OXY Occidental Permian Ltd.

580 WestLake Park Blvd.
Houston, TX 77079
PO Box 4294
Houston, TX 77210-4294
Phone: 281-552-1000

July 17, 2000

JUL 20

State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

RE: Expansion of Pressure Maintenance Project
North Hobbs (Grayburg/San Andres) Unit
Hobbs; Grayburg – San Andres Pool
Well No. 534
Letter J, Section 33, T-18-S, R-38-E
Lea County, NM

Gentlemen:

Occidental Permian Limited Partnership respectfully requests administrative approval for expansion of the subject pressure maintenance project by converting North Hobbs (G/SA) Unit Well No. 534 from production to water injection. Administrative Order No. R-6199 granted November 30, 1979, authorized Shell Western E&P Inc. (Occidental Permian Limited Partnership's predecessor) to conduct the North Hobbs (G/SA) Unit pressure maintenance project within the Hobbs; Grayburg – San Andres Pool.

The following data is submitted in support of this request:

- Form C-108 with miscellaneous data attached
- Form C-102
- A map reflecting the location of the proposed injection well (No. 534). The map identifies all wells located within a two-mile radius of the proposed injector and has a one-half mile radius circle drawn around the proposed injection well which identifies the well's Area of Review.
- An injection well data sheet
- A tabulation of data on all wells of public record within the well's Area of Review

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- Schematics of plugged wells of public record within the well's Area of Review
- A list of Offset Operators and Surface Owners (these parties have been notified of this application by certified mail)
- An Affidavit of Publication and copy of the legal advertisement that was published in the county in which the well is located.

Your favorable consideration of our request will be appreciated. If you have any questions of a technical nature, please call David Nelson at (505) 397-8211. Otherwise, please call me at (281) 552-1158.

Very truly yours,

Mark Stephens

Mark Stephens
Business Analyst (SG)

CC: Oil Conservation Division
Hobbs District Office
1625 N. French Drive
Hobbs, NM 88240

State of New Mexico
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87504-1148

Offset Operators (see attached list)

Surface Owners (see attached list)

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NEW MEXICO 87505

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery __X__Pressure Maintenance _____Disposal _____Storage
Application qualifies for administrative approval? __X__Yes _____No

II. OPERATOR: Occidental Permian Limited Partnership

ADDRESS: P.O. Box 4294, Houston, TX 77210-4294

CONTACT PARTY: Mark Stephens, Rm. 338-B, WL2 PHONE: (281) 552-1158

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? __X__Yes _____No
If yes, give the Division order number authorizing the project: R-6199 (11/30/79)

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: Mark Stephens TITLE: Business Analyst (SG)

SIGNATURE: Mark Stephens DATE: July 17, 2000

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Hearing October 3, 1979; Case No. 6653, Order No. R-6199

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

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, 2040 South Pacheco, 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.

Attachment To Form C-108
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit
Well No. 534
Letter J, Section 33, T-18-S, R-38-E
Lea County, New Mexico

III. Well Data

B.(5) Next higher oil zone -- Grayburg @ +/- 3700'
Next lower oil zone -- Glorieta @ +/- 5300'

VII. Proposed Operation

1. Average Injection Rate 1500 BWPD
Maximum Injection Rate 4000 BWPD

2. Closed Injection System

3. Average Injection Pressure 500 PSIG
Maximum Injection Pressure 805 PSIG (approx.)
(will not exceed 0.2 psi/ft. to top perforation)

4. Source Water – San Andres Produced Water
(Mitchell Analytical Laboratory analysis attached)

IX. Stimulation Program

Acid treatment of unitized perforations will be performed during conversion work

XI. Fresh Water Sample Analysis
(Laboratory Services, Inc. analysis attached – 2 ea.)

XII. Occidental Permian Limited Partnership affirms that available geologic and engineering data has been examined resulting in the finding of no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Water Analysis

Company.... Nalco/Exxon Energy Chemicals
Well # .... WIS DISCHARGE PUMP
Lease..... ALTURA NHU
Location...
Date Run... 11/08/1999
Lab Ref #.. 99-NOV-N05126

Sample Temp... 70.0
Date Sampled.. 11/05/1999
Sampled by.... Mike Athey
Employee # ... 27-008
Analyzed by... DANIEL

Dissolved Gasses

			Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H2S)		486.00	16.00	30.38
Carbon Dioxide	(CO2)	Not Analyzed			
Dissovled Oxygen	(O2)	Not Analyzed			

Cations

Calcium	(Ca++)		804.00	20.10	40.00
Magnesium	(Mg++)		195.20	12.20	16.00
Sodium	(Na+)		3,459.66	23.00	150.42
Barium	(Ba++)	Not Analyzed			
Manganese	(Mn++)	Not Analyzed			

Anions

Hydroxyl	(OH-)	Not Analyzed			
Carbonate	(CO3=)		0.00	30.00	0.00
Bicarbonate	(HCO3-)		1,869.66	61.10	30.60
Sulfate	(SO4=)		1,700.00	48.80	34.84
Chloride	(Cl-)		5,005.50	35.50	141.00

Total Iron	(Fe)		0.30	18.60	0.02
Total Dissolved Solids			13,520.32		
Total Hardness As CaCO3			2,810.32		
Conductivity MICROMHOS/CM			23,500		

pH 6.500 Specific Gravity 60/60 F. 1.009

CaSO4 Solubility @ 80 F. 46.63 MEq/L, CaSO4 scale is unlikely

CaCO3	*Scale Index*
70.0	0.190
80.0	0.310
90.0	0.530
100.0	0.530
110.0	0.790
120.0	0.790
130.0	1.090
140.0	1.090
150.0	1.370

Laboratory Services, Inc.
4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Wells 33211, 33534 & 33631
SAMPLED BY

