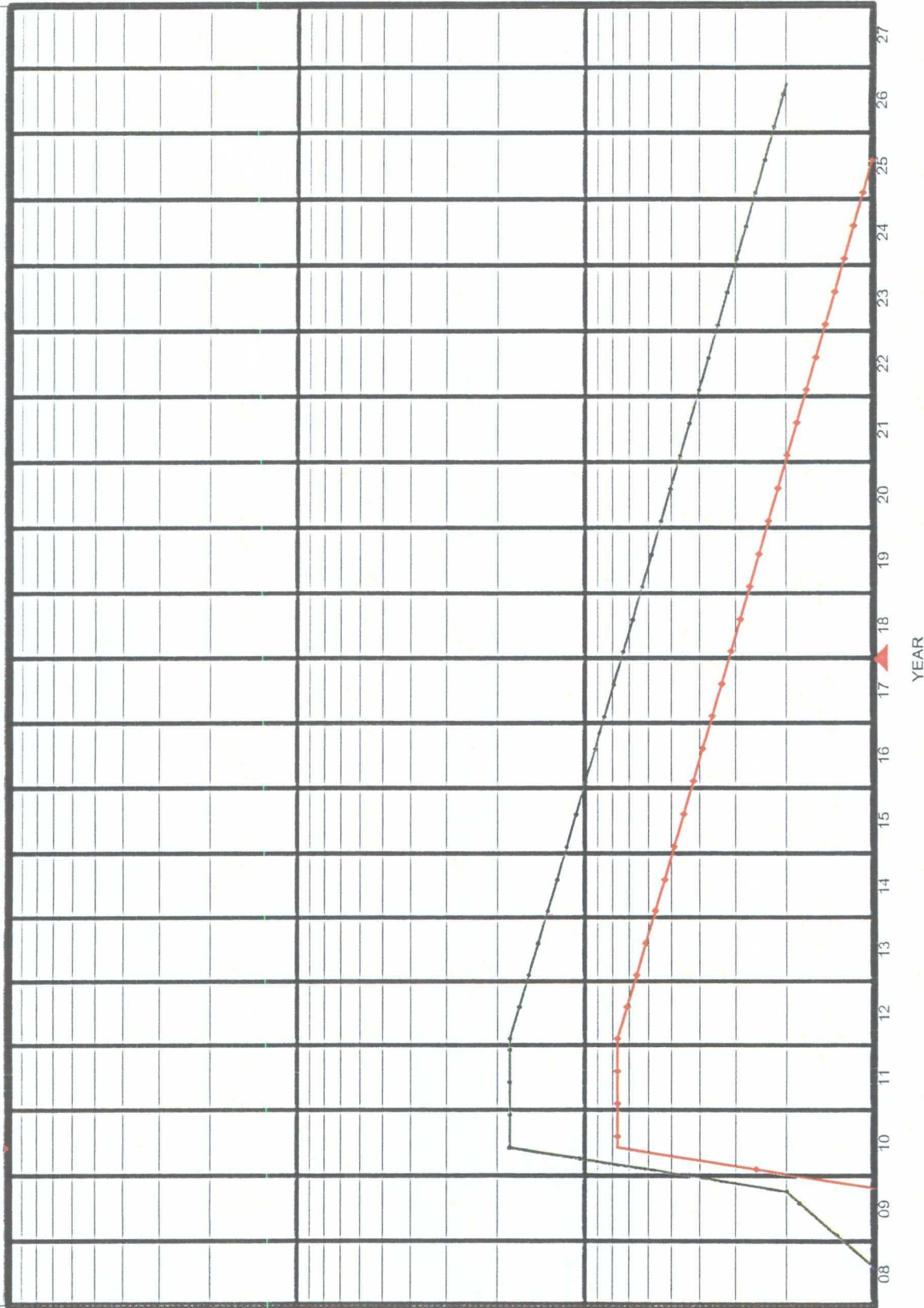


LEASE: STATE B #13
 RESCAT: PROVED UNDEVELOPED
 FIELD: GRAYBURG JACKSON RESVR: SEVEN RIVERS QUEEN-G
 STATE: NM COUNTY: EDDY
 OPER: FOREST OIL CORPORATION SN: 7731
 PN: WISER1003641 LC:

GAS - MCF / DAY
 OIL - BBL / DAY



GAS - MCF		OIL - BBL	
Qual=	08RR2	Qual=	08RR2
Ref=	6/2010	Ref=	6/2010
Cum=	1015	Cum=	2399
Rem=	21275	Rem=	50277
EUR=	22290	EUR=	52676
Yrs=	16.332	Yrs=	16.334
Qref=	7.7	Qref=	18.2
De=	0.000000	De=	0.000000
Dmin=	0.000	Dmin=	0.000
b=	0.000000	b=	0.000000
Qab=	0.0	Qab=	2.0

Oil Conservation Division
 Case No. 9
 Exhibit No. 9

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 17TH 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 Office

Oil Conservation Division
Case No. _____
Exhibit No. 10

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.

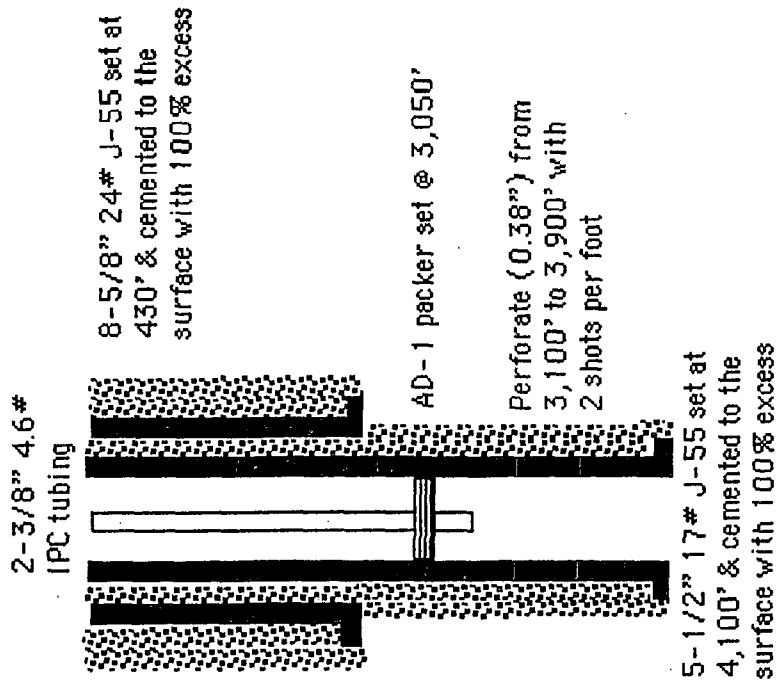
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (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 CORPORATIONWELL NAME & NUMBER: STATE B 13WELL LOCATION: 760' FSL & 760' FEL
FOOTAGE LOCATIONUNIT LETTER P SECTION 16 TOWNSHIP 17 S RANGE 31 EWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 12-1/4"Casing Size: 8-5/8" (depth set = 430')Cemented with: 250 sacks (>100% excess)or 412.5 ft³Top of Cement: SurfaceMethod Determined: VisualIntermediate Casing

Hole Size: _____

Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____

Method Determined: _____

Production CasingHole Size: 7-7/8"Casing Size: 5-1/2"Cemented with: 1,250 sacks (>100% excess)or 2,481 ft³Top of Cement: SurfaceMethod Determined: Visual & CBLTotal Depth: 4,100'Injection IntervalFrom 3,100 feet To 3,900 feet(Perforated ~~or Open Hole~~; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2-3/8" 4.6#Lining Material: PlasticType of Packer: AD-1Packer Setting Depth: 3.050' (which will be 50' above highest perforation)Other Type of Tubing/Casing Seal (if applicable): N/AAdditional Data1. 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 Jackson3. 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: Freni Paddock (pool code 26770) from $\approx$ 4,966' to $\approx$ 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 ≈ 412.5 cubic feet (volume: >100% excess).
Lead with ≈ 243.75 cubic feet (≈ 125 sacks) 35:65:6 Class C with 1/4 pound per sack cellophane + 2% CaCl_2 . Lead yield = 1.95 cubic feet per sack. Lead weight = 12.8 pounds per gallon.
Tail with ≈ 168.75 cubic feet (≈ 125 sacks) Class with 1/4 pound per sack cellophane + 2% CaCl_2 . 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 (≈ 550 sacks) 35:65:6 Class C with 1/4 pound per sack cellophane + 2% CaCl_2 . Lead yield = 2.78 cubic feet per sack. Lead weight = 12.0 pounds per gallon.

