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4/9/01

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL  
RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
1220 S. ST. FRANCIS DR.  
SANTA FE, NEW MEXICO 87504

MAR 23 2001

FORM C-108  
Revised 4-1-98

### APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage  
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Texaco Exploration and Production Inc  
ADDRESS: P.O. Box 3109, Midland TX 79702  
CONTACT PARTY: Stephen N. Guillot PHONE: 915-688-4577
- 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 X No  
If yes, give the Division order number authorizing the project: R-5530- A/B/C/D/E
- 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: Stephen N. Guillot TITLE: Production Engineer  
SIGNATURE: Stephen N. Guillot DATE: 9-Mar-2001
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show date & circumstances of the earlier submittal: R-5530, 8-17-77; 5530-A, 6-21-78; 5530-B, 8-30-78; 5530-C, 9-23-81; 5530-D, 3-16-83; 5530-E, 4-30-97; PMX-86, 5-6-80; PMX-121, 11-17-82; PMX-178, 1-31-95; PMX-179, 4-4-95; PMX-200, 3-16-00
- 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.

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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.

## NEW MEXICO OIL CONSERVATION DIVISION – Form C-108

Application for Water and CO<sub>2</sub> Flood ExpansionUnit Name: Central Vacuum UnitLea County, New Mexico**Central Vacuum Unit No. 294: Unit Ltr. B      Surface Location 10' FNL, 2630' FEL, Section 6, Twp. 18S, Range 35E**

- III. We are requesting approvals for injection of water and CO<sub>2</sub> into Central Vacuum Unit (CVU) No. 294. **This is a replacement well for a previously permitted injection well (Central Vacuum Unit Well No. 94) which is no longer active due to its mechanical condition. Well No. 94 will be plugged and abandoned.** A schematic is attached for Central Vacuum Unit Well No. 294, which will soon be drilled. This well will be completed as a traditional vertical injection well. The CVU is unitized in the Grayburg and San Andres Formations from 4100' – 4800'. There is no active shallower production in the review area for this proposal. The Yates is the only shallow zone known to be productive of hydrocarbons and did produce in the New Mexico State "O" No. 20 to the northwest which is outside the review area. At about 6100', the Paddock and Glorieta are unitized in the Vacuum Glorieta West Unit and the Vacuum Glorieta East Unit. This is the next productive interval below the Grayburg-San Andres.
- V. Two maps are attached: a large scale county map showing 2-mile (light blue) and ½-mile (dark blue) circles around the proposed wells, a smaller scale version of the same map with ½-mile radius, and a lease map showing the ½-mile radius around the bottomhole locations of the horizontal laterals.
- VI. A list of all wells in the review area is provided herein. This list includes current status, location data, API numbers and spud date. The entire review area was covered by the C-108 application for the Central Vacuum Unit CO<sub>2</sub> Injection Project, which was approved by Order No. R-5530-E dated April 30, 1997. Most pertinent well data in the review area was included in that previous submittal. Sixteen wellbore schematics are attached to this request that are for wells drilled, recompleted, or plugged and abandoned since the data was compiled for the previously mentioned request (R-5530-E).
- VII. This data has been previously submitted under NMOCD Order R-5530 dated September 20, 1977, amendments R-5530-A/B/C/D, PMX-86 dated May 6, 1980 and PMX-121 dated November 2, 1982, and under Order No. R-5530-E dated April 30, 1997. For the subject well, we will request approval to increase surface water injection pressures to as high as 1500 psi, and CO<sub>2</sub> surface injection pressure to as high as 1850 psi (in accordance with R-5530-E), following step-rate testing. Initially these pressures will be limited to 860 psi for water and 1210 psi for CO<sub>2</sub>. At the higher pressures it is anticipated that injection rates could be as high as 2500 barrels of water per day or 5 million cubic feet of CO<sub>2</sub> per day. Average rates are anticipated to be half these maximums.. The injection system is closed.
- VIII. This data has been previously submitted under NMOCD Order R-5530 dated September 20, 1977, amendments R-5530-A/B/C/D, PMX-86 dated May 6, 1980 and PMX-121 dated November 2, 1982, and under Order No. R-5530-E dated April 30, 1997.
- IX. CVU Well No. 294 will have an open-hole completion below the 5-1/2" casing shoe which will be at a depth of about 4300'. TD of the well will be at about 4700' from surface. It will be stimulated with approximately 18,000 gallons of 20% hydrochloric acid pumped at a rate of 5-8 barrels per minute.
- X. This data has been previously submitted under NMOCD Order R-5530 dated September 20, 1977, amendments R-5530-A/B/C/D, PMX-86 dated May 6, 1980 and PMX-121 dated November 2, 1982, and under Order No. R-5530-E dated April 30, 1997.
- XI. This data has been previously submitted under NMOCD Order R-5530 dated September 20, 1977, amendments R-5530-A/B/C/D, PMX-86 dated May 6, 1980 and PMX-121 dated November 2, 1982, and under Order No. R-5530-E dated April 30, 1997.
- XII. We have extensively examined the geology in this area and have reinjected produced water in this area in many wells. We have no reason to believe that this project will jeopardize groundwater quality.

# **LIST OF ATTACHMENTS**

- 1. Forms C-101 (Permit to Drill) and C-102 (Well Location and Acreage Dedication Plat) for Central Vacuum Unit No. 294.**
- 2. Wellbore schematic for Central Vacuum Unit Well No. 294.**
- 3. Large-scale county map showing 2-mile (light blue) and ½-mile (dark blue) circles around the proposed well.**
- 4. A lease map showing the ½-mile radius around the bottomhole locations of the horizontal laterals.**
- 5. List of all wellbores that penetrate the proposed injection zone in the area of review.**
- 6. List of wellbore schematics included in this submittal (wells drilled, P&A'd, or recompleted since the data was compiled for the C-108 for the Central Vacuum Unit CO<sub>2</sub> flood; No. R-5530-E dated April 30, 1997)**
- 7. 16 wellbore schematics described in #6.**
- 8. Proof of Notice Summary Section.**

NM 88210

Aztec, NM 87410

Santo Domingo, Santa Fe, NM 87505

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Mexaco Exploration & Production 500 N. Loraine Midland, Texas 79702		<sup>2</sup> OGRID Number 022351
<sup>4</sup> Property Code	<sup>3</sup> API Number 30-	<sup>6</sup> Well No. #294
<sup>5</sup> Property Name CENTRAL VACUUM UNIT		

## <sup>7</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	6	18-S	35-E		10'	NORTH	2630'	EAST	LEA

## <sup>8</sup> Proposed 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>9</sup> Proposed Pool 1

SAN ANDRES

## <sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code INJ	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3968'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 4850'	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 2/20/01

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	36#	1550'	650	CIRCULATE
8 3/4"	7"	23#	4850'	600	CIRCULATE

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

### CEMENTING PROGRAM:

SURFACE CASING: 450 SACKS CLASS C w/2% GEL, 2% CaCl<sub>2</sub> (13.5 PPG, 1.74 CF/S, 9.11 GW/S).

F/B 200 SACKS CLASS C w/2% CaCl<sub>2</sub> (14.8 PPG, 1.34 CF/S, 6.40 GW/S).

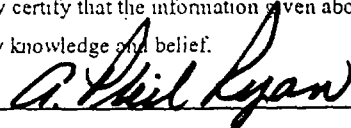
PRODUCTION CASING: 450 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT 1/4# FC (12.8 PPG,

1.94 CF/S, 10.46 GW/S). F/B 150 SACKS 35/35 POZ CLASS H w/ADDS (16 PPG, 1.05 CF/S,

5.20 GW/S). NOTE: THIS WELL IS IN A PROJECT AREA. ALSO, THE WELL IS A REPLACEMENT WELL.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:



Printed name: A. Phil Ryan

Title: Commission Coordinator

Date:

2/6/01

Phone:

(915) 688-4606

## OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

DISTRICT I  
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P. O. Drawer DD, Artesia, NM 88210

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

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

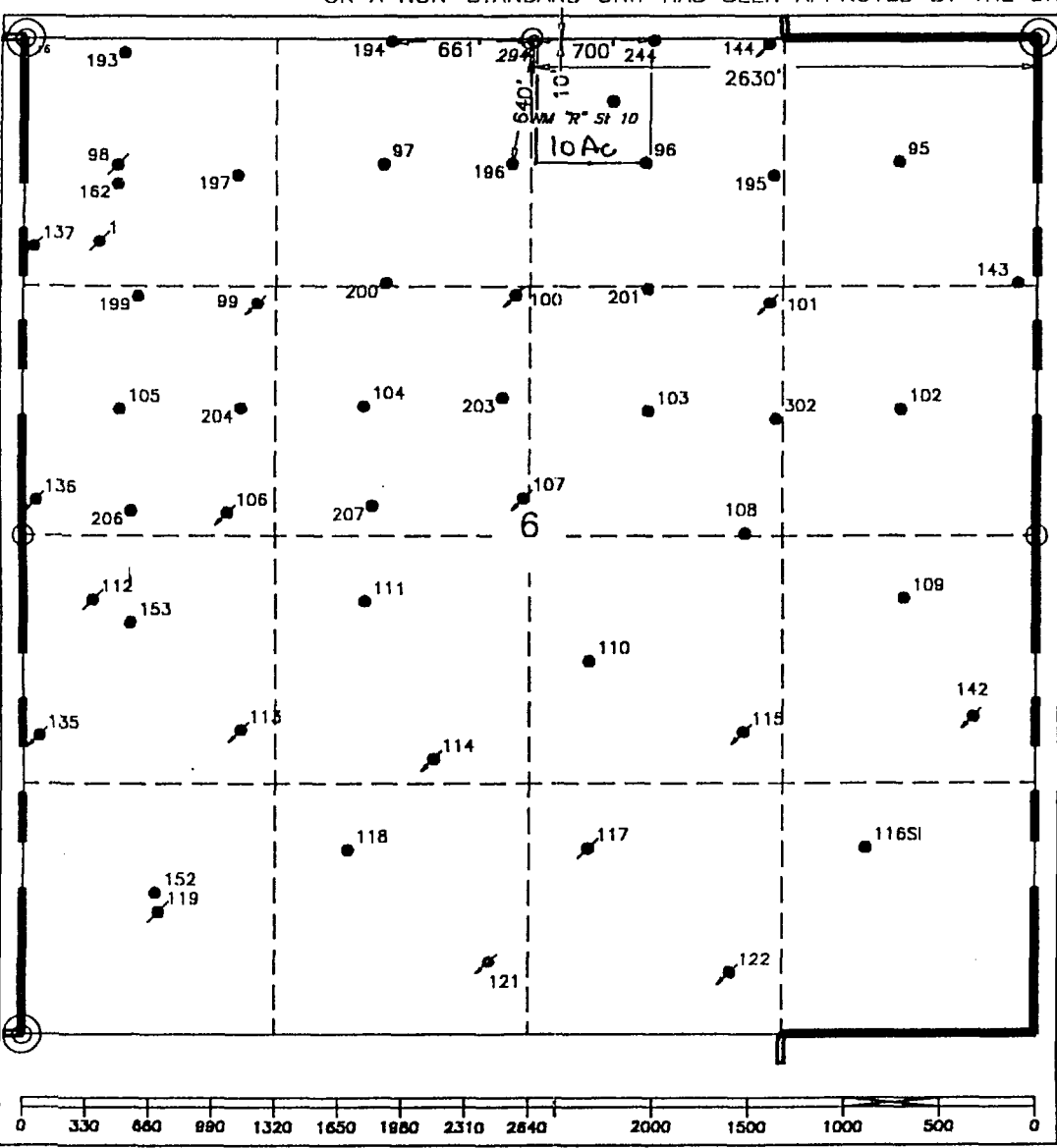
State Lease-4 copies  
Fee Lease-3 copies

