Form 3160-3
(July 1992)

SUBMIT IN TR. ATE* (Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: LC-063586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

1a. TYPE OF WORK
DRILL [X] Re-entry DEEPEN [ ]

7. UNIT AGREEMENT NAME: Southern California Federal

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME, WELL NO.: #2

2. NAME OF OPERATOR
Pioneer Natural Resources USA, Inc.

9. API WELL NO.:

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3178 Midland, TX 79702 915/571-3976

10. FIELD AND POOL, OR WILDCAT: Lusk Delaware, West

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
Unit D, 990' FNL & 990' FWL, Sec. 29, T19S, R32E
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 29, T19S, R32E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
40 miles West/Southwest from Hobbs, NM

12. COUNTY OR PARISH: Lea

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 990

16. NO. OF ACRES IN LEASE: 560

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 890' W of LWDU #903

19. PROPOSED DEPTH: +- 5100'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF,RT, GR, etc.): 3546' KB

22. APPROX. DATE WORK WILL START*: 1/31/97

23. EXISTING ~~PROPOSED~~ CASING AND CEMENTING

CAPITAN CONTROLLED WATER BASIN

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5# J55	827	900 sx (Circ to surface)
12 1/4"	8 5/8"	32# J55	4497'	4100 sx (Circ to surface)

OPER. OGRID NO. 36324
PROPERTY NO. 16683
POOL CODE 41540
EFF. DATE 2/12/98
API NO. 30-025-20156

PROPOSED

Size Hole	Size of Csg.	Weight	Depth	Cement
7 7/8"	5 1/2"	15.5# J55	5100'	500 sx (Top of Cement 500' above Intermediate Csg Shoe)

SEE ATTACHED RE-ENTRY PROCEDURE FOR SPECIFIC DETAILS, ON THE DELAWARE COMPLETION.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Scott A. Ellis TITLE Operations Engineer DATE 12/15/97

(This space for Federal or State office use)

PERMIT NO. CW APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [illegible] TITLE Acting ADM MINERALS DATE 2-10-98

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ATTACHMENT
Southern California Federal #2

The operator proposes to re-enter to a depth sufficient to test all of the Delaware Sands above 5100' for oil and gas. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with State and Federal regulations. Specific plans, as per On Shore Oil & Gas Order #1 are included in the following attachments.

RE-ENTRY PROGRAM

Exhibit #1 - BOPE Schematic

SURFACE USE AND OPERATING PLAN

Exhibit #2 - Location and Elevation Plat
Exhibit #3 - Lease Road and Topo Plat
Exhibit #4 - Highway Access Plat
Exhibit #5 - Existing Wells in One Mile Radius
Exhibit #6 - Proposed Flowline Plat
Exhibit #7 - Drilling Rig Layout - Schematic
Exhibit #8 - Re-entry Procedure

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

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

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

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

State of New Mexi
Energy, Minerals and Natural Resources Department

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-20156	41540	Lusk Delaware, West

Property Code	Property Name	Well Number
~~022063~~ 16683	Southern California Federal	2

OGRID No.	Operator Name	Elevation
036324	Pioneer Natural Resources USA, Inc.	3546' KB