Tail with ≈ 952 cubic feet (≈ 700 sacks) 50:50:2 Class C with 1/4 pound per sack cellophane + 2% 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 ≈ 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;

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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'

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API 30-015	WELL	OPERATOR	17 S - 31 E	STATUS	ZONE	TD	DISTANCE
-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:

T. 17 S., R. 31 E.	LESSOR	LEASE #	LESSEE(S)
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

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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

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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.

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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

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

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

Form C-102
Revised October 12, 2001
Submit to Appropriate District Office
State EDDYse - 4 Copl
Fee EDDYse - 3 Copl

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM. 87506

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

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

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

EXHIBIT A GEODETIC COORDINATES NAD 27 NME Y=665723.5 N X=642926.9 E LAT.=32.829296° N LONG.=103.868036° W	OPERATOR CERTIFICATION 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. Signature 7-4-08 Date BRIAN WOOD Printed Name SURVEYOR CERTIFICATION 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. Signature & Seal of Professional Surveyor APR 12 2008 Date Surveyed RONALD J. EIDSON Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3239
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12

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**

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

⁷ Surface Location

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

⁸ Proposed Bottom Hole Location If Different From Surface

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

Additional Well Information

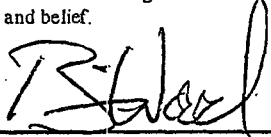
¹¹ Work Type Code N	¹² Well Type Code I	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3,846'
¹⁶ Multiple N	¹⁷ Proposed Depth 4,100'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date UPON APPROVAL

²¹ 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

- 22 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.
- 23 Will use Shaffer double ram BOP with 3000 psi working pressure & 5000 psi test pressure
- 24 Will drill surface hole with M-1 gel spud mud (8.4 - 8.8 ppg)
- 25 Will drill long string hole with brine water (9.9-10.0 ppg) & salt gel / My LO gel (10.0-10.2 ppg)
- 26 Will file C-144 under separate cover

EXHIBIT A

²³ 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 ☐	

9 1

ERIT ENERGY
V L FOSTER

1 MERIT ENERGY
V L FOSTER

MERIT ENERGY
V L FOSTER

3 5 1

T17S-R31E

State A

FOREST OIL
STATE A

FOREST OIL
STATE A

COG OPERATING LLC
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COG OPERATING LLC
YUCCA STATE



Western Region

New Mexico

Grayburg Jackson Field

Forest State B #13

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

POSTED WELL DATA
Well Operator
Well Number

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

PETRA 4/23/2008 11:39:35 AM

EXHIBIT A

22

21

State B

FOREST OIL
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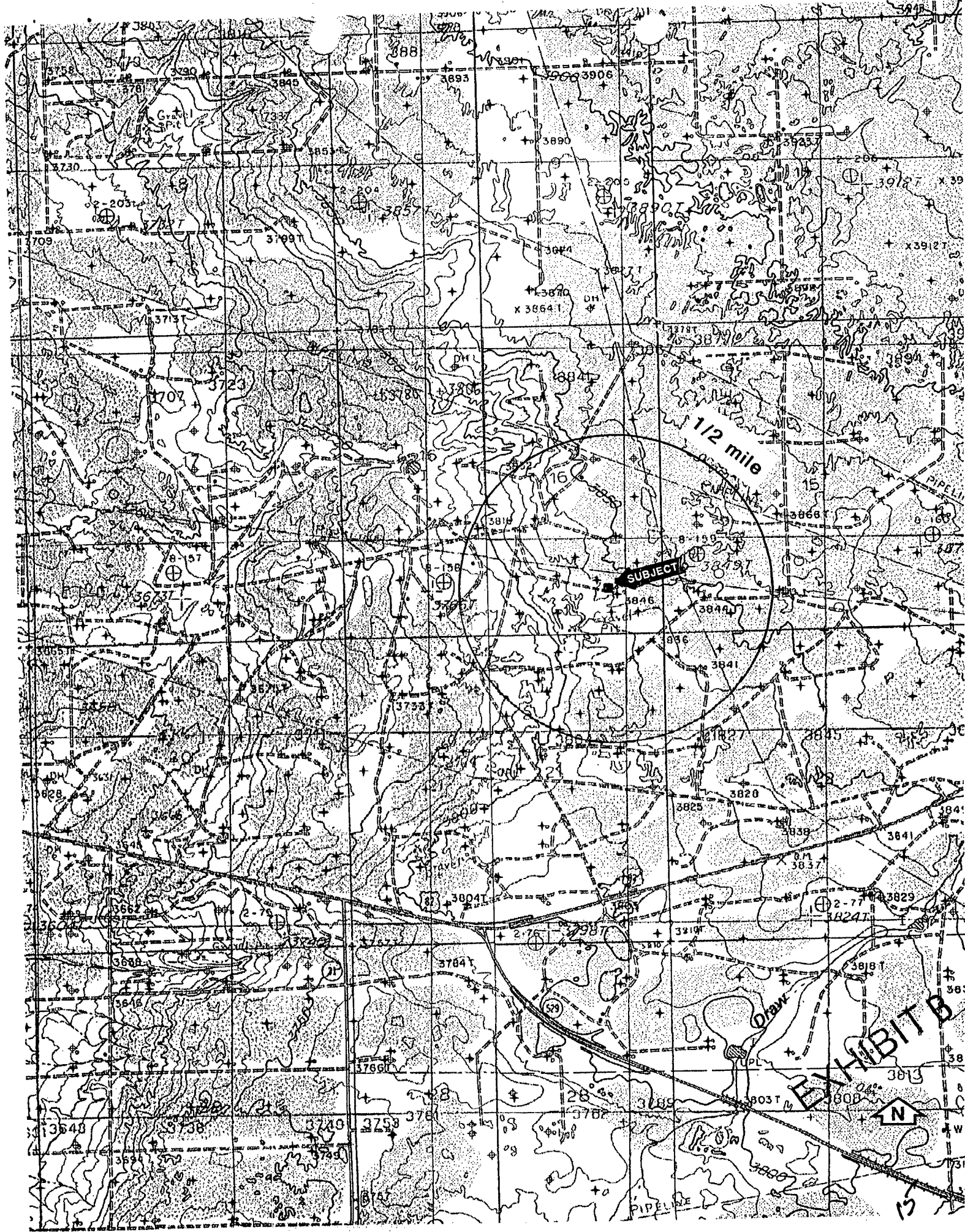
FOREST OIL
STATE B

