

SWD 9/30/97

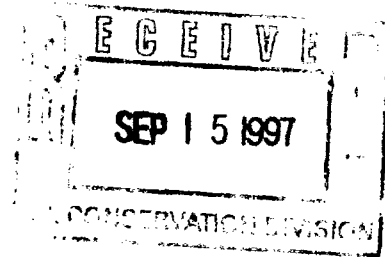
## SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone (915) 682-9784  
Fax (915) 684-5026

September 10, 1997

Oil Conservation Division  
P.O. Box 2088  
State Land Office Building  
Santa Fe, NM 87501



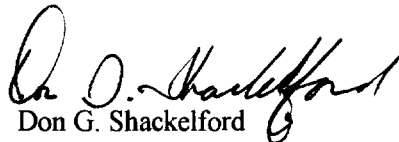
Attn: David R. Catanach

Re: Application for Saltwater Disposal  
Plains Unit Federal Well No. 7  
Delaware Mountain Group, Seven Rivers

Dear Sir:

Enclosed is Shackelford Oil Company's Application For Authorization To Inject (Form C-108) and required supporting data, for salt water disposal in the referenced well bore. I trust this will fulfill the data needed for the administrative approval of Shackelford Oil Company's application, but should you need additional data or have any questions, please contact me.

Very truly yours,

  
Don G. Shackelford

DGS:ns

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Shackelford Oil Company  
Address: P.O. Box 10665, Midland, Texas 79702  
Contact party: Don G. Shackelford Phone: (915) 682-9784
- 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 \_\_\_\_\_.
- 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 geological data on the injection zone including appropriate lithologic detail, geological 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 source 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 source 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: Don G. Shackelford Title President  
Signature: Don G. Shackelford Date: September 10, 1997
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## 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 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, P. O. Box 2088, Santa Fe, New Mexico 37501 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.

SHACKELFORD OIL COMPANY  
APPLICATION FOR SALT WATER DISPOSAL  
WELL DATA SHEET

III.

A.

1. Lease Name: Plains Unit Federal  
Well No. : 7  
Lease No. : NM-01135  
Location: Sec. 33, T19S, R32E  
660' FNL & 760' FWL
2. Casing Data: 13-3/8", 49# H-40 set @ 835', 750 sx cement, cement circ. to surface.  
10-3/4", 40-5# J-55 set @ 2654', 900 sx cement, circulated.  
8-5/8", 32# J-55 @ 4582', 275 sx cement.  
\* 5-1/2", 15.5# & 17# J-55 & N-80 @ 11589', 650 sx cement.  
TOC: UNKNOWN  
  
\*5-1/2" csg was cut off at 3308'
3. Tubing Data: 2-7/8"
4. Packer Data: 5-1/2" Baker R type packer

B.

1. Injection Formation:

Brushy Canyon	6455' - 6458'
Cherry Canyon	4712' - 4732'
Yates-Seven-Rivers	2870' - 2960'
2. Perforated Interval:

Brushy Canyon	6455' - 6468'
Cherry Canyon	4712' - 4732'
3. Original Purpose of Well: To test the Strawn Formation for oil and gas in commercial quantities.
4. Other Perforated Intervals:

11440' - 11482'	15 sx cement plug CIBP @7700'
7652' - 7659'	125 sx squeeze
7535' - 7545'	40 sx cement plug
6660' - 6663'	220 sx squeeze
5740' - 5743'	300 sx squeeze
4840' - 4860'	100 sx squeeze

SHACKELFORD OIL COMPANY  
APPLICATION FOR SALT WATER DISPOSAL  
WELL DATA SHEET

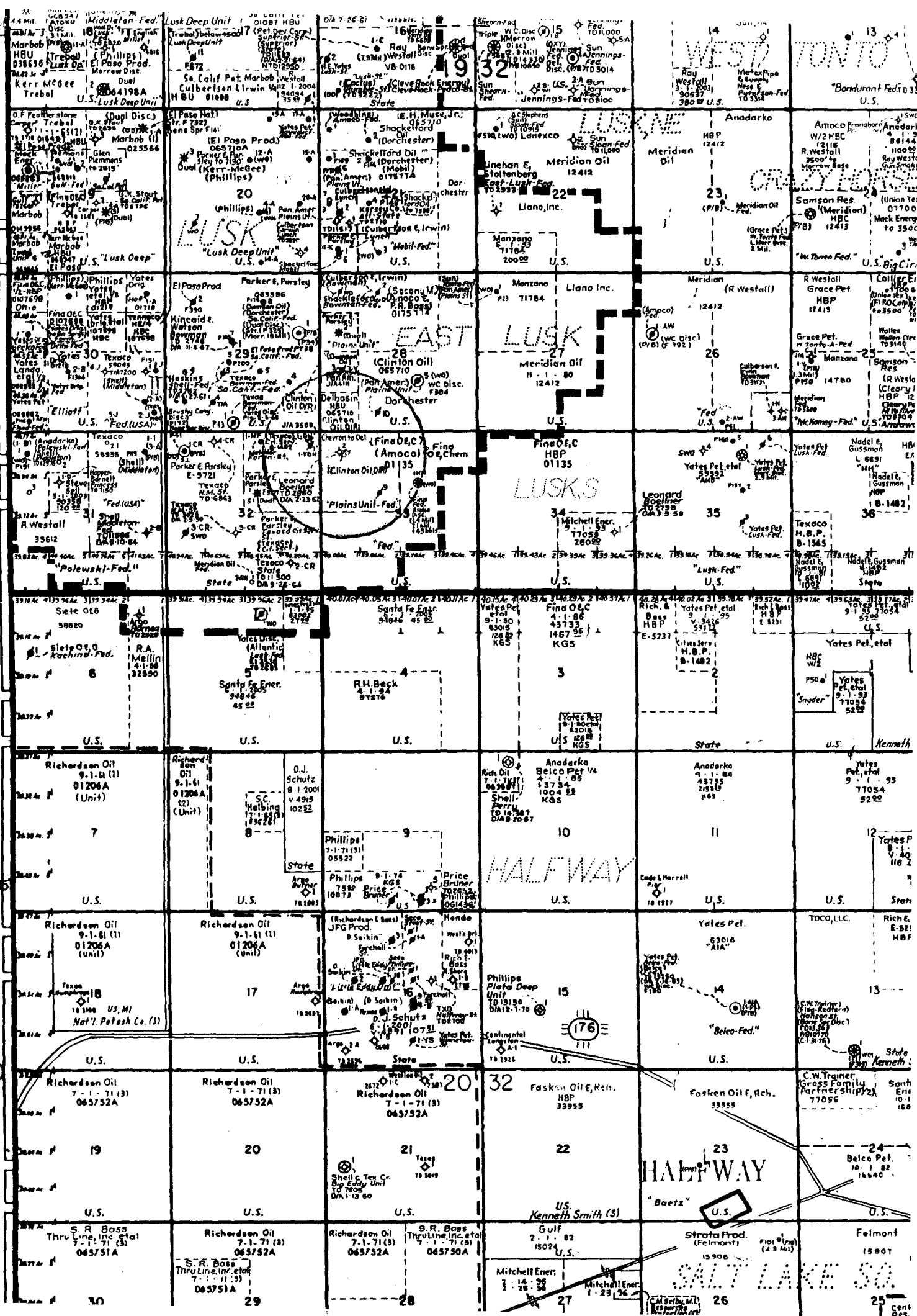
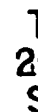
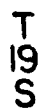
5. Next Higher Productive Zone: None  
Next Lower Productive Zone: Bone Springs (Top of Bone Springs: 7300')

VII.

