three adjacent wells are included as Exhibit I.

XI. There are no water wells within a two mile radius.

XII. Forest is not aware of any geologic or engineering data which may indicate the Grayburg Jackson is in hydrologic connection with any underground sources of water. Injection into the Grayburg Jackson has been occurring since 1965.

XIII. Notice (this application) will be sent to the surface owner (NMSLO), operators of all wells, and lessors (BLM and NM State Land Office) within a half mile. Legal ad (see Exhibit J) was published on June 8, 2008.

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State EDDYse - 4 Copies  
Fee EDDYse - 3 Copies

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-015-</b>	Pool Code <b>28509</b>	Pool Name <b>GRAYBURG JACKSON; SR-Q-G-SA</b>
Property Code <b>37098</b>	Property Name <b>STATE B.</b>	Well Number <b>13</b>
OGRID No. <b>8041</b>	Operator Name <b>FOREST OIL CORPORATION</b>	Elevation <b>3846'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	17-S	31-E		760	SOUTH	760	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p><b>EXHIBIT A</b></p>	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>Brian Wood</i>      7-4-08 Signature      Date</p> <p><b>BRIAN WOOD</b> Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this 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 belief.</i></p>
	<p>Date Surveyed: APRIL 12 2008 LA</p> <p>Signature: <i>Ronald J. Eidson</i> Seal of Professional Surveyor 3239</p>
	<p>Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3239</p>
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=665723.5 N X=642926.9 E</p> <p>LAT.=32.829296° N LONG.=103.868036° W</p>	



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
June 16, 2008

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,  
PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address FOREST OIL CORPORATION 707 17 <sup>TH</sup> STREET, SUITE 3600 DENVER, CO 80202		<sup>2</sup> OGRID Number 8041
		<sup>3</sup> API Number 30-015
<sup>4</sup> Property Code 37098	<sup>5</sup> Property Name STATE B	<sup>6</sup> Well No. 13
<sup>9</sup> Proposed Pool 1 GRAYBURG JACKSON; SR-Q-G-SA		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lotno.	Section	Township	Range	LotIdn	Feet from tie	North/South line	Feet from tie	East/West line	County
P	16	17 S	31 E		760	SOUTH	760	EAST	EDDY

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lotno.	Section	Township	Range	LotIdn	Feet from tie	North/South line	Feet from tie	East/West line	County

Additional Well Information

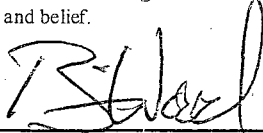
<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code I	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3,846'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4,100'	<sup>18</sup> Formation GRAYBURG	<sup>19</sup> Contractor	<sup>20</sup> Spud Date UPON APPROVAL

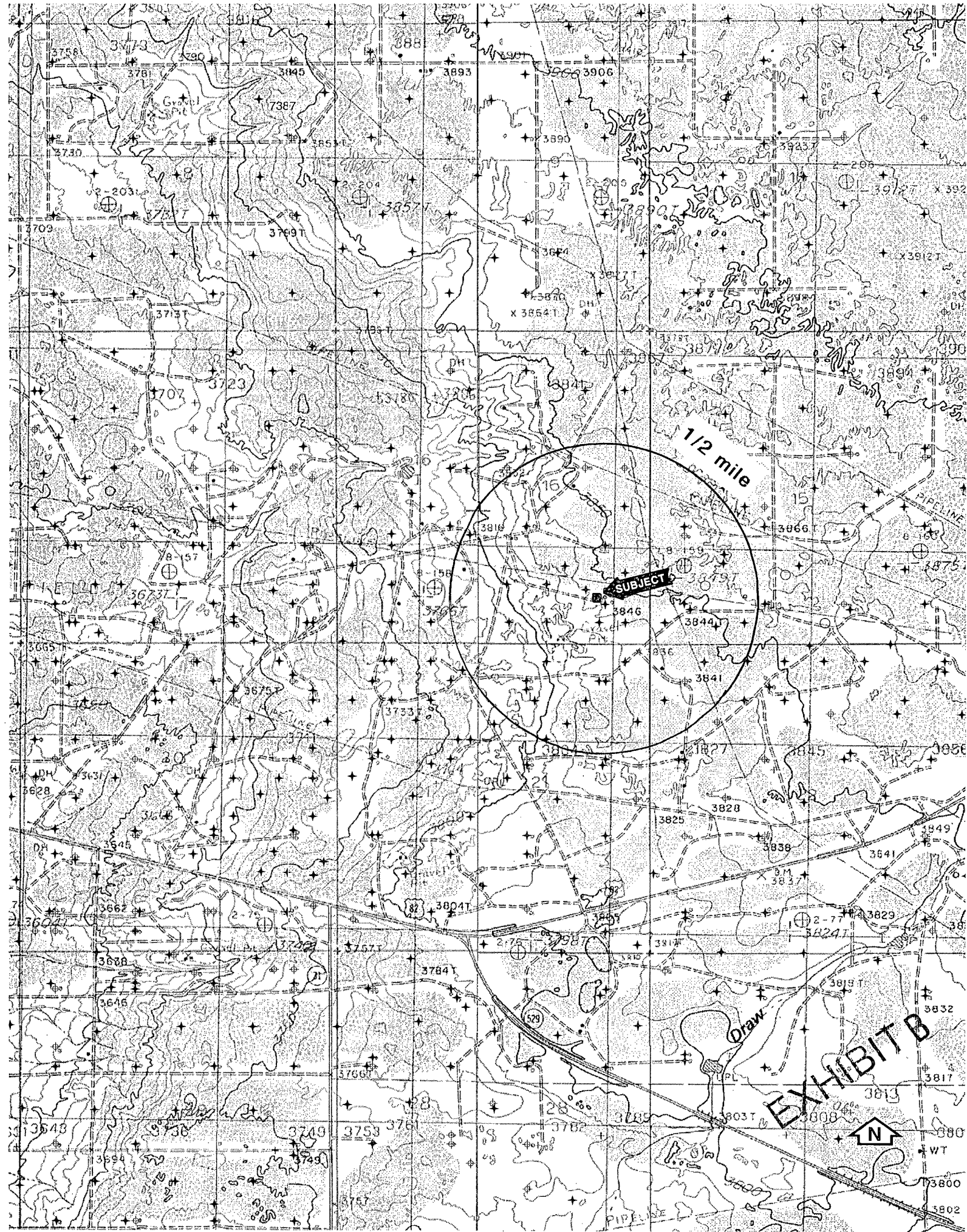
<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24	430'	250	SURFACE
7-7/8"	5-1/2"	17	4,100'	1,250	SURFACE

- <sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.
- <sup>23</sup> Will use Shaffer double ram BOP with 3000 psi working pressure & 5000 psi test pressure
- <sup>24</sup> Will drill surface hole with M-1 gel spud mud (8.4 - 8.8 ppg)
- <sup>25</sup> Will drill long string hole with brine water (9.9-10.0 ppg) & salt gel / My LO gel (10.0-10.2 ppg)
- <sup>26</sup> Will file C-144 under separate cover

**EXHIBIT A**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION	
Signature: 	Approved by:	
Printed name: BRIAN WOOD	Title:	
Title: CONSULTANT	Approval Date:	Expiration Date:
E-mail Address: brian@permitswest.com		
Date: 7-4-08	Phone: 505 466-8120	Conditions of Approval Attached <input type="checkbox"/>