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SUBJECT

1/2 mile

EXHIBIT B

N

Foran State #1

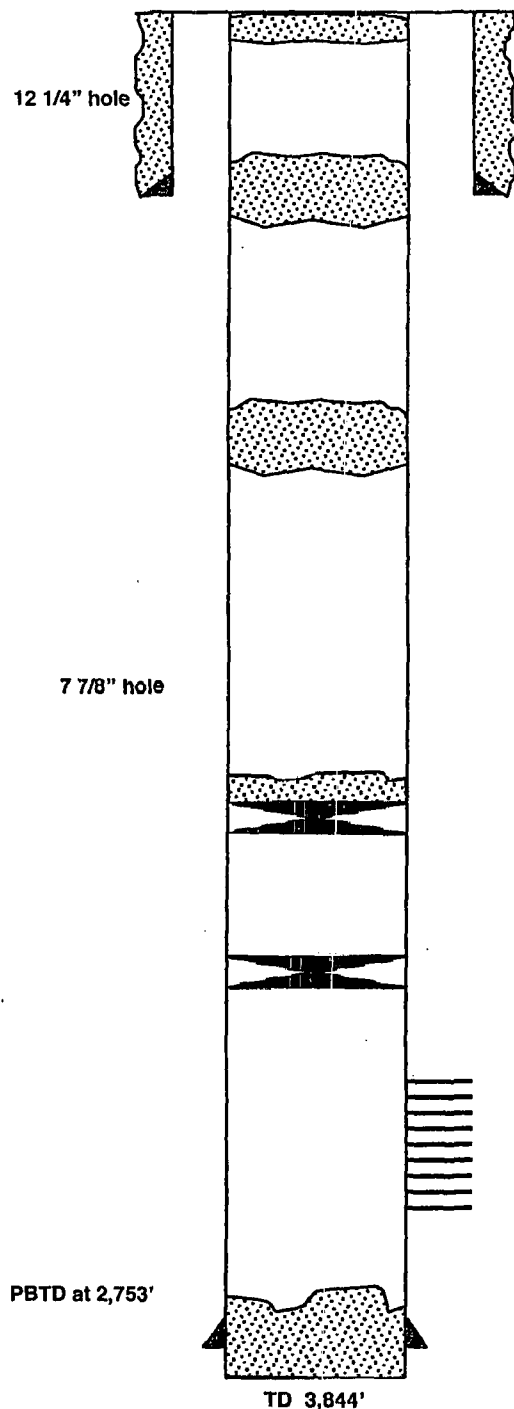
Eddy County, NM

JWR 04/25/08

Completed 08/22/1989

Current Status

GL = 3,860'



Cmt plug surface to 60'

Cmt plug 510' to 658'

Cmt plug 1,200' - 1,590'

