

120276174 PMX

~~8/8/01~~



**Occidental Permian Limited Partnership**

Houston Office  
P.O. Box 4294  
Houston, TX 77210-4294  
(281) 552-1000

July 20, 2001

215

State of New Mexico  
Energy, Minerals & Natural Resources Department  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87504

01 JUL 24 AM 11:50  
OIL CONSERVATION DIVISION

RE: Expansion of Pressure Maintenance Project  
North Hobbs (Grayburg/San Andres) Unit  
Hobbs; Grayburg – San Andres Pool  
Well No. 141  
Letter M, Section 27, 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. 141 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. 141). 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)

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery  Pressure Maintenance \_\_\_\_\_ Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval?  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?  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: 7/20/01

\* 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

Attachment To Form C-108  
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit  
Well No. 141  
Letter M, Section 27, 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 (2 ea.) from nearby NHU No. 332 (Sec. 28)

- 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	(H <sub>2</sub> S)	486.00	16.00	30.38
Carbon Dioxide	(CO <sub>2</sub> )	Not Analyzed		
Dissovled Oxygen	(O <sub>2</sub> )	Not Analyzed		

### Cations

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

### Anions

Hydroxyl	(OH <sup>-</sup> )	Not Analyzed		
Carbonate	(CO <sub>3</sub> <sup>=</sup> )	0.00	30.00	0.00
Bicarbonate	(HCO <sub>3</sub> <sup>-</sup> )	1,869.66	61.10	30.60
Sulfate	(SO <sub>4</sub> <sup>=</sup> )	1,700.00	48.80	34.84
Chloride	(Cl <sup>-</sup> )	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 CaCO <sub>3</sub>		2,810.32		
Conductivity MICROMHOS/CM		23,500		

pH 6.500 Specific Gravity 60/60 F. 1.009

CaSO<sub>4</sub> Solubility @ 80 F. 46.63 MEq/L, CaSO<sub>4</sub> scale is unlikely

### CaCO<sub>3</sub> 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

*Nalco/Exxon Energy Chemicals*



**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 Well NHU 28332  
**SAMPLED BY**  
**DATE TAKEN** 8/8/00  
**REMARKS** T18S-R38E-Sec28; Qtr Sec 2,3,2

Barium as Ba	0	
Carbonate alkalinity PPM	36	
Bicarbonate alkalinity PPM	228	
pH at Lab	7.52	
Specific Gravity @ 60°F	1	
Magnesium as Mg	162	
Total Hardness as CaCO3	280	
Chlorides as Cl	118	
Sulfate as SO4	165	
Iron as Fe	0	
Potassium	0.1	
Hydrogen Sulfide	0	
Rw	14	@ 23° C
Total Dissolved Solids	831	
Calcium as Ca	118	
Nitrate	4	

Results reported as Parts per Million unless stated

Langelier Saturation Index -0.05

Analysis by: Vickie Walker  
Date: 8/11/00



**Laboratory Services, Inc.**

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Hobbs, New Mexico 88240  
Telephone: (505) 397-3713

**Water Analysis**

**COMPANY** Altura Energy Ltd,  
**SAMPLE** Fresh Water Well for Well NHU 28332  
**SAMPLED BY**  
**DATE TAKEN** 8/8/00  
**REMARKS** T18S-R38E-Sec28; Qtr Sec 2,3,2

Barium as Ba	0	
Carbonate alkalinity PPM	60	
Bicarbonate alkalinity PPM	212	
pH at Lab	7.44	
Specific Gravity @ 60°F	1	
Magnesium as Mg	169	
Total Hardness as CaCO3	292	
Chlorides as Cl	127	
Sulfate as SO4	120	
Iron as Fe	0.1	
Potassium	0.1	
Hydrogen Sulfide	0	
Rw	13	@ 23° C
Total Dissolved Solids	815	
Calcium as Ca	123	
Nitrate	3	

Results reported as Parts per Million unless stated

Langelier Saturation Index -0.23

Analysis by: Vickie Walker  
Date: 8/11/00

District I  
 P.O. Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 S. 1st Street, Artesia, NM 88210-2834  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