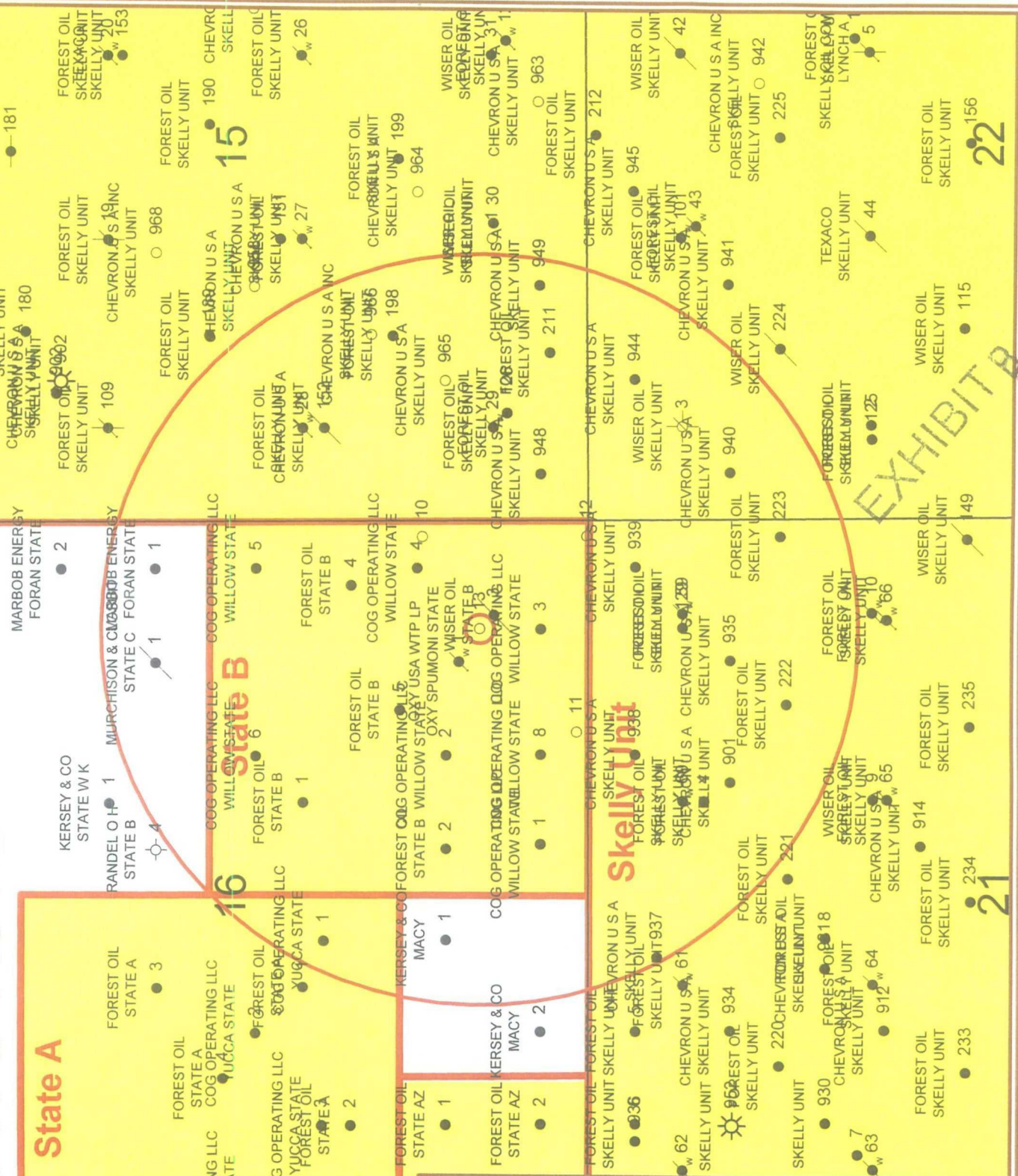
SUBJECT

1/2 mile

EXHIBIT B



# T17S-R31E



**State A**

**State B**

**Skelly Unit**



Western Region

New Mexico

Grayburg Jackson Field

Forest State B #13

T-17-S, R-31-E, Eddy County, NM

POSTED WELL DATA  
Hgt Operator  
Lease

Well Number

REMARKS

Red Concentric Circles:  
Around Subject Well  
1/2 Mile From Subject Well

Map Scale: 1" = 1,000'

By: Vic Smith  
April 23, 2008

# Foran State #1

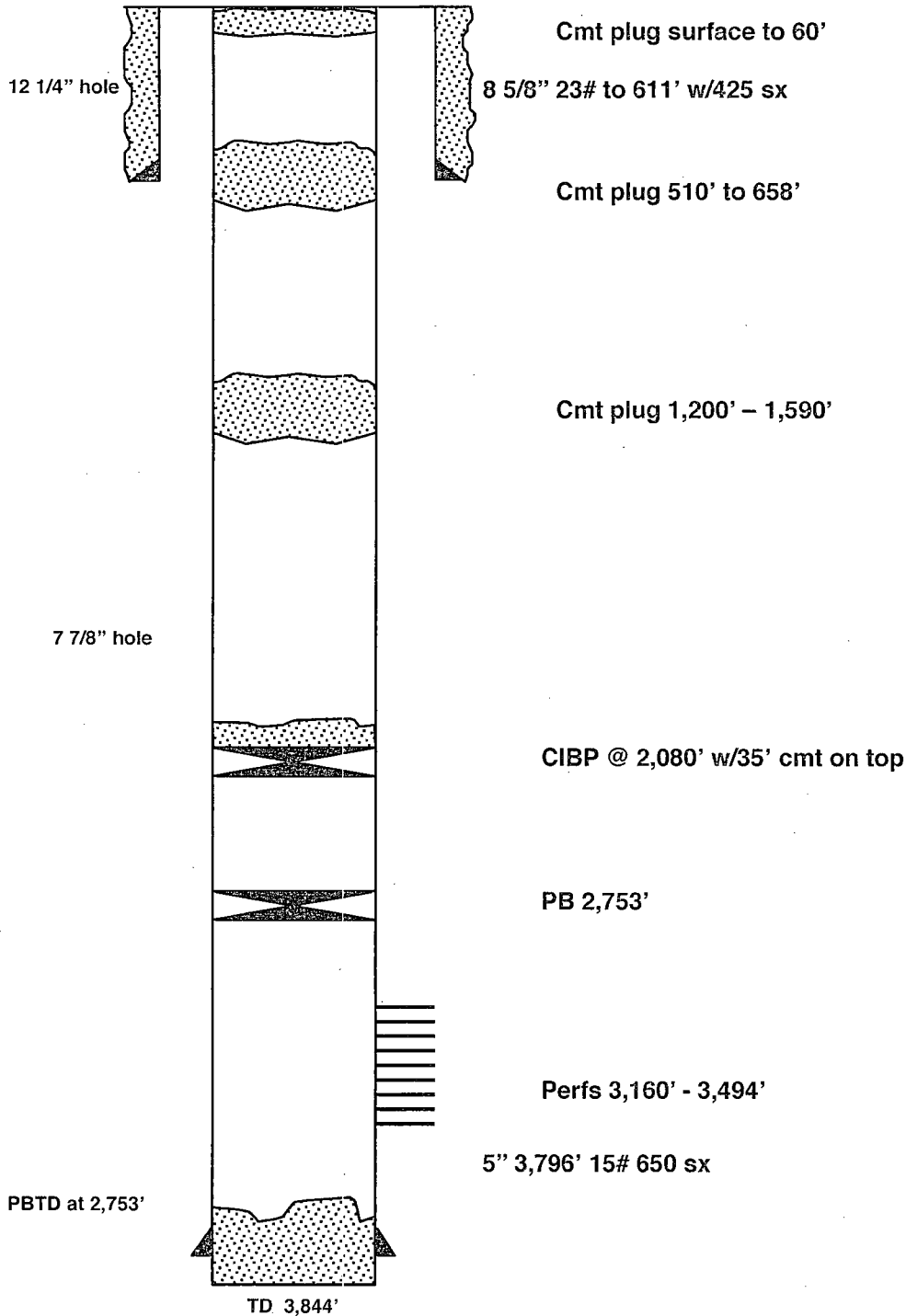
Eddy County, NM

JWR 04/25/08

Completed 08/22/1989

Current Status

GL = 3,860'



