



PMX 12/7/99
201

November 16, 1999

NOV 22 1999

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

RE: Expansion of Pressure Maintenance Project
North Hobbs (Grayburg/San Andres) Unit
Hobbs; Grayburg -- San Andres Pool
Well No. 313
Letter B, Section 30, T-18-S, R-38-E
Lea County, NM

Gentlemen:

Altura Energy LTD respectfully requests administrative approval for expansion of the subject pressure maintenance project by converting North Hobbs (G/SA) Unit Well No. 313 from production to water injection. Administrative Order No. R-6199 granted November 30, 1979, authorized Shell Western E&P Inc. (Altura'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. 313). 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
- Schematics of plugged wells that are 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
P.O. Box 1980
Hobbs, NM 88241

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)

Attachment To Form C-108
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit
Well No. 313
Letter B, Section 30, 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
(Champion Technologies, Inc. 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. Altura Energy LTD 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.

APPLICATION FOR AUTHORIZATION TO INJECT

✓ I. PURPOSE: _____ Secondary Recovery ☒ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No

✓ II. OPERATOR: Altura Energy LTD

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: 11/16/99

* 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.



P.O. BOX 2187
HOBBS, NEW MEXICO 88240

Saturation Index Calculations

Champion Technologies, Inc.
(Based on the Tomson-Oddo Model)

Telephone (505) 393-7726

Site Information

| | |
|---------|------------------|
| Company | Altura |
| Field | North Hobbs Unit |
| Point | IPD |
| Date | 4/15/98 |

Water Analysis (mg/L)

| | |
|------------------------|-------|
| Calcium | 1,122 |
| Magnesium | 194 |
| Barium | 0 |
| Strontium | 0 |
| Sodium* | 3730 |
| Bicarbonate Alkalinity | 1,769 |
| Sulfate | 1,726 |
| Chloride | 6,000 |

Appended Data

| | |
|------------------|-------------|
| Dissolved CO2 | 228 mg/L |
| Dissolved O2 | N/A PPB |
| H2S | 596 mg/L |
| Iron | 0.0 mg/L |
| Specific Gravity | 1.010 value |
| TDS | 14551 mg/L |
| Total Hardness | 3600 mg/L |
| Well head pH | N/A value |

* - Calculated Value

Physical Properties

| | |
|-----------------|----------|
| Ionic Strength* | 0.29 |
| pH† | 6.52 |
| Temperature | 86°F |
| Pressure | 100 psia |

* - Calculated Value † - Known/Specified Value

Calcite Calculation Information

| Calculation Method | Value |
|--------------------------------------|-------|
| pH | 6.52 |
| Bicarbonate Alkalinity Correction(s) | Value |
| None Used | --- |

SI & PTB Results

| Scale Type | SI | PTB |
|-------------------------------|-------|-------|
| Calcite (Calcium Carbonate) | 0.48 | 310.4 |
| Gypsum (Calcium Sulfate) | -0.45 | N/A |
| Hemihydrate (Calcium Sulfate) | -0.32 | N/A |
| Anhydrite (Calcium Sulfate) | -0.72 | N/A |
| Barite (Barium Sulfate) | N/A | N/A |
| Celestite (Strontium Sulfate) | N/A | N/A |

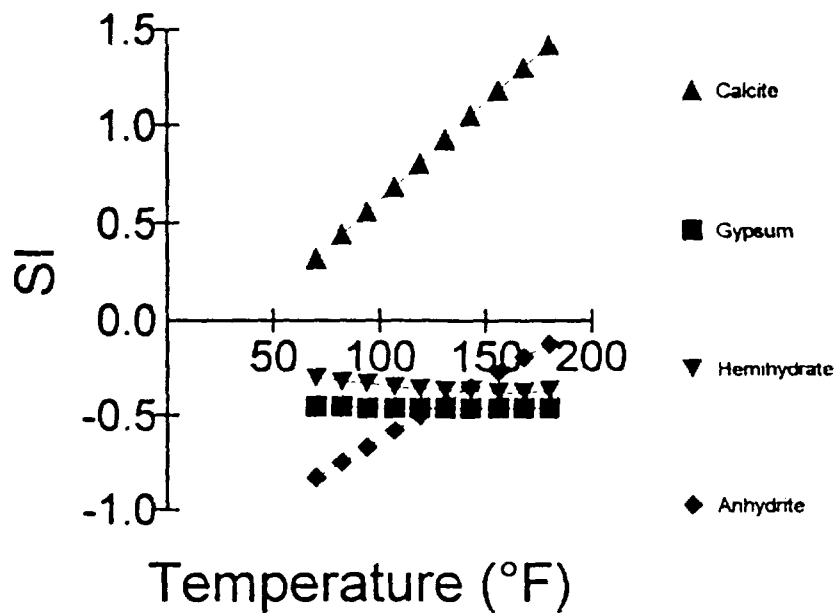
Site Information

| | |
|---------|------------------|
| Company | Altura |
| Field | North Hobbs Unit |
| Point | IPD |
| Date | 4/15/98 |

SI Results

| Temperature (°F) | Calcite | Gypsum | Hemihydrate | Anhydrite |
|------------------|---------|--------|-------------|-----------|
| 70 | 0.32 | -0.45 | -0.30 | -0.83 |
| 82 | 0.44 | -0.45 | -0.32 | -0.75 |
| 94 | 0.56 | -0.46 | -0.33 | -0.67 |
| 107 | 0.69 | -0.46 | -0.35 | -0.58 |
| 119 | 0.81 | -0.46 | -0.36 | -0.50 |
| 131 | 0.93 | -0.46 | -0.37 | -0.43 |
| 143 | 1.05 | -0.46 | -0.37 | -0.35 |
| 156 | 1.18 | -0.46 | -0.38 | -0.27 |
| 168 | 1.30 | -0.46 | -0.38 | -0.19 |
| 180 | 1.42 | -0.46 | -0.37 | -0.12 |