1. Proposed Average Daily Rate: 1500 BWPD  
Proposed Maximum Daily Rate: 2500 BWPD
2. The system will be a closed system
3. Proposed Average Injection Pressure: 500 PSI  
Proposed Maximum Injection Pressure: 1500 PSI
4. Injection fluid: Attached
5. Not applicable

VIII.

1. Formation Name: Brushy Canyon  
Lithology: Sandstone  
Thickness: 13'  
Depth: 6455' - 6468'  
  
Formation Name: Cherry Canyon  
Lithology: Sandstone  
Thickness: 20'  
Depth: 4712' - 4732'  
  
Formation Name: Seven Rivers  
Lithology: Dolomite & Limestone  
Thickness: 90'  
Depth: 2870' - 2960'



HALLIBURTON ENERGY SERVICES  
WATER ANALYSIS REPORT  
HOBBS, NEW MEXICO

Company: Shackelford OilReport #: 96-386Don Shackelford 915-682-9784Date : Nov. 15, 1996District: Hobbs

Submitted By: \_\_\_\_\_

Well: Arco/B/L Depth: \_\_\_\_\_ Formation: \_\_\_\_\_

County: \_\_\_\_\_ Field: \_\_\_\_\_ Source: \_\_\_\_\_

Sample: Arco Brown Lynch #3Resistivity: 0.15 @ 72 °F 0.275 @ 72 °F 0.248 @ 72 °FSpecific Gr: 1.038 1.020 1.025pH: 6.78 6.9 7.1Calcium: 1100 mg/l 1500 mg/l 1300 mg/lMagnesium: 1080 mg/l 2200 mg/l 1200 mg/lChloride: 35500 mg/l 22500 mg/l 20000 mg/lSulfates: Heavy mg/l Heavy mg/l Heavy mg/lBicarbonates: 824 mg/l 1098 mg/l 897 mg/lSoluble Iron: Nil mg/l Nil mg/l Nil mg/lNOT APPLICABLEOil Gravity: 32.4 @ 60° F 27.6 @ 60° F @ 60° F

DATE: 9/10/96

OMEGA TREATING CHEMICALS, INC.  
2500 W. FRANCES STREET  
MIDLAND, TEXAS 79701

WATER ANALYSIS REPORT

COMPANY NAME: SHACKELFORD OIL

LEASE NAME: PLAINS

WELL# \ SAMPLE POINT: #6

1. WELLHEAD pH	6.97
2. H <sub>2</sub> S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	3160.00 Mg/L
4. MAGNESIUM (Mg)	826.20 Mg/L
5. IRON (Fe)	0.54 PPM
6. SODIUM	24678.72 Mg/L
7. CHLORIDE (Cl)	43310.00 Mg/L
8. BICARBONATE (HCO <sub>3</sub> )	1171.20 Mg/L
9. SULFATE (SO <sub>4</sub> )	2856.4 Mg/L
10. TOTAL HARDNESS	11300.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	76003.09 Mg/L
12. RESISTIVITY	0.09
13. CARBONATE SCALING TENDENCY	0.86
14. SULFATE SCALING TENDENCY	-0.37

BOPD

BWPD

REMARKS: SAMPLE LOADED WITH IRON SULFIDE

COPIES TO: DON SHACKELFORD



## API WATER ANALYSIS REPORT

COMPANY:	Shackleford	DATE :	August 22 1996
LEASE AND WELL :	Plains #6	LAB NO. :	H096589
COUNTY, STATE :	Lea, NM	DATE SAMPLED :	August 22, 1996
FORMATION :	Yates	SAMPLE POINT :	LOCATION
TEMPERATURE (BHT) :	degrees F	SUBMITTED BY :	Royce

## API WATER ANALYSIS REPORT

COMPANY:	Shackleford	DATE :	August 22 1996
LEASE AND WELL :	Plains #6	LAB NO. :	H096589
COUNTY, STATE :	Lea, NM	DATE SAMPLED :	August 22, 1996
FORMATION :	Yates	SAMPLE POINT :	LOCATION
TEMPERATURE (BHT) :	degrees F	SUBMITTED BY :	Royce

Specific Gravity = 1.030 @ 78 degrees F      pH = 7.9

### Anions

	Factor	ml	Sample	mg/l	Factor	me/l	(mg/l)	(me/l)
Chlorides	3545	4.1	0.5	29069.0	0.0282	819.75	0.4070	0.4099
Sulfates			1	3000.0	0.0208	62.40	0.0630	0.0624
Carbonates	60	0.0	0		0.0333	0.00	0.0000	0.0000
Bicarbonates	1000	16.5	10	1650.0	0.0164	27.06	0.0132	0.0135
Hydroxide	279			0.0	0.0588	0.00		

### Cations

	Factor	ml	Sample	mg/l	Factor	me/l	(mg/l)	(me/l)
Barium				0.0	0.0148	0.00		
Calcium	401	2.8	0.5	2245.6	0.0499	112.06	0.1123	0.1121
Magnesium	243	2.4	0.5	1166.4	0.0823	95.99	0.0956	0.0960
Iron		0		0.0	0.0537	0.00		
Sodium				16118.5	0.0435	701.16	0.3546	0.3506

Total Dissolved Solids =

53250

1818

Total Ionic Strength =

1.0457

1.0444

API Oil Gravity: 35.8

Tested By:

Greg Daniel

**LANE WELLS**

A DIVISION OF ORELLER INDUSTRIES, INC.