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

☐ AMENDED REPORT

1 API Number		2 Pool Code		3 Pool Name San Andres				
4 Property Code H		5 Property Name Central Vacuum Unit			6 Well Number 294			
7 OGRID No. 22351		8 Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			9 Elevation 3968'			
10 Surface Location								
UL or lot no. B	Section 6	Township 18-S	Range 35-E	Lot Idn 10'	Feet from the North/South line North 2630'	East/West line East	7 County Lea	
11 Bottom Hole Location If Different From Surface								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	East/West line	7 County
12 Dedicated Acres 10		13 Joint or Infill		14 Consolidation Code		15 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.



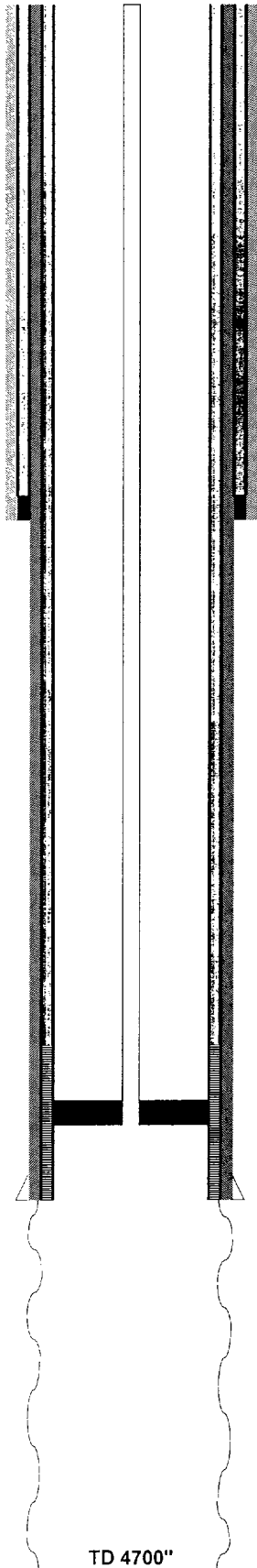
16 OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>A. Phil Ryan</i>
Printed Name	A. Phil Ryan
Position	Commissioner Coordinator
Company	Texaco Expl. & Prod. Inc.
Date	February 5, 2001
17 SURVEYOR 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 knowledge and belief.	
Date Surveyed	February 1, 2001
Signature & Seal of Professional Surveyor	<i>John S. Piper</i>
Certificate No.	7254 John S. Piper
Sheet	

○ = Staked Location    ● = Producing Well    ↗ = Injection Well    ⊕ = Water Supply Well    ⊕ = Plugged & Abandon Well

○ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C.    ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

**ADDITIONAL INFORMATION ON THE LOCATION**

State Plane Coordinates		
Northing 650039.64 (1927=649974.61)	Eastng 798359.64 (1927=757180.62)	
Latitude 32°47'03.117" (1927=32°47'02.672")		
Longitude 103°29'49.249" (1927=103°29'47.463")		
Zone North American Datum	Combined Grid Factor	Coordinate File
East 1983	0.99979145	Buckeye.CR5
Drawing File	Field Book	
CVU_294.dwg	Lea Co. 20, Pg. 33	



Well Number:	CVU 294	CO2 Injector
API		
Spud	4/1/01 (est.)	GL = 3968'
Sec	6	
Twonshp	18 S	
Range	35 E	
	10'	FNL
	2630'	FEL
Unit	B	
Pool	Vacuum Grayburg-San Andres	

12-1/4" hole

Cemented w/1000 sks, plan to circulate to surface

8-5/8" 24#/ft J-55 Casing @ 1540'

2-3/8" Rice Duoline Fiberglass-lined tubing

5-1/2" 15.5 # Casing to 4300'  
Cemented w/750 sks, plan to circulate to surface

7-7/8" Hole

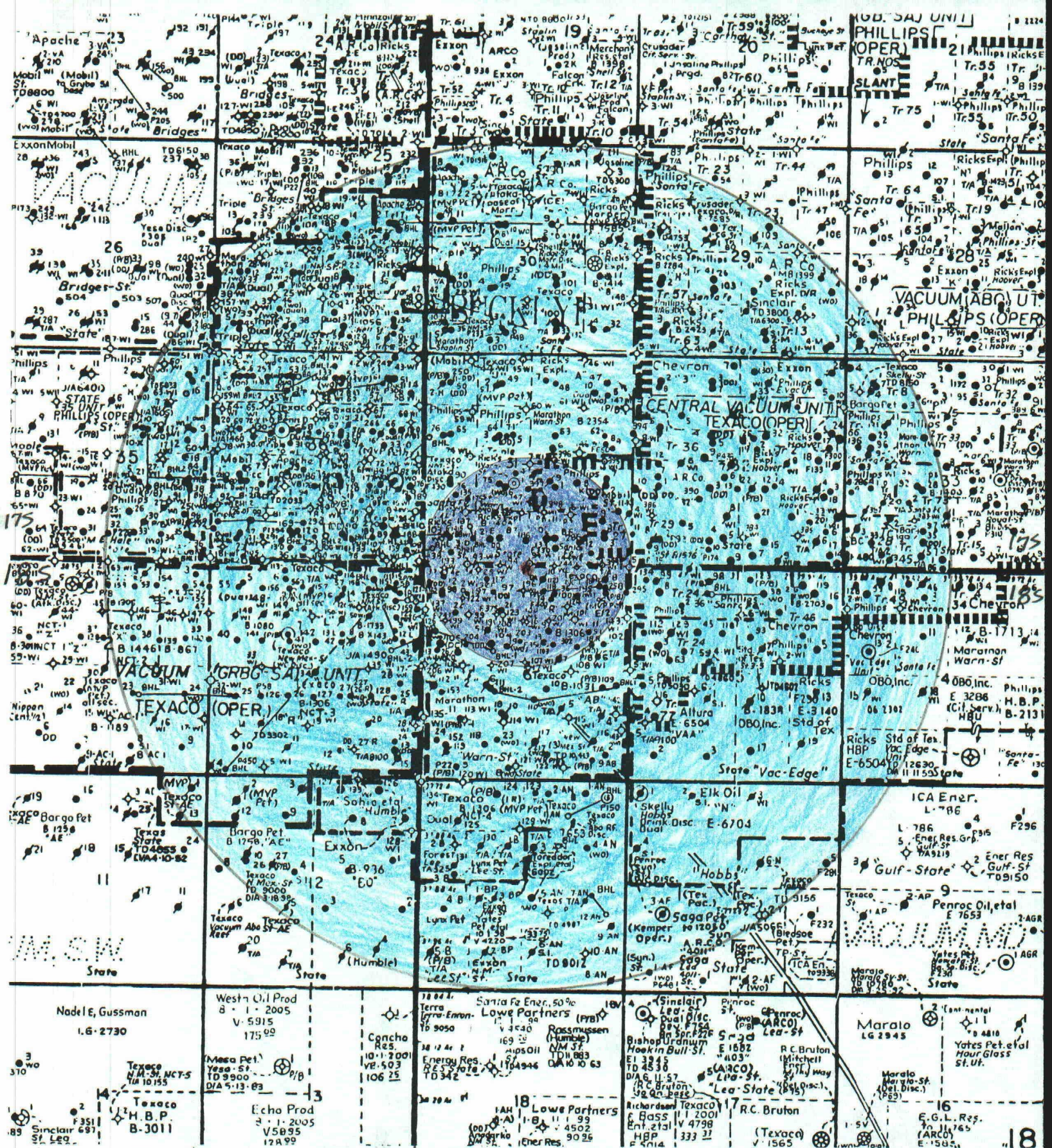
Guiberson G-6 Injection Packer @ ~4170

Bottom 2 jts. of casing - 5-1/2" 17# Incoloy 826 CRA  
Cementing Packer at 4200'

6-1/8" Open Hole Completion

TD 4700"