SI



**Laboratory Services, Inc.**

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

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE 18S-38E-Sec 30 NW1/4, NE1/4, SW1/4, SE1/4, SW1/4
SAMPLED BY David Nelson

DATE TAKEN 10/12/99

REMARKS

| | | |
|-------------------------------------|-------|------|
| Barium as Ba | 0 | |
| Carbonate alkalinity PPM | 0 | |
| Bicarbonate alkalinity PPM | 212 | |
| pH at Lab | 7.46 | |
| Specific Gravity @ 60°F | 1.001 | |
| Magnesium as Mg | 172 | |
| Total Hardness as CaCO ₃ | 296 | |
| Chlorides as Cl | 85 | |
| Sulfate as SO ₄ | 135 | |
| Iron as Fe | 0.01 | |
| Potassium | 0.1 | |
| Hydrogen Sulfide | 0 | |
| Rw | 7 | 23 C |
| Total Dissolved Solids | 922 | |
| Calcium as Ca | 124 | |
| Nitrate | 7.9 | |

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.04

Analysis by: Rolland Perry
Date: 10/19/99

**Laboratory Services, Inc.**

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

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE 18S-38E-Sec30 NE1/4, SW1/4, SW1/4
SAMPLED BY David Nelson

DATE TAKEN 10/12/99

REMARKS

| | | |
|----------------------------|-------|------|
| Barium as Ba | 0 | |
| Carbonate alkalinity PPM | 0 | |
| Bicarbonate alkalinity PPM | 204 | |
| pH at Lab | 7.52 | |
| Specific Gravity @ 60°F | 1.001 | |
| Magnesium as Mg | 125 | |
| Total Hardness as CaCO3 | 216 | |
| Chlorides as Cl | 64 | |
| Sulfate as SO4 | 55 | |
| Iron as Fe | 0.01 | |
| Potassium | 0.1 | |
| Hydrogen Sulfide | 0 | |
| Rw | 9 | 23 C |
| Total Dissolved Solids | 595 | |
| Calcium as Ca | 91 | |
| Nitrate | 1.2 | |

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.18

Analysis by: Rolland Perry
Date: 10/19/99

DISTRICT I
P.O. Box 1960, Hobbs, NM 88241-1960

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|----------------------------|--|---|
| API Number 30-025-23270 | Pool Code 31920 | Pool Name HOBBS; GRAYBURG - SAN ANDRES |
| Property Code 19520 | Property Name NORTH HOBBS G/SA UNIT | Well Number 313 |
| OGRID No. 157984 | Operator Name ALTURA ENERGY LTD. | Elevation 3654 |

Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot No. B | Section 30 | Township 18 S | Range 38 E | Lot Idn | Feet from the 408 | North/South line NORTH | Feet from the 2273 | East/West line EAST | County 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

| | | | |
|----------------------|--|-----------|--|
| LOT 1 37.81 ACRES | SPC NME NAD 27 Y=629178 X=852800 | WELL #313 | OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Mark Stephens</u> Signature Mark Stephens Printed Name Business Analyst (SG) Title November 16, 1999 Date |
| LOT 2 37.85 ACRES | | | 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. JULY 20, 1999 Date Surveyed Signature of Professional Surveyor RONALD J. EDSON Professional Surveyor NEW MEXICO 3239 99-11-0591 CERTIFIED PROFESSIONAL SURVEYOR No. 3239 12641 EDONALD 12185 |
| LOT 3 37.87 ACRES | | | |
| LOT 4 37.91 ACRES | | | |

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

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|----------------------------|--|---|
| API Number 30-025-23270 | Pool Code 31920 | Pool Name HOBBS; GRAYBURG - SAN ANDRES |
| Property Code 19520 | Property Name NORTH HOBBS G/SA UNIT | Well Number 313 |
| OGRID No. 157984 | Operator Name ALTURA ENERGY LTD. | Elevation 3654 |

Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot No. B | Section 30 | Township 18 S | Range 38 E | Lot Idn | Feet from the 408 | North/South line NORTH | Feet from the 2273 | East/West line EAST | County 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

| | | | |
|----------------------|--|-------------------|-------|
| LOT 1 37.81 ACRES | SPC NME NAD 27 Y=629178 X=852800 | WELL #313 408' | 2273' |
| LOT 2 37.85 ACRES | | | |
| LOT 3 37.87 ACRES | | | |
| LOT 4 37.91 ACRES | | | |

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
November 16, 1999
Date

SURVEYOR CERTIFICATION

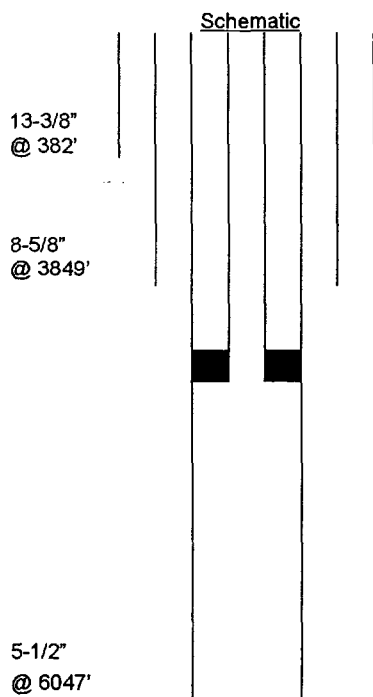
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 20, 1999
Date Surveyed
DMCC
Signature
Professional Surveyor
RONALD J. EDSON
NEW MEXICO
3239
99-11-059
Certificate No. RONALD J. EDSON 3239
12641
12:85