Revised October 18, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-025-07408</b>		<sup>2</sup> Pool Code <b>31920</b>		<sup>3</sup> Pool Name <b>Hobbs; Grayburg - San Andres</b>	
<sup>4</sup> Property Code <b>19520</b>		<sup>5</sup> Property Name <b>North Hobbs G/SA Unit</b>			<sup>6</sup> Well Number <b>141</b>
<sup>7</sup> OGRID No. <b>157984</b>		<sup>8</sup> Operator Name <b>Occidental Permian Limited Partnership</b>			<sup>9</sup> Elevation <b>3644</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>M</b>	<b>27</b>	<b>18-S</b>	<b>38-E</b>		<b>330</b>	<b>South</b>	<b>287</b>	<b>West</b>	<b>Lea</b>

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<sup>17</sup> OPERATOR CERTIFICATION			
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>			
	Signature: <u>Mark Stephens</u> Printed Name: <b>Mark Stephens</b> Title: <b>Business Analyst (SG)</b> Date: <b>July 20, 2001</b>			
<sup>18</sup> SURVEYOR CERTIFICATION				
<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>				
Date of Survey: _____ Signature and Seal of Professional Surveyer: _____				
Certificate Number: _____				

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
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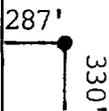
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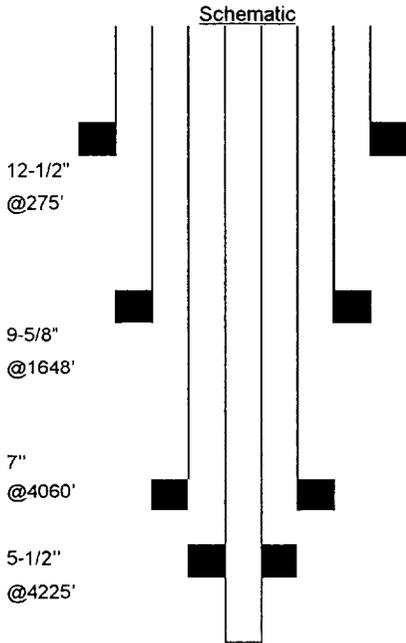
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										<i>Mark Stephens</i> Signature <b>Mark Stephens</b> Printed Name <b>Business Analyst (SG)</b> Title <b>July 20, 2001</b> Date
										<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was 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>
										Date of Survey Signature and Seal of Professional Surveyer:
										Certificate Number



**INJECTION WELL DATA SHEET**

Operator <b>Occidental Permian Limited Partnership</b>		Lease <b>North Hobbs G/SA Unit</b>		County <b>Lea</b>	
Well No. <b>27-141</b>	Footage Location <b>330' FSL &amp; 287' FWL</b>	Section <b>27</b>	Township <b>18-S</b>	Range <b>38-E</b>	Unit Letter <b>M</b>



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>NA</u>
Hole size _____			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>363</u> sxs.
TOC	<u>NA</u>	Determined by	<u>NA</u>
Hole size _____			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>2872'</u>	Determined by	<u>NA</u>
Hole size _____			
<u>Liner</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>100</u> sxs.
TOC	<u>3510</u>	Determined by	<u>CBL</u>
Hole size _____			
<u>Total depth</u>		<u>4257'</u>	

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

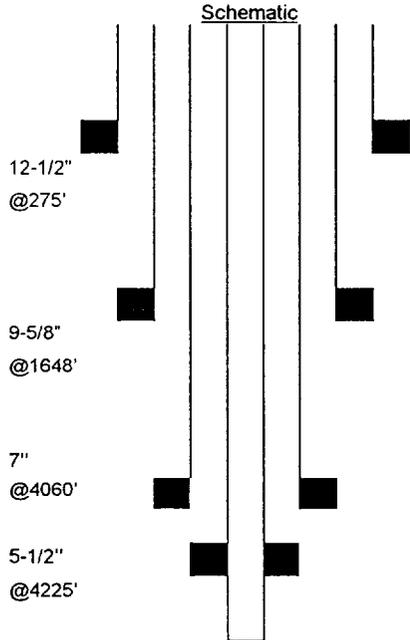
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None

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

Byers -- 3500, Glorieta – 5300

**INJECTION WELL DATA SHEET**

Operator <b>Occidental Permian Limited Partnership</b>		Lease <b>North Hobbs G/SA Unit</b>		County <b>Lea</b>	
Well No. <b>27-141</b>	Footage Location <b>330' FSL &amp; 287' FWL</b>	Section <b>27</b>	Township <b>18-S</b>	Range <b>38-E</b>	Unit Letter <b>M</b>