34E 35E

1/2-MILE & 2-MILE RADII  
AROUND PROPOSED CVU 294





API	Lease Name	Well #	Operator Name	Section	Township	Range	Letter	Footage	N-S	Footage	E-W	Current Status	Spud Date	Comp. Date
30025030880000	Central Vacuum Unit	95	Texaco	6	18S	35E	A	660	FNL	660	FEL	G-SA Producer	19380711	19380820
30025328020000	Central Vacuum Unit	195	Texaco	6	18S	35E	A	729	FNL	1313	FEL	G-SA Producer	19950221	19950315
30025349440000	Central Vacuum Unit	295	Texaco	6	18S	35E	A	669	FNL	10	FEL	G-SA Producer	20000320	20000416
30025320190000	State of New Mexico R'	15	Texaco	6	18S	35E	A	510	FNL	640	FEL	Drinkard Producer	19931025	19931214
30025211080001	Vacuum Gloria West Unit	119	Texaco	6	18S	35E	A	330	FNL	660	FEL	P&A	19640911	19641127
30025030890000	Central Vacuum Unit	96	Texaco	6	18S	35E	B	660	FNL	1980	FEL	G-SA Producer	19380704	19380810
30025267880000	Central Vacuum Unit	144	Texaco	6	18S	35E	B	35	FNL	1330	FEL	G-SA Injector	19800916	19801015
30025211080001	State of New Mexico R'	10	Texaco	6	18S	35E	B	10	FNL	1930	FEL	G-SA Injector	19950227	19950319
30025320180000	State of New Mexico R'	14	Texaco	6	18S	35E	B	860	FNL	2135	FEL	P&A	19650226	19721205
30025311290100	Vacuum Gloria West Unit	118	Texaco	6	18S	35E	B	660	FNL	2000	FEL	Drinkard Producer	19910217	19911117
30025318790000	Vacuum Gloria West Unit	124	Texaco	6	18S	35E	B	1020	FNL	2135	FEL	Glorieta Producer	19930726	19930814
30025030760001	Central Vacuum Unit	97	Texaco	6	18S	35E	C	660	FNL	1519	FEL	G-SA Injector	19381102	19381111
30025328010000	Central Vacuum Unit	194	Texaco	6	18S	35E	C	14	FNL	1917	FWL	G-SA Injector	19950228	19950318
30025328030000	Central Vacuum Unit	196	Texaco	6	18S	35E	C	649	FNL	2535	FWL	G-SA Producer	19950213	19950309
30025328050000	Central Vacuum Unit	200	Texaco	6	18S	35E	C	1301	FNL	1875	FWL	G-SA Injector	19950318	19950410
30025207540001	Vacuum Gloria West Unit	117	Texaco	6	18S	35E	C	330	FNL	1571	FWL	Glorieta Producer	19640722	19970225
30025318780000	Vacuum Gloria West Unit	123	Texaco	6	18S	35E	C	1265	FNL	2035	FWL	Glorieta Injector	19930806	19930915
30025319680000	Warm State A/C-2	21	Marathon	6	18S	35E	C	1109	FNL	1993	FWL	Drinkard Producer	19930603	19930728
30025307500000	Warm State A/C-2	25	Marathon	6	18S	35E	C	113	FNL	1429	FWL	Drinkard Injector	19960113	19960216
30025281820000	Central Vacuum Unit	98	Marathon	6	18S	35E	D	660	FNL	484	FWL	P&A	19380821	19380928
30025286600000	Central Vacuum Unit	162	Texaco	6	18S	35E	D	760	FNL	484	FWL	G-SA Producer	19830406	19830907
30025327910000	Central Vacuum Unit	197	Texaco	6	18S	35E	D	717	FNL	388	FWL	P&A	19831008	19831212
30025328000000	Central Vacuum Unit	193	Texaco	6	18S	35E	D	1074	FNL	1093	FWL	G-SA Producer	19950202	19950228
30025328000000	Central Vacuum Unit	116	Texaco	6	18S	35E	D	101	FNL	534	FWL	G-SA Injector	19950304	19950324
30025318770000	Vacuum Gloria West Unit	122	Texaco	6	18S	35E	D	845	FNL	560	FWL	Glorieta Producer	19640629	19991026
30025307700001	Warm State A/C-2	22	Marathon	6	18S	35E	D	1219	FNL	1061	FWL	Glorieta Injector	19930821	19930916
30025257100000	Central Vacuum Unit	105	Texaco	6	18S	35E	E	1980	FNL	890	FWL	Drinkard Producer	19930715	19930825
30025328040000	Central Vacuum Unit	99	Texaco	6	18S	35E	E	1408	FNL	484	FWL	G-SA Producer	19390117	19390117
30025328000000	Central Vacuum Unit	204	Texaco	6	18S	35E	E	1994	FNL	1211	FWL	G-SA Injector	19771129	19780212
30025328040000	Central Vacuum Unit	199	Texaco	6	18S	35E	E	1372	FNL	1073	FWL	G-SA Producer	19950205	19950219
30025307800001	Central Vacuum Unit	104	Texaco	6	18S	35E	F	1980	FNL	584	FWL	G-SA Injector	19950308	19950324
30025328070000	Central Vacuum Unit	203	Texaco	6	18S	35E	F	1913	FNL	1728	FWL	G-SA Producer	19930915	19931011
30025328090000	Central Vacuum Unit	207	Texaco	6	18S	35E	F	2500	FNL	2476	FWL	G-SA Injector	19950315	19950304
30025212920100	Vacuum Gloria West Unit	127	Texaco	6	18S	35E	F	1650	FNL	1825	FWL	G-SA Producer	19650412	19950425
30025319270000	Warm State A/C-2	19	Marathon	6	18S	35E	F	2010	FNL	1650	FWL	Glorieta Producer	19930406	19930528
30025030910000	Central Vacuum Unit	103	Texaco	6	18S	35E	G	1980	FNL	2230	FWL	Drinkard Producer	19930109	19930528
30025257120000	Central Vacuum Unit	101	Texaco	6	18S	35E	G	1410	FNL	1980	FEL	G-SA Producer	19391009	19391105
30025258200000	Central Vacuum Unit	107	Texaco	6	18S	35E	G	2450	FNL	1336	FEL	G-SA Injector	19790512	19790607
30025328060000	Central Vacuum Unit	201	Texaco	6	18S	35E	G	1360	FNL	2632	FEL	G-SA Injector	19790609	19790628
30025205030001	State of New Mexico R'	7	Texaco	6	18S	35E	G	2310	FNL	1973	FEL	G-SA Injector	19950311	19950330
30025319900000	State of New Mexico R'	13	Texaco	6	18S	35E	G	1905	FNL	2130	FEL	Drinkard Producer	19930705	19930809
30025328740000	State of New Mexico R'	16	Texaco	6	18S	35E	G	1410	FNL	2630	FEL	Drinkard Injector	19950418	19950512
30025328740000	State of New Mexico R'	17	Texaco	6	18S	35E	G	2530	FNL	2530	FEL	Drinkard Injector	19950906	19951003
30025030900000	Vacuum Gloria West Unit	128	Texaco	6	18S	35E	G	1650	FNL	1980	FEL	SI-Glorieta	19650108	19710706
30025030900000	Central Vacuum Unit	102	Texaco	6	18S	35E	H	1980	FNL	660	FEL	G-SA Producer	19381119	19390112
30025214250000	Vacuum Gloria West Unit	302	Texaco	6	18S	35E	H	2030	FNL	1310	FEL	G-SA Producer	19870919	19871101
30025334250001	Vacuum Gloria West Unit	129	Texaco	6	18S	35E	H	1650	FNL	990	FEL	TA-Glorieta	19650423	19650519
30025029610000	East Vacuum (GBSA) Unit Tr. 3127	132	Texaco	6	18S	35E	H	1870	FNL	890	FEL	TA-Glorieta	19960710	19960801
30025348320000	East Vacuum (GBSA) Unit Tr. 3127	395	Phillips	31	17S	35E	I	1980	FSL	660	FEL	G-SA Producer	19380405	19380509
								2630	FSL	575	FEL	G-SA Injector	20000503	20000614