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

INJECTION WELL DATA SHEET

| | | | | | |
|---------------------------------------|---|---------------------------------------|-------------------------|----------------------|-------------------------|
| Operator Altura Energy LTD. | | Lease North Hobbs G/SA Unit | | County Lea | |
| Well No. 30-313 | Footage Location 405 FNL & 2272 FEL | Section 30 | Township 18-S | Range 38-E | Unit Letter B |



| <u>Tubular Data</u> | |
|--|--------------------------------|
| <u>Surface Casing</u> | |
| Size 13-3/8 | Cemented with 400 sxs. |
| TOC Surf | Determined by Circ. |
| Hole size _____ | |
| <u>Intermediate Casing</u> | |
| Size 8-5/8 | Cemented with 1256 sxs. |
| TOC 600 | Determined by T.S. |
| Hole size _____ | |
| <u>Long string Casing</u> | |
| Size 5-1/2" | Cemented with 570 sxs. |
| TOC 1500' | Determined by T.S. |
| Hole size _____ | |
| Total depth 6047 | |
| <u>Injection interval</u> | |
| 4000 | feet to 4350 feet |
| <u>Completion type</u> Perforations | |

Tubing size **2-7/8"** lined with **Fiberglass Epoxy** set in a
Giberson Uni VI packer at **±3950** feet
 (brand and model)

Other Data

- Name of the injection formation **San Andres**
- Name of field or Pool **Hobbs (Grayburg/San Andres) Pool**
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? **San Andres 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)
Blinberry (5851-5951'), capped with CIBP and Cmt at 5750 & 5835
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Grayburg - 3700, Glorieta - 5300

Active wells within 1/2 mile radius of proposed 30-313 conversion

| Well Name | Oper | API No. | Sec. | T | R | Un | Drill Date | Well Type | TD or PBT | Top Perf | Bot. Perf | Sqz. Perfs | Csg. Size | Hole Size | Depth | No. of Sxs. | TOC |
|-----------|--------|--------------|------|------|------|----|------------|-----------|-------------|----------|-----------|------------|-----------|-----------|-----------|-------------|----------|
| 19142 | Altura | 30-025-27138 | 19 | -18S | -38E | N | 07/12/1981 | Inj | 4437 | 4170 | 4270 | | 16 | | 40 | 40 | SURF |
| | | | | | | | | | | | | | 8.625 | 12.25 | 1600 | 875 | CIRC |
| | | | | | | | | | | | | | 5.5 | 7.875 | 4510 | 900 | 3450 CBL |
| 19241 | Altura | 30-025-07364 | 19 | -18S | -38E | N | 9/30 | Prod | 4244 | 4128 | 4232 | | 9.625 | 12.25 | 2750 | 600 | |
| | | | | | | | | | | | | | 7 | 8.75 | 3975 | 225 | 3230 CBL |
| | | | | | | | | | | | | | 5.5 Lnr | 6.75 | 3936-4246 | 100 | 3936 |
| 19242 | Altura | 30-025-23481 | 19 | -18S | -38E | N | 05/26/1970 | Prod | 4186 | 4114 | 4179 | 4192-97 | 13.375 | 17.5 | 360 | 360 | CIRC |
| | | | | | | | | | | | | 4240-76 | 9.625 | 12.25 | 3794 | 500 | 2530 |
| | | | | | | | | | | | | | 5.5 Lnr | 8.75 | 3557-7103 | 950 | 3630 CBL |
| 19332 | Altura | 30-025-29195 | 19 | -18S | -38E | J | 06/18/1985 | Inj | 4316 | 4184 | 4232 | 4064-65 | 13.375 | 17.5 | 40 | ?? | CIRC |
| | | | | | | | | | | | | 4101-05 | 9.625 | 12.25 | 1510 | 625 | CIRC |
| | | | | | | | | | | | | | 7 | 8.75 | 4368 | 955 | CIRC |
| 19341 | Altura | 30-025-12491 | 19 | -18S | -38E | O | 09/06/1930 | Prod | 4005 (CIBP) | 4140 | 4272 | | 9.625 | 12.25 | 2750 | 600 | |
| | | | | | | | | | | | | | 7 | 8.75 | 3975 | 225 | 3299 CBL |
| | | | | | | | | | | | | | 5.5 Lnr | 6.75 | 3937-4245 | 100 | 3937 |
| 19431 | Altura | 30-025-22601 | 19 | -18S | -38E | I | 7/68 | Inj | 4281 | 4197 | 4266 | 4151-53 | 7.875 | 9.875 | 277 | 200 | CIRC |
| | | | | | | | | | | | | 4176-85 | 4.5 | 6.25 | 4285 | 435 | 2537 CBL |
| 19441 | Altura | 30-025-07366 | 19 | -18S | -38E | P | 12/32 | Prod | 4030 (CIBP) | 4185 | 4236 | | 9 | 12 | 2775 | 600 | CIRC |
| | | | | | | | | | | | | | 6.625 | 8 | 3982 | 200 | 3090 CBL |
| | | | | | | | | | | | | | 5 Lnr | 6.25 | 3949-4241 | 100 | 3949 |
| 19442 | Altura | 30-025-28881 | 19 | -18S | -38E | P | 11/84 | Inj | 4292 | 4156 | 4283 | | 13.375 | 18 | 50 | | |
| | | | | | | | | | | | | | 8.625 | 11 | 1525 | 620 | Circ |
| | | | | | | | | | | | | | 5.5 | 7 | 4369 | 1320 | Circ |
| 30111 | Altura | 30-025-07077 | 30 | -18S | -38E | D | 7/30 | Prod | 4200 | 4042 | 4227 | 4081-92 | 9.625 | | 2755 | 450 | 1700 |
| | | | | | | | | | | | | 4120-28 | 7 | | 3851 | 200 | 2836 CBL |
| | | | | | | | | | | | | 4138-68 | 4.5 Lnr | | 3784-4229 | 220 | 3784 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Note: Calculated TOC's are estimated with 50% efficiency