DATE TAKEN 5/31/00
REMARKS T18S-R38E-Sec 33, Qtr Sec. 2,3,1

Barium as Ba	0	
Carbonate alkalinity PPM	52	
Bicarbonate alkalinity PPM	200	
pH at Lab	7.54	
Specific Gravity @ 60°F	1	
Magnesium as Mg	162	
Total Hardness as CaCO3	280	
Chlorides as Cl	106	
Sulfate as SO4	150	
Iron as Fe	0	
Potassium	0.1	
Hydrogen Sulfide	0	
Rw	9.6	@ 25° C
Total Dissolved Solids	820	
Calcium as Ca	118	
Nitrate	13.2	

Results reported as Parts per Million unless stated

Langelier Saturation Index + 0.11

Analysis by: Vickie Walker
Date: 6/5/00

Laboratory Services, Inc.
4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Wells 33211, 33534 & 33631
SAMPLED BY

DATE TAKEN 5/31/00
REMARKS T18S-R38E-Sec 33, Qtr Sec. 2,3,1

Barium as Ba	0	
Carbonate alkalinity PPM	64	
Bicarbonate alkalinity PPM	212	
pH at Lab	7.43	
Specific Gravity @ 60°F	1	
Magnesium as Mg	202	
Total Hardness as CaCO3	348	
Chlorides as Cl	127	
Sulfate as SO4	155	
Iron as Fe	0	
Potassium	0.1	
Hydrogen Sulfide	0	
Rw	9.5	@ 25° C
Total Dissolved Solids	930	
Calcium as Ca	146	
Nitrate	8.8	

Results reported as Parts per Million unless stated

Langelier Saturation Index -0.5

Analysis by: Vickie Walker
Date: 6/6/00

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-34373	31920	HOBBS; GRAYBURG - SAN ANDRES

Property Code	Property Name	Well Number
19520	NORTH HOBBS G/SA UNIT	534

OGRID No.	Operator Name	Elevation
157984	Occidental Permian Limited Partnership	3637

Surface Location

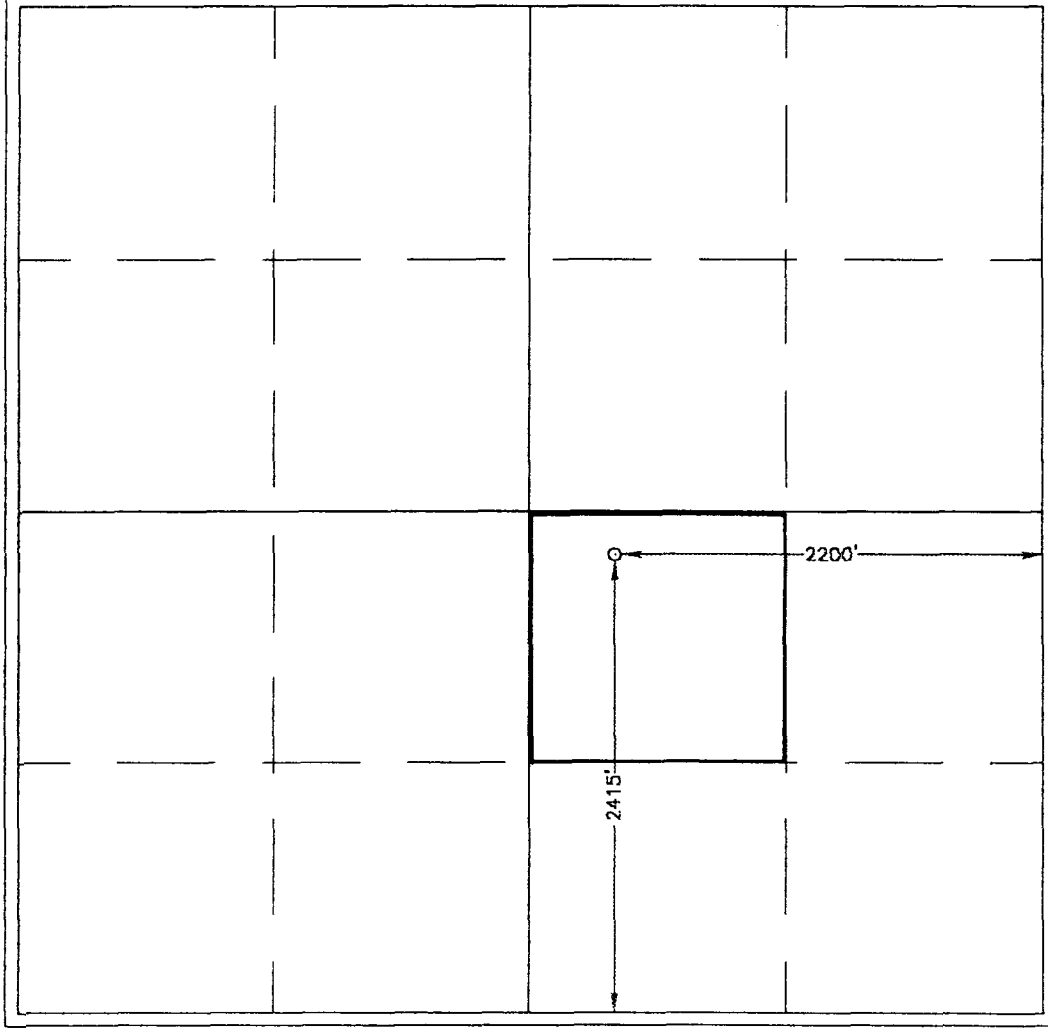
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	33	18 S	38 E		2415	SOUTH	2200	EAST	LEA

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



OPERATOR CERTIFICATION

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

Mark Stephens
Signature

Mark Stephens
Printed Name

Business Analyst (SG)
Title

July 14, 2000
Date

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 supervison, and that the same is true and correct to the best of my belief.