API	Lease Name	Well #	Operator Name	Section	Township	Range	Unit Letter	Footage	N-S	Footage	E-W	Current Status	Spud Date	Comp Date
30025324390000	State 'K'	11	ExxonMobil	31	17S	35E	I	1400	FSL	360	FEL	Drinkard Producer	19940302	19940408
30025029600000	East Vacuum (GBSA) Unit Tr. 3127	1	Phillips	31	17S	35E	J	1980	FSL	1980	FEL	G-SA Producer	19380223	19940403
30025268630000	East Vacuum (GBSA) Unit Tr. 3127	6	Phillips	31	17S	35E	J	1330	FSL	1530	FEL	G-SA Injector	19800625	19801206
30025268630000	East Vacuum (GBSA) Unit Tr. 3127	7	Phillips	31	17S	35E	J	2560	FSL	2550	FEL	G-SA Injector	19800713	19901220
30025302780000	East Vacuum (GBSA) Unit Tr. 3127	8	Phillips	31	17S	35E	J	2173	FSL	1410	FEL	G-SA Producer	19880701	19980822
30025348330000	East Vacuum (GBSA) Unit Tr. 3127	396	Phillips	31	17S	35E	J	2630	FSL	1950	FEL	G-SA Injector	20000423	20000614
30025348330000	East Vacuum (GBSA) Unit Tr. 3127	397	Phillips	31	17S	35E	J	1885	FSL	2630	FEL	G-SA Producer	20000415	20000627
30025348330000	East Vacuum (GBSA) Unit Tr. 3127	398	Phillips	31	17S	35E	J	1415	FSL	2140	FEL	G-SA Injector	20000512	20000622
30026210960001	Vacuum Gionietta East Unit	17-01	Phillips	31	17S	35E	J	2110	FSL	1980	FEL	TA-Gionietta	19650219	19680514
30025029540000	Central Vacuum Unit	75	Texaco	31	17S	36E	K	1980	FSL	1980	FEL	G-SA Producer	19380414	19380526
30025207490000	Vacuum Gionietta East Unit	23-02	Phillips	31	17S	35E	K	2311	FSL	2226	FEL	TA-Gionietta	19640417	19640511
30025323110001	Warm State A/C-1	6	Marathon	31	17S	35E	K	1980	FSL	2030	FEL	Abo/Wolcamp Prod.	19931128	19980113
30025330520000	Warm State A/C-1	1	Ricks Exploration	31	17S	35E	K	2036	FSL	2260	FEL	Drinkard Producer	19950901	19960115
30025257090000	Central Vacuum Unit	85	Texaco	31	17S	35E	L	1336	FSL	1201	FEL	G-SA Injector	19790318	19790417
30025337220000	Central Vacuum Unit	175	Texaco	31	17S	35E	L	1617	FSL	1107	FEL	G-SA Producer	19970103	19970212
30025324380000	State 'Fe'	135	Phillips	31	17S	35E	L	1743	FSL	808	FEL	G-SA Producer	19940302	19940519
30025085350001	Central Vacuum Unit	88	Texaco	31	17S	35E	M	660	FSL	660	FEL	G-SA Producer	19380706	19380816
30025257330000	Central Vacuum Unit	93	Texaco	31	17S	35E	M	10	FSL	1136	FEL	G-SA Injector	19790331	19790502
30025333290000	Central Vacuum Unit	187	Texaco	31	17S	35E	M	974	FSL	1199	FEL	Gionietta Producer	19960527	19960817
30025322980000	State 'D'	3	Ricks Exploration	31	17S	35E	M	330	FSL	695	FEL	Drinkard Producer	19931123	19940215
30025203390100	Vacuum Gionietta West Unit	103	Texaco	31	17S	35E	M	760	FSL	560	FEL	G-SA Producer	19640201	19980227
30025085360000	Central Vacuum Unit	87	Texaco	31	17S	35E	N	660	FSL	1980	FEL	G-SA Injector	19910507	19971103
30025267890000	Central Vacuum Unit	145	Texaco	31	17S	35E	N	1310	FSL	2475	FEL	G-SA Producer	19800904	19800924
30025312040001	Central Vacuum Unit	345	Texaco	31	17S	35E	N	660	FSL	1850	FEL	G-SA Injector	19910507	19971103
30025208230002	State 'E'	2	Ricks Exploration	31	17S	35E	N	660	FSL	1700	FEL	Drinkard Producer	19640304	19801114
30025029560000	Central Vacuum Unit	86	Texaco	31	17S	35E	O	660	FSL	1980	FEL	G-SA Producer	19380502	19380614
30025257340000	Central Vacuum Unit	94	Texaco	31	17S	35E	O	50	FSL	2549	FEL	TA G-SA - P&A pending	19780418	19970412
30025327990001	Central Vacuum Unit	186	Texaco	31	17S	35E	O	607	FSL	2630	FEL	G-SA Producer	19931215	20000301
30025348330000	Central Vacuum Unit	286	Phillips	31	17S	35E	O	584	FSL	1383	FEL	G-SA Producer	20000326	20000418
30025323330000	State 'Fe'	133	Phillips	31	17S	35E	O	435	FSL	1930	FEL	Drinkard Producer	19931215	19940223
30025207960002	Vacuum Gionietta East Unit	30-01	Phillips	31	17S	35E	O	690	FSL	2110	FEL	Gionietta Producer	19640726	19720413
30025029620001	East Vacuum (GBSA) Unit Tr. 3127	3	Phillips	31	17S	35E	P	660	FSL	660	FEL	G-SA Producer	19380515	19380616
30025268620000	East Vacuum (GBSA) Unit Tr. 3127	5	Phillips	31	17S	35E	P	10	FSL	10	FEL	G-SA Injector	19800713	19801213
30025302790000	East Vacuum (GBSA) Unit Tr. 3127	9	Phillips	31	17S	35E	P	1175	FSL	740	FEL	G-SA Producer	19880620	19880809
30025348330000	East Vacuum (GBSA) Unit Tr. 3127	399	Phillips	31	17S	35E	P	10	FSL	660	FEL	G-SA Injector	20000520	20000623
30025324130000	State 'K'	12	ExxonMobil	31	17S	35E	P	330	FSL	990	FEL	Drinkard Producer	19940209	19940317
30025208650000	Vacuum Gionietta East Unit	17-03	Phillips	31	17S	35E	P	760	FSL	660	FEL	Gionietta Producer	19641124	19641215

Changes in Well Status since Central Vacuum Unit CO2 Flood C-108 submittal

API	Lease Name	Well #	Operator Name	Sec.	Twp.	Range	Unit Ltr.	Current Status	Spud Date	Comp. Date	Change
30025349440000	Central Vacuum Unit	295	Texaco	6	18S	35E	A	G-SA Producer	20000320	20000416	New Drill
30025211080001	Vacuum Glorieta West Unit	119	Texaco	6	18S	35E	A	P&A	19640911	19681127	P&A
30025311290100	Vacuum Glorieta West Unit	118	Texaco	6	18S	35E	B	Glorieta Producer	19910217	19971117	Horizontal Recompletion
30025207530100	Vacuum Glorieta West Unit	116	Texaco	6	18S	35E	D	Glorieta Producer	19640629	19991026	Horizontal Recompletion
30025212920100	Vacuum Glorieta West Unit	127	Texaco	6	18S	35E	F	Glorieta Producer	19650412	20000822	Horizontal Recompletion
30025334280001	Vacuum Glorieta West Unit	132	Texaco	6	18S	35E	H	TA-Glorieta	19960710	19990201	Temporary Abandonment
30025348320000	East Vacuum (GBSA) Unit Tr. 3127	395	Phillips	31	17S	35E	I	G-SA Injector	20000503	20000614	New Drill
30025348330000	East Vacuum (GBSA) Unit Tr. 3127	396	Phillips	31	17S	35E	J	G-SA Injector	20000423	20000614	New Drill
30025348340000	East Vacuum (GBSA) Unit Tr. 3127	397	Phillips	31	17S	35E	J	G-SA Producer	20000415	20000627	New Drill
30025348350000	East Vacuum (GBSA) Unit Tr. 3127	398	Phillips	31	17S	35E	J	G-SA Injector	20000512	20000622	New Drill
30025323110001	Warn State A/C-1	6	Marathon	31	17S	35E	K	Abo/Wolfcamp Prod.	19931128	19980113	Commingie Abo w/Wf/cmp
30025337220000	Central Vacuum Unit	175	Texaco	31	17S	35E	L	G-SA Producer	19970103	19970212	New Drill
30025203390100	Vacuum Glorieta West Unit	103	Texaco	31	17S	35E	M	Glorieta Producer	19640201	19980227	Horizontal Recompletion
30025312040001	Central Vacuum Unit	345	Texaco	31	17S	35E	N	G-SA Injector	19910507	19971103	Convert to Injection
30025349430000	Central Vacuum Unit	286	Texaco	31	17S	35E	O	G-SA Producer	20000326	20000418	New Drill
30025348360000	East Vacuum (GBSA) Unit Tr. 3127	399	Phillips	31	17S	35E	P	G-SA Injector	20000520	20000623	New Drill



CVU 295

6/21/2000  
SNG

50 SHEETS  
22-141 100 SHEETS  
22-142 200 SHEETS  
22-144



0

1000

2000

3000

perforated 2 jspf @  
4352-60, 71-76, 79-83,  
85-87, 93-94, 99-4413,  
15-21, 23-31, 49-55, 56-65,  
79-83, 91-96, 4500-04,  
09-38, 46-52, 56-60, 71-88,  
4601-02, 05-08, 16-24, 27-35,  
42-52, 54-74, 76-86, 89-98  
4352'

perforated interval →

PBTD: F.C. @ 4818'

5000

4698'

TD: 4860'

12-1/4" hole  
to 1545'

(J-55/K-55)  
8-5/8 24# STC csg set @ 1545'  
cemented w/990 sx 'C'  
cement circulated.

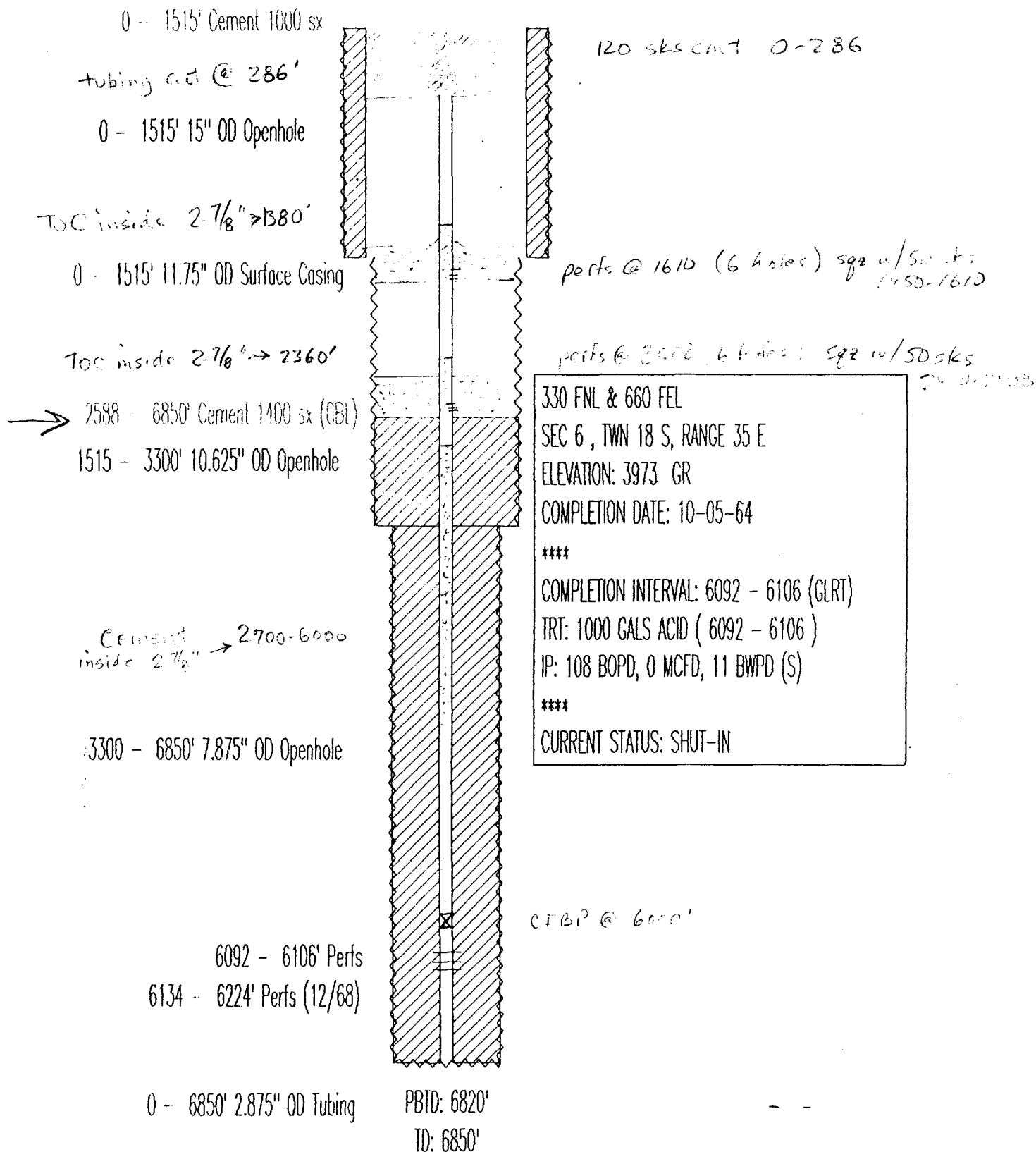
7 7/8" hole  
1545' to 4860'

Initial stimulation :  
18,000 gal 15% HCl w  
8000# R.S. IN 6000 gal G.B.