Surface Location

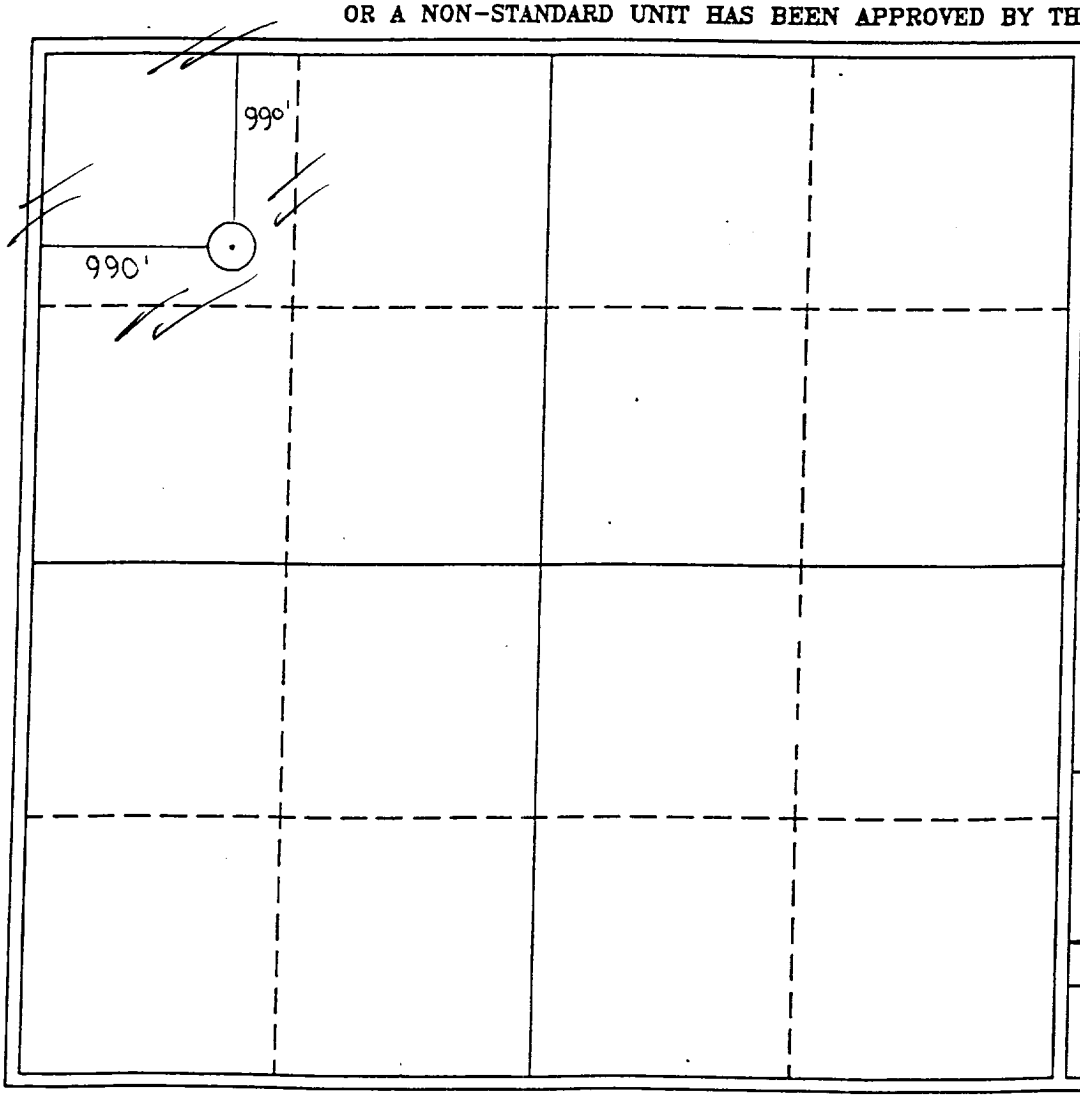
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	19S	32E		990'	North	990	West	Lea

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Scott H. Lackey
Signature

Scott H. Lackey
Printed Name

Operations Engineer
Title

12/15/97
Date

SURVEYOR CERTIFICATION

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

Date Surveyed JLP

Signature & Seal of Professional Surveyor

3

RE-ENTRY PROGRAM

Attached to Form 3160-3
Pioneer Natural Resources USA, Inc.
Southern California Federal #2
990' FNL & 990' FWL
Unit D, Sec. 29, T19S, R32E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

   Quaternary Alluvium & Bolson deposits (dune sand; sandy, silty clay)

2. Estimated Tops of Important Geologic Markers:

Rustler	860'	Base Brushy	7000'
Yates	2560'	Base Sand Springs	7170'
Capitan Reef	2730'		
Base Capitan Reef	4380'		
Top Delaware	4380'		
Manzanita	5500'		

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Surface Water Sands	above 250'	Fresh water
Yates	2560'	Oil
Delaware	4380' to 7170'	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands are protected by 13-3/8" casing set at 827' and cement was circulated to the surface. Potash is protected by 8-5/8" casing set at 4497' and cement was circulated to the surface. 5-1/2" production casing will be set at 5100', and sufficient cement volume will be pumped to attempt to fill the entire annular area from TD to 500' above intermediate casing shoe.

4. Casing Program:

Hole Size	Interval	OD csg	Weight,Grade, Jt.,Cond.Type
17-1/2"	0 - 827'	13-3/8"	54.5#, J-55, ST&C, New (Existing)
12-1/4"	0 - 4497'	8-5/8"	23#, J-55, ST&C, New (Existing)
7-7/8"	0 - 5100'	5-1/2"	15.5#, K-55, LT&C, New

Cementing Program:

5-1/2" Production Casing:	500 sx 50/50 Poz "C", 2% gel., 5% salt, 0.5% FL-25 (Fluid Loss). This is designed to bring cement to 500' above intermediate casing shoe.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 PSI WP) preventer. The ram-type preventer will be manually operated and equipped with blind rams on top and 2-7/8" pipe rams on bottom. The BOP will be installed on the 8-5/8" intermediate casing and used continuously until TD is reached. The BOP and accessory equipment will be tested to (1000 PSI) before drilling out the intermediate casing shoe cement plug.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily time sheets.