Sec 16, T17S, R31E  
2,310 FNL and 330' FEL  
API# 30-015-26098

EXHIBIT C

# Skelly Unit #3

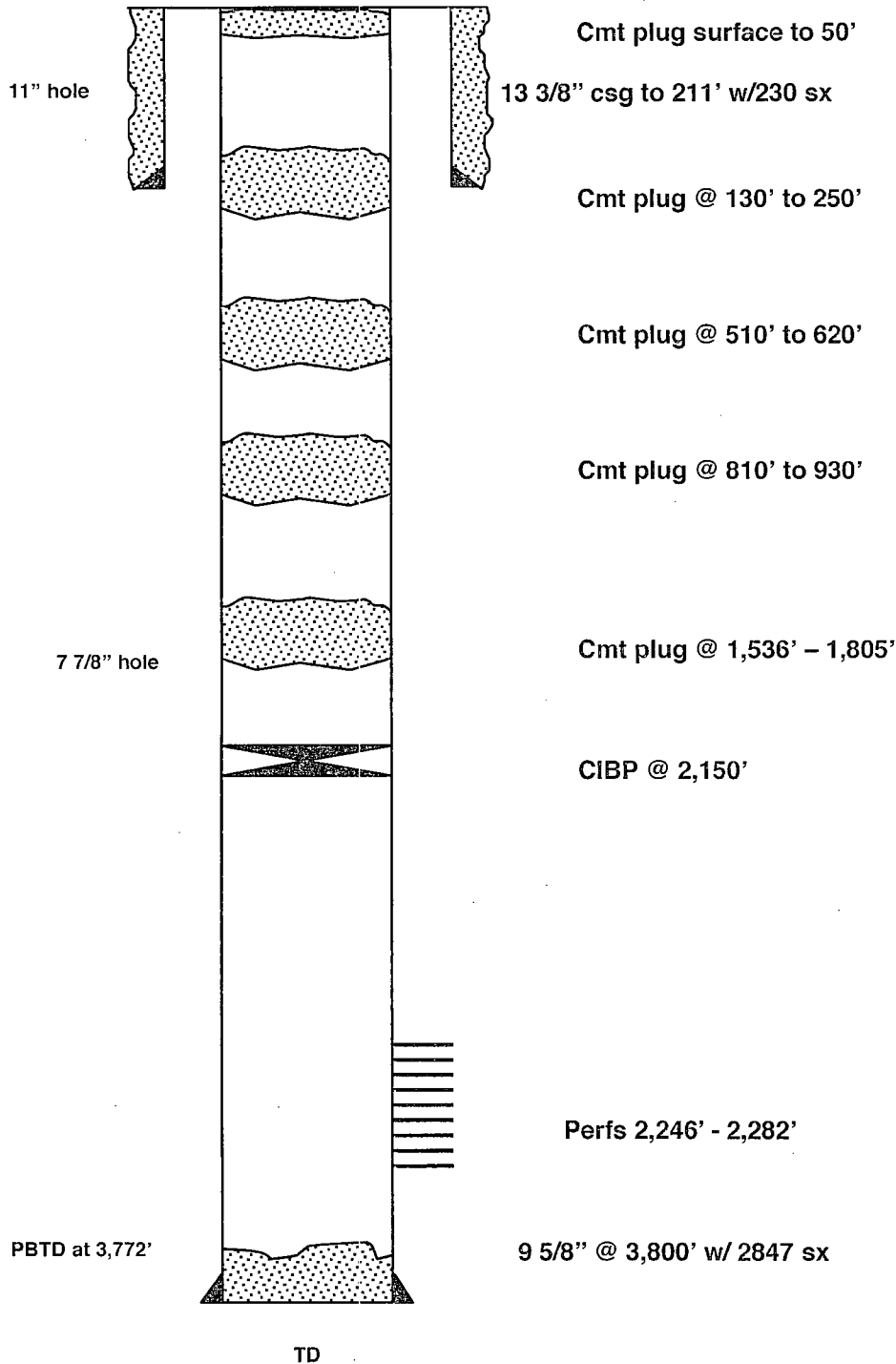
Eddy County, NM

JWR 04/25/08

Completed 01/15/1954

Current Status

GL = 3,865'



Sec 22, T17S, R31E  
660 FNL and 660' FWL  
API# 30-015-05347

EXHIBIT C

# State B #3

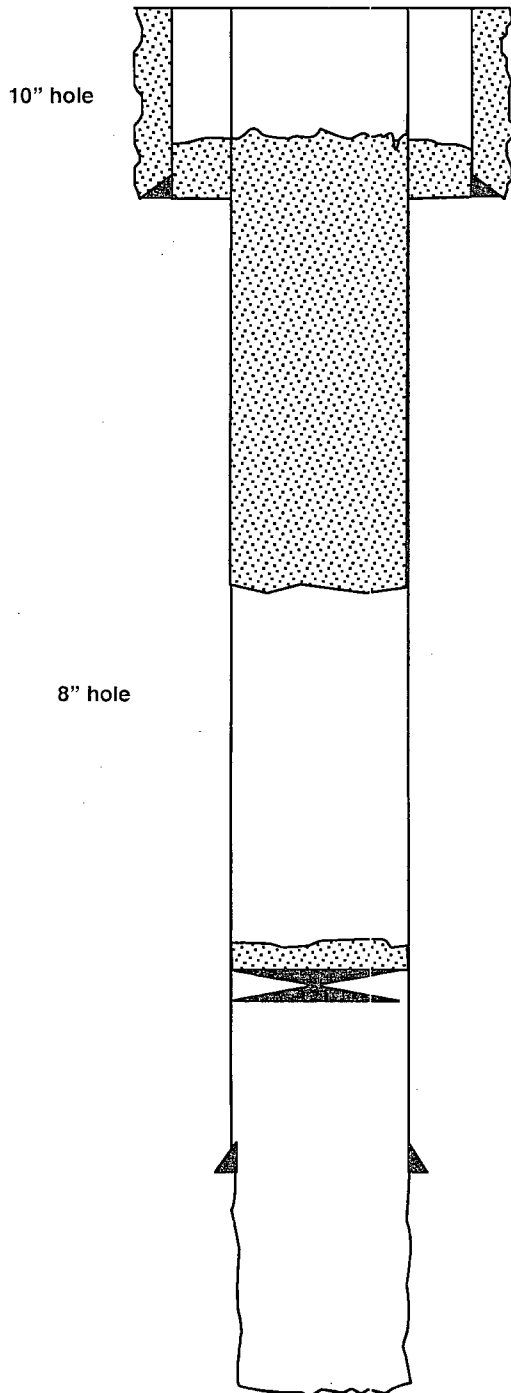
Eddy County, NM

JWR 04/30/08

Completed 5/31/1944

Current Status

GL = 3,483'



Pump 150 sx in 8 5/8" - 7" annulus

Pump 250 sx in 7" csg

8 5/8" 23# to 600' w/50 sx

Cmt plug @ 400' to 1,450'

Sec 16, T17S, R31E

600 FSL and 660'

FEL

API# 30-015-05172

PB 2,000'

CIBP @ 2,250' w/ 50 sx on top

7" to 3,154' w/100 sx

TD 3,689'

EXHIBIT C

# State C #1

Eddy County, NM

JWR 04-25-08

Completed 09/10/1937

Current Status

GL = 3,870'

Sec 16, T17-S, R31-E

2,310 FNL, 990 FEL

API #30-015-05174

Field Grayburg Jackson

11" hole  
to 630'

7" csg to 110' w/ 30 sx

8 5/8" top @ 106' bottom @ 630' w/50 sx

8" hole to 3,748'

Top of 7" csg @ 1,250'