Active wells within 1/2 mile radius of proposed 30-313 conversion

| Well Name | Oper | API No. | Sec. | T | R | Un Ltr | Drill Date | Well Type | TD or PBT | Top Perf | Bot. Perf | Sq. Perfs | Csg. Size | Hole Size | Depth | No. of Sxs. | TOC |
|-----------|--------|--------------|------|------|------|--------|------------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|-----------|-------------|----------|
| 30112 | Altura | 30-025-29063 | 30 | -18S | -38E | D | 3/85 | Prod | 4000 CIBP | 4034 | 4264 | | 13.375 | | 40 | | |
| | | | | | | | | | | | | | 9.625 | | 1520 | 250 | Circ |
| | | | | | | | | | | | | | 7 | | 4369 | 675 | Circ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 30211 | Altura | 30-025-07463 | 30 | -18S | -38E | C | 8/30 | Prod | 4254 | 4149 | 4250 | 4078 | 9.625 | | 2647 | 400 | |
| | | | | | | | | | | | | 4086 | 6.625 | | 3972 | 250 | 3130 CBL |
| | | | | | | | | | | | | 4100 | 5 Lnr | | 3867-4310 | 100 | Circ |
| | | | | | | | | | | | | | | | | | |
| 30221 | Altura | 30-025-07462 | 30 | -18S | -38E | F | 4/30 | Prod | 4279 | 4072 | 4208-79 | | 9.625 | 11.75 | 2750 | 535 | 787 |
| | | | | | | | | | | | OH | 4023-25 | 7 | 8.25 | 3852 | 250 | 1500 CBL |
| | | | | | | | | | | | | 4081-4104 | 4.5 Lnr | 6.25 | 3799-4207 | 125 | 3799 |
| | | | | | | | | | | | | 4120-28 | | | | | |
| | | | | | | | | | | | | | | | | | |
| 30222 | Altura | 30-025-26833 | 30 | -18S | -38E | F | 10/80 | Inj | 4290 CIBP | 4123 | 4302 | 3718 | 16 | 20 | 40 | 40 | Surf |
| | | | | | | | | | | | | 4322-29 | 8.625 | 12.25 | 1570 | 950 | Surf |
| | | | | | | | | | | | | | 5.5 | 7.875 | 4349 | 800 | 2608 CBL |
| | | | | | | | | | | | | | | | | | |
| 30223 | Altura | 30-025-28555 | 30 | -18S | -38E | F | 7/84 | Prod | 4321 | 4139 | 4280 | | 16 | | 30 | | |
| | | | | | | | | | | | | | 8.625 | | 1455 | 650 | Circ |
| | | | | | | | | | | | | | 5.5 | | 4394 | 250 | 2496 CBL |
| | | | | | | | | | | | | | | | | | |
| 30311 | Altura | 30-025-07469 | 30 | -18S | -38E | B | 8/30 | Prod | 3950 CIBP | 3998-4121 (OH) | | | 12.5 | 16 | 245 | 200 | Circ |
| | | | | | | | | | | | | | 9.625 | 11.75 | 2753 | 600 | 551 |
| | | | | | | | | | | | | | 7 | 8.75 | 3998 | 250 | 3154 CBL |
| | | | | | | | | | | | | | | | | | |
| 30312 | Altura | 30-025-29197 | 30 | -18S | -38E | B | 5/85 | Prod | 4380 | 4215 | 4333 | | 13.375 | | 40 | | |
| | | | | | | | | | | | | | 9.625 | | 1500 | 650 | CIRC |
| | | | | | | | | | | | | | 7 | | 4431 | 700 | CIRC |
| | | | | | | | | | | | | | | | | | |
| 30321 | Altura | 30-025-07467 | 30 | -18S | -38E | G | 7/30 | Prod | 4257 | 4130 | 4196 | 4030-60 | 9.625 | 11.75 | 2755 | 600 | 553 |
| | | | | | | | | | | | | | 7 | 8.75 | 3854 | 250 | 2342 |
| | | | | | | | | | | | | | 5 | 7 | 4200 | 405 | Circ/CBL |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Note: Calculated TOC's are estimated with 50% efficiency