*Acoustilog*<sup>®</sup>

FILE NO.	COMPANY <u>PAN AMERICAN PETROLEUM CORP.</u>		
	WELL <u>PLAINS UNIT NO. 7</u>		
	FIELD <u>LUSK STRAWN</u> <i>h.m. 01/35</i>		
	COUNTY <u>LEA</u>	STATE <u>NEW MEXICO</u>	
	LOCATION: <u>660' FNL &amp; 760' FWL</u> <u>33-2</u>		Other Services <u>M/L-CALIPER</u> <u>IE/L</u>
	SEC <u>33</u>	TWP <u>19-S</u>	RGE <u>32-E</u>
Permanent Datum	<u>GROUND LEVEL</u>		Elev. <u>3550</u>
Log Measured from	<u>K. B.</u>	<u>19</u>	Ft. Above Permanent Datum
Drilling Measured from	<u>K. B.</u>		
			Elevations: KB <u>3569</u> DF <u>3567</u> GL <u>3550</u>
Date	<u>6-8-64</u>		
Run No.	<u>ONE</u>		
Depth—Driller	<u>11,589</u>		
Depth—Logger	<u>11,588</u>		
Bottom Logged Interval	<u>11,582</u>		
Top Logged Interval	<u>SURFACE</u>		
Casing—Driller	<u>8 5/8 @ 4582</u>	@	
Casing—Logger			
Bit Size	<u>7 7/8"</u>		
Type Fluid in Hole	<u>FRESH MUD</u>		
Density and Viscosity	<u>9.5</u> <u>37</u>		
pH and Fluid Loss	<u>16</u> cc		
Source of Sample	<u>CIRCULATED</u>		
Rm @ Meas. Temp.	<u>1.5 @ 76 °F</u>	@ °F	@ °F
Rmf @ Meas. Temp.	<u>1.23 @ 76 °F</u>	@ °F	@ °F
Rmc @ Meas. Temp.	<u>1.85 @ 76 °F</u>	@ °F	@ °F
Source of Rmf and Rmc	<u>MEAS. MEAS.</u>		
Rm @ BHT	<u>.69 @ 164 °F</u>	@ °F	@ °F
Time Since Circ.			
Max. Rec. Temp. Deg. F.	<u>164 °F</u>	°F	°F
Equip. No. and Location	<u>4596 HOBBS</u>		
Recorded By	<u>WASELL</u>		
Witnessed By	<u>MR. CORRIGAN</u>		

ROSWELL OFFICE COPY

RECEIVED

JUL - 2 1964

U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

2600

2700

2800

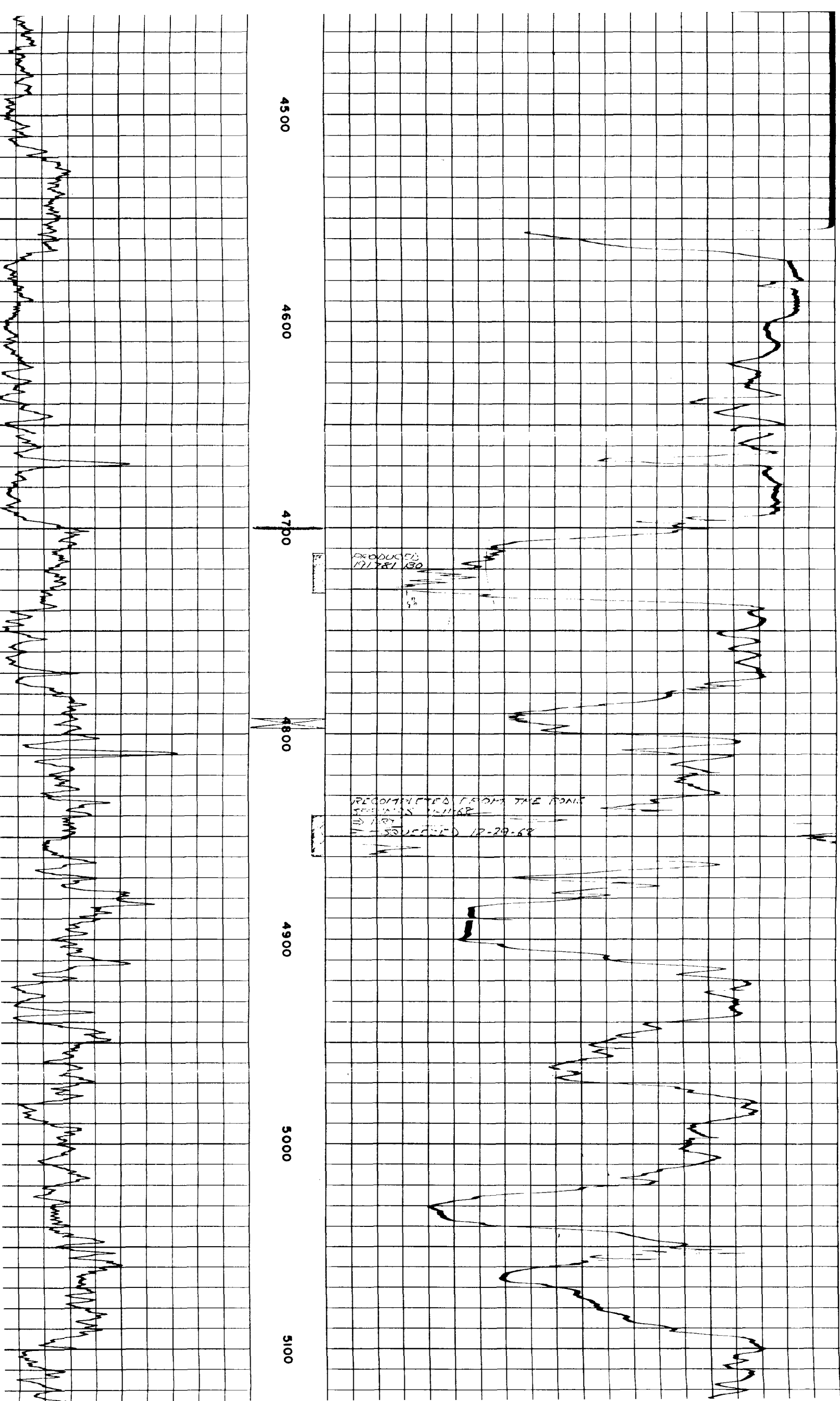
2900

3100

3200

4000

3000





CMT PLUG-SET  
@ SURFACE  
w/ 10 SX CMT  
8/12/63

CMT PLUG-SET  
@ 743' - 743'  
w/ 110 SX CMT  
8/12/63

PLAINS UNIT FEDERAL #3  
LUSK STRAIT  
LEA Co., NEW MEXICO  
SEC. 28, T19S, R32E

13<sup>3</sup>/<sub>8</sub>" SET @ 835'

CMT PLUG-SET  
@ 3090' - 3350'  
w/ 200 SX CMT  
8/12/63

CMT PLUG-SET  
@ 3300' - 3535'  
7/24/63

SIDE-TRACK HOLE IN  
UNDETERMINED DIRECTION  
TD 4005'

TD 4111'

9-881a  
Rev. 1961)

(SUBMIT IN TRIPLICATE)

Land Office

LC-065710

Lease No.