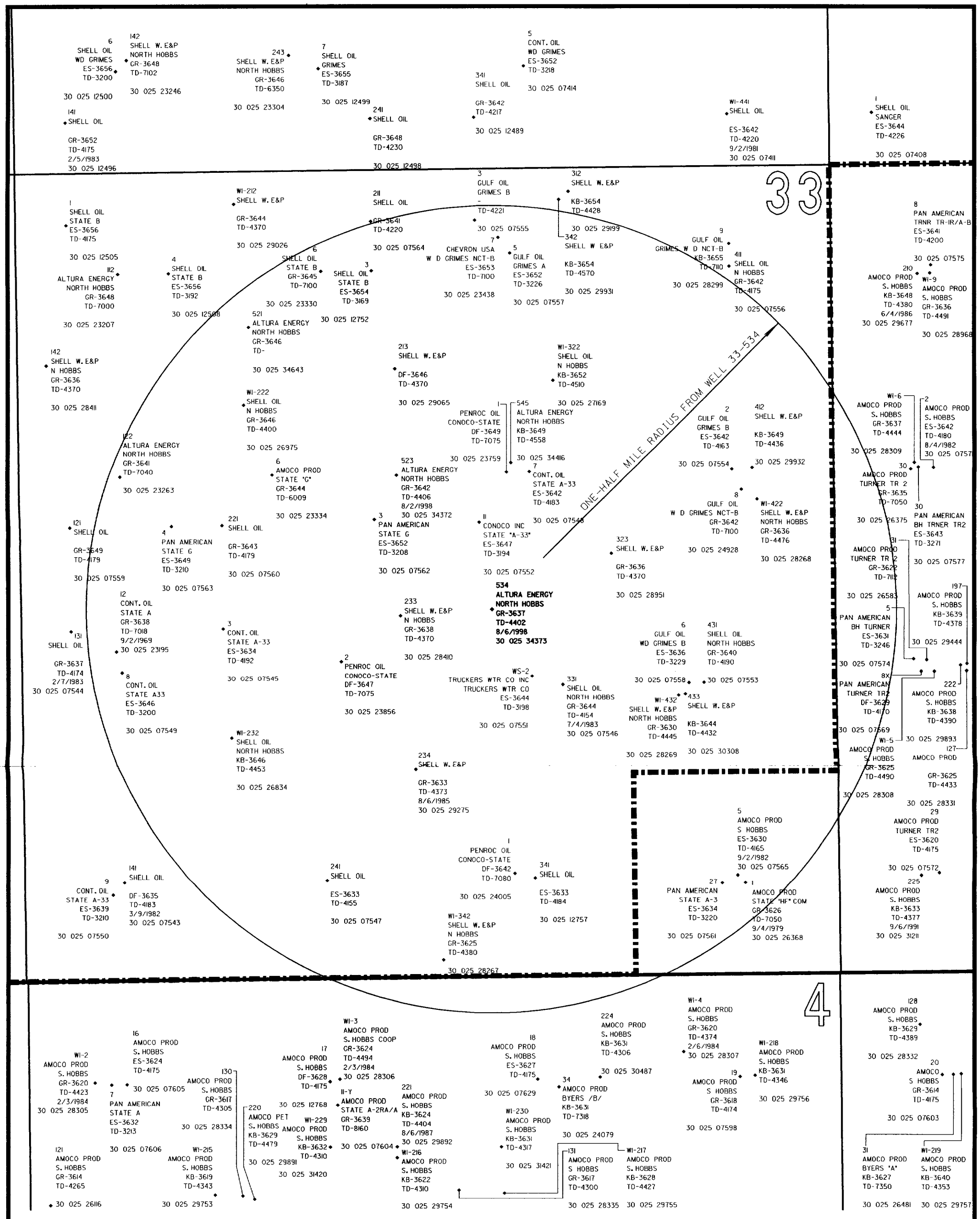
JANUARY 6, 2000
Date Surveyed DC

Signature & Seal of Professional Surveyor

Gary L. Eidson 1/28/2000

00-13-0019

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641
MACON McDONALD 12185



NOTE:
WELL DATA DERIVED FROM THE PETROLEUM INFORMATION - DATA MANAGEMENT SYSTEM, WELL DATA SYSTEM PREPARED FOR AMOCO.

Altura Energy Ltd.

Area of Review Plat

NORTH HOBBS (GRAYBURG SAN ANDRES) UNIT

WELL NO. 33-534

T-18-S, R-38-E

Lea County, New Mexico

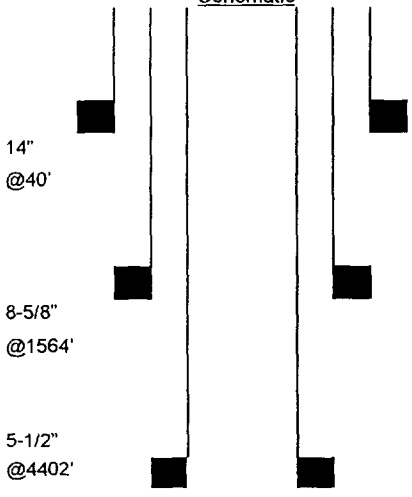
Scale: 1"= 600' 12-29-99 nm438a00.dgn - 12
Plat prepared by PJE Drafting, Inc.
For Horizon Survey, Inc.

INJECTION WELL DATA SHEET

Operator	Lease	County
Occidental Permian Limited Partnership	North Hobbs G/SA Unit	Lea

Well No.	Footage Location	Section	Township	Range	Unit Letter
33-534	2415' FSL & 2200' FEL	33	18-S	38-E	J

Schematic



Tubular Data

Surface Casing
Size 14" Cemented with 50 sxs.
TOC SURF Determined by Circ.
Hole size

Intermediate Casing
Size 8-5/8" Cemented with 800 sxs.
TOC SURF Determined by Circ.
Hole size

Long string Casing
Size 5-1/2" Cemented with 740 sxs.
TOC SURF Determined by Circ.
Hole size

Liner
Size Cemented with sxs.
TOC Determined by
Hole size

Total depth 4402'

Injection interval
4100 feet to 4300 feet

Completion type Perforated Casing

Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a

Guiberson – Uni VI packer at 4000' feet
(brand and model)

Other Data

1. Name of the injection formation: San Andres

2. Name of field or Pool: Hobbs

3. Is this a new well drilled for injection? Yes [ ] No [X]
If no, for what purpose was the will originally drilled? Producer

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

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.