Active wells within 1/2 mile radius of proposed 30-313 conversion

| Well Name | Oper | API No. | Sec. | T | R | Un Ltr | Drill Date | Well Type | TD or PBT | Top Perf | Bot. Perf | Sq. Perfs | Csg. Size | Hole Size | Depth | No. of Sxs. | TOC |
|-----------|--------|--------------|------|------|------|--------|------------|-----------|-----------|----------|-----------|--------------------|---------------------------|-----------------------|---------------------------|-------------------|--------------------------|
| 30331 | Altura | 30-025-07472 | 30 | -18S | -38E | J | 9/30 | Prod | 4225 | 4014 | 4225 | 4068-72 4074-92 | 9.625 7 | 12 8.75 | 2750 3960 | 650 300 | 1000 Circ |
| | | | | | | | | | | | | | 5.5 | 6.125 | 4238 | 30 | 3650 CBL |
| 30332 | Altura | 30-025-28954 | 30 | -18S | -38E | J | 5/85 | Prod | 4323 | 4103 | 4288 | | 13.375 9.625 | | 40 1503 | | |
| | | | | | | | | | | | | | 7 | | 4371 | 800 | Circ |
| 30411 | Altura | 30-025-07470 | 30 | -18S | -38E | A | 12/32 | Prod | 4000 | 4177 | 4287 | 4056-4124 | 9.625 6.625 4.5 Lnr | 11.75 8.25 5.75 | 2756 4042 3883-4300 | 600 250 75 | 554 3210 CBL 3883 |
| 30412 | Altura | 30-025-23384 | 30 | -18S | -38E | A | 1/70 | Prod | 4300 | 4009 | 4261 | 4142-4225 | 13.375 9.625 | 17.5 12.25 | 329 3848 | 400 1200 | Circ 75 |
| | | | | | | | | | | | | | 7 | 8.75 | 7106 | 865 | Circ |
| 30421 | Altura | 30-025-07468 | 30 | -18S | -38E | H | 7/30 | Prod | 4258 | 4114 | 4202-58 | | 9.625 7 5 | 11.75 8.75 6.25 | 2756 3858 4202 | 600 250 450 | 554 Circ Surf/CBL |
| 30422 | Altura | 30-025-27059 | 30 | -18S | -38E | H | 5/81 | Inj | 4477 | 4110 | 4265 | 4108-23 | 16 8.625 5.5 | 20 12.25 7.875 | 40 1524 4510 | 40 850 1000 | Surf Circ 2500 CBL |

Note: Calculated TOC's are estimated with 50% efficiency

Active Outside Operated wells within 1/2 mile radius of proposed 30-313 conversion

| Well Name | API No. | Sec. | T | R | Un | Drill Date | Well Type | TD or PBD | Top Perf | Bot. Perf | Sqz. Perfs | Csg. Size | Hole Size | Depth | No. of Sxs. | TOC |
|----------------|---------------|------|------|------|-----|------------|-----------|-----------|----------|-----------|------------|-----------|-----------|-------|-------------|---------|
| Oper | | | | | Ltr | | | | | | | | | | | |
| HD McKinley #9 | 30-025- 23221 | 30 | -18S | -38E | G | 8//69 | Prod | 6961 | 5761 | 6965 | | 13.375 | 17.5 | 378 | 400 | Circ. |
| Getty | | | | | | | | CIBP | | | | 9.625 | 12.25 | 3851 | 1748 | Circ. |
| | | | | | | | | | | | | 7 | 8.75 | 6999 | 650 | 2700 TS |
| Seed St 30 #1 | 30-025- 22994 | 30 | -18S | -38E | K | 2//69 | Prod | 45 | 10 | 45 | | 7 | 8.5 | 10 | 2 | No data |
| C.E. Seed | | | | | | | | | OH | | | | | | | |
| Seed St 30 #2 | 30-025- 22995 | 30 | -18S | -38E | K | 2//69 | Prod | 45 | 10 | 45 | | 7 | 8.5 | 10 | 2 | No data |
| C.E. Seed | | | | | | | | | OH | | | | | | | |
| Seed St 30 #6 | 30-025- 22319 | 30 | -18S | -38E | K | 2//69 | Prod | 45 | 10 | 45 | | 7 | 8.5 | 10 | 2 | No data |
| C.E. Seed | | | | | | | | | OH | | | | | | | |
| Seed St 30 #7 | 30-025- 22320 | 30 | -18S | -38E | K | 2//69 | Prod | 45 | 10 | 45 | | 7 | 8.5 | 10 | 2 | No data |
| C.E. Seed | | | | | | | | | OH | | | | | | | |

Note: 'c' in TOC column denotes calculated cmt top w/ 50% efficiency.

Plugged wells within 1/2 mile radius of proposed 30-313 conversion

| Well Name | API No. | Sec. | T | R | Un | Drill Date | Well Type | TD or PBTD | Top Perf | Bot. Perf | Sqz. Perfs | Csg. Size | Hole Size | Depth | No. of Sxs. | TOC |
|------------------|---------------|------|------|------|-----|------------|-----------|------------|----------|-----------|------------|-----------|-----------|-------|-------------|----------|
| Oper | | | | | Ltr | | | | | | | | | | | |
| B.A. Bowers #2 | 30-025- 08045 | 30 | -18S | -38E | J | 5/1/30 | PA | 242 | No data | No data | | 12.5 | | 242 | 225 | Surf 'c' |
| Exxon | | | | | | | | | | | | | | | | |
| Bowers Fed. B #1 | 30-025- 07452 | 29 | -18S | -38E | D | 9/1/32 | PA | 4239 | 4181 | 4239 | | 15.5 | | 235 | 225 | No data |
| Exxon | | | | | | | | | OH | | | 9.625 | 12.25 | 2716 | 650 | Surf 'c' |
| | | | | | | | | | | | | 7 | 8.75 | 3987 | 300 | 2027 'c' |
| H.D. McKinley #6 | 30-025- 07488 | 30 | -18S | -38E | G | 6/1/47 | PA | 3200 | 3178 | 3200 | | 8.625 | 11 | 1474 | 400 | Circ. |
| Getty | | | | | | | | | OH | | | 5.5 | 6.875 | 3178 | 200 | 498 'c' |
| H.D. McKinley #7 | 30-025- 07489 | 30 | -18S | -38E | B | 7/1/47 | PA | 3224 | 3192 | 3224 | | 8.625 | 11 | 1504 | 400 | Surf 'c' |
| Getty | | | | | | | | | OH | | | 5.5 | 7 | 3192 | 200 | 918 'c' |
| HD McKinley #5 | 30-025- 07465 | 30 | -18S | -38E | F | 3/1/47 | PA | 3230 | 3197 | 3206 | | 7.625 | 9.875 | 432 | 200 | Circ. |
| Amerada | | | | | | | | | OH | | | 5.5 | 6.75 | 3130 | 600 | 2992 |
| McKinley #10 | 30-025- 22173 | 30 | -18S | -38E | F | 6/1/67 | PA | 37 | 10-37 OH | | | 5.5 | 6.75 | 10 | 1 YD | No data |
| Amerada | | | | | | | | | | | | | | | | |
| McKinley #6 | 30-025- 07466 | 30 | -18S | -38E | C | 3/1/47 | PA | 3229 | 3145 | 3229 | | 7.625 | 9.875 | 416 | 200 | Circ. |
| Amerada | | | | | | | | | OH | | | 5.5 | 6.75 | 3145 | 625 | 20 TS |
| McKinley #9 | 30-025- 22172 | 30 | -18S | -38E | F | 6/1/67 | PA | 37 | 10-37 OH | | | 5.5 | 6.75 | 10 | 1 YD | No data |
| Amerada | | | | | | | | | | | | | | | | |
| McKinley A #9 | 30-025- 12492 | 19 | -18S | -38E | N | 8/1/47 | PA | 3247 | 3179 | 3247 | | 8.625 | 11 | 419 | 200 | Circ. |
| Shell | | | | | | | | | OH | | | 4.5 | 7.875 | 3179 | 850 | 1530 TS |