Unit

APPROVED

NOV 11 1963 10 25 AM '63  
HOBBS DISTRICT STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

E. G. HUBBLE

ACTING DISTRICT ENGINEER

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Plains Unit

August 15, 1963

19

Well No. 3 is located 1980 ft. from ~~NE~~ <sup>N</sup> line and 660 ft. from ~~SE~~ <sup>E</sup> line of sec. 28  
 N~~1~~/4, SW/4, Sec. 23, T-19-S, R-32-E NMPM  
 Lusk Strawn (Field) Lea (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3570 ft. RDB

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(See Attachment)

RECEIVED  
 AUG 19 1963  
 U. S. GEOLOGICAL SURVEY  
 ARTESIA, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Pan American Petroleum Corporation

Company

Post Office Box 68

Address

Hobbs, New Mexico

Original Signed by:  
W. L. STALEY

By

Area Superintendent

Title

ATTACHMENT TO FORM 9-331a dated August 15, 1963

PLAINS UNIT NO. 3

1980' FSL X 660' FWL, Sec. 28, 19-32

On July 26, 1963, while drilling at 4111', 15 drill collars become stuck. In subsequent fishing operations 3 collars were recovered leaving 12 collars in the hole. Top of fish at 3535'. After fishing for 7 days, a cement plug was set from top of fish to 3300'. Drilling was commenced in an undetermined direction to by-pass the junk in the hole, after unable to get whipstock to bottom. On 8-12-63, while making a trip after drilling the side-track hole to a depth of 4005', the drill pipe stuck once again. Top of fish at 3667'. After fishing for 2 days, verbal authority was obtained from Mr. J. A. Knauf, USGS, Artesia to abandon the hole and move location. Left 3 drill collars, jars, and bit in hole. Abandoned by spotting 300 sx. cement plug at 3350'-3093'; 110 sx. at 943-743'; and 10 sx at surface. Erected PXA marker.



APPLICATION FOR  
SALT WATER DISPOSAL  
PLAINS UNIT FEDERAL WELL NO. 7  
LEA COUNTY, NEW MEXICO

WELL DATA TABULATION

Operator: Well Name	Type	Date Drilled	Location	Total Depth	Completion			Status
					Perf	Reservoir	Date	
Pan American Petroleum Corp. Plains Unit #3	J&A	7-26-63	Sec. 28, T19S, R32E 1980' FNL & 660' FWL	4,111	-----	-----	7-26-63	DC stuck @ 4111' DC Stuck @ 4005' P&A
	Oil	8-18-63	Sec. 28, T19S, R32E 1980' FSL & 760' FWL	11,485'	11458-11480 11390-11480	Strawn Strawn	11-17-63 1-10-82	Original Comp. OWWO. Plugged
Pan American Petroleum Corp. Plains Unit Federal # 10	Oil	11-21-69	Sec. 28, T19S, R32E 660' FSL & 1980' FWL	4,895'	4719-4729	Delaware	1-2-70	Plugged
	J&A	2-25-71	Sec. 32, T19S, R32E 330' FNL & 330' FEL	3,508'				DP stuck@3508' J&A
Texaco Inc. State "DH" #1-Y	Oil	3-17-71	Sec. 32, T19S, R32E 380' FNL & 330' FEL	5,050'	4760-4816	Delaware	5-20-71	Plugged
	Oil	11-28-81	Sec. 33, T19S, R32E 1680' FNL & 1980' FEL	12,850'	12545-12552 12462-12552 12040-12049	Morrow Morrow Atoka	4-16-82 9-10-83 8-8-94	Original Comp. Plugged off OWWO. Plugged off WSD New Discovery. Active
Pan American Petroleum Corp. Plains Unit Federal #9	Oil	4-28-69	Sec. 33, T19S, R32E 1980' FNL & 1980' FWL	5,150	4828-4836	Delaware	5-28-69	Plugged
	P&A	1-25-62	Sec. 33, T19S, R32E 660' FNL & 660' FWL	2860'	-----	-----	2-23-62	P&A

SURFACE PLUG  
10 SK CEMENT

PLAINS UNIT FEDERAL # 3-1  
LUSK STRAWN  
LEA CO., NEW MEXICO  
SEC. 28, T19S, R32E

13 3/8" SET @ 940'  
CUT + PULLED 2 7/8"  
CSG @ 906'

6 SK CEMENT  
ON CIBP

8 7/8" CIBP SET  
@ 232'

CUT + PULL 2" CSG  
@ 224'

6 SK CEMENT ON  
RETAINER  
SET 7" RETAINER @  
3640. PMPD 75 SK CEMENT  
ON BACKSTOP OF 7" CSG  
8 5/8" SET @ 3641'

PUMPED 30 SK  
CEMENT PLUG  
TOP OF PLUG 4425'

PUMPED 30 SK  
CEMENT PLUG  
TOP OF PLUG 5733'

CUT + PULLED 7" CSG  
@ 5949' - 3729'

CUT + PULLED 4 1/2 CSG.  
@ 5951'

40 SK CEMENT  
ON CIBP

CIBP SET  
@ 8949'

7" SET @ 9871'

10 SK CEMENT  
ON CIBP

CIBP @ 11350'  
10/20/89

PERF'S @ 11395' - 11401'  
PERF'S @ 11420' - 11457'  
PERF'S @ 11458' - 11480'  
TD 11485'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instructions  
reverse side)

Budget Form No. 1004-0, 1004-1  
Expires August 31, 1985  
6. LEASE DESIGNATION AND SERIAL NO.  
NMLC-065710 (NM-0175774)  
7. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	May 18 11 05 AM '90	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Damson Oil Corporation	CARLE AREA	8. FARM OR LEASE NAME Plains Unit Federal
3. ADDRESS OF OPERATOR 3300 N. "A", Building 8, Suite 100, Midland, Texas 79705	9. WELL NO. 3-Y	10. FIELD AND POOL, OR WILDCAT Lusk Strawn
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL and 760' FWL of Section 28 Unit 2	11. SEC., T., R., M., OR BLK. AND SURVEY OR ABMA Section 28-T-19S-R-32E	12. COUNTY OR PARISH Lea
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, CR, etc.) 3558' Gr	13. STATE NM

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  
FRACTURE TREAT  
SHOOT OR ACIDIZE  
REPAIR WELL  
(Other)

PULL OR ALTER CASING  
MULTIPLE COMPLETE  
ABANDON\*  
CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  
FRACTURE TREATMENT  
SHOOTING OR ACIDIZING  
(Other)

REPAIRING WELL  
ALTERING CASING  
ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Pulled 1" coiled tubing out of hole.
2. POH with 2 3/8" tubing.
3. RIH with 4 1/2" CIBP on 2 3/8" tubing to 11,350'.
4. Load hole with brine water and gel and pump 10 sacks cement on CIBP.
5. RIH to 8990' with tubing, spotted 50 sack plug, WOC, plug not there.
6. POH with 2 3/8" tubing, RIH with 4 1/2" CIBP on tubing to 8949'.
7. Pump 40 sacks cement on top of CIBP, WOC.
8. Cut and pull 5951' of 4 1/2" casing.
9. Cut and pull 53 jts. 2120' 7" casing, from 5949' to 3829'.
10. Pump 30 sacks cement at 5999' WOC, tagged at 5783'.
11. Load hole, pumped 30 sack plug at 4535' WOC, tagged at 4425'.
12. Set 7" retainer on tubing at 3640', pumped 75 sks. on backside of 7" casing.
13. Pumped 6 sacks on top of retainer, WOC.
14. Cut and pull 2264' of 7" casing from 2264'.
15. RIH with 3 5/8" CIBP on 2 3/8" tubing to 2232', load hole, pumped 6 sks. cement on CIBP.
16. Cut and pull 906' 8 5/8" casing.
17. RIH with tubing to 925', load hole, pumped 50 sacks. WOC tagged at 825'.
18. Pump 10 sack surface plug.
19. Install dry hole marker.