sqz perfs @ 1,407' pump 385 sx to surface

TOC 2,395 on 2 7/8" tubing

TOC 2,337 on 7" csg

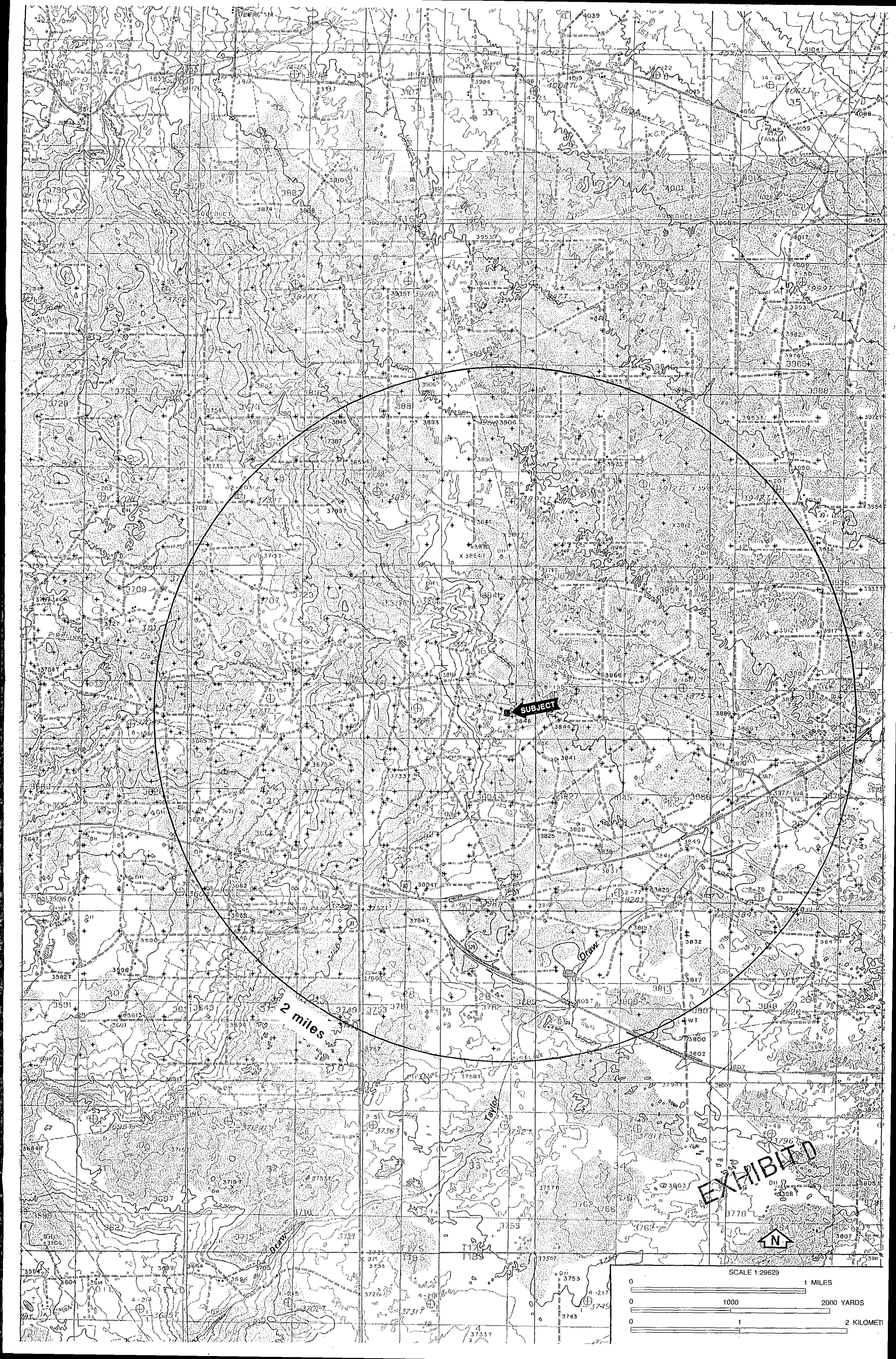
7" csg to 3,290' w/150 sx

PBTD 3,529'

2 7/8" @ 3,733' w/300 sx

TD 3,738'