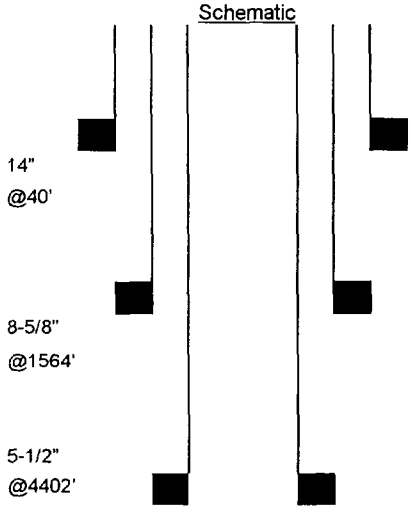
Grayburg – 3270, Glorieta – 5300

INJECTION WELL DATA SHEET

Operator	Lease	County
Occidental Permian Limited Partnership	North Hobbs G/SA Unit	Lea

Well No.	Footage Location	Section	Township	Range	Unit Letter
33-534	2415' FSL & 2200' FEL	33	18-S	38-E	J

Schematic



Tubular Data

Surface Casing
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TOC SURF Determined by Circ.
Hole size

Intermediate Casing
Size 8-5/8" Cemented with 800 sxs.
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Long string Casing
Size 5-1/2" Cemented with 740 sxs.
TOC SURF Determined by Circ.
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Size Cemented with sxs.
TOC Determined by
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3. Is this a new well drilled for injection? Yes [ ] No [X]
If no, for what purpose was the will originally drilled? Producer

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

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.

Grayburg – 3270, Glorieta – 5300

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTOR

FOR WELL 33534																	
Well Name	API No.		Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole		No. of	
Operator						Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
33211	30-025-	07564	33	-18S	-38E	C	6//34	P	4223	4076	4222	3993-4008	12.5	16	296	150	CIRC**
Altura									PBTD				9.625	12.25	2760	150	3191**
													7	8.75	3930	250	2601**
													5.5	7.875	3884	250	3800-CBL
													5.5	7.875	3887-4226	82	3887**
33213	30-025-	29065	33	-18S	-38E	C	2//85	P	4328	4027	4255	NONE	13.375	17.5	40	NA	NA
Altura									PBTD				8.625	12.25	1551	675	CIRC
													5.5	7.875	4370	775	CIRC
33221	30-025-	07560	33	-18S	-38E	F	9//30	I	4185	4047	4230	606	12.5	16	237	125	CIRC
Altura									CIBP			3145-3146	9.625	11.75	2770	400	CIRC
												4043-4052	7	8.75	4012	275	CIRC
													5	6.25	4242	100	2850-CBL
33222	30-025-	26975	33	-18S	-38E	F	10//80	I	4322	4054	4276	4206-4210	16	20	40	40	CIRC
Altura									CIBP			4214-4218	8.625	12.25	1600	800	CIRC
													5.5	7.875	4400	1100	CIRC
33232	30-025-	26834	33	-18S	-38E	K	9//80	I	4395	4130	4148	4050-4054	16	20	40	40	CIRC
Altura									PBTD			4096-4101	8.625	12.25	1590	700	CIRC
													5.5	7.875	4439	750	CIRC
33233	30-025-	28410	33	-18S	-38E	K	12//83	P	4290	4047	4246	NONE	16	20	40	NA	NA
Altura									PBTD				8.625	12.25	1582	750	CIRC
													5.5	7.875	4350	875	65
33234	30-025-	29275	33	-18S	-38E	K	6//85	P	4373	4046	4224	NONE	13.375	17.5	40	NA	NA
Altura													9.625	12.25	1503	650	CIRC**
													7	8.75	4372	1125	CIRC**
33241	30-025-	07547	33	-18S	-38E	N	2//32	P	4252	4052	4252	259	15.5	18	223	387	CIRC
Altura									PBTD			4094-4236	9.625	12.25	2754	600	1012
													7	8.75	3971	350	1990
													5	6.25	4236	150	3918

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTOR

Well Name	API No.		Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole		No. of	
Operator						Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
33322	30-025-	27169	33	-18S	-38E	G	1//81	I	4392	4058	4230	NONE	16	20	40	40	CIRC
Altura									PBTD				8.625	12.25	1600	850	CIRC
													5.5	7.875	4510	915	CIRC
33323	30-025-	28951	33	-18S	-38E	G	7//85	P	4370	4003	4182	NONE	13.375	17.5	40	NA	NA
Altura									PBTD				9.625	12.25	1157	650	CIRC
													7	8.75	4370	925	CIRC
33331	30-025-	07546	33	-18S	-38E	J	11//31	P	4234	4181	4209	524	15.5	18	232	425	CIRC
Altura												1116-1176	9.625	12.25	2757	600	1009
													7	8.75	3930	325	1972
													5	6.25	3871-4232	50	3871
33341	30-025-	12757	33	-18S	-38E	O	12//31	P	4247	4058	4090	4196-4206	15.5	18	215	350	CIRC
Altura												4210-4220	9.625	12.25	2755	600	1013
													7	8.75	3981	325	2016
													5	6.25	3923-4237	100	3923
33342	30-025-	28267	33	-18S	-38E	O	10//83	I	4331	4068	4256	NONE	16	20	40	40	CIRC
Altura									PBTD				8.625	12.25	1565	650	CIRC
													5.5	7.875	4380	725	CIRC
33412	30-025-	29932	33	-18S	-38E	H	7//87	P	4436	4171	4341	NONE	9.625	12.25	1542	650	CIRC
Altura													7	8.75	4436	1250	CIRC
33422	30-025-	28268	33	-18S	-38E	H	11//83	I	4476	4144	4313	NONE	16	20	30	40	CIRC
Altura													8.625	12.25	1664	650	CIRC
													5.5	7.875	4476	750	CIRC
33431	30-025-	07553	33	-18S	-38E	I	11//31	P	4227	4038	4169	NONE	13.375	17	241	200	CIRC
Altura													9.625	12.25	2741	600	999
													7	8.75	3940	225	2579
													5.5	6.25	3908-4190	40	3908
33432	30-025-	28269	33	-18S	-38E	I	11//83	I	4390	4107	4297	NONE	16	20	40	NA	NA