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>NA</u>
Hole size _____			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>363</u> sxs.
TOC	<u>NA</u>	Determined by	<u>NA</u>
Hole size _____			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>2872'</u>	Determined by	<u>NA</u>
Hole size _____			
<u>Liner</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>100</u> sxs.
TOC	<u>3510</u>	Determined by	<u>CBL</u>
Hole size _____			
Total depth	<u>4257'</u>		

Injection interval  
4100 feet to 4300 feet

Completion type Perforated Casing

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

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs
- Is this a new well drilled for injection? Yes  No   
If no, for what purpose was the well originally drilled? Producer
- 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) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.  
Byers – 3500, Glorieta – 5300







FOR WELLS: 23-441, 27-141

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator					Ltr			PBTD				8.625	12.25	1655	840	CIRC
Oxy								PBTD				5.5	7.875	4491	1061	CIRC
SHU #1	30-025-	7575	34	-18S	-38E	D	8/34	TA	4050	4080	4220	16	20	224	100	56
Oxy								CIBP				10.75	13.75	1647	350	494
												7	8.75	3976	1450	581
												5	6.25	4221	50	3360
SHU #2	30-025-	7571	34	-18S	-38E	E	8/32	P	4299	4084	4218	16	20	232	100	64
Oxy								PBTD				10.75	13.75	2776	400	1458
												8.625	12.25	3975	150	CIRC
												5.5	7.875	3919-4220	188	3000
SHU #210	30-025-	29677	34	-18S	-38E	D	5/86	TA	4075	4185	4360	16	20	40	26	CIRC
Oxy								CIBP				10.75	13.75	1650	911	CIRC
												7	8.75	4380	1256	CIRC
Turner Tr. 2 #30	30-025-	26375	33	-18S	-38E	E	2/80	P	7012	6665	6986	13.375	17.5	420	450	CIRC
Oxy								PBTD				9.625	12.25	4401	1250	CIRC
												7	8.75	7050	400	4045-TS

✓  
✓  
✓  
✓  
✓



W. D. Grimes #5  
Conoco  
Unit O, 1980 FEL & 660 FSL  
Sec 28, T-18S, R-38E

WELL PLUGGED:  
1/20/71

Size: 10.75"  
Depth: 422'  
Hole size: 13.75"  
Cmt: 300 sxs  
TOC: Circ.- Calc.  
50% efficiency

Capped well with 10 sx.  
Cement plug at surface.

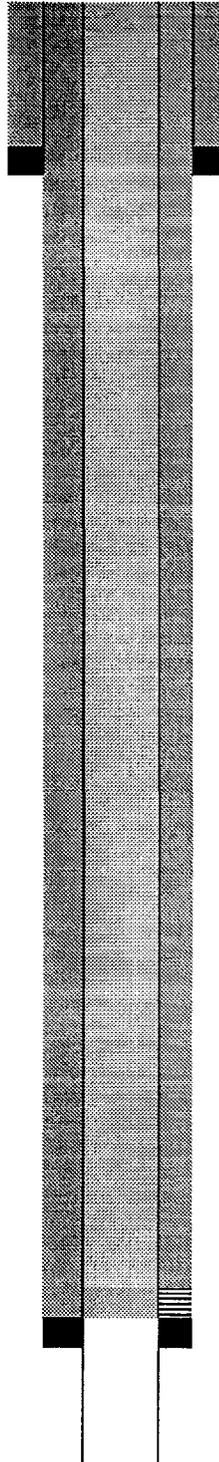
Left 5.5" casing in hole.

Filled well bore with 10# mud.

Size: 5.5"  
Depth: 3204'  
Hole size: 7.375"  
Cmt: 650 sxs  
TOC: Circ.- Calc.  
50% efficiency

TD: 3218'

Spotted 40 sx. Cement plug  
Over perms from 3199' to  
3209'.