EXHIBIT C



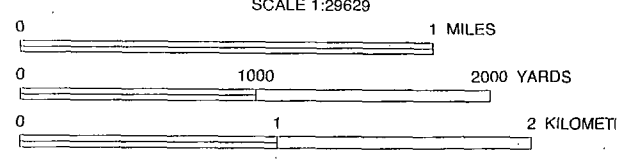
**SUBJECT**

2 miles

**EXHIBIT**



SCALE 1:29629



0  
0  
0  
0

1 MILES  
2000 YARDS  
2 KILOMETERS



LEASES

BO-3015-0008

VA-0665-0000

BO-3014-0007

BO-8571-0002

BO-2613-0007

SUBJECT

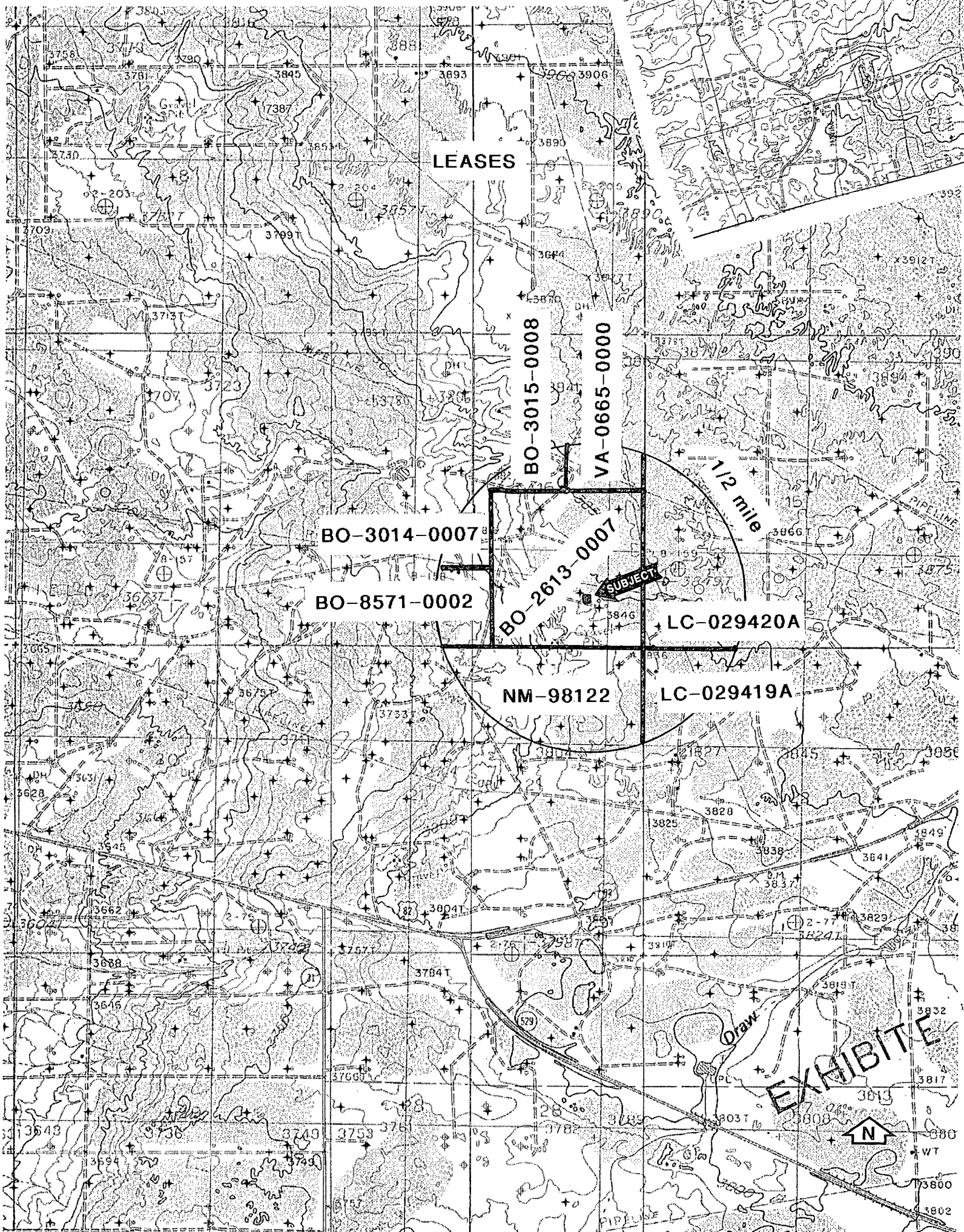
LC-029420A

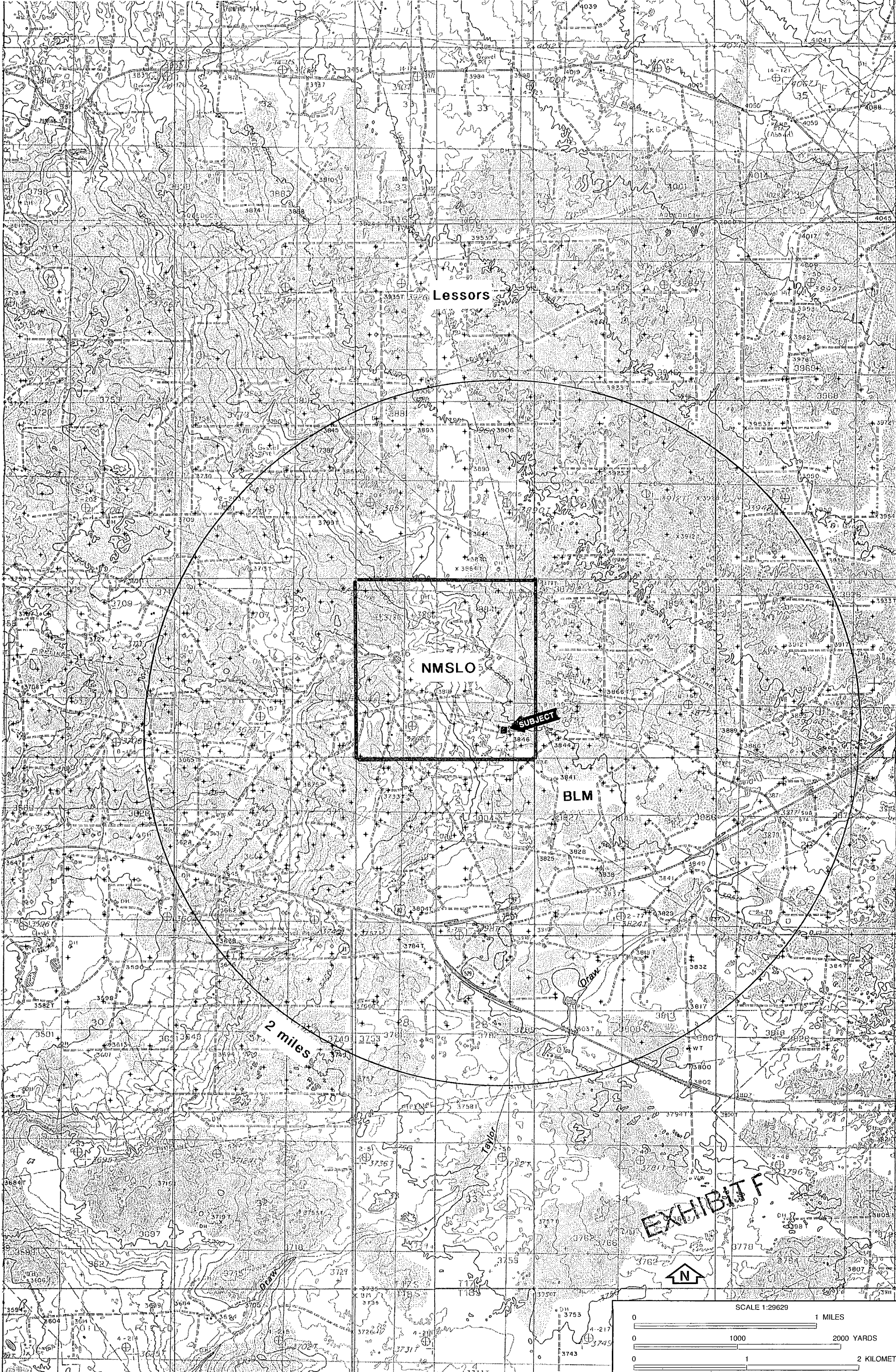
NM-98122

LC-029419A

1 1/2 mile

EXHIBITE





Lessors

NMSLO

SUBJECT

BLM

2 miles

Draw

EXHIBIT F



SCALE 1:29629

1 MILES

1000 2000 YARDS

1 2 KILOMETR

# TABULATION OF WELLS WITHIN AREA OF REVIEW

API	OPERATOR NAME	LEASE NAME	NUM	CURRENT STATUS	DRILLER TD	GROUND	KB	ELEV	TWP	N/S	RNG	E/W	SEC	N/S	FTG	N/S	DIR	E/W	FTG	EMW	DIR	SPUD DATE	COMP DATE	ABND DATE	
30015359630000	CHEVRON U.S.A. INC.	SKELLY UNIT	966	LOCATION PERMITTED				3858	17 S	31 E	15	1500	FSL	1310	FWL										
30015224950000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	152	P&A - OIL			2550	3863	17 S	31 E	15	1830	FSL	660	FWL							19780722	19780909	19900928	
30015293250000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	901	OIL			9200	3798	17 S	31 E	21	990	FNL	1850	FEL							19970723	19980108		
30015319770000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	935	OIL			5446	3820	17 S	31 E	21	990	FNL	990	FEL							20020308	20020423		
30015325960000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	937	OIL			5305	3776	17 S	31 E	21	480	FNL	2185	FWL							20030321	20030520		
30015325970000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	938	OIL			5410	3801	17 S	31 E	21	330	FNL	1650	FEL							20030603	20030817		
30015325980000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	939	OIL			5360	3834	17 S	31 E	21	330	FNL	330	FEL							20030618	20030716		
30015325990000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	940	OIL			5421	3833	17 S	31 E	22	990	FNL	330	FWL							20030907	20031214		
30015329630000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	944	OIL			5450	3845	17 S	31 E	22	330	FNL	990	FWL							20031210	20040209		
30015329670000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	948	OIL			5350	3842	17 S	31 E	15	330	FSL	330	FWL							20050201	20050314		
30015329680000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	949	OIL			5350	3855	17 S	31 E	15	330	FSL	1650	FWL							20050206	20050330		
30015348470000	CHEVRON U.S.A. INCORPORATED	SKELLY UNIT	965	OIL			5370	3849	17 S	31 E	15	990	FSL	990	FWL							20060517	20060812		
30015288800000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	1	OIL			8990	3794	17 S	31 E	16	330	FSL	2280	FEL							19960328	19960615		
30015328640000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	2	OIL			6505	3831	17 S	31 E	16	990	FSL	1650	FEL							20030407	20030527		
30015296090000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	3	OIL			5507	3839	17 S	31 E	16	330	FSL	760	FEL							19970525	19971014		
30015328440000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	4	OIL			5405	3851	17 S	31 E	16	1190	FSL	330	FEL							20030701	20030813		
30015294950000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	5	OIL			8700	3858	17 S	31 E	16	2310	FSL	330	FEL							19970501	19970511		
30015296090000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	6	OIL			5460	3844	17 S	31 E	16	2310	FSL	1650	FEL							19970531	19971120		
30015345590000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	8	OIL			6310	3814	17 S	31 E	16	330	FSL	1650	FEL							20060209	20060330		
30015292650000	COG OPERATING LIMITED LIABILITY CORP.	YUCCA STATE	1	OIL			5435	3802	17 S	31 E	16	1837	FSL	2310	FWL							19961124	19970107		
30015052900000	FOREST OIL CORPORATION	SKELLY UNIT	4	OIL			2227	3827	17 S	31 E	21	810	FNL	1980	FEL							19501007	19501116		
30015051560000	FOREST OIL CORPORATION	SKELLY UNIT	28	WI			3714	3868	17 S	31 E	15	1980	FSL	660	FWL							19610130	19610317		
30015051510000	FOREST OIL CORPORATION	SKELLY UNIT	29	WI			3717	3871	17 S	31 E	15	660	FSL	660	FWL							19440822	19441231		
30015053200000	FOREST OIL CORPORATION	SKELLY UNIT	59	WI			3671	3871	17 S	31 E	21	660	FNL	660	FEL							19431109	19440314		
30015053180000	FOREST OIL CORPORATION	SKELLY UNIT	60	WI			3638	3838	17 S	31 E	21	660	FNL	1980	FEL							19430519	19430823		
30015222600000	FOREST OIL CORPORATION	SKELLY UNIT	126	OIL			2531	3843	17 S	31 E	15	560	FSL	760	FWL							19771018	19771109		
30015222630000	FOREST OIL CORPORATION	SKELLY UNIT	129	OIL			2505	3826	17 S	31 E	21	660	FNL	760	FEL							19770928	19771014		
30015290130000	FOREST OIL CORPORATION	SKELLY UNIT	198	OIL			4000	3863	17 S	31 E	15	1354	FSL	1300	FWL							19960825	19970103		
30015290920000	FOREST OIL CORPORATION	SKELLY UNIT	211	OIL			4000	3852	17 S	31 E	15	259	FSL	1181	FWL							19960831	19970128		
30015288940000	FOREST OIL CORPORATION	SKELLY UNIT	222	OIL			3900	3832	17 S	31 E	21	1380	FNL	1300	FEL							19960930	19970104		
30015289640000	FOREST OIL CORPORATION	SKELLY UNIT	223	OIL			3982	3844	17 S	31 E	21	1340	FNL	120	FEL							19960606	19960817		
30015051700000	FOREST OIL CORPORATION	STATE B	1	OIL			3707	3833	17 S	31 E	16	1980	FSL	1930	FEL							19370306	19370609		
30015051710000	FOREST OIL CORPORATION	STATE B	2	OIL			3645	3845	17 S	31 E	16	990	FSL	2310	FEL							19401105	19410113		
30015051730000	FOREST OIL CORPORATION	STATE B	4	OIL			3782	3826	17 S	31 E	16	1650	FSL	660	FEL							19600822	19610715		
30015328740000	FOREST OIL CORPORATION	STATE B	5	OIL			3900	3838	17 S	31 E	16	1310	FSL	1330	FEL							20040306	20040621		
30015362540000	FOREST OIL CORPORATION	STATE B	10	LOCATION PERMITTED					17 S	31 E	16	1155	FSL	110	FEL										
30015362550000	FOREST OIL CORPORATION	STATE B	11	LOCATION PERMITTED					17 S	31 E	16	80	FSL	1485	FEL										
30015362560000	FOREST OIL CORPORATION	STATE B	12	LOCATION PERMITTED					17 S	31 E	16	10	FSL	110	FEL										
30015051670000	KERSEY & COMPANY	MACY	1	OIL			3571	3844	17 S	31 E	16	990	FSL	2310	FWL							19400509	19400804		
30015260980000	MARBON ENERGY CORPORATION	FORAN STATE	1	P&A - OIL			3844	3860	17 S	31 E	16	2310	FNL	330	FEL							19980424	19980822	20000412	
30015330890000	MARBON ENERGY CORPORATION	OXY-SPURMONI STATE	1	SWD			12200	3844	17 S	31 E	16	900	FSL	990	FEL							20031218	20040202		
30015051740000	MURCHISON & CLOSUIT	STATE C	1	P&A - OIL			3749	3849	17 S	31 E	16	2310	FNL	990	FEL							19370617	19370910	19531109	
30015053470000	WISER OIL COMPANY THE	SKELLY UNIT	3	P&A - WI			13198	3838	17 S	31 E	22	660	FNL	660	FWL							19530612	19540115	20011227	
30015051720000	WISER OIL COMPANY THE	STATE B	3	P&A - OIL			3670	3870	17 S	31 E	16	660	FSL	660	FEL							19440321	19440531	20040105	