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTOR

Well Name	API No.		Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole		No. of	
Operator						Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
Altura													8.625	12.25	1572	750	CIRC
													5.5	7.875	4438	950	CIRC
33433	30-025-	30308	33	-18S	-38E	I	5//88	P	4270	4057	4084	NONE	9.625	12.25	1510	650	CIRC
Altura									PBTD				7	8.75	4430	1150	CIRC
33521	30-025-	34643	33	-18S	-38E	C	9//99	P	4360	4104	4260	NONE	14	18	40	50	CIRC
Altura									PBTD				8.625	12.25	1565	795	CIRC**
													5.5	7.875	4400	1655	4050-CBL
33523	30-025-	34372	33	-18S	-38E	F	7//98	P	4376	4095	4268	NONE	14	18	40	50	CIRC**
Altura									PBTD				8.625	12.25	1560	800	CIRC**
													5.5	7.875	4406	1000	CIRC**
33545	30-025-	34416	33	-18S	-38E	G	8//98	P	4511	4275	4354	NONE	14	18	40	50	CIRC**
Altura									PBTD				8.625	12.25	1550	800	CIRC**
													5.5	7.875	4558	1000	CIRC**
SHU #5	30-025-	07565	33	-18S	-38E	P	12//31	P	4241	4050	4208	3183-3187	16	20	209	125	CIRC**
Altura												3254-3258	10.75	16	2752	400	3165**
												3994-4025	8.625	12.25	3946	140	5247**
												4025-4038	5.5	7.875	4220	300	2900**
State A-3 #27	30-025-	07561	33	-18S	-38E	P	7//49	TA	3100	3179	3179	NONE	9.625	13.75	338	250	CIRC
Altura									CIBP				5.5	7.375	3160	700	CIRC
STATE B #6	30-025-		33	-18S	-38E	C	11//69	P	7062	6639	6931	5948-5956	13.375	17.5	350	300	CIRC
Altura													9.625	12.25	3805	1400	CIRC**
													7	8.75	3609-7062	805	CIRC**
STATE G #6	30-025-	23334	33	-18S	-38E	F	11//69	P	6441	6204	6148	450-452	11.75	17.5	420	540	CIRC
Altura									PBTD			3410-3412	8.625	11	1831	370	1831-TS
												5930-5962	5.5	7.875	6009	400	3500-TS
													4	4.75	5815-7041	75	5815**
STATE HF #1	30-025-	26368	33	-18S	-38E	P	9//79	P	7013	6701	6922	NONE	13.375	17.5	385	450	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTOR

Well Name	API No.		Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole		No. of	
Operator						Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
Altura									PBTD				9.625	12.25	4260	1237	CIRC
													7	8.75	7050	500	2860-TS
WD Grimes NCT-B #7	30-025-	23438	33	-18S	-38E	B	3//70	P	7059	5836	7008	5848-5988	13.375	17.5	368	400	CIRC
Texland									PBTD				9.625	12.25	3859	2000	CIRC
													7	8.75	7099	485	3635
State A-33 # 12	30-025-	23195	33	-18S	-38E	L	9//69	P	6985	6686	6946	NONE	13.375	17.5	422	375	CIRC
Brothers Prod. Co.									PBTD				9.625	12.5	3750	325	2850
													7	8.75	7018	525	3700
WD Grimes NCT-B #8	30-025-	24928	33	-18S	-38E	H	2//75	P	6935	6654	6850	5728-5993	13.375	17.5	398	450	CIRC
Texland									PBTD				9.625	12.25	3960	1750	CIRC
													7	8.75	7100	470	2510
Conoco-State #1	30-025-	23759	33	-18S	-38E	G	8//71	P	7075	5871	6975	NONE	13.375	17.5	418	410	CIRC
Saga Petroleum													9.625	12.25	3799	350	1089
													7	8.75	7075	900	3658
Conoco-State #2	30-025-	23856	33	-18S	-38E	K	11//71	P	7075	5830	6533	NONE	13.375	17	402	410	CIRC
Saga Petroleum													9.625	12.25	3797	350	998
													7	8.75	7075	600	3503
Conoco A State #1	30-025-	24005	33	-18S	-38E	O	2//72	P	7040	5814	6961	NONE	13.375	17	378	350	CIRC
Saga Petroleum									PBTD				9.625	12.25	3800	350	1950
													7	8.75	7080	500	3400
Truckers WTR Co. #2	30-025-	07551	33	-18S	-38E	K	2//49	P	2935	2060	2410	NONE	9.625	12.25	345	200	CIRC
Truckers WTR Co. Inc./									PBTD				5.5	7.875	3195	1000	CIRC
Yale E. Key, Inc.																	