WITNESSED BY BILL MCMANUS OF B.L.M.  
P & A Complete 3/14/90.

18. I hereby certify that the foregoing is true and correct

SIGNED Donald R. Cray

TITLE District Engineer

DATE May 14, 1990

(This space for Federal or State office use)

Off. Signed by Adam Salim

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE PETROLEUM ENGINEER

DATE 6-18-90

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

\*See Instructions on Reverse Side

PLAINS UNIT FEDERAL # 10  
LUSK-DELAWARE  
LEA Co., NEW MEXICO  
SEC. 28, T19S, R32E

CMT PLUG  
@ SURFACE  
w/10 SX CMT  
1/30/71

10 3/4" set @ 501'

CMT PLUG  
850'-970'  
w/25 SX CMT  
1/30/71

CMT PLUG  
2250'-2500'  
w/50 SX CMT  
1/30/71

7 5/8" @ 2550'

CMT PLUG  
FLOATED IN  
BELOW 2500'  
w/100 SX CMT  
1/30/71

PULLED 4 1/2" CSG  
FROM 3097'

CMT PLUG  
4500'-4830'  
w/75 SX CMT

Perfs 4719'-4729'

Perfs 4814'-4830'

4 1/2" @ 4895'

TD 4895'

PBTD 4893'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

Form approved  
Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME <b>PLAINS UNIT Federal</b>	
2. NAME OF OPERATOR <b>AMOCO PRODUCTION COMPANY.</b>		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR <b>BOX 53, HOJBS, N. M. 88240</b>		9. WELL NO. <b>10</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>660 FSLX 1980 FWL Sec. 28 (Unit N SE 1/4 SW 1/4)</b>		10. FIELD AND POOL, OR WILDCAT <b>LUSK Delaware</b>	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>28-19-32 NMPM</b>	
15. ELEVATIONS (Show whether DF, RT, CR, etc.) <b>3754 R. D. B.</b>		12. COUNTY OR PARISH <b>LEA</b>	
		13. STATE <b>N.M.</b>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On 1-30-71, physical abandonment of well concluded: P & A as follows:  
Spotted cement plugs at:  
1 - 40 04 floated in below 2600  
2 - 25 04 " " "  
3 - 35 04 " " "  
Found top @ 2500'  
4 - 50 04 @ 2500 - 2250'  
5 - 25 04 @ 970' - 850' (1) 75' 100' 48' 30"  
6 - 10 04 @ surface & erect P & A marker  
(4 1/2" casing pulled from 3097')  
(Intervals filled w/ mud laden fluid)  
Final cleanup shall be made and ground restored to contour.

18. I hereby certify that the foregoing is true and correct

SIGNED _____	TITLE <b>AREA SUPERINTENDENT</b>	DATE <b>FEB 9 1971</b>
--------------	----------------------------------	------------------------

(This space for Federal or State office use)

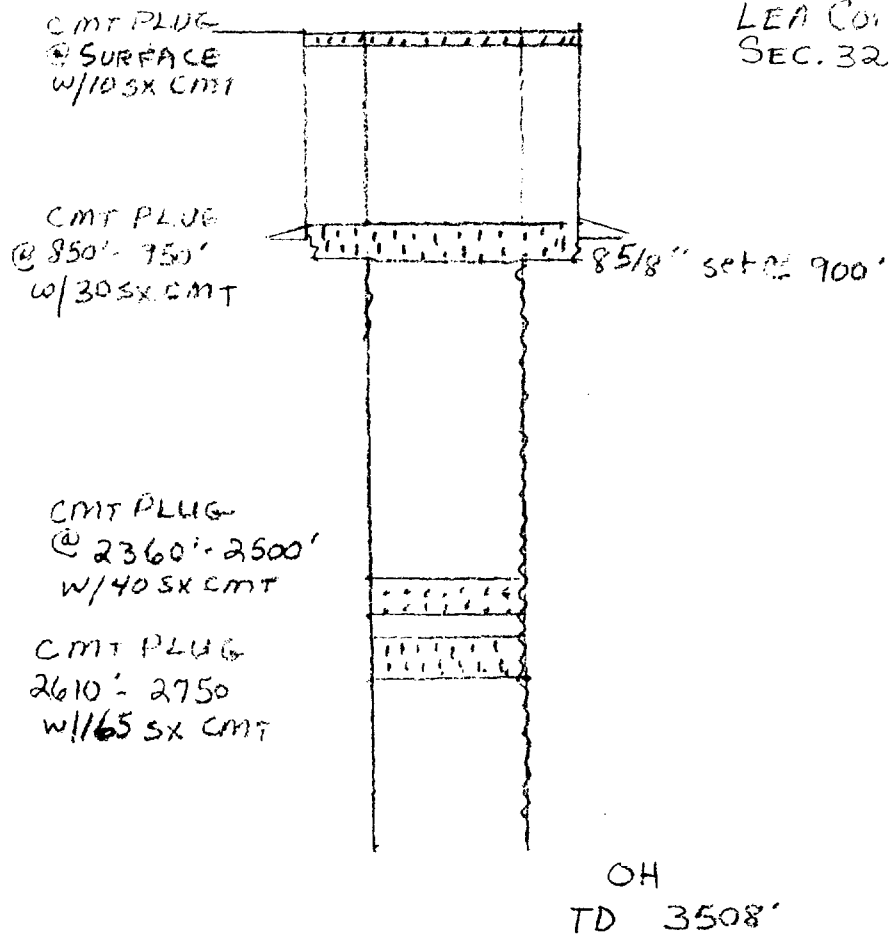
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
4-1- USGS-4  
1- AKJ  
2- W. Spencer (2)  
1- GUG  
1- R. R.  
1- Mob. 1

**APPROVED**  
JUN 25 1971  
ARTHUR R. BROWN  
DISTRICT ENGINEER

\*See Instructions on Reverse Side

NEW MEXICO "DH" STATE #1  
LEA COI, NEW MEXICO  
SEC. 32, T19S, R32E



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LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>	5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
2. Name of Operator <b>TEXACO Inc.</b>	5. State Oil & Gas Lease No. -
3. Address of Operator <b>P.O. Box 728, Hobbs, New Mexico 88240</b>	7. Unit Agreement Name -
4. Location of Well UNIT LETTER <b>A</b> <b>330</b> FEET FROM THE <b>North</b> LINE AND <b>330</b> FEET FROM THE <b>East</b> LINE, SECTION <b>32</b> TOWNSHIP <b>19-S</b> RANGE <b>32-E</b> NMPM.	8. Farm or Lease Name <b>New Mexico 'DH' State</b>
	9. Well No. <b>1</b>
	10. Field and Pool, or Wildcat <b>Undesignated</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>3551' GR</b>	12. County <b>Lea</b>