5-1/2" 15.5 # K-55 csg set @ 4860'  
cemented w/800 sx 35/65 poz-H  
(12.8 ppg) followed by 150 sx 35/65  
poz-H (16 ppg) cement circulated  
surface

VGWU#119

TEXACO  
NM R STATE NCT-1 NO. 8  
API# 30025211080000



TEXACO EXPL & PROD  
VAC GLOR WEST UNIT NO. 118  
API# 3002531129



0 - 40' 16" OD SURF CSG

0 - 40' 20" OD HOLE

0 - 40' CEMENT 0 sx

0 - 1547' CEMENT 1400 sx

0 - 1547' 11.75" OD INT CSG

40 - 1547' 14.75" OD HOLE

0 - 3000' CEMENT 950 sx

0 - 3000' 8.625" OD INT CSG

1547 - 3000' 11.00" OD HOLE

1139 - 6205' CEMENT 1330 sx  
(Calc.)

660 FNL & 2135 FEL  
SEC 6, TWN 18 S, RANGE 35 E  
ELEVATION: 3983 KB  
SPUD DATE: 02-17-91  
COMPLETION DATE: 07-01-91  
COMPLETION INTERVAL: 5884 - 5908 (GLRT)

4-3/4" O.H. LATERAL  
TD 7134  
5860 KOP

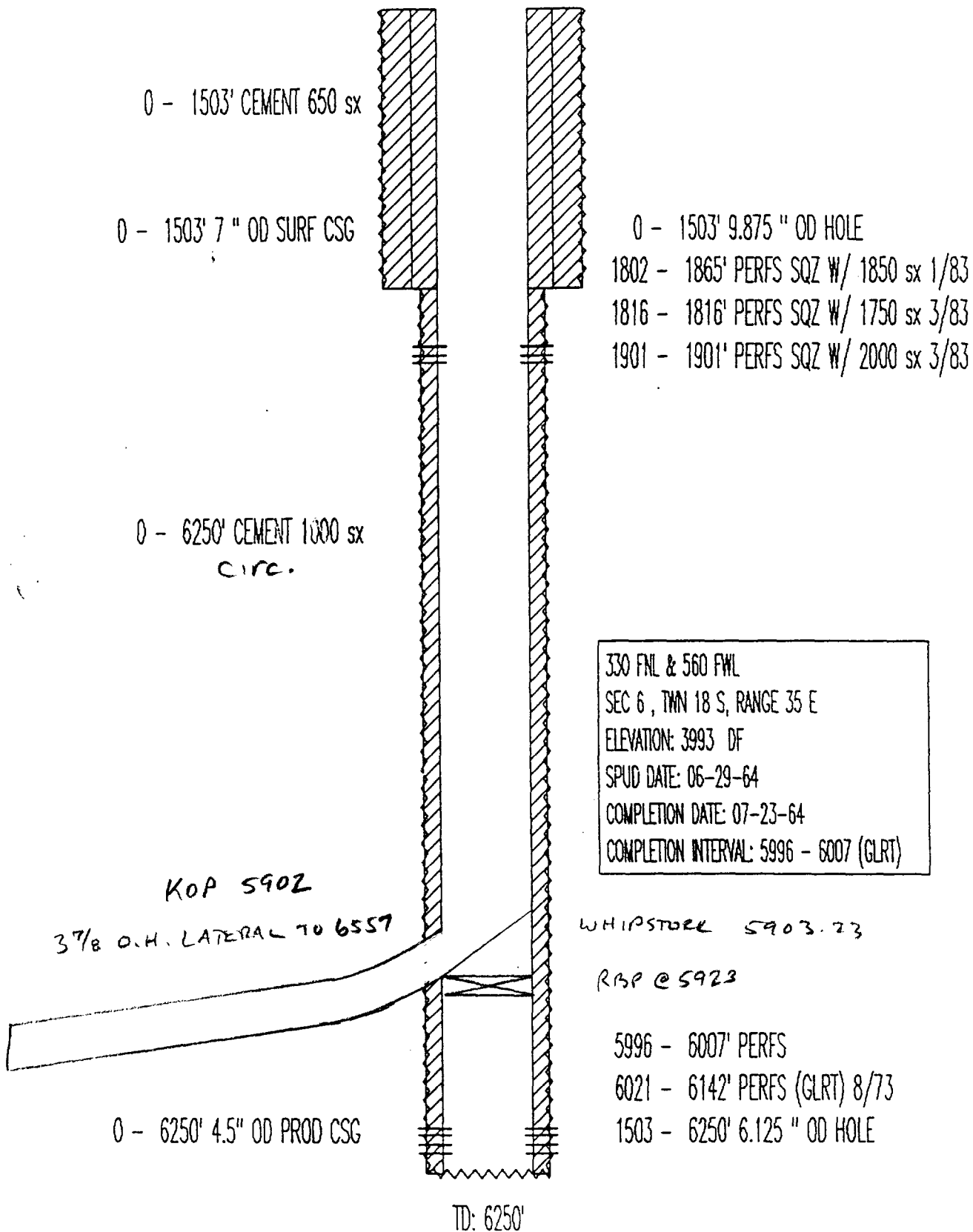
0 - 6205' 5.5" OD PROD CSG

5884 - 5908' PERFS - SQUEEZED

3000 - 6205' 7.875" OD HOLE

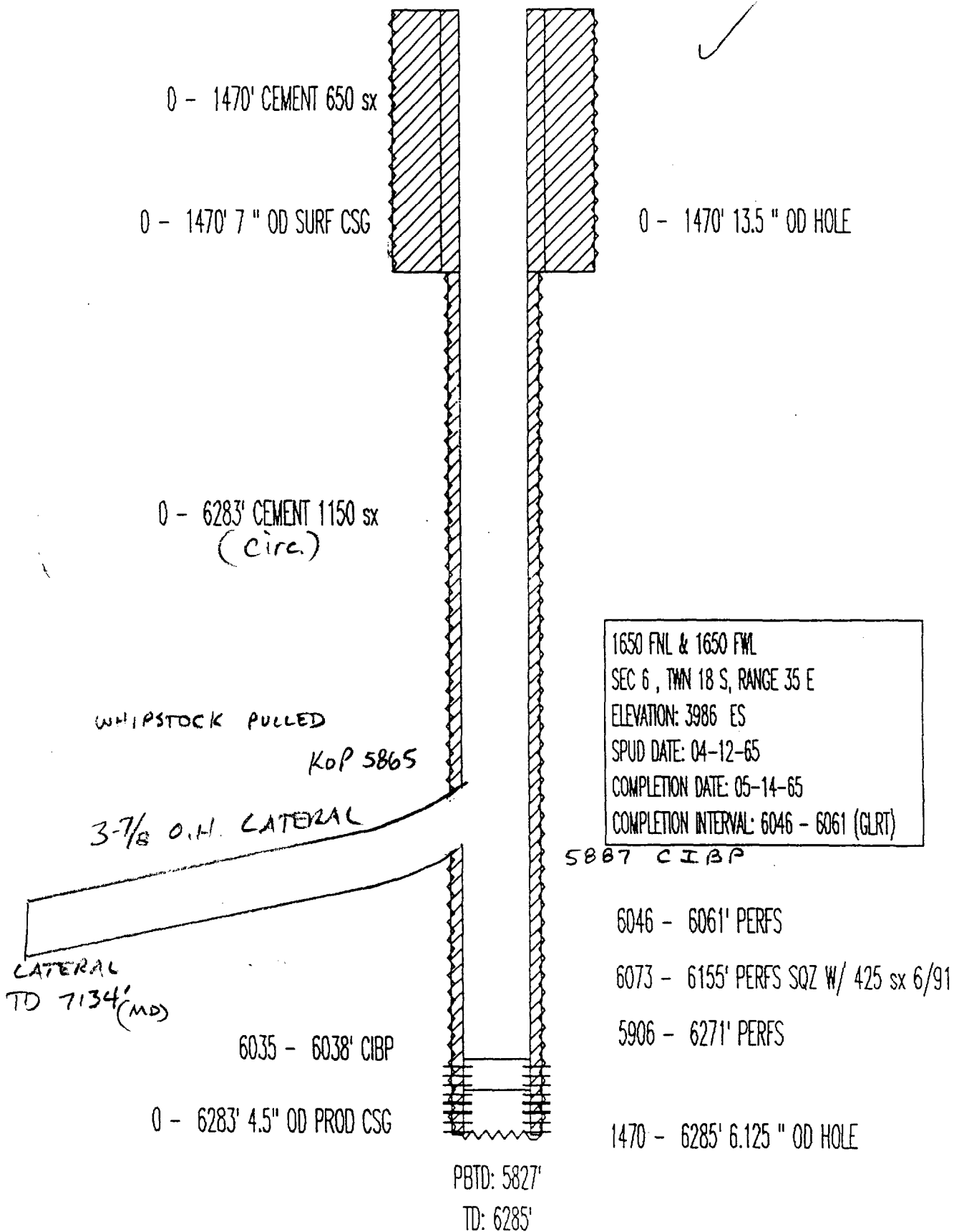
TD: 6205'