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTOR

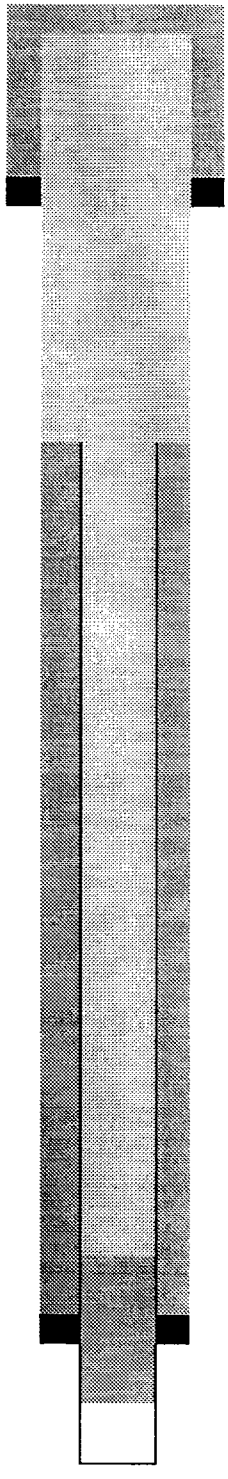
Well Name	API No.		Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole		No. of	
Operator						Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size	Depth	Sxs.	TOC
STATE B #3	30-025-	12752	33	-18S	-38E	C	11//47	PA	3169	3158	3166	NONE	8.625	11	428	200	CIRC**
Altura													4.5	7.875	3124	850	CIRC**
STATE G #3	30-025-	07562	33	-18S	-38E	F	11//48	PA	3208	3175	3178	NONE	9.625	12.25	462	250	CIRC
Altura									PBTD				5.5	7.875	3100	1000	CIRC
STATE G #4	30-025-	07563	33	-18S	-38E	E	12//49	PA	3210	3187	3190	NONE	10.75	15	448	400	CIRC
Altura									PBTD				5.5	7.375	5.5	800	CIRC
State A-33 #8	30-025-	07549	33	-18S	-38E	L	9//48	PA	3200	3148	3197	3148-3197	13.375	17.5	362	300	CIRC**
Conoco													5.5	7.875	3199	1200	CIRC**
State A-33 #11	30-025-	07552	33	-18S	-38E	G	5//49	PA	3194	3090	3161	NONE	10.75	15	402	375	CIRC**
Conoco									PBTD				5.5	7.875	3190	1200	CIRC**
Grimes B #5	30-025-	07557	33	-18S	-38E	B	5//48	PA	3055	3130	3226	NONE	9.625	13.375	300	250	CIRC
Gulf									CMT				5.5	7.875	3120	700	CIRC**
WD Grimes B #6	30-025-	07558	33	-18S	-38E	I	4//49	PA	2956	3150	3229	350	9.625	12.25	289	225	CIRC
Gulf									CIBP				5.5	7.875	3140	775	550-TS

** Denotes calculated TOC with 50% efficiency

Shell
Unit C, NW/4
Sec 33, T-18S, R-38E

WELL PLUGGED:
3/30/51

Size: 8.625"
Depth: 428'
Hole size: 11"
Cmt: 200 sxs
TOC: Circ.- Calc.
50% efficiency



Spotted 10 sxs plug from 47 to surface.

Shot 4.5" off at 1250'

Hole filled with heavy mud.

Size: 4.5"
Depth: 3124'
Hole size: 7.875"
Cmt: 850 sxs
TOC:

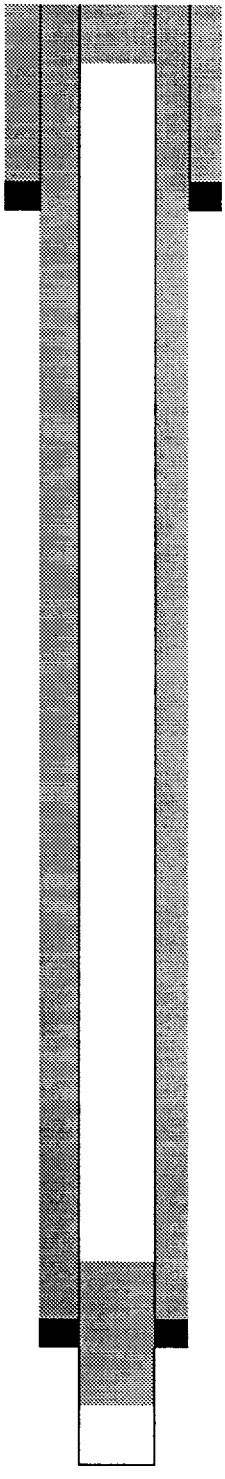
Spot 10 sxs plug from 3135 to 3000'

TD: 3169'

Amoco
Unit F, 2285 FNL & 2310 FWL
Sec 33, T-18S, R-38E

WELL PLUGGED:
3/11/71

Size: 9.625"
Depth: 462'
Hole size: 12.25"
Cmt: 250 sxs
TOC: Circ.



Spotted 10 sxs plug at surface

Size: 5.5"
Depth: 3100'
Hole size: 7.875"
Cmt: 1000 sxs
TOC: Circ.

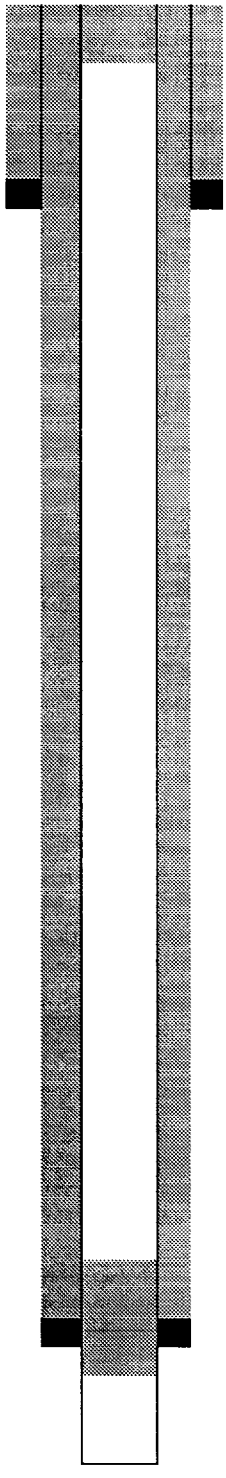
Spotted 25 sxs plug from 3208-3100

TD: 3208'

State G #1
Amoco
Unit E, 2310 FNL & 990 FWL
Sec 33, T-18S, R-38E

WELL PLUGGED:
3/9/71

Size: 10.75"
Depth: 448'
Hole size: 15"
Cmt: 400 sxs
TOC: Circ.



Spotted 10 sxs plug at surface

Size: 5.5"
Depth: 3108'
Hole size: 7.375"
Cmt: 800 sxs
TOC: Circ.