Note: 'c' in TOC column denotes calculated cmt top w/ 50% efficiency.

**WELL SCHEMATIC:
EXXON BOWERS #2**

WELL PLUGGED:
5/12/30

Hole cemented with 40 sxs
From 66' to surface.

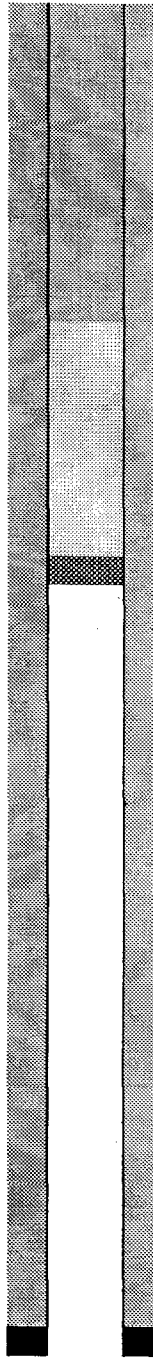
Hole mudded from 106'
To 66'.

PBTD: 106'

Plugged back at 106' with ?

12.5"
25 sxs
TOC: SURF(C)

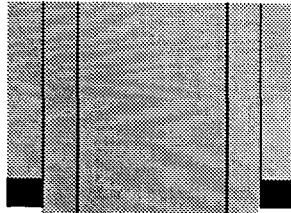
TD: 242'



**WELL SCHEMATIC:
EXXON BOWERS B FED #1**

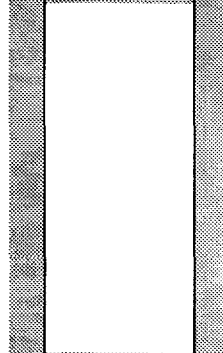
WELL PLUGGED:
12/21/71

15 1/2"
235'
225 SX
TOC: NA



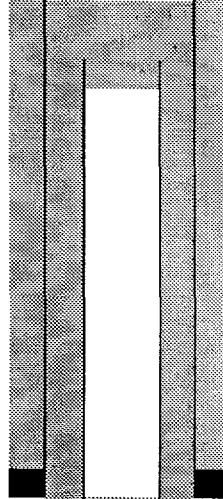
Set 120 sx cmt plug at 250'
And circulate.

9 5/8"
2716'
650 SX
TOC: SURF (C)



Cut off 7" csg. at 1500' and
Pull out of hole. Pump 60 sx
Cmt plug at 1500'.

7"
3987'
300 SX
TOC: 2027 (C)

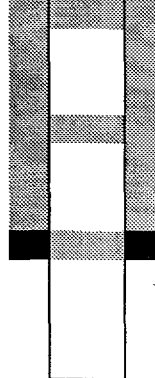


Set plug at 2800'.

TD: 4239

Spotted 25 sx cmt plug at
3355'.

Spotted 28 sx cmt plug at
3970'.



**WELL SCHEMATIC:
GETTY HD MCKINLEY #6**

WELL PLUGGED:
8/26/75

8 5/8"
1474'
400 SX
TOC: CIRC

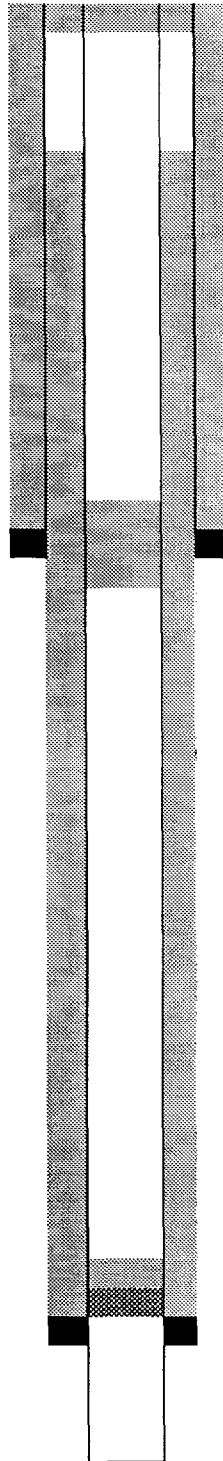
Laid 10 sx cmt plug in top.