TEXACO EXPL & PROD  
VAC GLOR WEST UNIT NO. 116  
API# 3002520753



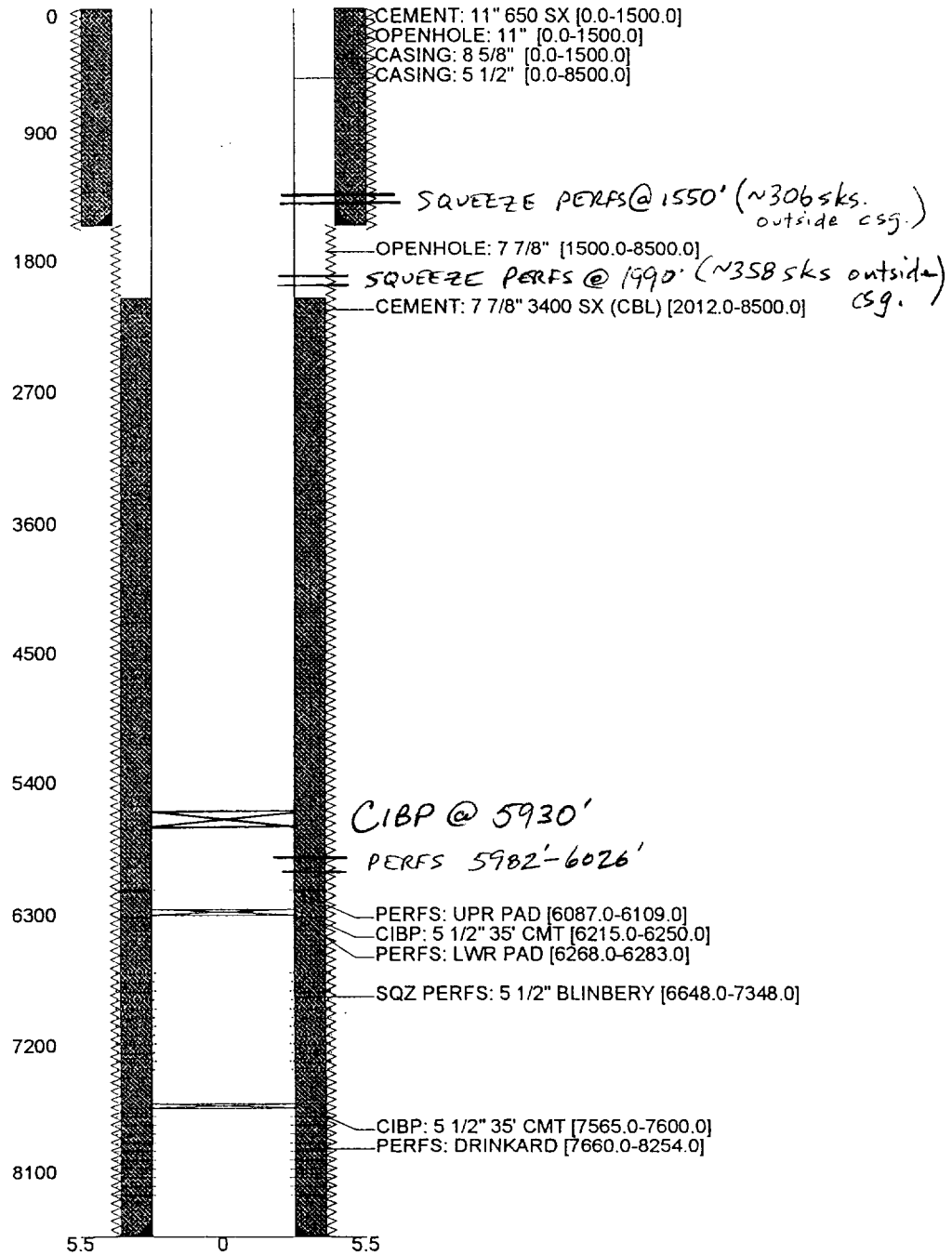


TEXACO EXPL & PROD  
VAC GLOR WEST UNIT NO. 127  
API# 3002521292



VGWU 132

Name: 132 ID: 3002533428 Type: Oil Date: 6/16/00



PRODEDURE NO. 00021

RKB: 4013'  
GL: 4000'

12-1/4" HOLE  
8-5/8" 24#, K-55, ST&C  
Cmtd. W/815 Sxs, Circ. 112  
sxs. To surf.

TOC @ Surface  
Csg. Set @ 1565'

Lease & Well No.: EVGSAU 3127-395W

Well Category: Two

Area: New Mexico

Subarea: EVGSAU Field: Vacuum

Legal Description:  
2630' FSL, 575' FEL, Sec. 31, T17S, R35E  
Lea County, New Mexico

Spudded: 05/03/2000 Status: New Drill

Completed:

Well Head: 3000 psi ABB Vetco

Proposal: To complete presently as an injector in the Upper San Andr

Justification: See History/Justification Attached

Stimulation:

Preparer R. D. Standifer  
Prod. Engr. J. Britt Hirth  
Approv. By \_\_\_\_\_

**PROPOSED UPPER SAN ANDRES  
PERFORATIONS**

4337'-4353' 16'----34 holes

4366'-4381' 15'--- 32 holes

4432'-4461' 29'----60 holes

**TOTAL 60'--126 Holes**

5-1/2" 15.5# K-55 Csg. LT&C

Set @ 4836'

Cmt w/950 sxs., Circ. 63 sxs to Surface

7-7/8" Hole

PBTD: 4800'  
TD: 4848'

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PRODEDURE NO. 00019

RKB: 3989'  
GL: 3976'

**12-1/4" HOLE**  
8-5/8" 24#, J-55, ST&C  
Cmtd. W/815 Sxs, Circ. 168  
sxs. To surf.  
**TOC @ Surface**  
Csg. Set @ **1549'**

Lease & Well No.: **EVGSAU 3127-396W**

Well Category: **Two**  
Area: **New Mexico**  
Subarea: **EVGSAU** Field: **Vacuum**

Legal Description:  
**2630' FSL, 1950' FEL, Sec. 31, T17S, R35E**  
**Lea County, New Mexico**

Spudded: **04/23/2000** Status: **New Drill**

Completed:

Well Head: 3000 psi ABB Vetco

Proposal: To complete as an injectorr

Justification: See History/Justification Attached

Stimulation:

Preparer R. D. Standifer

Prod. Engr. J. Britt Hirth

Approv. By \_\_\_\_\_

**PERFORATIONS**

4388'-4382' 5'---12 holes

4392'-4454' 62'---126 holes

4480'-4520' 40'---82 holes

**TOTAL 107'---220 Holes**

5-1/2" 15.5# K-55 Csg. LT&C

Set @ 4849'

TOC @ Surface(Cmt Tailed in 150 sxs) pumped 950 sxs

**7-7/8" Hole**

PBTD: 4803'  
TD: 4850'

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12-1/4" HOLE

Lease &amp; Well No.:

EVGSAU 3127-397

8-5/8" 24#, J-55, ST&C  
Cmtd. W/815 Sxs, Circ. 94  
sxs. To surf.

TOC @ Surface

Csg. Set @ 1558'

Flt. Collar @ 1517.94

Well Category:

Two

Area:

New Mexico

Subarea:

EVGSAU

Field: Vacuum

Legal Description:

1885' FSL, 2630' FEL, Sec. 31, T17S, R35E

Lea County, New Mexico

Spudded:

04/14/2000

Status: New Drill

Completed:

Well Head: 3000 psi ABB Vetco

Proposal: To complete as a producer

Justification: See History/Justification Attached

Stimulation:

Preparer R. D. StandiferProd. Engr. J. Britt Hirth

Approv. By \_\_\_\_\_

## PERFORATIONS

4346'-4350' 4'----10 holes

4353'-4359' 6'----14 holes

4406'-4445' 39'----80 holes

4464'-4530' 66'--134 holes

4567'-4642' 75'---152 holes

4646'-4650' 4'---- 10 holes

TOTAL 194'---400 Holes

5-1/2" 15.5# K-55 Csg. LT&amp;C

Set @ 4849'

TOC @ Surface(Cmt Tailed in 150 sxs) pumped 800 sxs

7-7/8" Hole

PBTD: 4803'

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TD: 4850'

PRODEDURE NO. 00023

RKB: 3989'  
GL: 3976'

**12-1/4" HOLE**

8-5/8" 24#, K-55, ST&C  
Cmtd. W/815 Sxs, Circ. 135  
sxs. To surf.

**TOC @ Surface**  
Csg. Set @ **1540'**

Lease & Well No.: **EVGSAU 3127-398W**

Well Category: **Two**

Area: **New Mexico**

Subarea: **EVGSAU** Field: **Vacuum**

Legal Description:

**1415' FSL, 2140' FEL, Sec. 31, T17S, R35E**

**Lea County, New Mexico**

Spudded: **05/11/2000** Status: **New Drill**

Completed:

Well Head: 3000 psi ABB Vetco

Proposal: To complete presently as an injector in the Upper San Andr

Justification: See History/Justification Attached

Stimulation:

Preparer R. D. Standifer

Prod. Engr. J. Britt Hirth

Approv. By \_\_\_\_\_

**PROPOSED UPPER SAN ANDRES  
PERFORATIONS**

4370'-4390' 20'---42 holes

4393'-4417' 24'--- 50 holes

4424'-4432' 8'--- 18 holes

4444'-4486' 42'---86 holes

**TOTAL 94'--196 Holes**

5-1/2" 15.5# K-55 Csg. ST&C

Set @ 4842'

Cmt w/950 sxs.