EXHIBIT G

**TABULATION OF WELLS WITHIN AREA OF REVIEW**

API	IP PROD FORM N	IP OIL	IP GAS	IP WTR	IP TOP	IP BASE	CSG SIZE 1	CSG SIZE 2	CSG SIZE 3	CSG DEPTH 1	CSG DEPTH 2	CSG DEPTH 3	FIRST PROD LAST PROD	RESV	ONSHORE	FIELD NAME	PRODUCT NAME	
30015359630000																		
30015224950000	2	8	2278	2401	8 5/8 IN	569	5 1/2 IN	2549		19781201	19900831	SEVEN RIVERS	FREN			FREN	CRUDE OIL	
30015293290000	33	166	295	4820	5154 11 3/4 IN	605	8 5/8 IN	4800	5 1/2 IN	1971201	20071130	PADDOCK	FREN			FREN	GAS	
30015319770000	85	141	171	4841	5164 13 3/8 IN	462	8 5/8 IN	1646	5 1/2 IN	20020401	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015325960000	57	74	113	4938	5091 13 3/8 IN	548	8 5/8 IN	1651	5 1/2 IN	20030401	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015325970000	87	320	93	4870	5142 13 3/8 IN	461	8 5/8 IN	1523	5 1/2 IN	20030701	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015325980000	52	59	353	4893	5173 13 3/8 IN	460	8 5/8 IN	1637	5 1/2 IN	20030701	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015325990000	88	114	111	4907	5212 13 3/8 IN	451	8 5/8 IN	1645	5 1/2 IN	20031101	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015329630000	78	116	238	4931	5224 13 3/8 IN	496	8 5/8 IN	1649	5 1/2 IN	20040101	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015329670000	64	68	400	4947	5215 13 3/8 IN	460	8 5/8 IN	1832	5 1/2 IN	20050301	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015329680000	59	66	355	4969	5245 13 3/8 IN	464	8 5/8 IN	1829	5 1/2 IN	20050301	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015346470000	50	100	300	5007	5216 13 3/8 IN	426	8 5/8 IN	1809	5 1/2 IN	20060601	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015288800000	27	53	125	5005	5099 13 3/8 IN	345	8 5/8 IN	3000	5 1/2 IN	19960601	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015286640000	71	112	300	4959	5213 13 3/8 IN	305	9 5/8 IN	1738	5 1/2 IN	20030501	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015296060000	77	148	325	4966	5201 8 5/8 IN	547	5 1/2 IN	5497		19971001	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015328440000	42	64	300	5012	5257 13 3/8 IN	300	9 5/8 IN	1701	5 1/2 IN	20030701	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015294950000	80	157	435	5042	5254 13 3/8 IN	343	8 5/8 IN	1625	5 1/2 IN	19970601	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015296090000	64	77	320	5002	5196 8 5/8 IN	466	5 1/2 IN	5457		19971101	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015348590000	76	121	250	5380	5845 13 3/8 IN	447	8 5/8 IN	1630	5 1/2 IN	20060301	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015292650000	42	50	432	4956	5130 13 3/8 IN	307	8 5/8 IN	1778	5 1/2 IN	19981201	20071130	PADDOCK	FREN			FREN	CRUDE OIL	
30015053290000	23		1970	2227	8 5/8 IN	611	7 IN	1970		19940101	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	CRUDE OIL	
30015051560000	320		3819	3714	8 5/8 IN	722	5 1/2 IN	3619		19630101	19970430	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	OIL AND INJECTION	
30015051510000	15		3091	3438	8 5/8 IN	639	7 IN	3091		19960430	19960430	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	OIL AND INJECTION	
30015053200000	50		3011	3654	8 IN	667	7 IN	3011		19970331	19970331	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	OIL AND INJECTION	
30015053190000	97		2948	3618	8 5/8 IN	640	7 IN	2948		19970630	19970630	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	OIL AND INJECTION	
30015222600000	27		2222	2366	8 5/8 IN	575	5 1/2 IN	2531		19940101	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015222630000	38		2178	2317	8 5/8 IN	587	5 1/2 IN	2505		19940101	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	CRUDE OIL	
30015290130000	53	46	50	3252	3748 8 5/8 IN	443	5 1/2 IN	4000		19961201	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015290920000	54	59	56	3385	3777 8 5/8 IN	436	5 1/2 IN	4000		19961201	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015288940000	67	146	166	3169	3775 8 5/8 IN	441	5 1/2 IN	3900		19961201	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015288640000	50	9	10	3199	3723 8 5/8 IN	452	5 1/2 IN	3982		19960801	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015051700000	120		3150	3704	8 1/4 IN	633	7 IN	3150		20071130	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015051710000	65		2998	3645	8 1/4 IN	585	7 IN	2998		20071130	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015051730000	51	6	3183	3712	8 5/8 IN	612	5 1/2 IN	3184		20071130	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015328740000	20	13	156	3152	3718 8 5/8 IN	410	5 1/2 IN	3900		20040501	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	CRUDE OIL	
30015362540000																		
30015362550000																		
30015362560000																		
30015051670000	67		2945	3571	8 5/8 IN	633	7 IN	2945		20071130	20071130	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG-JACKSON	CRUDE OIL	
30015260980000	85	1	3160	3494	8 5/8 IN	611	5 IN	3796		19890801	20000229	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	
30015330890000																		
30015051740000	60		3290	3742	8 IN	630	7 IN	3290										
30015053470000	196	413	11962	11982	13 3/8 IN	211	7 IN	3800	13127	19740331	19740331	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	OIL AND INJECTION	
30015051720000	90		3165	3670	8 1/4 IN	600	7 IN	3165		20021231	20021231	SEVEN RIVERS	QUEEN-GRAYBURG-SAN ANDRES			GRAYBURG JACKSON	CRUDE OIL	

North Permian Basin Region  
P.O. Box 740  
Sundown, TX 79372-0740  
(806) 229-8121  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	FOREST OIL COMPANY	Sales RDT:	44219
Region:	PERMIAN BASIN	Account Manager:	TODD WARREN (575) 390-1686
Area:	MONUMENT, NM	Sample #:	338788
Lease/Platform:	MONUMENT FIELD	Analysis ID #:	83357
Entity (or well #):	SKELLY A WATER STATION	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	HEADER 1		

Summary		Analysis of Sample 338788 @ 75 °F					
Sampling Date:	07/01/08	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	07/02/08	Chloride:	73018.0	2059.57	Sodium:	44251.1	1924.81
Analyst:	STACEY SMITH	Bicarbonate:	682.0	11.18	Magnesium:	1258.0	103.49
TDS (mg/l or g/m3):	126875	Carbonate:	0.0	0.	Calcium:	2339.0	116.72
Density (g/cm3, tonne/m3):	1.093	Sulfate:	4535.0	94.42	Strontium:	54.0	1.23
Anion/Cation Ratio:	1	Phosphate:			Barium:	0.1	0.
Carbon Dioxide:		Borate:			Iron:	4.5	0.16
Oxygen:		Silicate:			Potassium:	733.0	18.75
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		7.69	Copper:		
		pH used in Calculation:		7.69	Lead:		
					Manganese:	0.300	0.01
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.49	75.91	0.02	66.61	0.01	23.24	0.13	9.29	0.51	0.00	0.11
100	0	1.43	83.34	-0.04	0.00	0.02	46.16	0.11	7.75	0.32	0.00	0.21
120	0	1.38	91.09	-0.08	0.00	0.05	135.39	0.10	7.13	0.16	0.00	0.35
140	0	1.36	99.14	-0.12	0.00	0.11	274.19	0.10	7.13	0.01	0.00	0.55