37

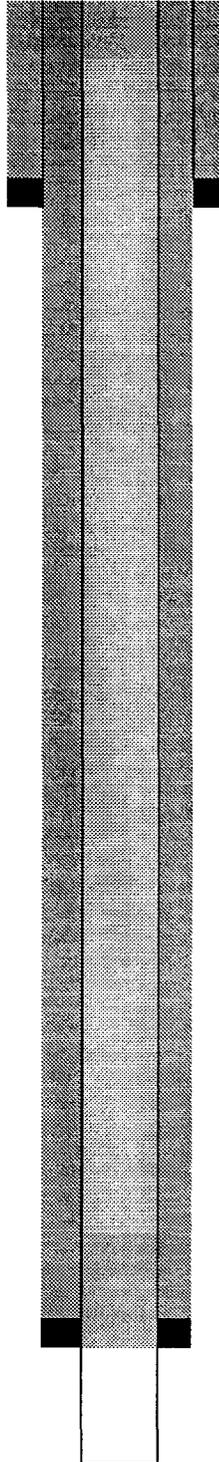


W. D. Grimes NCT-B #5  
Gulf  
Unit B,  
Sec 33, T-18S, R-38E

WELL PLUGGED:  
4/18/60

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

Spotted 10 sx cement plug  
From 80' to surface.



Loaded hole with heavy mud.

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

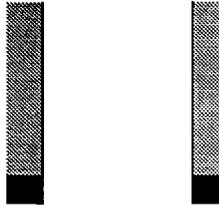
PBTD: 3055'-Cmt.

Spotted 35 sx cement plug  
At 3226' to 2946'.

**Sanger #1**  
**Roy H. King**  
**Unit O, SW ¼ of SE ¼**  
**Sec. 27, T-18S, R-38E**

WELL PLUGGED:  
1/14/48

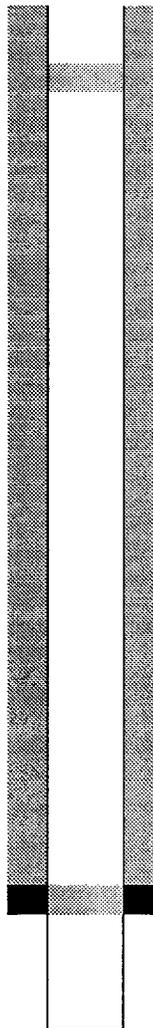
Size: 8.625"  
Depth: 234'  
Hole size: 11"  
Cmt: 200 sx.  
TOC: CIRC



Set 10 sx cement plug at 246'

Shot 5 ½" casing off at 1215'

Size: 5.5"  
Depth: 4060'  
Hole size: 7.875"  
Cmt: 350 sx.  
TOC: 1392'



Set 18 sx cement plug at  
1800' to 1850'.

TD:4286'

Set 25 sx cement plug in  
Bottom of hole.



LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE

LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit  
Well No. 141  
Letter M, Section 27, 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  
Fort Worth, TX 76102-3818

**Surface Owners**

Ed Kirkmeyer & Marilyn G. Kirkmeyer  
9029 Knowles Rd.  
Hobbs, NM 88240

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Received by <i>(Please Print Clearly)</i>	B. Date of Delivery
	C. Signature	
1. Article Addressed to:  <p style="text-align: center;">Texland Petroleum-Hobbs, LLC 500 Throckmorton, Suite 3100 Fort Worth, TX 76102-3818</p>	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number <i>(Copy from service label)</i> 7000 0600 0025 0797 2555	3. Service Type	
	<input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
PS Form 3811, July 1999	Domestic Return Receipt	102595-00-M-0952

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	C. Signature	
1. Article Addressed to:  <p style="text-align: center;">Ed &amp; Marilyn G. Kirkmeyer 9029 Knowles Rd. Hobbs, NM 88240</p>	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number <i>(Copy from service label)</i> 7000 0600 0025 0797 2562	3. Service Type	
	<input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
PS Form 3811, July 1999	Domestic Return Receipt	102595-00-M-0952

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 February 14 2001

and ending with the issue dated February 14 2001



Publisher

Sworn and subscribed to before

me this 14th day of

February 2001



Notary Public.