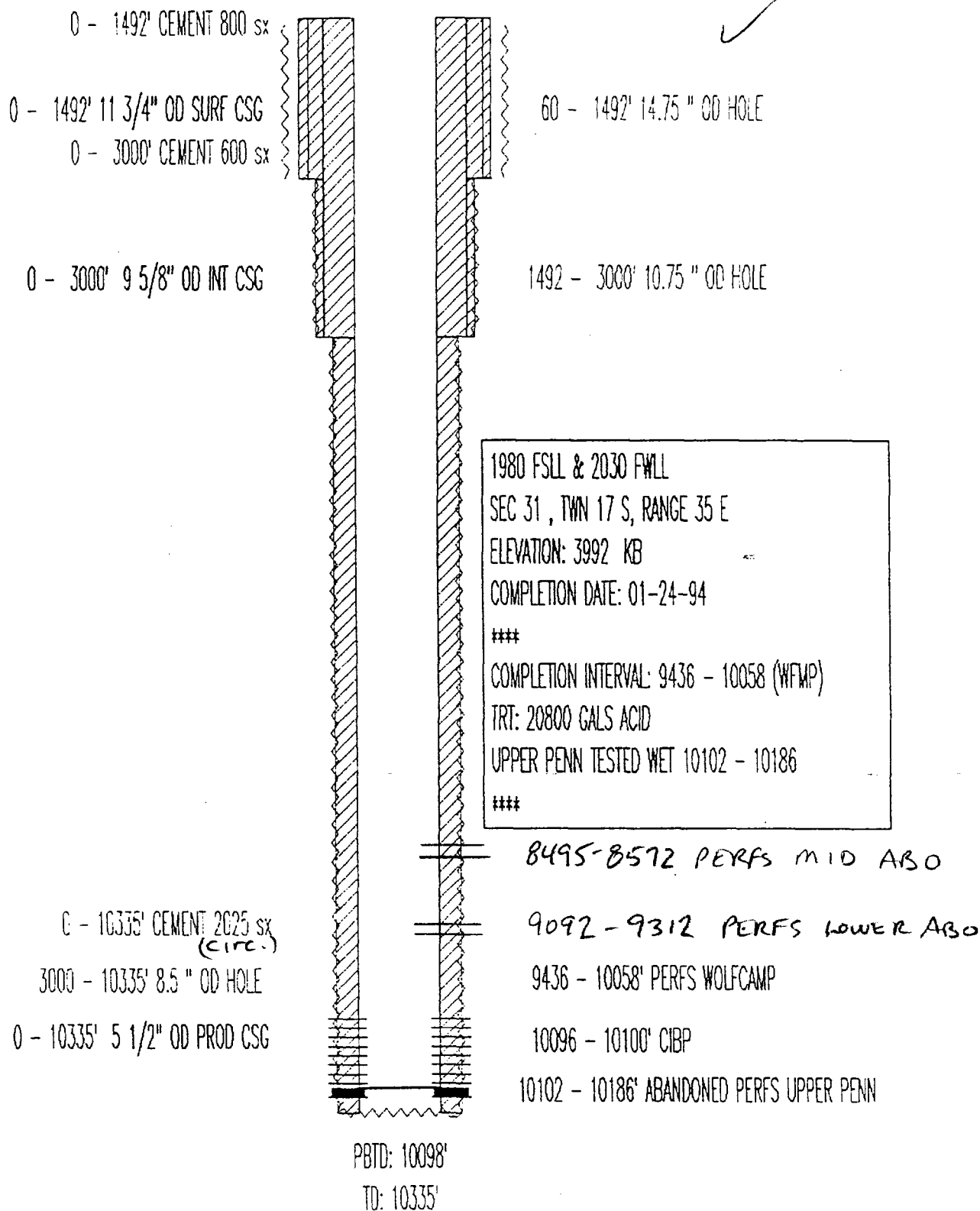
**7-7/8" Hole**

PBTD: 4795'  
TD: 4842'

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PRODUCING  
WOLFCAMP  $\frac{1}{2}$  ABO

MARATHON OIL  
WARN STATE A/C-1 NO. 6  
API# 3002532311



# Central Vacuum Unit 175

Well Number:	CVU 175	Oil Producer
API	3002533722	
Spud	1/3/97	
Sec	31	
Twonshp	17 S	
Range	35 E	
	1617	FSL
	1107	FWL
Unit	L	

11" hole

Cemented w/550 sks, circ to surface

8 5/8" Casing (24 #/ft WC 50)

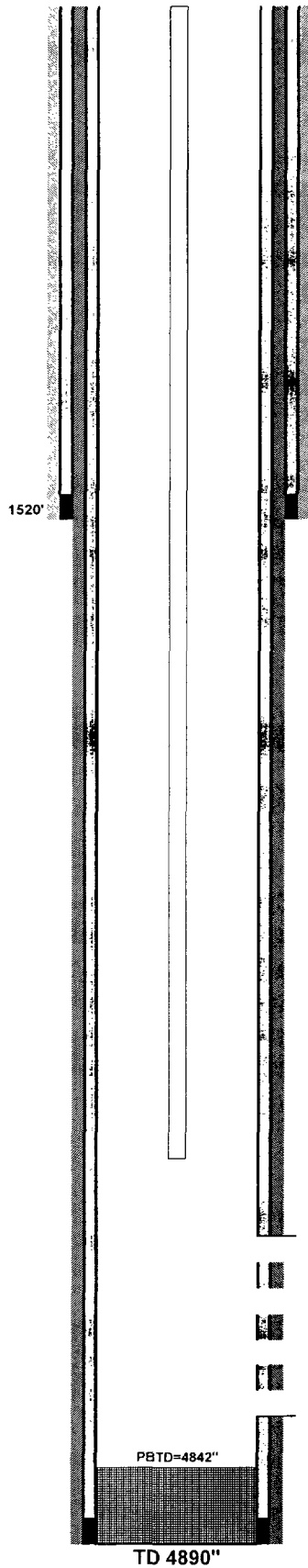
7-7/8" Hole

Perforations 4445-4760 (select zones 4 spf, total 724 holes)

Initial Stimulation: 18,000 gals 15%, 5 stages, 6600# RS, 5 BPM  
Max 4500 avg 3000 ISIP 2500 good block action

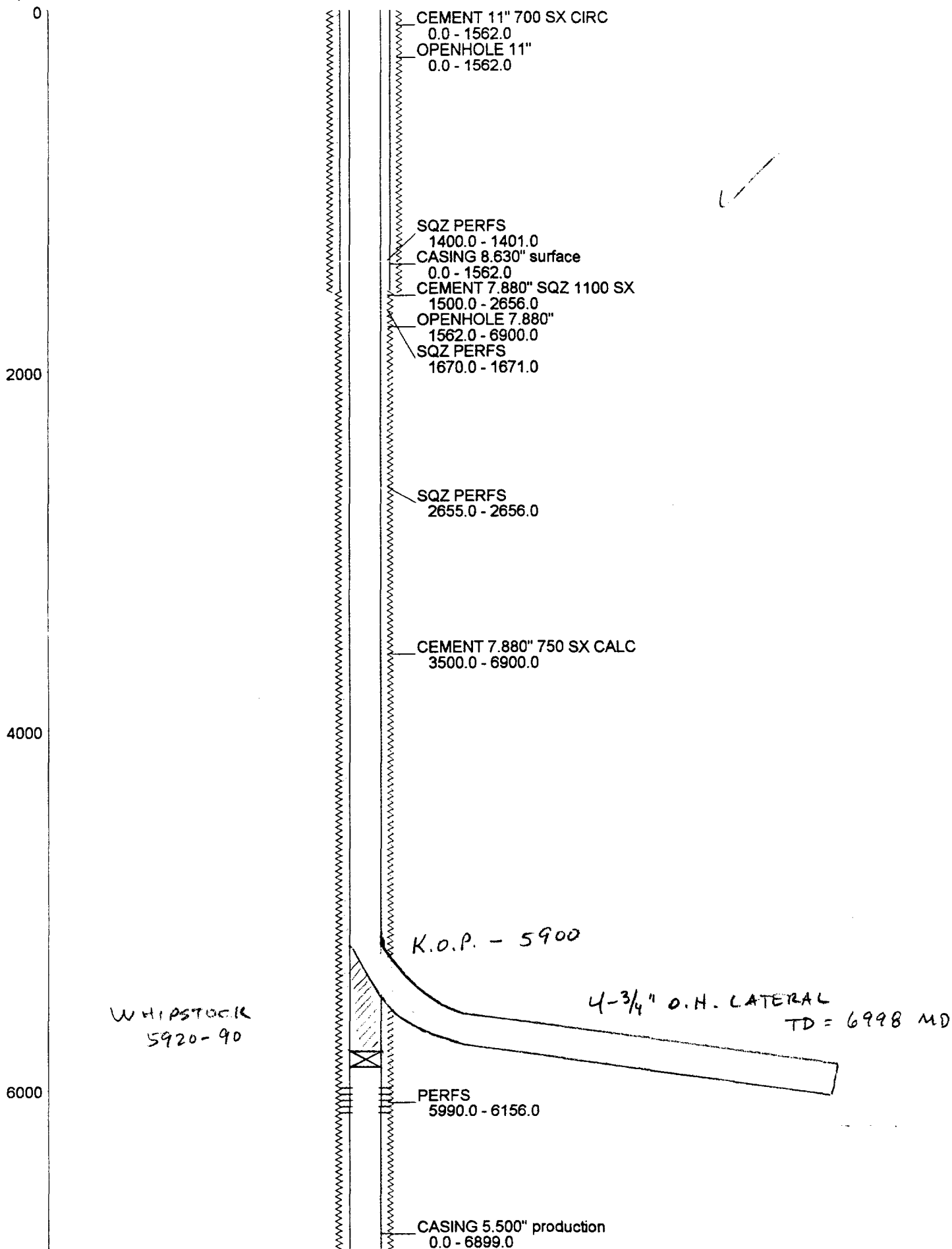
Cemented w/900 sks, circ to surface

5-1/2" casing (15.5# WC50) to 4890'





Name: 103 ID: 3002520339 Type: Date: 19971022  
KB: 3994.0 TD: 6900.0 PBD: 0.0 Comp Date: 0



TEXACO E&P INC.  
CENTRL VACUUM UNIT NO. 345  
API# 3002531204

KB = 15'

0 - 1550' 13.375" OD 48.00#/ft SURF CSG  
0 - 1550' CEMENT 1600 SX

0 - 1550' 17.5" OD HOLE  
1637 - 1637' DVTOL

0 - 2800' 9.6255" OD 36.00#/ft INT CSG  
0 - 2800' CEMENT 1550 SX

1550 - 2800' 12.25" OD HOLE

2 7/8" Tbg Rice DuoLine 2.28" ID  
@ 4235'

ON-OFF w/1.875" F nipple

2 7/8" x 7" packer

2 3/8" x 2 7/8" X-OVER

2 3/8" pump out plug

4309 - 4710' PERFS

0 - 4840' 7" OD 26.00#/ft PROD CSG  
250 - 4800' CEMENT 900 SX  
(CBL)

2800 - 4840' 8.75" OD HOLE

PBTD 4735'

1310 FSL & 1850 FWL  
SEC 31, TWN 17 S, RANGE 35 E  
ELEVATION: 4001 KB  
COMPLETION DATE: 08-03-91

\*\*\*

COMPLETION INTERVAL: 4309 - 4590 (GBSA)

CVU 286

10/24/2000 SNG

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



✓  
12 1/4" hole

8-5/8 24# J-55 set @ 1550'  
cemented w/ 535 sks 'C' 2% SI,  
14.8 ppg 1.34 ft<sup>3</sup>/sk  
Bumped plug; circulated 157 sks to  
reserve.