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

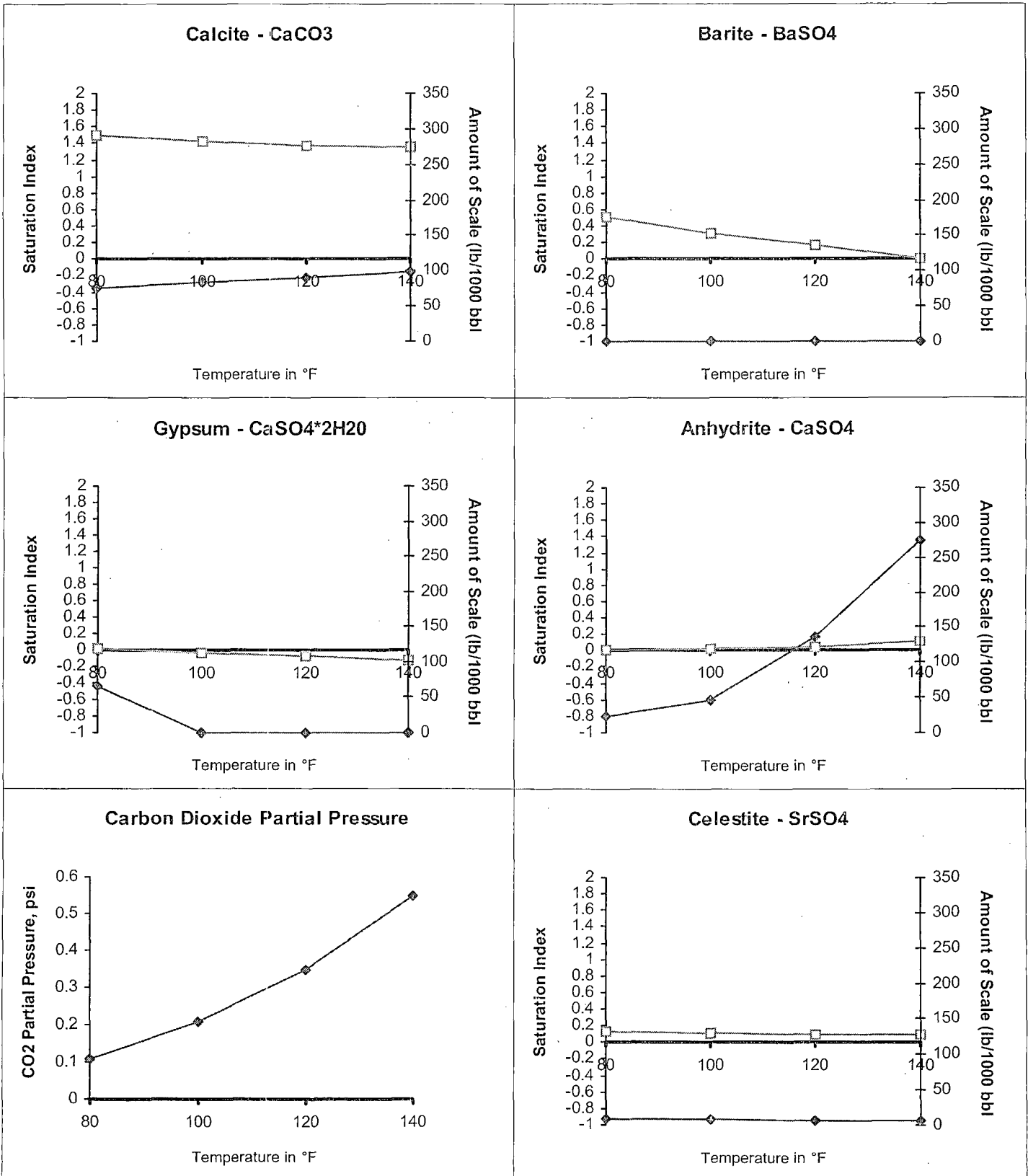
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

EXHIBIT H

# Scale Predictions from Baker Petrolite

Analysis of Sample 338788 @ 75 °F for FOREST OIL COMPANY, 07/02/08



North Permian Basin Region  
P.O. Box 740  
Sundown, TX 79372-0740  
(806) 229-8121  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company: FOREST OIL COMPANY	Sales RDT: 44219
Region: PERMIAN BASIN	Account Manager: TODD WARREN (575) 390-1686
Area: MONUMENT, NM	Sample #: 338789
Lease/Platform: MONUMENT FIELD	Analysis ID #: 83358
Entity (or well #): SKELLY A WATER STATION	Analysis Cost: \$80.00
Formation: UNKNOWN	
Sample Point: HEADER 2	

Summary		Analysis of Sample 338789 @ 75 °F					
		<b>Anions</b>	mg/l	meq/l	<b>Cations</b>	mg/l	meq/l
Sampling Date:	07/01/08	Chloride:	75352.0	2125.41	Sodium:	46059.8	2003.49
Analysis Date:	07/02/08	Bicarbonate:	729.0	11.95	Magnesium:	1226.0	100.86
Analyst:	STACEY SMITH	Carbonate:	0.0	0.	Calcium:	2282.0	113.87
TDS (mg/l or g/m3):	131242.2	Sulfate:	4824.0	100.44	Strontium:	52.0	1.19
Density (g/cm3, tonne/m3):	1.092	Phosphate:			Barium:	0.1	0.
Anion/Cation Ratio:	1	Borate:			Iron:	4.0	0.14
Carbon Dioxide:		Silicate:			Potassium:	713.0	18.23
Oxygen:		Hydrogen Sulfide:			Aluminum:		
Comments:		pH at time of sampling:			Chromium:		
		pH at time of analysis:		7.75	Copper:		
		pH used in Calculation:		7.75	Lead:		
					Manganese:	0.300	0.01
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	1.57	84.19	0.03	108.24	0.02	62.60	0.13	8.94	0.53	0.00	0.11
100	0	1.49	92.21	-0.03	0.00	0.03	81.10	0.11	7.40	0.34	0.00	0.2
120	0	1.43	100.22	-0.08	0.00	0.06	167.14	0.10	6.78	0.17	0.00	0.34
140	0	1.40	108.86	-0.11	0.00	0.12	303.14	0.09	6.78	0.02	0.00	0.55

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.  
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.  
Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