My Commission expires  
October 18, 2004  
(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**  
**February 14, 2001**

Notice is hereby given of the application of Occidental Permian Limited Partnership, 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. 441  
Loc.: 990' FSL & 330' FEL, Unit Letter P, Sec. 23, T-18-S, R-37-E, Lea Co., NM  
Well No. 141  
Loc.: 330' FSL & 287' FWL, Unit Letter M, Sec. 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, 1220 S. St. Francis Dr., Santa Fe, NM 87504 within fifteen (15) days. #17940

02101173000      01546545  
Occidental Permian Limited  
P. O. Box 4294  
Houston, TX 77210-4294

***New Mexico Oil Conservation Division---Engineering Bureau  
Administrative Application Process Documentation***

**Date Application Received:** 7/24/01

**Date of Preliminary Review:** 7/25/01  
(Note: Must be within 10-days of received date)

**Results:**        Application Complete   X   Application Incomplete

**Date Incomplete Letter Sent:** 7/25/01

**Deadline to Submit Requested Information:** 8/1/01

**Phone Call Date:** 8/13/01  
(Note: Only applies if requested data is not submitted within the 7-day deadline)

**Phone Log Completed?**   X   Yes        No

**Date Application Processed:** \_\_\_\_\_

**Date Application Returned:** \_\_\_\_\_  
(Note: Only as a last resort & only after repeated attempts by the Division to obtain the necessary information to process the application)



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

7/26/01

Lori Wrotenbery  
Director  
Oil Conservation Division

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RE: Proposed:  
MC \_\_\_\_\_  
DHC \_\_\_\_\_  
NSL \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX   X   \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Occidental Permian LP N Hobbs GB/SA U4 # 141-17-27-182-380  
Operator Lease & Well No. Unit S-T-R 30-025-07408

and my recommendations are as follows:

Check well 30-025-12489 TOC on lines in <sup>approximately</sup> 100 feet  
above perp.

Yours very truly,

Chris Williams  
Supervisor, District 1

OIL CONSERVATION DIVISION

TELEPHONE LOG

COMPANY NAME: Oxy

PROPERTY NAME: North Hill Cob-PA Unit

RESPONSIBLE OFFICIAL: Mark Stevens

APPLICATION NUMBER: 120546198

NAME OF ENGINEER: Catana L.

DATE CALLED: 2/13/01

TIME CALLED: 2:10 PM

NOTES:



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

July 25, 2001

**Lori Wrotenbery**  
Director  
Oil Conservation Division

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

Attention: Mr. Mark Stephens

Re: Form C-108 Application  
North Hobbs Gb/SA Unit No. 141

Dear Mr. Stephens:

This letter acknowledges the receipt of your administrative application dated July 20, 2001, to convert the North Hobbs Gb/SA Unit Well No. 141, located in Section 27, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, to an injection well within the waterflood project. The Division received your application on July 24, 2001.

Our preliminary review indicates that the information provided in the application is not sufficient to process the administrative order. The following information is necessary:

- a) **Administrative Application Checklist**
- b) **The publication notice published in the Hobbs News-Sun does not show the Section number for the subject well. Notice will have to be re-published.**

Since the submitted information is insufficient to review, the application was **Ruled Incomplete** on July 25, 2001. Please submit the above stated information by August 1, 2001.

The Division cannot proceed with your application until the required information is submitted. Upon receipt, the division will continue to process your application. The additional information can be faxed, or mailed to the Division. If the necessary information is not submitted, your application will be returned to you.

If you have any questions, please contact me in Santa Fe, at (505) 476-3466.

Sincerely,

David Catanach  
Petroleum Engineer



**Occidental Permian Limited Partnership**

---

Houston Office  
P.O. Box 4294  
Houston, TX 77210-4294  
(281) 552-1000

August 14, 2001

New Mexico Energy, Minerals & Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Attn: Mr. David Catanach  
Petroleum Engineer

Re: Form C-108 Application  
North Hobbs Gb/SA Unit Well Nos. 141 & 441  
Lea Co., New Mexico

Dear Mr. Catanach:

Per your correspondence dated July 25, 2001, attached please find the following documentation submitted in support of our C-108 filing for the subject 2 wells:

- Administrative Application Checklist
- Proof of Notification to Offset Operator(s) and Surface Owner(s)
- Legal Notice (republished August 2, 2001)

If you have any questions or require additional information, please call me at (281) 552-1158.