6. Types and Characteristics of the Proposed Mud System:

This well will be drilled to TD with a 3% KCL fresh water combination. The applicable depths and properties of systems are planned as follows:

DEPTH	TYPE	WEIGHT (ppg)	VISCOSITY (Sec)	WATER LOSS (cc)
0 - 5100'	Fresh Water-KCL	8.4 - 8.6	30 - 32	25 cc - N/C

Loss of circulation should not occur, since the Capitan Reef at about 2800', is already behind casing. However, should circulation be lost, and can not be corrected reasonably, it may be necessary to dry-drill from the loss depth to 5100'+/- . Sufficient mud mixing materials to maintain the mud properties and to meet reasonable lost circulation and weight increase requirements will be utilized.

7. Auxiliary Well Control and Monitoring Equipment:

A. A fully opened, fully serviceable stabbing valve will be on the rig floor at all times.

B. No H2S gas or abnormal pressures are known to exist, in this heavily developed area, down to the proposed TD.

8. Logging, Testing and Coring Program:

A. No drill stem tests are planned for this well.

B. A Compensated Neutron & GR will be used to log from 5100' to 4497'.

C. No conventional cores are planned

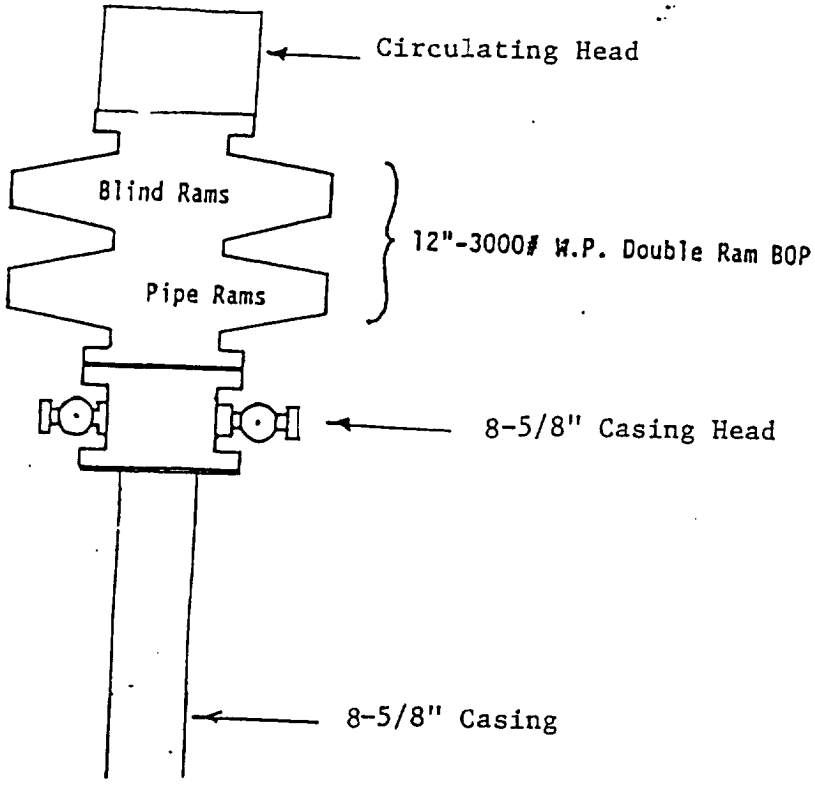
E. Additional evaluation may be required by the company geologist based on drilling shows.

9. Abnormal Conditions, Pressures, Temperatures and Potential Hazards:

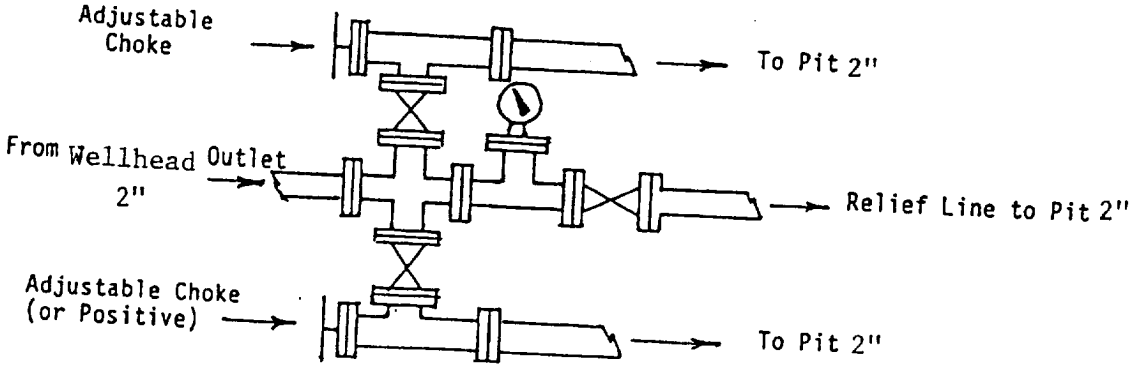
No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is expected to be 108 degrees F and the estimated maximum bottom hole pressure (BHP) is 2600 PSI. No H2S or other hazardous gases or fluid have been encountered, reported or are known to exist to this depth in this area. Some wells in this area have encountered severe to total loss of circulation in the Capitan Reef at about 2800', however the Capitan Reef is already behind casing. If total loss circulation occurs, several attempts will be made to regain circulation, but if it appears necessary, the well will be dry-drilled to the production casing depth of 5100'+/- .