Sec 16, T17S, R31E

2,310 FNL and 330' FEL

API# 30-015-26098

EXHIBIT C

Skelly Unit #3

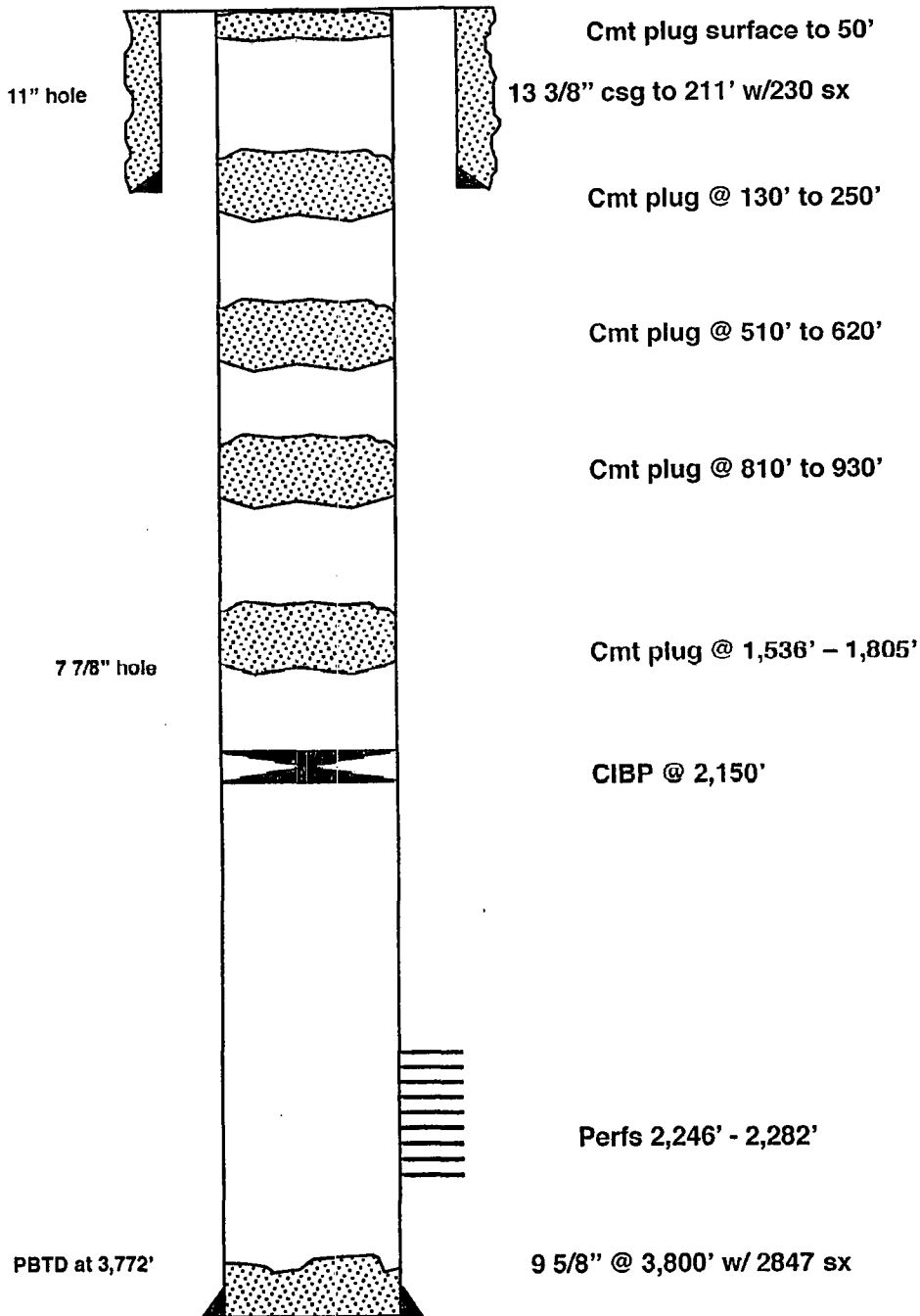
Eddy County, NM

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

TD

EXHIBIT C

State B #3

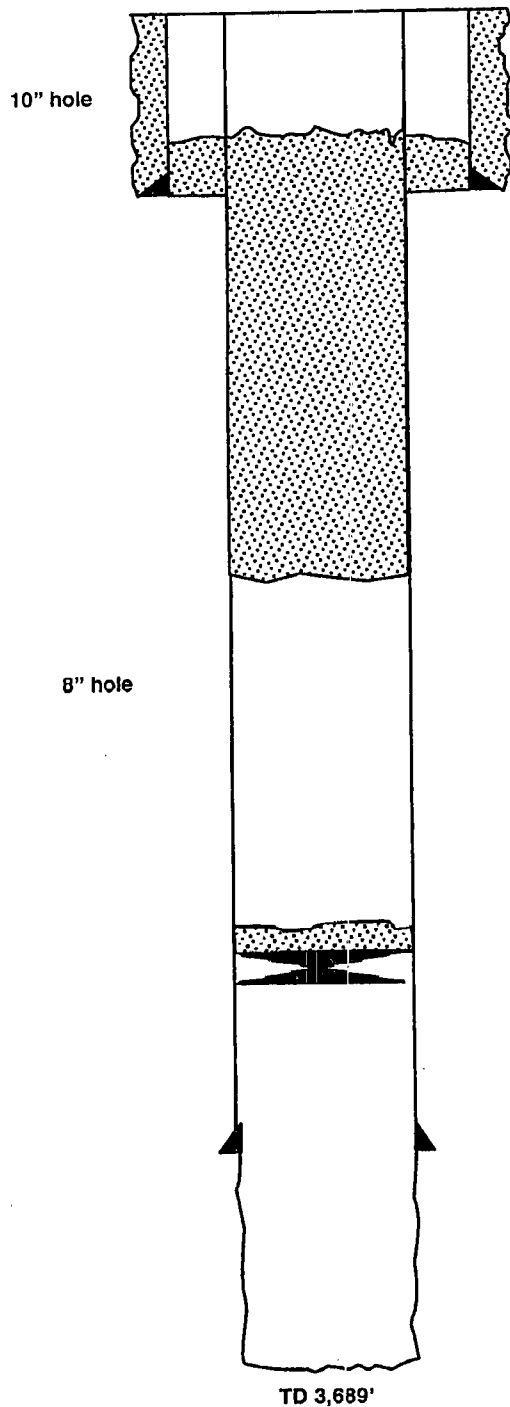
Eddy County, NM

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

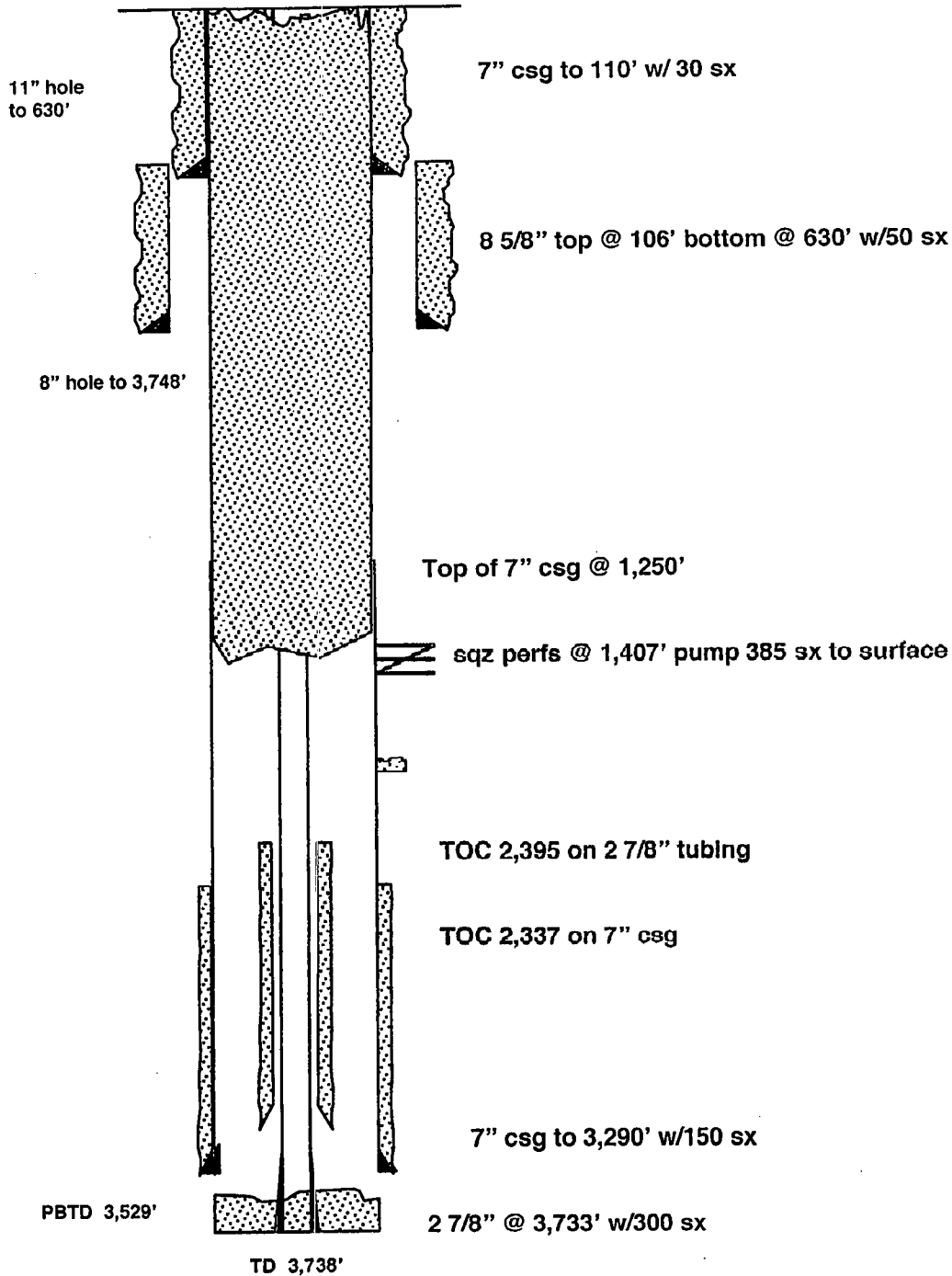
Eddy County, NM

JWR 04-25-08

Completed 09/10/1937

Current Status

GL = 3,870'