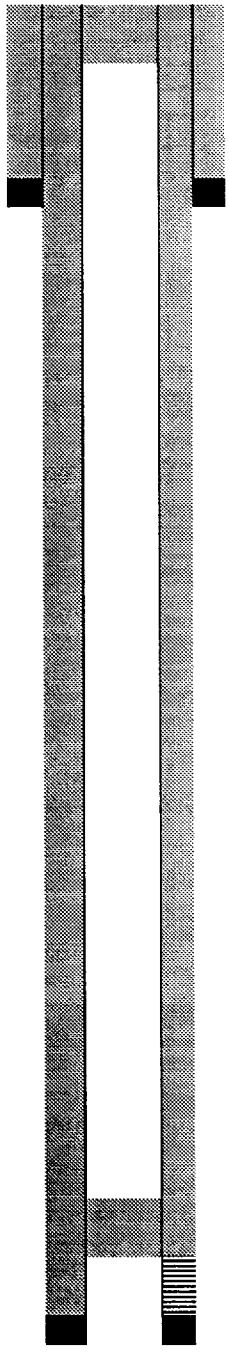
Spotted 25 sxs plug from 3210 to 3108

TD: 3210'

State A-33 #3
Conoco
Unit L, 2060 FSL & 660 FWL
Sec 33, T-18S, R-38E

WELL PLUGGED:
1/13/71

Size: 13.375"
Depth: 362'
Hole size: 17.5"
Cmt: 300 sxs
TOC: Circ.- Calc.
50% efficiency



Spotted 10 sxs plug at surface

Size: 5.5"
Depth: 3199'
Hole size: 7.875"
Cmt: 1200 sxs
TOC: Circ.- Calc.
50% efficiency

TD: 3200'

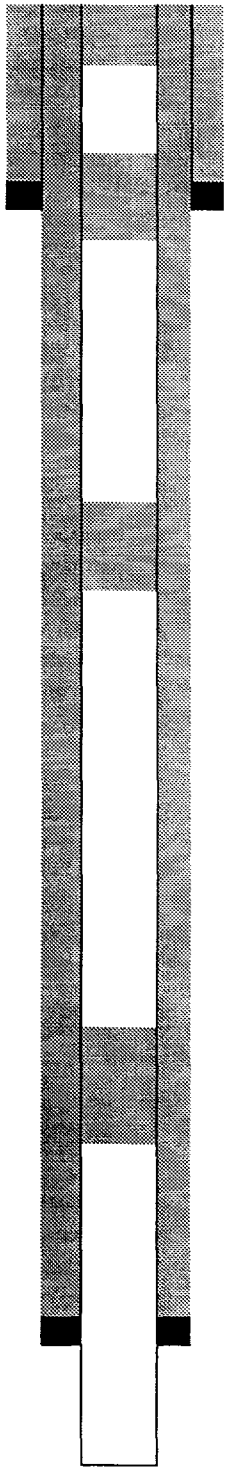
Spotted 40 sxs over perfs.

Perfs 3148-97'

Conoco
Unit G, 2310 FNL & 2310 FEL
Sec 33, T-18S, R-38E

WELL PLUGGED:
3/18/87

Size: 10.75"
Depth: 402'
Hole size: 15"
Cmt: 375 sxs
TOC: Circ.- Calc.
50% efficiency



Spotted 20 sxs plug from 100' to surface

Spotted 20 sxs plug from 470-290'

Spotted 20 sxs plug from 1620-1370'

Size: 5.5"
Depth: 3190'
Hole size: 7.875"
Cmt: 1200 sxs
TOC: Circ.- Calc.
50% efficiency

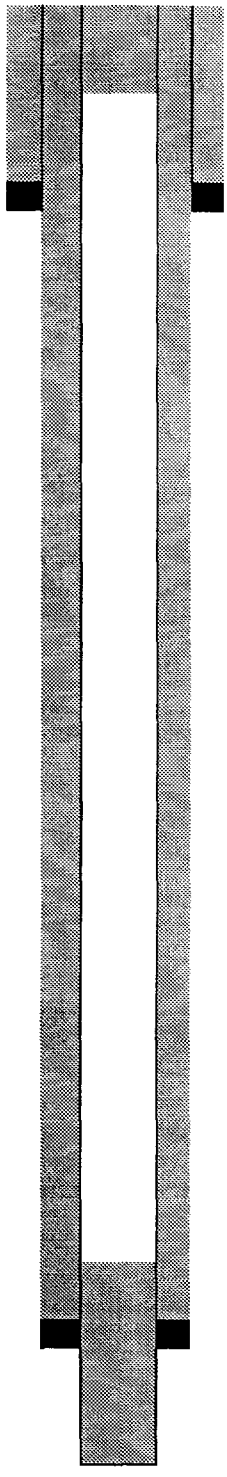
Spotted 35 sxs plug from 2850-2600'

TD: 3194'

Gulf
Unit B,
Sec 33, T-18S, R-38E

WELL PLUGGED:
4/18/60

Size: 9.625"
Depth: 300'
Hole size: 13.375"
Cmt: 250 sxs
TOC: Circ.



Spotted 10 sxs plug from 80' to surface

Size: 5.5"
Depth: 3120'
Hole size: 7.875"
Cmt: 700 sxs
TOC: Circ.- Calc.
50% efficiency

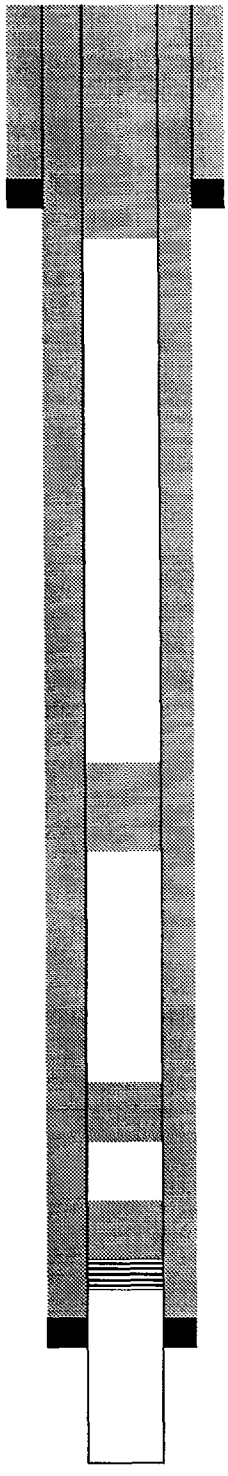
Spotted 35 sxs plug from 3226 to 2946'

TD: 3226

Chevron
Unit I, 1980 FSL & 960 FEL
Sec 33, T-18S, R-38E

WELL PLUGGED:
12/8/95

Size: 9.625"
Depth: 289'
Hole size: 12.25"
Cmt: 225 sxs
TOC: Circ.