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The following work on subject well has been completed:

TOTAL DEPTH 3508'

Due to pipe condition, unable to drill below 3508'. Subject well was plugged and abandoned as follows:

1. Spotted 125 sx Class 'C' cement w/12.5# gilsonite per sk, plus 2% CaCl. at 2750'. Job complete 6:30 PM, March 11, 1971. Wait on cement 6 hrs.
2. Loaded hole with 40 bbls water.
3. Spotted 40 sx Class 'C' cement from 2750' to 2610' and 40 sx Class 'C' cement from 2500' to 2360'.
4. Spotted 30 sx cement plug from 950' to 850' and 10 sx cement plug at surface.
5. Set 4" dry hole marker extending 4' above ground level.
6. Clean location.

Please Note: Verbal approval from New Mexico Oil Commission received March 11, 1971 from Mr. Joe Ramey.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *John W. Runyan* TITLE Assistant District Superintendent DATE March 15, 1971

APPROVED BY *John W. Runyan* TITLE Logist DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

CMT PLUG  
@ SURFACE  
w/ 10 SX CMT

NEW MEXICO DH STATE # 1Y  
LUSK-DELAWARE FIELD  
LEA CO., NEW MEXICO  
SEC. 32, T19S, R32E

10 3/4" SET @ 900'

SET CIBP  
@ 2700'  
w/ 10 SX CMT  
FROM 2700' - 2665'

CUT + PULLED 5 1/2" @ 2700'

7 5/8" SET @ 2800'

5 1/2" SET @ 3539'

SET CIBP  
@ 4750' WITH  
3 SX CMT ON  
PLUG

POLY 4760' - 4816'

TD 5050'

PBTD 5015'



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LAND OFFICE		
OPERATOR		

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. <b>E-1482</b>	
7. Unit Agreement Name	
8. Farm or Lease Name <b>New Mexico 'DH' St.</b>	
9. Well No. <b>1-Y</b>	
10. Field and Pool, or Wildcat <b>Lusk Delaware</b>	
12. County <b>Lea</b>	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER- ☐

1. Name of Operator  
**TEXACO Inc.**

1. Address of Operator  
**P. O. Box 728, Hobbs, New Mexico 88240**

1. Location of Well  
UNIT LETTER **A** **380** FEET FROM THE **North** LINE AND **330** FEET FROM  
THE **East** LINE, SECTION **32** TOWNSHIP **19-S** RANGE **32-E** NMPM.  
15. Elevation (Show whether DF, RT, GR, etc.)  
**3551 GR**

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

1. Ran CIBP and set @ 4742, dumped 3 sacks cement 4742-4707. Displaced hole w/ 9.5# mud.
2. Shot and pulled 5 1/2" casing.
3. Ran CIBP and set in 7 5/8" casing @ 2700, dumped 10 sacks cement from 2700-2665.
4. Spotted 10 sacks cement @ surface.
5. Installed dry hole maker and cleaned location.

Subject well plugged and abandoned 8724-73.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *John W. Remy* TITLE Asst. Dist. Supt. DATE 8-27-73

APPROVED BY *John W. Remy* TITLE Geologist DATE 8-27-73

CONDITION OF APPROVAL, IF ANY:

FEDERAL HH 33 #1  
ATOKA FIELD  
LEA CO., NEW MEXICO  
SEC. 33, T19S, R2E

13 7/8" SET @ 644'

8 5/8" SET @ 4430'

SET TIBF  
@ 12,400'  
7/29/94  
SET CIBF  
@ 12,520'  
CAP W/ 20' CMT  
11/31/91

PERFS @ 12,040' - 12,049'

PERFS @ 12,402' - 12,478'  
PERFS @ 12,515' - 12,552'

TD 12850' 5'2" SET @ 12820'  
PRID 12712

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals)

**SUBMIT IN TRIPLICATE**

1. Type of well <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. Lease Designation and Serial No. NM-01135
2. Name of Operator FINA OIL & CHEMICAL COMPANY		6. If Indian, Alottee or Tribe Name
3. Address and Telephone No. P. O. BOX 10887, MIDLAND, TX 79702-0887 (915) 688-0649		7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1680' FNL & 1980' FEL; UNIT G, SEC. 33-19S-32E		8. Well Name and No. FEDERAL HH 33-1
12.		9. API Well No. 30-025-24612
		10. Field and Pool, or Exploratory Area WILDCAT ATOKA
		11. County or Parish, State LEA, NM

**CHECK APPROPRIATE BOX(s) TO INDICATE NATURE**

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other <u>DH Commingling</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report & Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Job intent: Temporarily plug back from Morrow; Recomplete to Atoka.

- 1) RU Schlumberger Well Service. RIH w/120 hr BHP bombs. SI well for BHPBU test on Morrow perms on 7/20/94.
- 2) RU 5000# pressure equipment w/grease injection; RIH w/ 1-11/16" thru-tubing bridge plug.
- 3) Set TTBP @ 12,400'; Pump 13 bbls 9 ppg brine wtr down tubing; dump bail 13' cmt on top of TTBP on 7/29/94.
- 4) ND 5000# tree and NU 10,000# tree.
- 5) Pump 42 bbls 3% KCL wtr and clay stabilizers down tubing on 8/2/94.
- 6) RU WL BOP and Type "B" (10,000#) pressure equipment
- 7) RIH w/ 1-11/16" Schlumberger Pivot gun and perf Atoka @ 12,040-12,049' w/ 4 SPF on 8/2/94.
- 8) Flow tested well from 8/2/94 to 8/8/94.
- 9) Shut well in for BHPBU on 8/8/94 at 1:30 PM. Left well shut in for 184 hours.
- 10) Evaluate BHPBU data for acid stimulation potential.
- 11) Turn gas down sales line on 8/19/94.

Long term intent: When Atoka pressures decline to suitable range, will file subsequent Sundry to knock out TTBP and commingle Morrow with Atoka production.