7-7/8" hole

Initial Stimulation:  
23,000 gals 15% HCl  
w/ 18400 # R.S. in gelled brine  
Good action on well. 7 stages  
P<sub>max</sub> = 4800; P<sub>min</sub> = 2028  
P<sub>avg</sub> = 2600 psi @ 5 BPM  
SI P = 2200 psi 15 min SI = 1822

Perfs (2 jsf, 120° phasing)  
4351-55, 61-69, 71-4437,  
44-99, 4538-96, 4602-26,  
4664-98

PBTD  
4796'

5-1/2" 15.5# K-55 LTC set @ 4843'  
Cemented w/ 800 sks 35/65 poz 'H'  
6% D-20 5% D-44 0.25 pps D-29  
12.4 ppg flb 150 sks 35/65 poz 'H'  
w/ 1.5 GPs D-600, .05 GPs M45, .3%  
D-65 0.5% SI, 0.25 pps D-29 @ 16 ppg  
Bumped plug; circulated 157 sks to  
reserve.

PRODEDURE NO. 00025

RKB: 3984'  
GL: 3971'

12-1/4" HOLE  
8-5/8" 24#, K-55, ST&C  
Cmtd. W/815 Sxs, Circ. 45  
sxs. To surf.

TOC @ Surface  
Csg. Set @ 1559'

Lease & Well No.: EVGSAU 3127-399W

Well Category: Two  
Area: New Mexico

Subarea: EVGSAU Field: Vacuum

Legal Description:  
10' FSL, 660' FEL, Sec. 31, T17S, R35E  
Lea County, New Mexico

Spudded: 06/01/2000 Status: New Drill

Completed:

Well Head: 3000 psi ABB Vetco

Proposal: To complete presently as an injector in the Upper San Andr

Justification: See History/Justification Attached

Stimulation:

Preparer R. D. Standifer

Prod. Engr. J. Britt Hirth

Approv. By \_\_\_\_\_

**PROPOSED UPPER SAN ANDRES  
PERFORATIONS**

4346'-4400'	54'---110 holes
4412'-4420'	8'--- 18 holes
4442'-4454'	12'--- 26 holes
4472'-4500'	28'---58 holes
<b>TOTAL</b>	<b>102'--212 Holes</b>

5-1/2" 15.5# K-55 Csg. LT&C  
Set @ 4837'  
Cmt w/950 sxs., Circ. 52 sxs.  
7-7/8" Hole

PBTD: 4830'  
TD: 4850'

O:\EVGSAU\WELLFILE\wellbore\3127-399.wbs

## Notices to Offset Operators and Landowners

OPERATOR OR LANDOWNER	TITLE	ADDRESS
Phillips Petroleum Company	Land Dept.	4001 Penbrook, Odessa TX 79762
Marathon Oil Company	Joint Interest Supv.	P.O. Box 552, Midland TX 79702
ExxonMobil		P.O. Box 4697, Houston TX 77210
Ricks Exploration II, L.P.		3000 Oklahoma Tower, 210 Park Avenue, Oklahoma City OK 73102
Roy Pearce, Jr. Trust	Land Owner	1717 W. Jackson, Pecos TX 79772
Giles M. Lee	Land Owner	West St. Rte. Box 478, Lovington NM 88260
NM State Land Office	Land Owner	3830 N. Grimes – C, Hobbs NM 88240
NM State Land Office (attn: Mr. Pete Martinez)	Land Owner	P.O. Box 1148, Santa Fe NM 87504-1148

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

March 2 2001

and ending with the issue dated

March 2 2001

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 2nd day of

March 2001

Jodi Benson

Notary Public.

My Commission expires  
October 18, 2004  
(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**

**March 2, 2001**

Texaco Exploration and Pro-  
duction Inc. is applying for  
permission to drill and com-  
plete injection well Central  
Vacuum Unit Well No. 294.  
This well will be drilled 10'  
~~from the north line and 2630'~~  
from the east line of Section 6  
of T18S R35E, Lea County. It  
is intended for the purpose of  
injecting water and carbon di-  
oxide to improve oil recovery  
from the portions of the Gray-  
burg and San Andres forma-  
tions that lie between 4200  
and 4800 feet below the sur-  
face. Anticipated injection rate  
for No. 294 will be 2500 bar-  
rels of water per day at a sur-  
face injection pressure of 860  
pounds per square inch, or 5  
million cubic feet of carbon di-  
oxide per day at a surface in-  
jection pressure of 1210  
pounds per square inch.

Interested parties must file  
objections or requests for  
hearings with the Oil Conser-  
vation Division, 1220 S. St.  
Francis Dr., Santa Fe, New  
Mexico 87504, within 15 days.

For information contact:

Texaco Exploration and  
Production Inc.  
P.O. Box 3109  
Midland, TX 79702-3109  
Contact Party: Steve Guillot

**2015 GW**

02104895000 02545240  
Texaco Exploration and Product  
P.O. Box 3109  
MIDLAND, TX 79702-3109

## 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:

NM State Land Office  
 Attn: Peter Martinez  
 P.O. Box 1148  
 Santa Fe, NM 87504-1148

2. Article Number (Copy from service label)

Z-260-099-123

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 *[Signature]* ☐ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below:  
 MAR 13 2001

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

- 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:

Dules M. Lee  
 West St. Rte  
 Box 478  
 Livingston, NM 88260

2. Article Number (Copy from service label)

Z-260-099-121

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-

## COMPLETE THIS SECTION ON DELIVERY

- A. Received by (Please Print Clearly) B. Date of Delivery  
 C. Signature *[Signature]* ☐ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below:

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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 ■ 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:

NM State Land Office  
 3830 N. Drimes - C  
 Hobbs, NM 88240

2. Article Number (Copy from service label)

Z-260-099-122

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  
 MYRA MEYERS *[Signature]* ☐ Agent ☐ Addressee  
 C. Signature *[Signature]* ☐ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below:

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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 ■ 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:

Ray Pearce, Jr. Trust  
 1717 W. Jackson  
 Pecos, NM 87972

2. Article Number (Copy from service label)

Z-260-099-120

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M

## COMPLETE THIS SECTION ON DELIVERY

- A. Received by (Please Print Clearly) B. Date of Delivery  
 C. Signature *[Signature]* ☐ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below:

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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 ■ 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:

Marathon Oil Co.  
 P.O. Box 552  
 Highland, TX 79702

2. Article Number (Copy from service label)

Z 260 099 117

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

## COMPLETE THIS SECTION ON DELIVERY

- A. Received by (Please Print Clearly) Marathon Oil Co. B. Date of Delivery 03/12/01  
 C. Signature [Signature] ☒ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes ☐ No  
 If YES, enter delivery address below:

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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 ■ 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:

Exxon Mobil  
 P.O. Box 4697  
 Houston, TX 77210

2. Article Number (Copy from service label)

Z 260 099 118

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-

## COMPLETE THIS SECTION ON DELIVERY

- A. Received by (Please Print Clearly) GEE B. Date of Delivery 03/12/01  
 C. Signature [Signature] ☒ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes ☐ No  
 If YES, enter delivery address below:

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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 ■ 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:

Phillips Petroleum Co.  
 Land Dept.  
 4001 Penbrook  
 Odessa TX 79762

2. Article Number (Copy from service label)

Z 260 099 116

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

## COMPLETE THIS SECTION ON DELIVERY

- A. Received by (Please Print Clearly) Yadira Olivas B. Date of Delivery 03/12/01  
 C. Signature [Signature] ☒ Agent ☐ Addressee  
 D. Is delivery address different from item 1? ☐ Yes ☐ No  
 If YES, enter delivery address below:

3. Service Type  
☒ Certified Mail ☐ Express Mail  
☐ Registered ☒ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.  
 4. Restricted Delivery? (Extra Fee) ☐ Yes

Z 260 099 119

US Postal Service

## Receipt for Certified Mail

\*No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Rick's Exploration  
 Street & Number 210 Oak Ave  
 Post Office, State, & ZIP Code Delaware City, OK 73102  
 Postage \$  
 Certified Fee  
 Special Delivery Fee  
 Restricted Delivery Fee  
 Return Receipt Showing to Whom & Date Delivered  
 Return Receipt Showing to Whom, Date, & Addressee's Address  
 TOTAL Postage & Fees  
 Postmark or Date

PS Form 3800, April 1995

7000 0520 0024 4316 0561

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)		
Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	
<b>Recipient's Name (Please Print Clearly) (To be completed by mailer)</b> RICKS EXPLORATION Street, Apt. No., or PO Box No. 210 Park Avenue 3000 OKLAHOMA TOWER City, State, ZIP+4 OKLAHOMA CITY OK 73102		
PS Form 3800, February 2000 See Reverse for Instructions		

1<sup>st</sup> attempt at sending  
 to this offset operator.  
 No receipt of delivery received  
 from first mailing; rechecked  
 address and resent.