Laid 20 sx cmt plug from
1542' to 1374'.

5 1/2"
3178'
200 SX
TOC: 498 (C)

TD:3200'

Set CIBP at 3100'. Dumped
5 sx cmt on top of CIBP.



**WELL SCHEMATIC:
GETTY HD MCKINLEY #7**

WELL PLUGGED:
10/14/75

8 5/8"
1504'
400 SX
TOC: SURF (C)

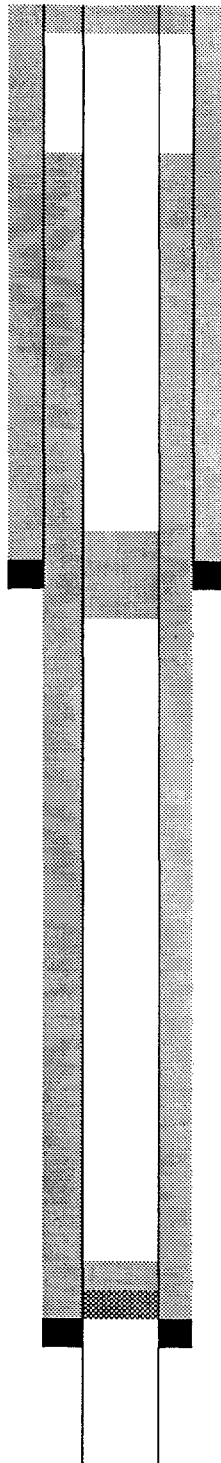
Laid 10 sx cmt plug in top.

Laid 24 sx cmt plug from
1514' to 1346'.

5 1/2"
3192'
200 SX
TOC: 918 (C)

TD:3224'

Laid 5 sx cmt plug on top of
CIBP.(38' plug)
Set CIBP at 3100'.



**WELL SCHEMATIC:
AMERADA H.D. MCKINLEY #5**

7 5/8"
432'
200 SX
TOC: CIRC

Displaced hole with 75 bbls
Of 9 1/2 # mud.

Spotted 25 sx cmt plug from
1850' to 1600'.

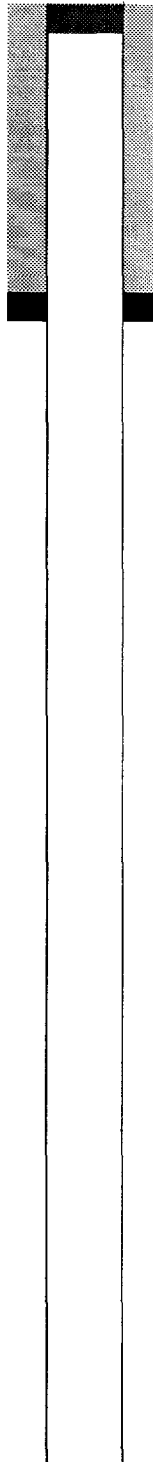
Spotted 25 sx cmt plug from
3050' to 2800'.

Set CIBP at 3050'.

**WELL SCHEMATIC:
AMERADA MCKINLEY #10**

WELL PLUGGED:
8/14/82

5 1/2"
10'
1 yd. Redi-Mix



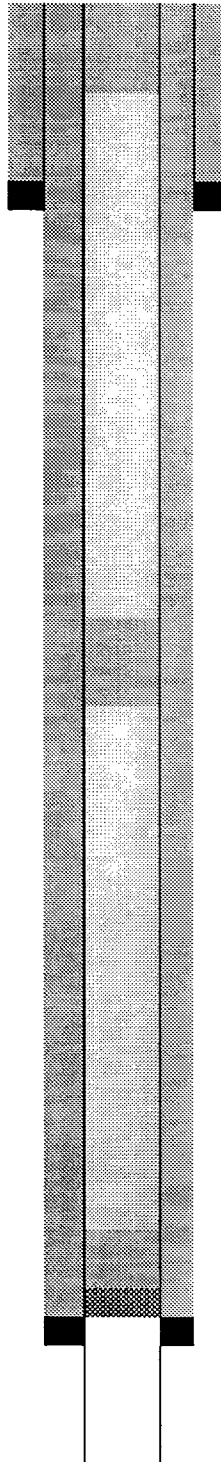
The pump was pulled from
The well and steel plates
Were welded on top of the
Well.

TD: 37'

**WELL SCHEMATIC:
AMERADA H.D. MCKINLEY # 6**

WELL PLUGGED:
5/17/93

7 5/8"
416'
200 SX
TOC: CIRC



Spotted 25 sx cmt plug from
250' to surface.

Displaced hole with 70 bbls
Of 9 1/2 # mud.

5 1/2"
3145'
625 SX
TOC: 20' TS

Spotted 25 sx cmt plug from
1850' to 1600'.

TD: 3229'

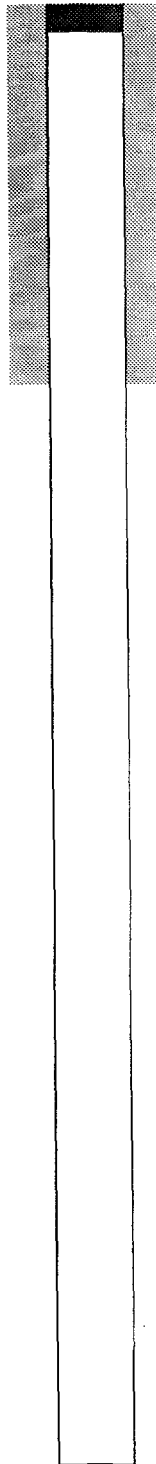
Spotted 25 sx cmt plug from
3100' to 2850'.
Set CIBP at 3100'.