10. Anticipated Starting Date and Duration of Operations:

Location construction work will not begin until approval has been received from the BLM. The anticipated re-entry date will be around February 15, 1998. Once commenced, the drillout operations should be completed in approximately three (3) days. If the well is productive, an additional seventeen (17) days will be required for completion and testing before a decision is made to tie into permanent production facilities.



CHOKE MANIFOLD SCHEMATIC
(3000 PSI W P)



PIONEER NATURAL RESOURCES USA, INC.

BOPE SCHEMATIC (3000 PSI W.P.)
Southern California Federal #2
Lea County, New Mexico
Scale: 1"= 50' Date: April 1997
EXHIBIT #1

ATTACHMENT TO EXHIBIT #1
Notes Regarding the Blowout Preventers
Southern California Federal #2
Lea County, New Mexico

1. Blowout preventer and all related equipment and fittings must be in good working condition and be 3000 PSI W.P. minimum.

3. The blowout preventer control is to be located as close to the driller's position as feasible.

4. The blowout preventer closing equipment will be manual.

5. Hand wheels are to be properly installed and operable.

6. A safety valve, in full open position, must be readily available on the rig floor at all times with the proper pipe threads. This valve is to be full bore and 3000# W.P. minimum.

SURFACE USE AND OPERATING PLAN

Attached to Form 3160-3
Pioneer Natural Resources USA, Inc.
Southern California Federal #2
990' FNL & 990' FWL
Unit D, Sec. 29, T19S, R32E
Lea County, New Mexico

1. Existing Roads:

   A. The wellsite and elevation plat for this proposed well is shown in Exhibit #2.

   B. All roads to the location are shown in Exhibit #3. The existing caliche roads are illustrated in dashed lines. This well location can be accessed from the existing lease road. Up-grading of the existing road prior to drilling will be done where necessary as determined during the on-site inspection. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

   C. Directions to Locations: Go West out of Hobbs, New Mexico, on U. S. Highway 62/180 for 37 miles to N.M. Highway 243. From intersection of Hwy. 176 & Hwy. 62/180, go North on FM 243 4.4 miles. Turn right on Road #126, go 4.7 miles, turn right through cattle guard, go .4 miles turn left to location. Exhibit #4 shows this route to location.

2. Proposed Access Road:

   As shown on Exhibit #3, the existing lease road passes south of the proposed well sight. No new access routes are needed to enter location.

3. Location of Existing Wells:

   Exhibit #5 shows all existing wells within a one-mile radius of this well. Production in this area is found in the Yates, Delaware, Bone Springs, Strawn and Morrow horizons.

4. Location of Existing and/or Proposed Facilities if Well is Productive:

   A. Pioneer Natural Resources USA, Inc. plans to utilize the existing tank located on the S. A. Bowman lease at: Unit Letter "K", Sec. 29.

   B. If this well is productive, it is planned that a steel line, buried to a depth of 30", will be used to deliver all produced fluids to the central battery. It is proposed that this line will be laid along the south side of the existing lease road. The proposed route for this line is shown on Exhibit #6.

5. Location and Type of Water Supply:

This well will be drilled using a combination of fresh water and kcl as indicated in the re-entry program. The water will be obtained from commercial water stations in the area and hauled to the location by transport truck over the existing access roads. No water well will be drilled on this location.

6. Construction Materials:

The location pad will be constructed by using caliche, watered, rolled and packed to 6" thickness. This material (approximately 1000 cubic yards) will be obtained from a BLM approved caliche pit in the vicinity. Any proposed road repairs will also use caliche, watered, rolled and packed for vehicle use.

7. Methods of Handling Waste Disposal:

A. Drill cuttings will be disposed of by putting them in the reserve pit.

B. Excess drilling fluid will be disposed of into the reserve pit. The reserve pit will be approximately 25' x 25' x 6' deep and will be lined with a 6 mil plastic to minimize the loss of fluid to the ground surface. The reserve pit will be fenced on three sides while drilling and the fourth side closed with fence immediately following the rig removal.

C. Water produced from the well during drilling or completion operations maybe disposed of into the reserve pit or into a steel tank for transport to an approved disposal system. Oil produced during the completion and testing operations will be contained in steel tanks and transported by truck to the battery or to sale.

D. A portable chemical toilet will not be provided on location for human waste during the drilling and completion operations.

E. A trash trailer will be utilized to contain all trash and garbage. This trash will be disposed of in an approved garbage disposal site. No hazardous chemicals or toxic waste will be utilized in, or generated by, this operation.

F. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 30 days. No unnecessary materials will be left on the location.

8. Ancillary Facilities:

No campsite, airstrip or other facilities will be built as a result of the operations contemplated on this well.