14. I hereby certify that the foregoing is true and correct

Signed

*Mary Ann Marking*

Title Production Analyst

Date 11-2-94

(This space for Federal or State office use only)

Approved by

Title

Date

Conditions of approval, if any:

CMT PLUG  
@ SURFACE  
w/105X CMT

PLAINS UNIT FEDERAL # 9  
LUSK - DELAWARE  
LEA CO., NEW MEXICO  
SEC. 33, T19S, R32E

CMT PLUG,  
750' - 2600'  
w/270' SX CMT  
2/26/73

10 3/4" set @ 823'

CMT PLUG  
@ 2861' - 3080'  
w/75 SX CMT  
2/26/73

7 5/8" set @ 2603'

CMT PLUG  
@ 3553'  
w/305X CMT  
2/26/73

PULLED 4 1/2" CSG  
FROM 3553'

CMT PLUG  
4515' - 4809'  
w/25 SX CMT  
2/26/73

PERFS 4790' - 4800'

PERFS 4828' - 4836' SQUEEZED

4 1/2" set @ 5150'

TD 5150'  
PBTD 5010'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE  
(Other Instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.NM-01135  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME PLAINS UNIT FED
2. NAME OF OPERATOR Amoco Production Company	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR BOX 68, HO3BS, N. M. 88240	9. WELL NO. 9
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980 FNL x 1980 FWL Sec. 33 (UNIT F, SE 1/4 NW 1/4)	10. FIELD AND POOL, OR WILDCAT LUSK-DELAWARE
14. PERMIT NO.	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 33-19-32 N12PM
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3553' R.D. B.	12. COUNTY OR PARISH 13. STATE LEA N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☒(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well was physically abandoned 2-26-73.

Plugged as follows:

Spotted 255x Cement plug 4809-4515.  
Shot & pulled 4 1/2" casing from 3553.  
Spotted 305x cement plug in & out of 4 1/2" stub @ 3553.  
" 755x " " 3080-2861.  
" 2705x " " 2600-150.  
" 105x @ Surface & erect P & A marker.

Final cleanup shall be made and ground restored to contour.

all intervals filled w/ mud column fluid.

10 3/4" CSA 323 Crc.  
7 7/8" CSA 2603 Crc.  
4 1/2" CSA 5150'

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

AREA SUPERINTENDENT

DATE

MAR 1 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

04- USGS-11  
1- DIV  
1- SPSO  
1- R24  
1- MOBIL-MIDLAND

\*See Instructions on Reverse Side

CMT PLUG  
SURFACE-200'  
2-23-62

FEDERAL BOELLNER #2  
LEA Co., NEW MEXICO  
SEC. 33, T19S, R32E

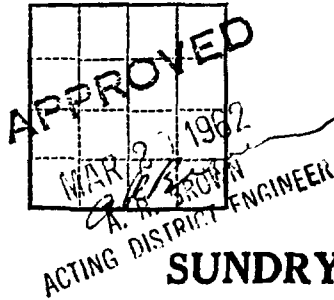
3 5/8" @ 850'

CMT PLUG  
2400'-2750'  
w/420 SX CMT

PULLED 7" LSG @ 2520'

TD 2860'

7" SET @ 2710'



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office New MexicoLease No. 01135Unit B

RECEIVED

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Demwell, New Mexico March 13, 1962

## WELL DATA

Well No. 2 is located 500 ft. from N line and 640 ft. from E line of sec. 11

<u>14N4E</u>	<u>Sec. 33</u>	<u>15E</u>	<u>32E</u>	<u>103W</u>
(1/4 Sec. and Sec. No.)		(Twp.)	(Range)	(Meridian)
<u>Silvest</u>		<u>Lea</u>		<u>New Mexico</u>
(Field)		(County or Subdivision)		(State or Territory)

The elevation of the derrick floor above sea level is 3553 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1-22-62 TD 2350. Pulled 7" casing. Rec. 2320' of 7" casing.  
Left 190' of 7" casing in hole.

MAR 14 1962

2-23-62 Ran tubing to total depth and plugged as follows: U. S. GEOLOGICAL SURVEY  
70 lb liner cement 2% calcium chloride - TD-2400'. ARTESIA, NEW MEXICO  
100 lb liner cement 4% gel & 2% calcium chloride - 2400-750',  
and from surface to 200'.  
Mr. Brown with USGS and Mr. Billman with National Potash Co.  
observed the plugging.

NOTE: HARRIER HAS BEEN DET AND LOCATION HAS BEEN REVELED AND IS READY FOR INSPECTION.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company LEONARD OIL COMPANYAddress P.O. BOX 400DEMWELL, NEW MEXICOORIGINAL SIGNED BY  
FOWLER HIX  
By GENERAL MANAGERTitle General Manager

SWD 662

# CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: SUNBELT OIL COMPANY Well: PLAINS UNIT REC No. 1  
Contact: DOUG SANKELAND Title: PRESIDENT Phone: 915-687-9789  
DATE IN 9-15-97 RELEASE DATE 9-30-97 DATE OUT 11-15-97

Proposed Injection Application is for: WATERFLOOD Expansion Initial  
Original Order: R- Secondary Recovery Pressure Maintenance  
**SENSITIVE AREAS** X SALT WATER DISPOSAL Commercial Well

WIPP Capitan Reef

Data is complete for proposed well(s)? X Additional Data Req'd \_\_\_\_\_

## AREA of REVIEW WELLS

8 Total # of AOR 8 # of Plugged Wells  
100 Tabulation Complete 4/15 Schematics of P & A's  
100 Cement Tops Adequate 100 AOR Repair Required

## INJECTION FORMATION

Injection Formation(s) BRUSHY - CREEPY (AQUICLUD) DECAHLIN Compatible Analysis 4/15  
Source of Water or Injectate AREA PRODUCTION

## PROOF of NOTICE

✓ Copy of Legal Notice ✓ Information Printed Correctly  
✓ Correct Operators ✓ Copies of Certified Mail Receipts  
100 Objection Received Set to Hearing \_\_\_\_\_ Date

NOTES: A WITHIN SURFACE BOUNDARIES OF REC BUT INTERFERING  
PROD AQUIFER - WILL DENY /ATES/ SEVERE FLOOD INJECTION

## APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? 4/15

### COMMUNICATION WITH CONTACT PERSON:

1st Contact:	<u>Telephoned</u>	<u>Letter</u>	<u>_____</u> Date	Nature of Discussion <u>_____</u>
2nd Contact:	<u>Telephoned</u>	<u>Letter</u>	<u>_____</u> Date	Nature of Discussion <u>_____</u>
3rd Contact:	<u>Telephoned</u>	<u>Letter</u>	<u>_____</u> Date	Nature of Discussion <u>_____</u>



# SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone(915) 682-9784

Fax (915) 684-5026

September 10, 1997

Certified Mail P 245 748 459

Fina Oil & Gas Company  
P.O. Box 2990  
Midland, Texas 79702

Dear Sirs:

This letter shall constitute official notice that Shackelford Oil Company proposes to convert the Plains Unit Federal Well No. 7, located at 660' from the North line and 760' from the West line, Section 33, Township 19S, Range 32E, Lea County, New Mexico, into a salt water disposal well with water to be disposed into the Delaware Mountain Group (Cherry Canyon Formation) from 4,712' to 4,732' and Seven Rivers formation from 2,870' to 2,960'.

Should you have any questions related to this application, please contact the New Mexico Oil Conservation Division within fifteen days of the date of this letter.