**WELL SCHEMATIC:
AMERADA MCKINLEY #9**

WELL PLUGGED:
8/14/82

5 ½"
10'
1 YD REDI-MIX
TOC: NA

The pump was pulled from
Well and steel plates were
Welded on top of well.

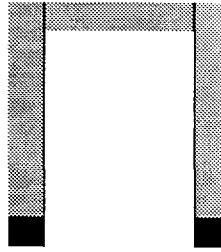


TD: 37'

**WELL SCHEMATIC:
SHELL MCKINLEY A #9**

WELL PLUGGED:
5/12/50

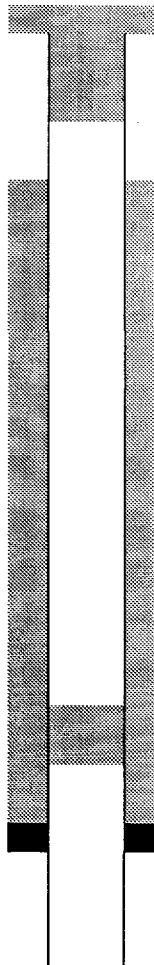
8 5/8"
407'
200 sx
TOC: CIRC



10 sx cmt at surface

Recovered 1147' of 4 1/2"
Csg.

4 1/2"
3179'
850 sx
TOC: 1530' TS



Shot csg at 1148'
Spotted 5 sx cmt from 1150'
To 1228'

Spotted 10 sx cmt plug from
3023' to 3179'

TD: 3247'

LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit
Well No. 313
Letter B, Section 30, T-18-S, R-38-E
Lea County, New Mexico

Offset Operators

Altura Energy LTD
P.O. Box 4294
Houston, TX 77210-4294

Getty Oil Company
P.O. Box 797035
Dallas, TX 75379-7035

Charles E. Seed
Houston Ranch
Lovington Hwy.
Hobbs, NM 88240

Surface Owners

Leonard E. Stansberry & Sylvia R. Stansberry
3118 Northwest Drive
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:

Getty Oil Company
P.O. Box 797035
Dallas, TX 75379-7035

4a. Article Number

P 447 842 809

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

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

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.
- 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:

Charles E. Seed
Houston Ranch
Lovington Hwy.
Hobbs, NM 88240

4a. Article Number

P 447 842 810

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

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

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.
- 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:

Leonard E. Stansberry &
Sylvia R. Stansberry
3118 Northwest Drive
Hobbs, NM 88240

4a. Article Number

P 447 842 811

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

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

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 2
_____ weeks.

Beginning with the issue dated

September 11 1999
and ending with the issue dated

September 12 1999

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 22nd day of

October 1999

Jodi Hansen

Notary Public.

My Commission expires
October 18, 2000
(Seal)

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

LEGAL NOTICE

SEPTEMBER 12, 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 Depart-
ment, for approval of the fol-
lowing injection wells for the
purpose of secondary recov-
ery:

Pool Name: Hobbs; Grayburg
-San Andres
Lease/Unit Name: North
Hobbs G/SA Unit
Well No. 221
Loc.: 2310' FNL & 2310' FWL,
Unit Letter F, Sec. 24, T-18-S,
R-37-E, Lea Co., NM
Well No. 342
Loc.: 145' FSL & 1435' FEL,
Unit Letter O, Sec. 24, T-18-
S, R-37-E, Lea Co., NM
Well No. 432
Loc.: 2480' FSL & 1280' FEL,
Unit Letter I, Sec. 24, T-18-S,
R-37-E, Lea Co., NM
Well No. 141
Loc.: 330' FSL & 330' FWL,
Unit Letter M, Sec. 29, T-18-
S, R-38-E, Lea Co., NM
Well No. 241
Loc.: 330' FSL & 2310' FWL,
Unit Letter N, Sec. 29, T-18-
S, R-38-E, Lea Co., NM
Well No. 112
Loc.: 200' FNL & 1310' FWL,
Unit Letter D, Sec. 30, T-18-
S, R-38-E, Lea Co., NM
Well No. 233
Loc.: 2455' FSL & 1480' FWL,
Unit Letter K, Sec. 30, T-18-S,
R-38-E, LEA Co., NM
Well No. 313
Loc.: 405' FNL & 2272' FEL,
Unit Letter B, Sec. 30, T-18-S,
R-38-E, Lea Co., NM
Well No. 332
Loc.: 2470' FSL & 1600' FEL,
Unit Letter J, Sec. 30, T-18-S,
R-38-E, Lea Co., NM
Well No. 412
Loc.: 760' FNL & 550' FEL,
Unit Letter A, Sec. 30, T-18-S,
R-38-E, Lea Co., NM
Well No. 432
Loc.: 2260' FSL & 180' FEL,
Unit Letter I, Sec. 30, 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. Ex-
pected maximum infection
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 Conser-
vation Division, 2040, S. Pa-
checo, Santa Fe, NM 87505
within fifteen (15) days.
#16873

02101173000 01535865

Altura Energy LTD
P. O. Box 4294
Houston, TX 77210-4294

12/7/99



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

11/22/99

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

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:

| | | | | | |
|--------------------------|------------------|------|-------|-------------------------------|----------------|
| <u>Altura Energy Ltd</u> | | | | <u>North Hobbs GB/SA Unit</u> | <u># 313-B</u> |
| Operator | Lease & Well No. | Unit | S-T-R | | |
| | | | | <u>30-185-380</u> | |
| | | | | <u>30-025-23270</u> | |

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams
Supervisor, District 1

/ed