9. Wellsite Layout:

A. The drilling pad layout is shown in Exhibit #7. Dimensions of the proposed pad and reserve pit are shown. Because the site area is almost level in its natural state, no major cuts or fills will be required. Top soil from the reserve pit construction will be stock piled as per BLM specifications.

B. Exhibit #7 shows the planned orientation of the rig and associated major components. No permanent living quarters are needed.

C. The reserve pit will be lined with a 6 mil plastic liner.

10. Plans for Restoration of the Surface:

A. When the drilling rig is removed, the reserve pit will be completely fenced off to prevent livestock and wild life from getting into it. Any oil on the surface of the fluid will be removed as much as feasible. The fluid in the pit will be allowed to evaporate until the material is reasonably dry. This drying is expected to require about 90 days. The pit will be broken out and allowed to dry a few more days and then leveled. The original top soil will be returned to the pit area and contoured to match the original topography as close as is feasible. All trash and loose pit lining material will be removed and hauled away to an approved disposal site.

B. If this well is completed as a producing well, the pit area will be treated as indicated above. The caliche from any area of the drilling pad not needed for production operations or facilities will be removed and used for road and location construction or repair, or if not needed, returned to the caliche pit from which it was taken.

C. If this well is plugged and abandoned the reserve pit will be treated as indicated in "A" above. The caliche will be removed from the drilling location and returned to the pit from which it was taken. The original top soil will be returned to the entire location which will be leveled and contoured to as nearly the original topography as possible.

D. Any restored area will be revegetated by re-seeding, during the proper planting time, with a seed mixture of grasses as recommended by the BLM.

11. Surface Ownership:

The wellsite and lease is entirely on Federal surface.

12. Other Information:

A. The area around the wellsite is brushy grassland with a very sandy top soil. The vegetation is native grasses with abundant oak brush, sage brush, yucca and prickly pear.

B. There is no permanent water or live streams of water in the immediate area.

C. A Cultural Resources Examination has been completed and the report has been forwarded to the BLM Office.

13. Lessee's or Operator's Representative and Certification:
The Pioneer Natural Resources USA, Inc. representative responsible for assuring compliance with the surface use plan is the following:

Mr. David Shrauner, Lusk Field Superintendent
Drawer E
Kermit, TX 79745

Resident Phone: 915/586-5818
Office Phone: 915/586-6511
Mobile Phone: 915/556-0188

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Pioneer Natural Resources USA, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

DATE: 11/5/97

SIGNED Scott H. Lackey

Scott H. Lackey, Sr. Operations Engineer

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	41540	Lusk Delaware, West

Property Code	Property Name	Well Number
022063	Southern California Federal	2

OGRID No.	Operator Name	Elevation
036324	Pioneer Natural Resources USA, Inc.	3546' KB

Surface Location

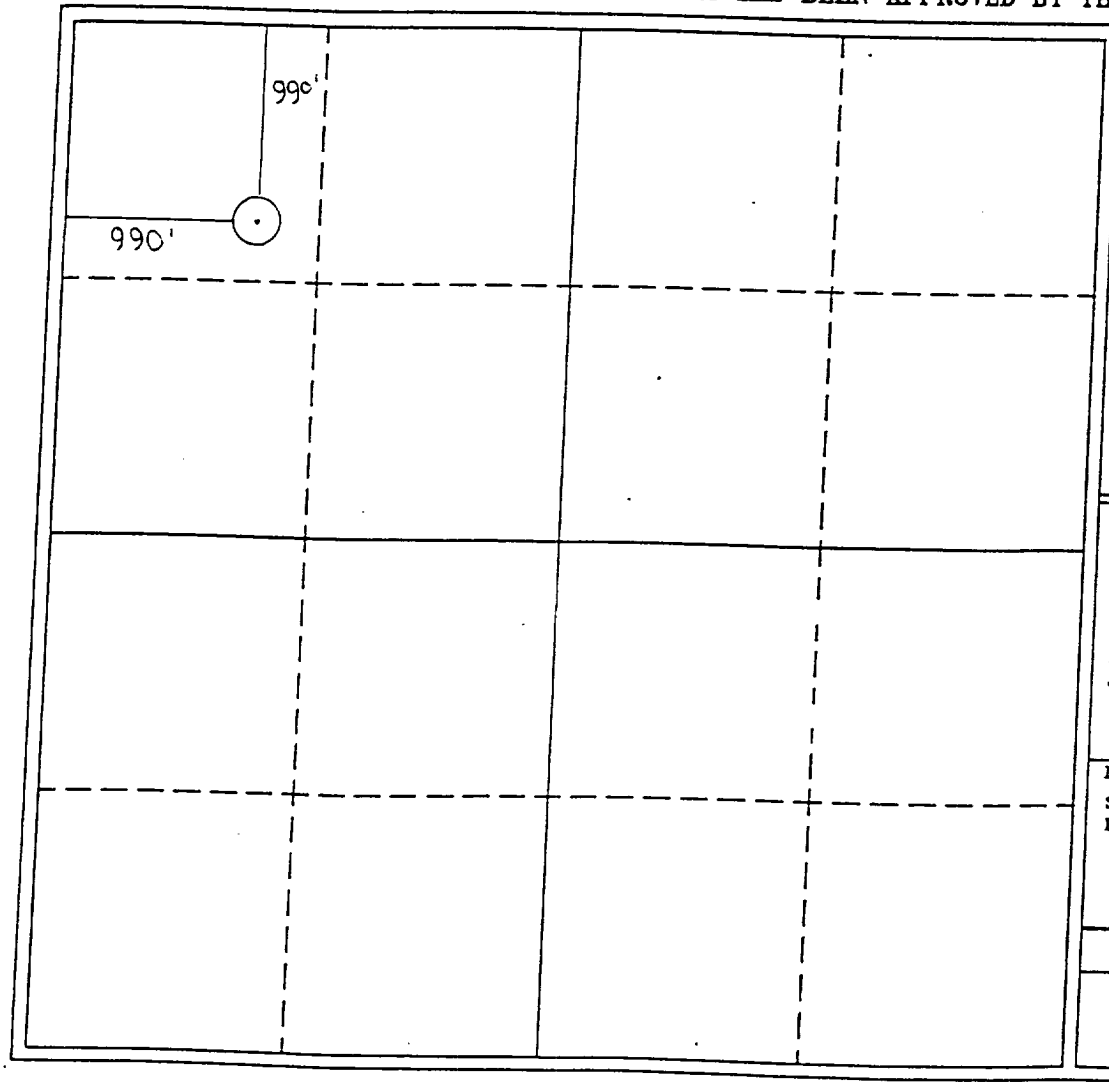
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	19S	32E		990'	North	990	West	Lea