EXHIBIT H

# Scale Predictions from Baker Petrolite

Analysis of Sample 338789 @ 75 °F for FOREST OIL COMPANY, 07/02/08

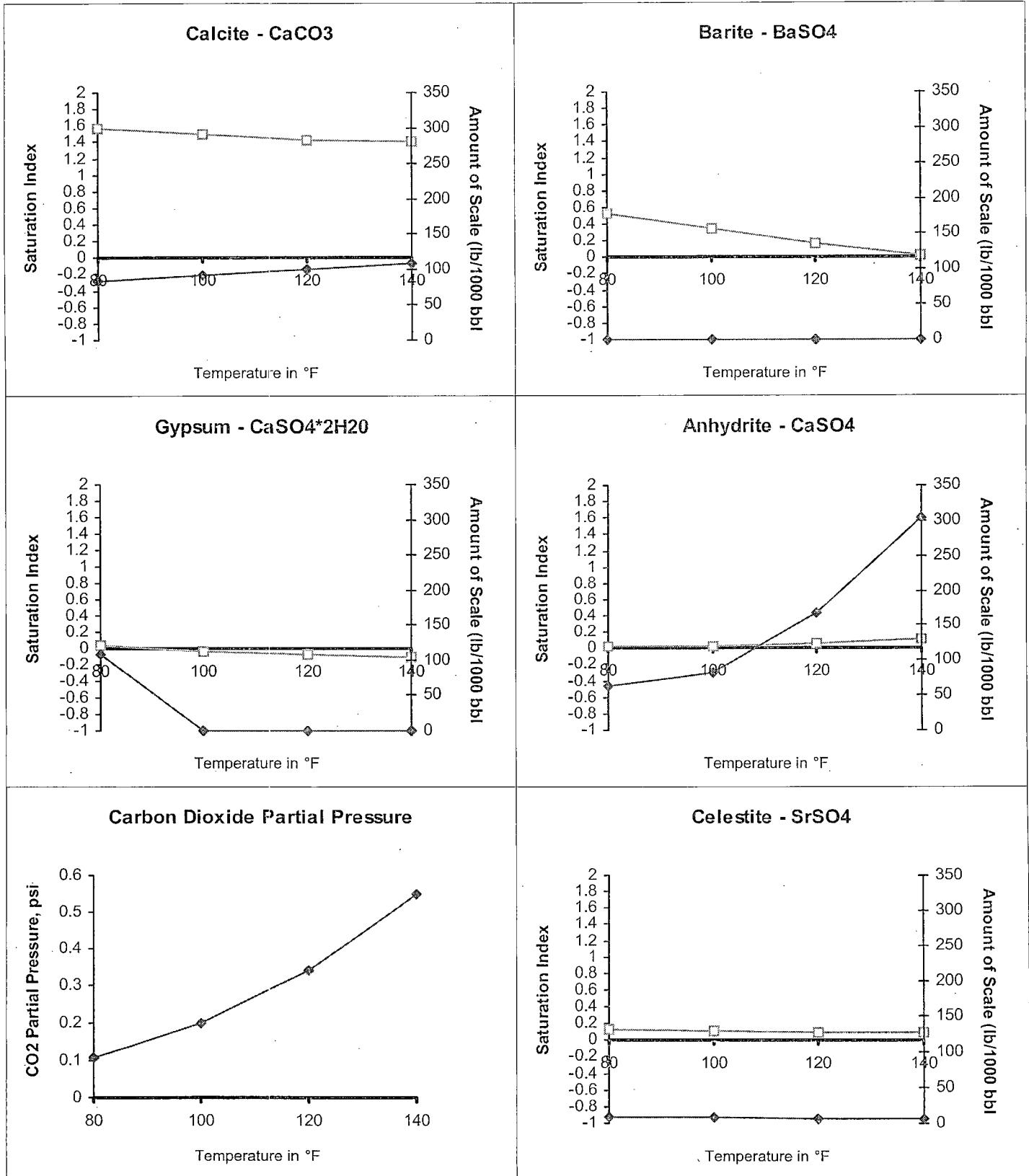


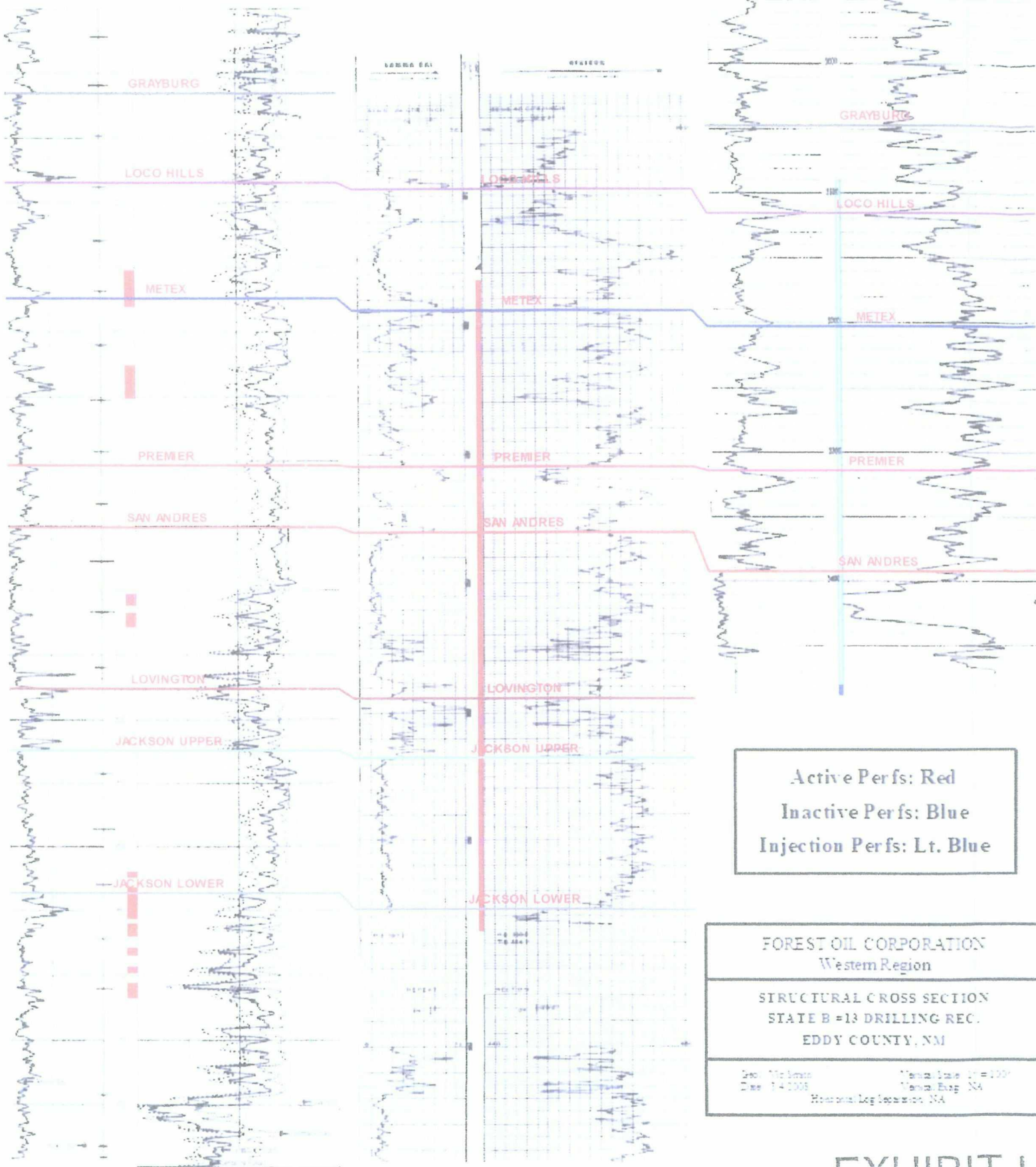
EXHIBIT H



STATE B 5

STATE B 3

SKELLY UNIT 29





Western Region

Grayburg-Jackson Field Area

State B #13 Drilling Rec.

San Andres Structure

T-17-S, R-31-E, Eddy County, NM

POSTED WELL DATA

WELLS: -ASSAD(VOS)(SS) ● Wellhead WELL-CPUO\_DATE TO

○ POSTED WELLS

○ SUBJECT WELLS

○ CROSS SECTION

○ NON-FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

○ FOREST WELLS

# EXHIBIT I

# 16 State B

# Skelly Unit

## 450

## 500

State B-1  
485 3/6/1937  
3,707  
308,290

State B-2  
489 11/5/1940  
3,645  
217,366

State B-5  
454 3/6/2004  
3,900  
9,193

State B-4  
466 8/22/1960  
3,782  
134,793

State B-3  
410 3/21/1944  
3,667  
288,321

SU 28 1/30/1961  
3,514  
7/22/1978  
2,550  
2,020

SU 29 8/22/1944  
3,468  
10/18/71  
2,539  
43,585  
17,332  
135,575

451

SU 3 6/12/1953  
13,127  
73,782  
21,772

SU 129 9/28/1977  
2,505  
507 1/9/1943  
3,656  
107,382  
26,033  
147,179

SU 60 5/19/1943  
3,658  
107/1950  
2,227  
101,863  
15,070

SU 5 8/24/1949  
2,165  
80,122  
86,164  
190,656

SU 61 6/30/1942  
3,588

State B 12

State B 10

State B 1

By: *[Signature]*  
March 4, 2008

**Affidavit of Publication**

State of New Mexico,  
County of Eddy, ss.

**Kathy McCarroll**, being first duly sworn,  
on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

June 8, 2008  
Forest Oil Corporation is applying to drill its State B-13 water injection well at 760 FSL & 760 FEL Section 16, T. 17 S., R. 31 E., Eddy County. Water injection will be into the Loco Hills, Melex, Premier, San Andres, Lovington, Upper Jackson, and Lower Jackson formations from approximately 3,100' to 3,900' at a maximum rate of 1,000 barrels of water per day and at a maximum surface pressure of 2,500 psi. Interested parties must file objections or requests for hearing with the NMOil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120.

June 8 2008

That the cost of publication is \$ 35.85 that Payment Thereof has been made and will be assessed as court costs.

*Kathy McCarroll*

Subscribed and sworn to before me this

10<sup>th</sup> day of June, 2008

*Stephanie Dobson*

My commission Expires on 1/25/2010

Notary Public

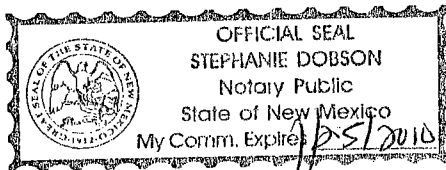


EXHIBIT J

PROPOSED ADVERTISEMENT

Case No. 14157 : **Application of Forest Oil Corp. for approval of a secondary recovery project, Eddy County, New Mexico.** Applicant seeks approval of a lease secondary recovery project in the Grayburg-Jackson Pool by the injection of water into one well located on State Lease B-2613-7, covering the SE/4 of Section 16, Township 17 South, Range 31 East, N.M.P.M. The project is located approximately 6.5 miles east-northeast of Loco Hills, New Mexico.

RECEIVED  
2008 JUL 10 PM 1 23