Perfed and circulated 100 sxs to surface from 350'.
Filled 5.5 csg with 136 sxs to surface.

Spotted 25 sxs plug from 1670-1430'

Spotted 25 sxs from 2715 to 2475'

Size: 5.5"
Depth: 3140'
Hole size: 7.875"
Cmt: 775 sxs
TOC: 550' – TS

Dumped 15 sxs on top of CIBP

CIBP: 3100

TD: 3229'

LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit
Well No. 534
Letter J, Section 33, T-18-S, R-38-E
Lea County, New Mexico

Offset Operators

Occidental Permian Limited Partnership
P.O. Box 4294
Houston, TX 77210-4294

Texland Petroleum-Hobbs, LLC
500 Throckmorton, Suite 3100
Ft. Worth, TX 76102-3818

Saga Petroleum LLC
415 W. Wall, Suite 835
Midland, TX 79701

Brothers Production Company, Inc.
P.O. Box 7515
Midland, TX 79708

Yale E. Key, Inc.
dba Key Energy Services, Permian Basin Division
P.O. Box 2040
Hobbs, NM 88241

Surface Owner

Yucca Land Company
P.O. Box 2550
Hobbs, NM 88240

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Texland Petroleum-Hobbs, LLC
500 Throckmorton, Suite 3100
Ft. Worth, TX 76102-3818

4a. Article Number
P 436 313 654

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
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1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Saga Petroleum LLC
415 W. Wall, Suite 835
Midland, TX 79701

4a. Article Number
P 436 313 658

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

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I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Brothers Production Co., Inc.
P.O. Box 7515
Midland, TX 79708

4a. Article Number
P 436 313 659

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811,** December 1994 102595-97-B-0179 Domestic Return Receipt

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SENDER:
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I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Yale E. Key, Inc.
dba Key Energy Services,
Permian Basin Division
P.O. Box 2040
Hobbs, NM 88241

4a. Article Number
P 436 313 661

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811,** December 1994 102595-97-B-0179 Domestic Return Receipt

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- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Yucca Land Company
P.O. Box 2550
Hobbs, NM 88240

4a. Article Number
P 436 313 662

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811,** December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

December 31 1999

and ending with the issue dated

December 31 1999

Kathi Bearden

Publisher

Sworn and subscribed to before me this 3rd day of

January 2000

Jodi Henson

Notary Public.

My Commission expires
October 18, 2000
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
December 31, 1999

Notice is hereby given of the application of Altura Energy LTD, Attn: Mark Stephens, P.O. Box 4294, Rm. 338-B, Houston, TX 77210-4294 (281/552-1158), to the Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, for approval of the following injection wells for the purpose of secondary recovery:

Pool Name: Hobbs; Grayburg-San Andres
Lease/Unit Name: North Hobbs G/SA Unit
Well No. 231
Loc.; 2310' FSL & 2310' FWL, Unit Letter K, Sec. 19, T-18-S, R-38-E, Lea Co., NM
Well No. 422
Loc.: 2310' FNL & 330' FWL, Unit Letter H, Sec. 24, T-18-S, R-37-E, Lea Co., NM
Well No. 431
Loc.: 2310' FSL & 330' FEL, Unit Letter I, Sec. 25, T-18-S, R-37-E, Lea Co., NM
Well No. 131
Loc.: 2310' FSL & 330' FWL, Unit Letter L, Sec. 28, T-18-S, R-38-E, Lea Co., NM
Well No. 332
Loc.: 2470' FNL & 1800' FEL, Unit Letter G, Sec. 28, T-18-S, R-38-E, Lea Co., NM
Well No. 231
Loc.: 2310' FSL & 1650' FWL, Unit Letter K, Sec. 29, T-18-S, R-38-E, Lea Co., NM
Well No. 321
Loc.: 2310' FNL & 1650' FEL, Unit Letter G, Sec. 29, T-18-S, R-38-E, Lea Co., NM
Well No. 223
Loc.: 1770' FNL & 2405' FWL, Unit Letter F, Sec. 30, T-18-S, R-38-E, Lea Co., NM
Well No. 411
Loc.: 330' FNL & 3300' FEL, Unit Letter A, Sec. 30, T-18-S, R-38-E, Lea Co., NM
Well No. 211
Loc.: 440' FNL & 2310' FWL, Unit Letter C, Sec. 31, T-18-S, R-38-E, Lea Co., NM
Well No. 144
Loc.: 765' FSL & 1175' FWL, Unit Letter M, Sec. 32, T-18-S, R-38-E, Lea Co., NM
Well No. 312
Loc.: 210' FNL & 1400' FEL, Unit Letter B, Sec. 32, T-18-S, R-38-E, Lea Co., NM
Well No. 431
Loc.: 2310' FSL & 330' FEL, Unit Letter I, Sec. 32, T-18-S, R-38-E, Lea Co., NM
Well No. 111
Loc.: 330' FNL & 330' FWL, Unit Letter D, Sec. 33, T-18-S, R-38-E, Lea Co., NM
Well No. 211
Loc.: 330' FNL & 2310' FWL, Unit Letter C, Sec. 33, T-18-S, R-38-E, Lea Co., NM

The injection formation is the Hobbs; Grayburg - San Andres Pool between the intervals of +/- 3700' and +/- 5300' below the surface of the ground. Expected maximum injection rate is 4000 BWPD and the expected maximum injection pressure is approximately 805 psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, NM 87505 within fifteen (15) days.
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