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Signature

Scott H. Lackey
Printed Name

Operations Engineer
Title

12/15/97
Date

SURVEYOR CERTIFICATION

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

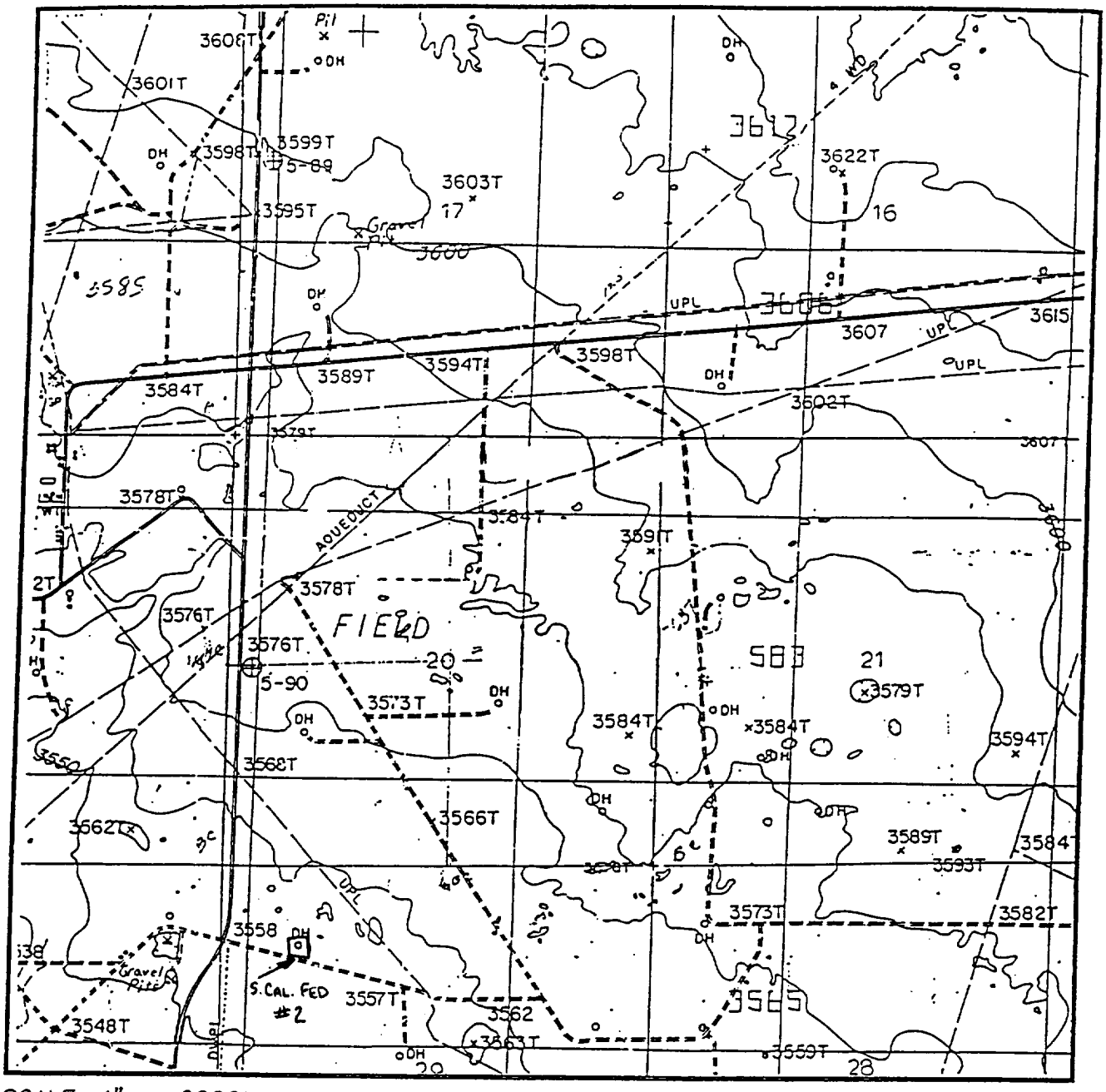
Date Surveyed JLP

Signature & Seal of Professional Surveyor