Sec 16, T17-S, R31-E

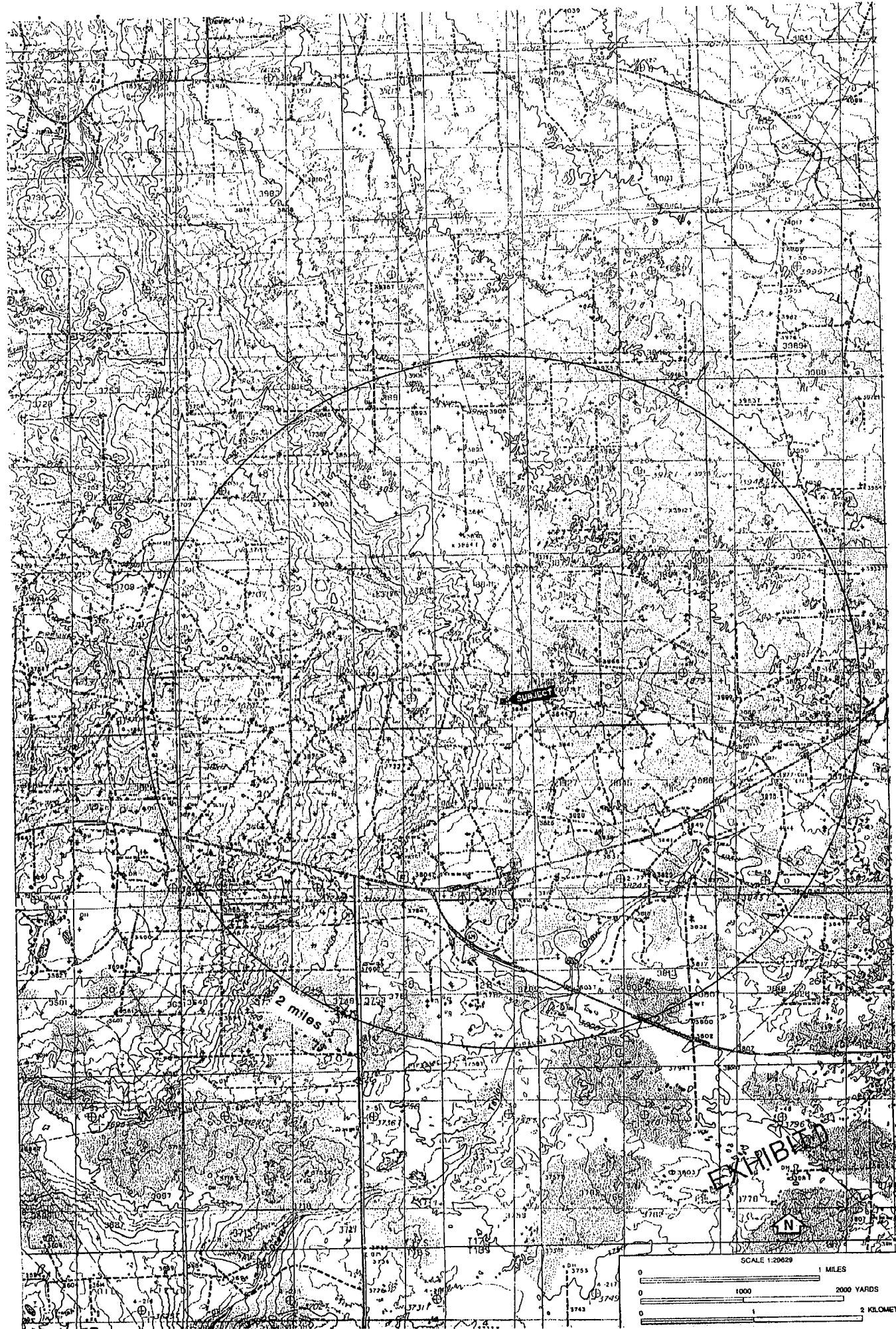
2,310 FNL, 990 FEL

API #30-015-05174

Field Grayburg Jackson

EXHIBIT C

19



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

EXHIBIT

N

PIPELINE

Draw

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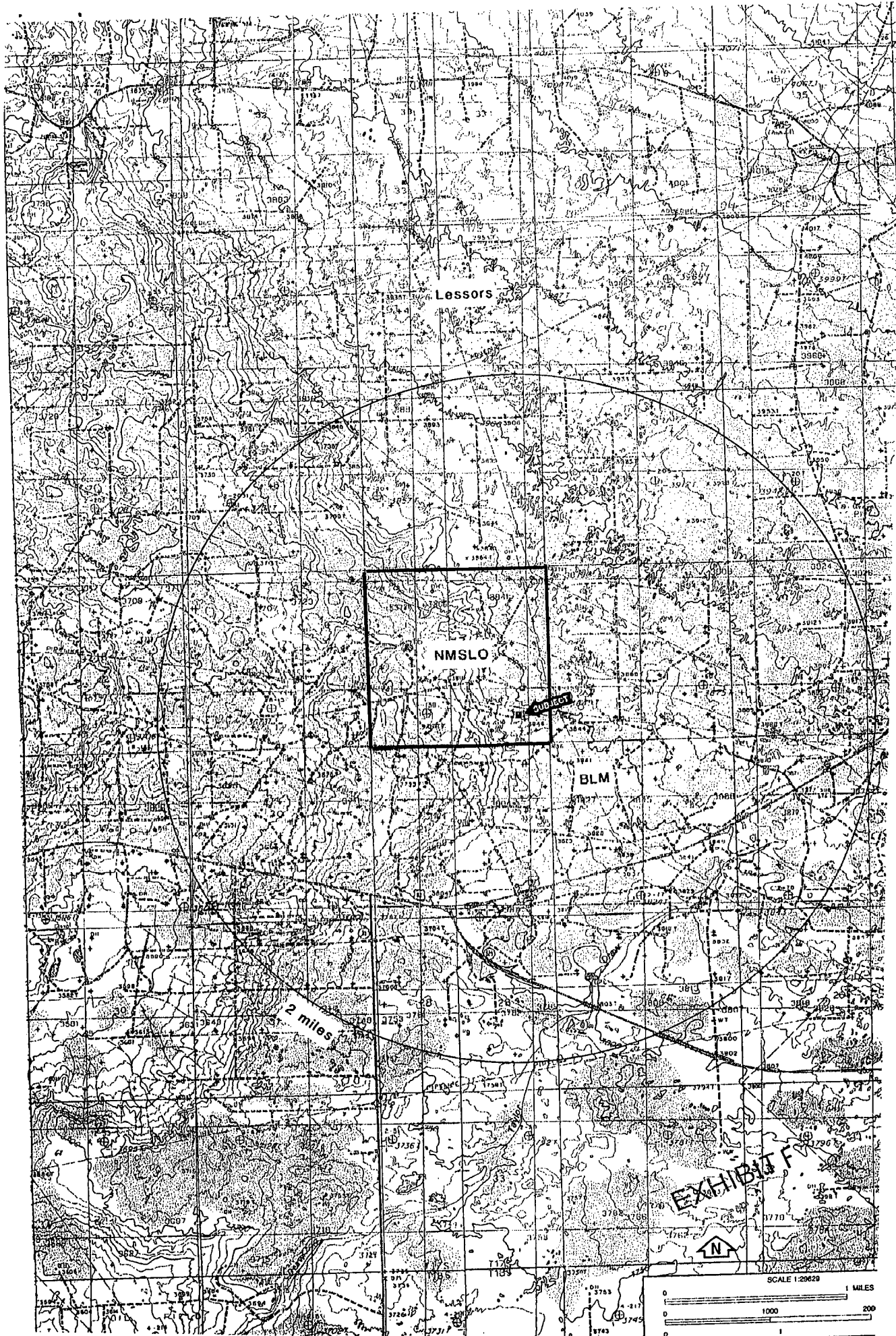
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4400