Very truly yours,

*Mark Stephens*

Mark Stephens

Business Analyst (SG)

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
---------	----------	----------	-----------	------	---------

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR

- [D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners  
 [B]  Offset Operators, Leaseholders or Surface Owner  
 [C]  Application is One Which Requires Published Legal Notice  
 [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Mark Stephens

Print or Type Name

*Mark Stephens*

Signature

Business Analyst (SG)

Title

8 / 14/01

Date

Mark\_Stephens@oxy.com

e-mail Address

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

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

2. Article Number (Copy from service label)  
 7000 0600 0025 0797 2548

PS Form 3811, July 1999

Domestic Return Receipt

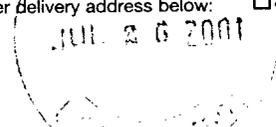
102595-00-M-0952

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature  
 X *[Signature]*  Agent  
 Addressee

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No



3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

**SENDER: COMPLETE THIS SECTION**

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1. Article Addressed to:

Texland Petroleum-Hobbs, LLC  
~~500 Throckmorton, Suite 3100~~  
 Fort Worth, TX 76102-3818

*777 MAIN  
 3200*

2. Article Number (Copy from service label)  
 7000 0600 0025 0797 2555

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

*PAUL NEWCOMB JUL 26 2001*  
 C. Signature  
 X *[Signature]*  Agent  
 Addressee

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

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 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
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1. Article Addressed to:

Ed & Marilyn G. Kirkmeyer  
 9029 Knowles Rd.  
 Hobbs, NM 88240

2. Article Number (Copy from service label)  
 7000 0600 0025 0797 2562

PS Form 3811, July 1999

Domestic Return Receipt

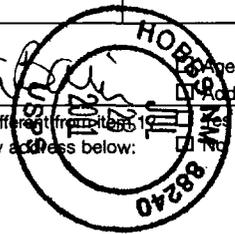
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AFFIDAVIT OF PUBLICATION

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 August 2 2001

and ending with the issue dated August 2 2001

Kathi Bearden  
Publisher

Sworn and subscribed to before

me this 2nd day of

August 2001

Jodi Henson  
Notary Public.

My Commission expires  
October 18, 2004  
(Seal)

**LEGAL NOTICE**  
**August 2, 2001**

Notice is hereby given of the application of Occidental Permian Limited Partnership, 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:

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Lease/Unit Name: North Hobbs G/SA Unit  
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Loc.: 990' FSL & 330' FEL, Unit Letter P, Sec. 23, T-18-S, R-37-E, Lea Co., NM  
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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.

02101173000      67501816  
Occidental Permian Limited  
P. O. Box 4294  
Houston, TX 77210-4294



NEW MEXICO ENERGY, MINERALS and  
NATURAL RESOURCES DEPARTMENT

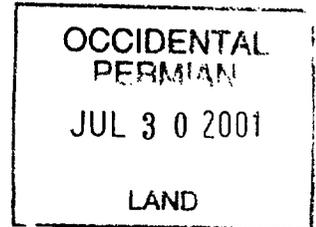
GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

July 25, 2001

Lori Wrotenbery  
Director  
Oil Conservation Division

COPY

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



Attention: Mr. Mark Stephens

Re: Form C-108 Application  
North Hobbs Gb/SA Unit No. 141

Dear Mr. Stephens:

This letter acknowledges the receipt of your administrative application dated July 20, 2001, to convert the North Hobbs Gb/SA Unit Well No. 141, located in Section 27, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, to an injection well within the waterflood project. The Division received your application on July 24, 2001.

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Sincerely,

David Catanach  
Petroleum Engineer



NEW MEXICO ENERGY, MINERALS and  
NATURAL RESOURCES DEPARTMENT

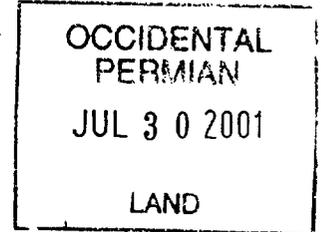
GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

Lori Wrotenbery  
Director  
Oil Conservation Division

July 25, 2001

COPY

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



Attention: Mr. Mark Stephens

Re: Form C-108 Application  
North Hobbs Gb/SA Unit No. 441

Dear Mr. Stephens:

This letter acknowledges the receipt of your administrative application dated July 20, 2001, to convert the North Hobbs Gb/SA Unit Well No. 441, located in Section 23, Township 18 South, Range 37 East, NMPM, Lea County, New Mexico, to an injection well within the waterflood project. The Division received your application on July 24, 2001.

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