Exhibit #2

LOCATION VERIFICATION MAP

EXHIBIT #3



SCALE: 1" = 2000'

CONTOUR INTERVAL:
GREENWOOD LAKE – 10'

SEC. 20 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 990' FNL & 990' FWL

ELEVATION 3546' KB

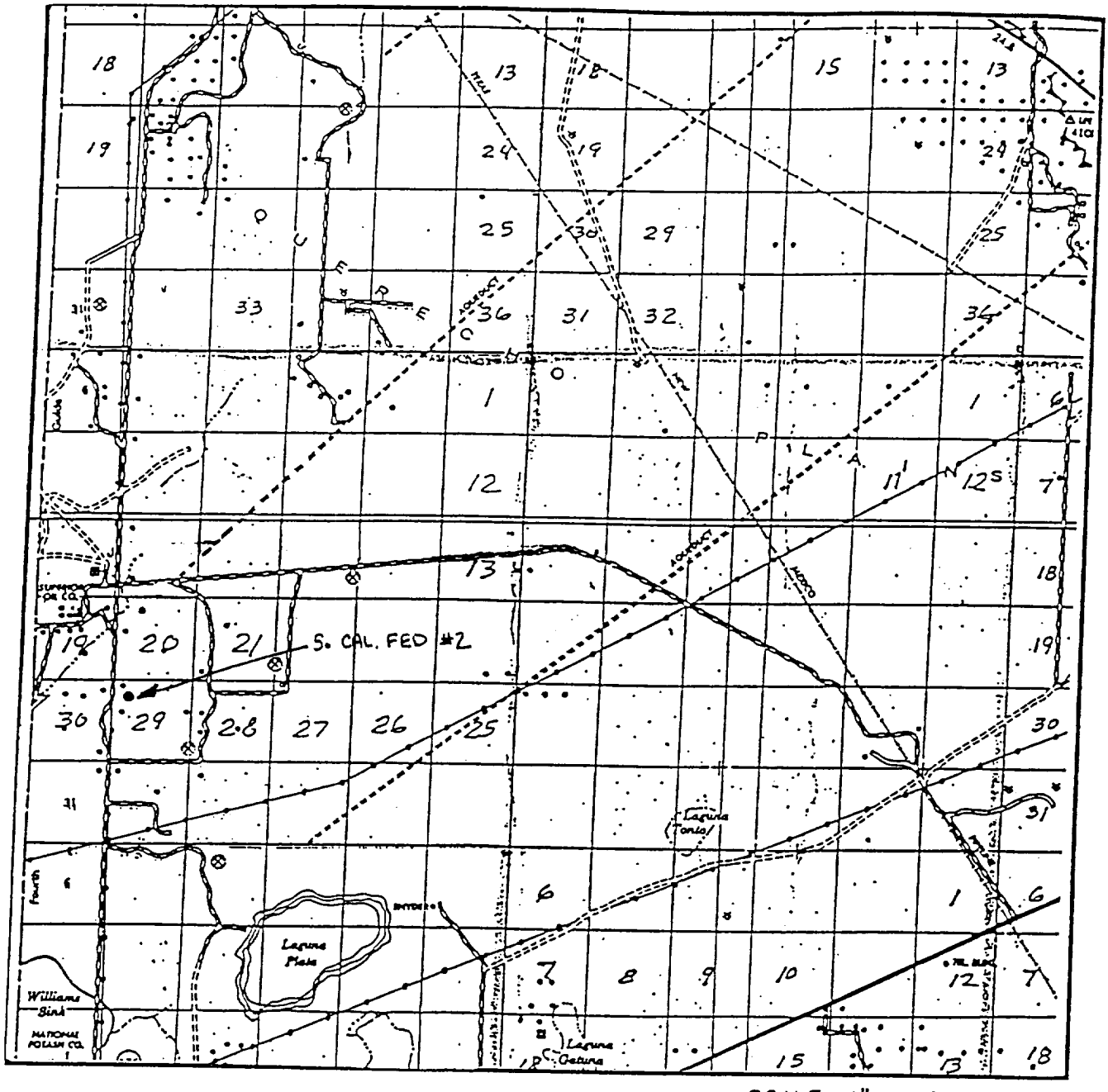
OPERATOR Pioneer Natural Resources USA, Inc.