Sincerely ,

Don G. Shackelford  
President

DGS/ns

PS Form 3800, April 1995

US Postal Service	
<b>Receipt for Certified Mail</b>	
No Insurance Coverage Provided.	
Do not use for International Mail (See reverse)	
Sent to	<i>Fina Oil &amp; Gas Co.</i>
Street & Number	<i>P.O. Box 2990</i>
Post Office, State, & ZIP Code	<i>Midland, Tx 79702</i>
Postage	\$ <i>.32</i>
Certified Fee	<i>1.35</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	<i>2.45</i>
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ <i>4.12</i>
Postmark or Date	

Fold at line over top of envelope to the right of the return address

**CERTIFIED**

P 245 748 459

**MAIL**

P 245 748 459

# SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone (915) 682-9784

Fax (915) 684-5026

September 10, 1997

Certified Mail P 245 748 452

Parker & Parsley  
P.O. Box 3178  
Midland, Texas 79707-3178

Dear Sirs:

This letter shall constitute official notice that Shackelford Oil Company proposes to convert the Plains Unit Federal Well No. 7, located at 660' from the North line and 760' from the West line, Section 33, Township 19S, Range 32E, Lea County, New Mexico, into a salt water disposal well with water to be disposed into the Delaware Mountain Group (Cherry Canyon Formation) from 4,712' to 4,732' and Seven Rivers formation from 2,870' to 2,960'.

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Sincerely ,

Don G. Shackelford  
President

DGS/ns

MAIL

P 245 748 452

CERTIFIED

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the right of the return address

PS Form 3800, April 1995

Sent to	
Parker & Parsley	
Street & Number	
P.O. Box 3178	
Post Office, State, & ZIP Code	
Midland, TX 79707-3178	
Postage	\$ 1.32
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	2.45
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 4.12
Postmark or Date	

US Postal Service  
**Receipt for Certified Mail**  
No Insurance Coverage Provided.  
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P 245 748 452

# SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone (915) 682-9784

Fax (915) 684-5026

September 10, 1997

Certified Mail P 245 748 457

Bureau of Land Management  
P.O. Box 1778  
Carlsbad, NM 88221-1778

Dear Sirs:

This letter shall constitute official notice that Shackelford Oil Company proposes to convert the Plains Unit Federal Well No. 7, located at 660' from the North line and 760' from the West line, Section 33, Township 19S, Range 32E, Lea County, New Mexico, into a salt water disposal well with water to be disposed into the Delaware Mountain Group (Cherry Canyon Formation) from 4,712' to 4,732' and Seven Rivers formation from 2,870' to 2,960'.

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Sincerely ,

Don G. Shackelford  
President

DGS/ns

P 245 748 457

## US Postal Service Receipt for Certified Mail

No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Sent to	BLM
Street & Number	P.O. Box 1778
Post Office, State, & ZIP Code	Carlsbad, NM 88221-1778
Postage	\$ .32
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	2.45
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PS Form 3800, April 1995

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**CERTIFIED**

P 245 748 457

**MAIL**

# SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone (915) 682-9784

Fax (915) 684-5026

September 10, 1997

Certified Mail P 245 748 460

Amoco  
P.O. Box 1725  
Midland, Texas 79702

Dear Sirs:

This letter shall constitute official notice that Shackelford Oil Company proposes to convert the Plains Unit Federal Well No. 7, located at 660' from the North line and 760' from the West line, Section 33, Township 19S, Range 32E, Lea County, New Mexico, into a salt water disposal well with water to be disposed into the Delaware Mountain Group (Cherry Canyon Formation) from 4,712' to 4,732' and Seven Rivers formation from 2,870' to 2,960'.

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Sincerely ,

Don G. Shackelford  
President

DGS/ns

MAIL

P 245 748 460

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PS Form 3800, April 1995

Postmark or Date	
TOTAL Postage & Fees \$ 4.12	
Return Receipt Showing to Whom & Date Delivered	2.45
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Restricted Delivery Fee	
Special Delivery Fee	
Certified Fee	1.35
Postage	\$ .32
Post Office, State, & ZIP Code	Midland, TX 79702
Street & Number	Box 1725
Sent to	Amoco

US Postal Service  
**Receipt for Certified Mail**  
No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

P 245 748 460

# SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone (915) 682-9784

Fax (915) 684-5026

September 10, 1997

Certified Mail P 245 748 470

Chevron  
P.O. Box 1150  
Midland, Texas 79702

Dear Sirs:

This letter shall constitute official notice that Shackelford Oil Company proposes to convert the Plains Unit Federal Well No. 7, located at 660' from the North line and 760' from the West line, Section 33, Township 19S, Range 32E, Lea County, New Mexico, into a salt water disposal well with water to be disposed into the Delaware Mountain Group (Cherry Canyon Formation) from 4,712' to 4,732' and Seven Rivers formation from 2,870' to 2,960'.

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Sincerely ,

Don G. Shackelford  
President

DGS/ns

MAIL

P 245 748 470

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PS Form 3800, April 1995

US Postal Service <b>Receipt for Certified Mail</b> No Insurance Coverage Provided. Do not use for International Mail (See reverse)	
Sent to <i>Chevron</i>	
Street & Number <i>P.O. Box 1150</i>	
Post Office, State, & ZIP Code <i>Midland, TX 79702</i>	
Postage	\$ <i>.32</i>
Certified Fee	<i>1.35</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	<i>2.45</i>
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ <i>4.12</i>
Postmark or Date	

P 245 748 470

# SHACKELFORD OIL COMPANY

---

P.O. Box 10665 Midland Texas 79702

Phone(915) 682-9784

Fax (915) 684-5026

September 10, 1997

Purpose: Salt Water Disposal  
Well: Plains Unit Federal Well No. 7  
Location: Sec. 33, T-19-S, R-32-E  
660' FNL & 760 FWL

Formation Name: Delaware Mountain Group, Seven Rivers  
Depth: 4,712' to 4,732' and 2,870' to 2,960'

Maximum Injection Rate: 2000 BWPD  
Maximum Pressure: 1500 PSI

Interested Parties must file objections or request for hearing within 15 days to the following address:

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

# SHACKELFORD OIL COMPANY

P.O. Box 10665 Midland Texas 79702

Phone (915) 682-9784

Fax (915) 684-5026

September 10, 1997

Certified Mail P 245 748 457

Bureau of Land Management  
P.O. Box 1778  
Carlsbad, NM 88221-1778

Dear Sirs:

This letter shall constitute official notice that Shackelford Oil Company proposes to convert the Plains Unit Federal Well No. 7, located at 660' from the North line and 760' from the West line, Section 33, Township 19S, Range 32E, Lea County, New Mexico, into a salt water disposal well with water to be disposed into the Delaware Mountain Group (Cherry Canyon Formation) from 4,712' to 4,732' and Seven Rivers formation from 2,870' to 2,960'.

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Fax (915) 684-5026

September 10, 1997

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P.O. Box 1778  
Carlsbad, NM 88221-1778

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