TABULATION OF WELLS WITHIN AREA OF REVIEW

API	OPERATOR NAME	LEASE NAME	WELL	CURRENT STATUS	DRIER TO GROUND	KB ELEV	TYPE	MS	RNG	EW	SEC	MS	DR	EW	FTG	EW	DR	SPUD DATE	COMP DATE	ABND DATE
30015359630000	CHEVRON U.S.A. INC.	SHELLY UNIT	988	LOCATION PERMITTED		3535	17 S	31 E	15	1500	PSL				1310	FML		19790722	19790909	19900029
30015224980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	152	P&A - OIL		2550	17 S	31 E	15	1830	PSL				860	FML		19790722	19790909	19900029
30015232800000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	801	OIL		8200	17 S	31 E	21	990	FML				1850	FEL		19970723	19980108	
30015319770000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	935	OIL		5446	17 S	31 E	21	990	FML				980	FEL		20030308	20030422	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	937	OIL		5305	17 S	31 E	21	440	FML				2195	FML		20030321	20030321	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	938	OIL		5410	17 S	31 E	21	330	FML				1650	FEL		20030303	20030417	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	939	OIL		5380	17 S	31 E	21	330	FML				990	FML		20030321	20030321	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	940	OIL		5421	17 S	31 E	22	890	FML				330	FML		20030307	20031214	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	944	OIL		5450	17 S	31 E	22	330	FML				990	FML		20031210	20040209	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	948	OIL		5350	17 S	31 E	15	330	PSL				330	FML		20050201	20050314	
30015323980000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	949	OIL		5370	17 S	31 E	15	330	PSL				1690	FML		20050206	20050206	
30015346470000	CHEVRON U.S.A. INCORPORATED	SHELLY UNIT	965	OIL		5370	17 S	31 E	15	990	PSL				990	FML		20060517	20060612	
30015288000000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	1	OIL		8990	17 S	31 E	16	330	PSL				2280	FEL		19960328	19960615	
30015288000000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	2	OIL		6305	17 S	31 E	16	990	PSL				1690	FEL		20030407	20030527	
30015288000000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	3	OIL		5507	17 S	31 E	16	330	PSL				760	FEL		19970525	19971014	
30015294400000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	4	OIL		5405	17 S	31 E	16	1190	PSL				330	FEL		20030701	20030813	
30015296000000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	5	OIL		8700	17 S	31 E	16	2310	PSL				530	FEL		19970501	19970811	
30015346550000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	6	OIL		5460	17 S	31 E	16	2310	PSL				1650	FEL		19970531	19971120	
30015323980000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	8	OIL		6310	17 S	31 E	16	330	PSL				1690	FEL		20060209	20060330	
30015652300000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	1	OIL		5435	17 S	31 E	16	1837	PSL				2310	FML		19961124	19970107	
30015652300000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	2	OIL		2227	17 S	31 E	21	810	FML				1980	FEL		19970107	19970107	
30015651500000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	28	OIL		3714	17 S	31 E	15	1880	PSL				660	FML		19610130	19610130	
30015651500000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	29	OIL		3717	17 S	31 E	15	660	PSL				660	FML		19406222	19441231	
30015651800000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	58	OIL		3671	17 S	31 E	21	660	FML				660	FEL		19431109	19440314	
30015651800000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	60	OIL		3638	17 S	31 E	21	660	FML				1980	FEL		19430519	19430823	
30015226300000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	128	OIL		2531	17 S	31 E	15	560	PSL				760	FML		19771018	19771109	
30015226300000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	129	OIL		2505	17 S	31 E	21	660	FML				760	FEL		19770928	19771014	
30015226300000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	188	OIL		4000	17 S	31 E	15	1554	PSL				1300	FML		19960425	19970103	
30015226300000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	211	OIL		4000	17 S	31 E	15	259	PSL				1181	FML		19960431	19970128	
30015288000000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	222	OIL		3800	17 S	31 E	21	1380	FML				1300	FEL		19960530	19970104	
30015288000000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	223	OIL		3882	17 S	31 E	21	1340	FML				120	FEL		19960606	19960617	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	1	OIL		3707	17 S	31 E	16	1880	PSL				1930	FEL		19370306	19370808	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	2	OIL		3845	17 S	31 E	16	990	PSL				2310	FEL		19401105	19410113	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	4	OIL		3782	17 S	31 E	16	1630	PSL				660	FEL		19600422	19610715	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	5	OIL		3800	17 S	31 E	16	1310	PSL				1300	FEL		19600422	19610715	
30015362540000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	10	LOCATION PERMITTED		3800	17 S	31 E	16	1155	PSL				110	FEL		20040006	20040621	
30015362540000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	11	LOCATION PERMITTED		3800	17 S	31 E	16	80	PSL				1485	FEL				
30015362540000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	12	LOCATION PERMITTED		3571	17 S	31 E	16	10	PSL				110	FEL				
30015362540000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	13	LOCATION PERMITTED		3571	17 S	31 E	16	990	PSL				2310	FML		19400509	19400604	
30015362540000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	14	LOCATION PERMITTED		3571	17 S	31 E	16	990	PSL				330	FEL		19890424	19890822	
30015362540000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	15	LOCATION PERMITTED		3571	17 S	31 E	16	990	PSL				990	FEL		20031218	20040202	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	1	OIL		3748	17 S	31 E	16	2310	FML				990	FEL		19370810	19371010	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	2	OIL		3198	17 S	31 E	22	990	FML				660	FML		19370810	19371010	
30015651700000	COG OPERATING LIMITED LIABILITY CORP.	WILLOW STATE	3	OIL		3670	17 S	31 E	16	990	PSL				660	FEL		19400321	19400331	

EXHIBIT G

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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 DEPTH 1	CSG SIZE 2	CSG DEPTH 2	CSG SIZE 3	CSG DEPTH 3	FIRST PROD	LAST PROD	RETRY	ONSHORE	FIELD NAME	PRODUCT NAME	
30015324850000	SEVEN RIVERS	2			2278	2401	8.58 IN	569	5 1/2 IN	2549			1878/1201	1890/831			FREN	CRUDE OIL	
30015324850000	PADDOCK	33	188	285	4820	5194	11.34 IN	605	8.58 IN	4800	5 1/2 IN	5220	1897/1201	2007/130			FREN	GAS	
30015319770000	PADDOCK	85	141	171	4941	5164	13.38 IN	442	8.58 IN	1648	5 1/2 IN	5414	2006/041	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	57	74	113	4838	5091	13.38 IN	448	8.58 IN	1851	5 1/2 IN	5298	2006/041	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	87	320	53	4870	5142	13.38 IN	461	8.58 IN	1523	5 1/2 IN	5399	2006/071	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	52	59	353	4893	5173	13.38 IN	460	8.58 IN	1637	5 1/2 IN	5352	2006/071	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	88	114	111	4907	5212	13.38 IN	451	8.58 IN	1645	5 1/2 IN	5415	2007/101	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	78	116	238	4931	5224	13.38 IN	466	8.58 IN	1648	5 1/2 IN	5447	2007/101	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	64	68	400	4947	5215	13.38 IN	460	8.58 IN	1832	5 1/2 IN	5344	2007/130	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	59	98	355	4869	5245	13.38 IN	464	8.58 IN	1623	5 1/2 IN	5345	2007/130	2007/130			FREN	CRUDE OIL	
30015346470000	PADDOCK	50	100	300	5007	5216	13.38 IN	428	8.58 IN	1809	5 1/2 IN	5384	2006/051	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	27	53	125	5005	5099	13.38 IN	345	8.58 IN	3000	5 1/2 IN	5273	2007/130	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	71	112	300	4959	5213	13.38 IN	305	8.58 IN	1738	5 1/2 IN	5489	2007/051	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	77	148	325	4969	5201	8.58 IN	547	5 1/2 IN	5487			1897/1001	2007/1130			FREN	CRUDE OIL	
30015323890000	PADDOCK	42	64	300	5012	5257	13.38 IN	300	8.58 IN	1701	5 1/2 IN	5386	2007/071	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	80	157	435	5042	5254	13.38 IN	343	8.58 IN	1625	5 1/2 IN	5416	1897/081	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	64	77	320	5002	5195	8.58 IN	465	5 1/2 IN	5457			1897/101	2007/130			FREN	CRUDE OIL	
30015346590000	PADDOCK	78	121	250	5380	5945	13.38 IN	447	8.58 IN	1650	5 1/2 IN	5301	2006/031	2007/130			FREN	CRUDE OIL	
30015323890000	PADDOCK	42	50	432	4956	5130	13.38 IN	307	8.58 IN	1778	5 1/2 IN	5425	1896/121	2007/130			FREN	CRUDE OIL	
30015323890000	SEVEN RIVERS	23			1870	2227	8.58 IN	611	7 IN	1870			1894/101	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	320			3619	3714	8.58 IN	722	5 1/2 IN	3619			1897/040	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	15			3081	3438	8.58 IN	639	7 IN	3081			1896/040	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	50			3011	3854	8.58 IN	667	7 IN	3011			1897/031	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	97			2948	3618	8.58 IN	640	7 IN	2948			1897/060	2007/130			FREN	CRUDE OIL	
30015323890000	SEVEN RIVERS	27			2222	2368	8.58 IN	575	5 1/2 IN	2531			1894/101	2007/130			FREN	CRUDE OIL	
30015323890000	SEVEN RIVERS	38			2173	2317	8.58 IN	587	5 1/2 IN	2505			1894/101	2007/130			FREN	CRUDE OIL	
30015323890000	GRAVBURG	53			46	50	3252	3748	8.58 IN	443	5 1/2 IN	4000	1894/101	2007/130			FREN	CRUDE OIL	
30015323890000	GRAVBURG	54			59	56	3385	3777	8.58 IN	436	5 1/2 IN	4000	1894/101	2007/130			FREN	CRUDE OIL	
30015323890000	GRAVBURG	67			146	166	3169	3775	8.58 IN	441	5 1/2 IN	3800	1894/101	2007/130			FREN	CRUDE OIL	
30015323890000	GRAVBURG	50			9	10	3199	3723	8.58 IN	452	5 1/2 IN	3882	1894/091	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	120			3150	3704	8 1/4 IN	633	7 IN	3150			2007/130	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	65			2898	3645	8 1/4 IN	585	7 IN	2898			2007/130	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	51			6	3183	3712	8.58 IN	612	5 1/2 IN	3184			2007/130	2007/130			FREN	CRUDE OIL
30015323890000	GRAVBURG	20			13	158	3152	3718	8.58 IN	3800			2004/051	2007/130			FREN	CRUDE OIL	
30015323890000																			
30015323890000	SAN ANDRES	67			2945	3672	8.58 IN	633	7 IN	2945			2007/130	2007/130			FREN	CRUDE OIL	
30015323890000	GRAVBURG	85			3160	3494	8.58 IN	611	5 IN	3798			2006/029	2007/130			FREN	CRUDE OIL	
30015323890000																			
30015323890000	SAN ANDRES	60			3280	3742	8 IN	630	7 IN	3280			1874/031	2007/130			FREN	CRUDE OIL	
30015323890000	PENNSYLVANIA	188			11882	11882	13.38 IN	211	8.58 IN	3800			2007/130	2007/130			FREN	CRUDE OIL	
30015323890000	SAN ANDRES	90			3165	3670	8 1/4 IN	600	7 IN	3165			2007/130	2007/130			FREN	CRUDE OIL	

EXHIBIT G.

52

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 ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	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.

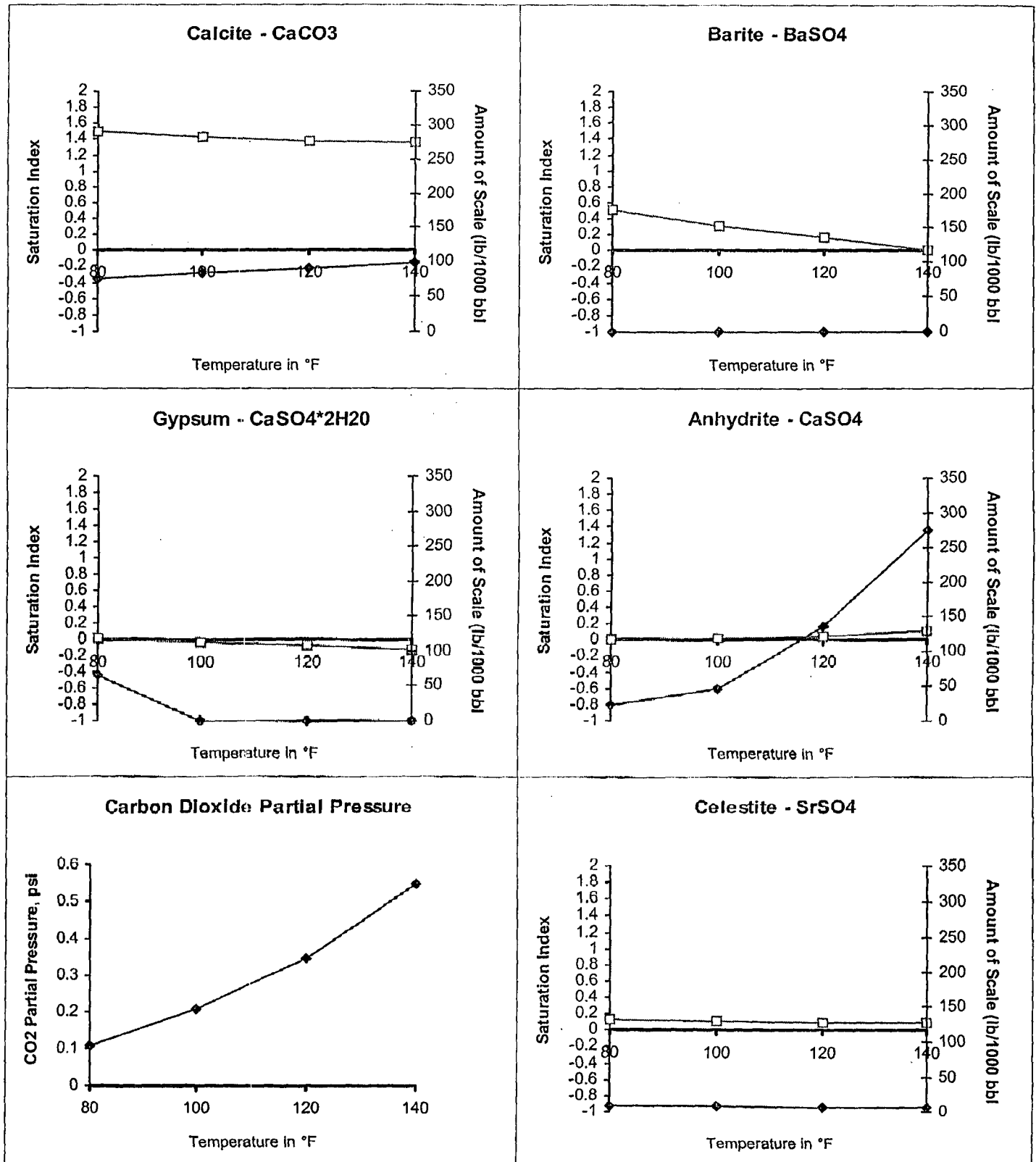
Note 3: The reported CO₂ pressure is actually the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

EXHIBIT H

25

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					
Sampling Date:	07/01/08	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	07/02/08	Chloride:	75352.0	2125.41	Sodium:	46059.8	2003.49
Analyst:	STACEY SMITH	Bicarbonate:	729.0	11.95	Magnesium:	1226.0	100.86
TDS (mg/l or g/m3):	131242.2	Carbonate:	0.0	0.	Calcium:	2282.0	113.87
Density (g/cm3, tonne/m3):	1.092	Sulfate:	4824.0	100.44	Strontium:	52.0	1.19
Anion/Cation Ratio:	1	Phosphate:			Barium:	0.1	0.
		Borate:			Iron:	4.0	0.14
		Silicate:			Potassium:	713.0	18.23
Carbon Dioxide:		Hydrogen Sulfide:			Aluminum:		
Oxygen:		pH at time of sampling:			Chromium:		
Comments:		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 ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
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

27

Scale Predictions from Baker Petrolite

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

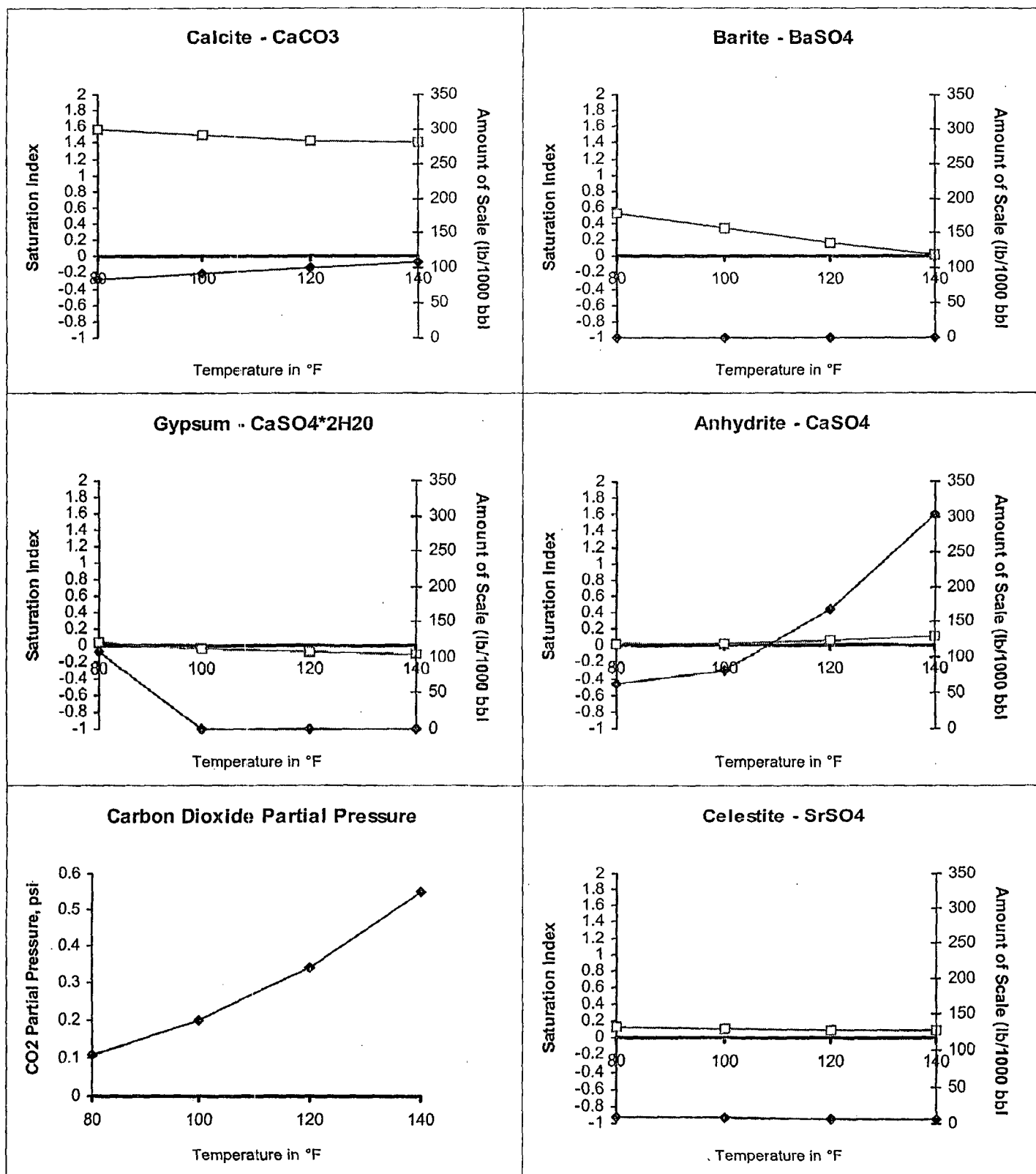
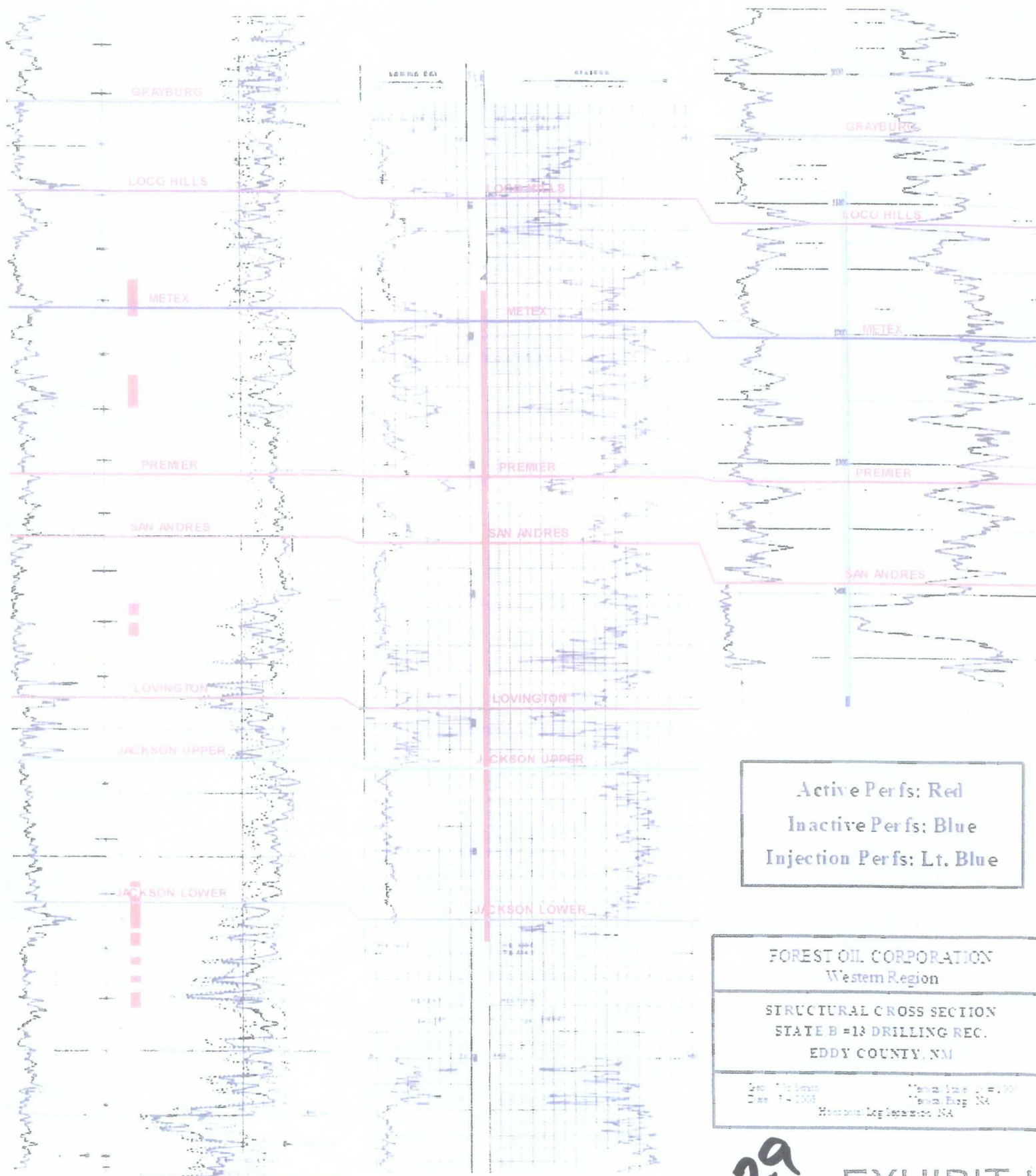


EXHIBIT H
28

STATE B 5

STATE B 3

SKELLY UNIT 29



Active Perfs: Red
Inactive Perfs: Blue
Injection Perfs: Lt. Blue

FOREST OIL CORPORATION
Western Region

STRUCTURAL CROSS SECTION
STATE B #13 DRILLING REC.
EDDY COUNTY, NM

Drawn: 10/1/00
Date: 1-4-2008
Checked: 10/1/00
Scale: 1" = 100'
North: 0° 00' 00"
Horizontal Log Scale: 1" = 100'

29

EXHIBIT I



Western Region

Grayburg-Jackson Field Area

State B #13 Drilling Rel.

San Andres Structure

T-T-8, R-24-L, Eddy County, NM

POSTED WELL DATA

FILETOPS - 4635ADP(GS)(RS) WELL - GRAD_DATE

4/1/1984 11:30 AM

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Carboniferous - 40'

Subsided Well Circled Red

TCSS Section Blue

Van Fossen wells (gray, 1/4" scale)

Map Scale: 1" = 500'

1/4" Scale

1/4" Scale

SU 5

8/24/1949

2,165

80,122

86,164

SU 61

6/30/1942

3,588

190,656

SU 60

5/19/1943

2,227

101,863

15,070

SU 129

9/28/1977

2,505

507

101,382

26,033

147,179

SU 59

1/19/1943

3,656

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State B-13

4,10

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