LEASE Southern California Federal

U.S.G.S. TOPOGRAPHIC MAP
GREENWOOD LAKE, N.M.

VICINITY MAP

EXHIBIT #4



SCALE: 1" = 2 MILES

SEC. 20 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

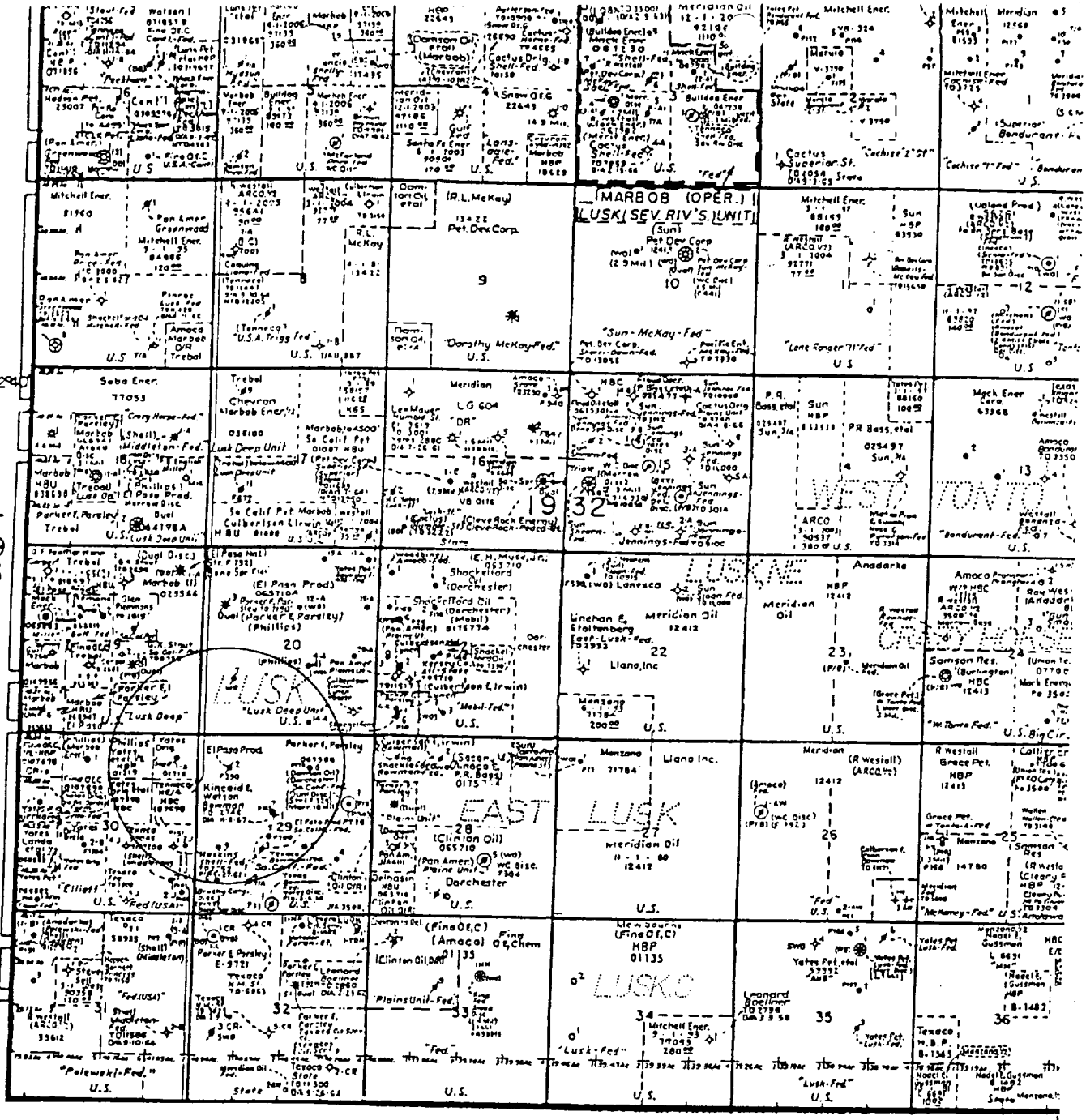
COUNTY LEA

DESCRIPTION 990' FNL & 990' FWL

ELEVATION 3546' KB

OPERATOR Pioneer Natural Resources USA, Inc.

LEASE Southern California Federal



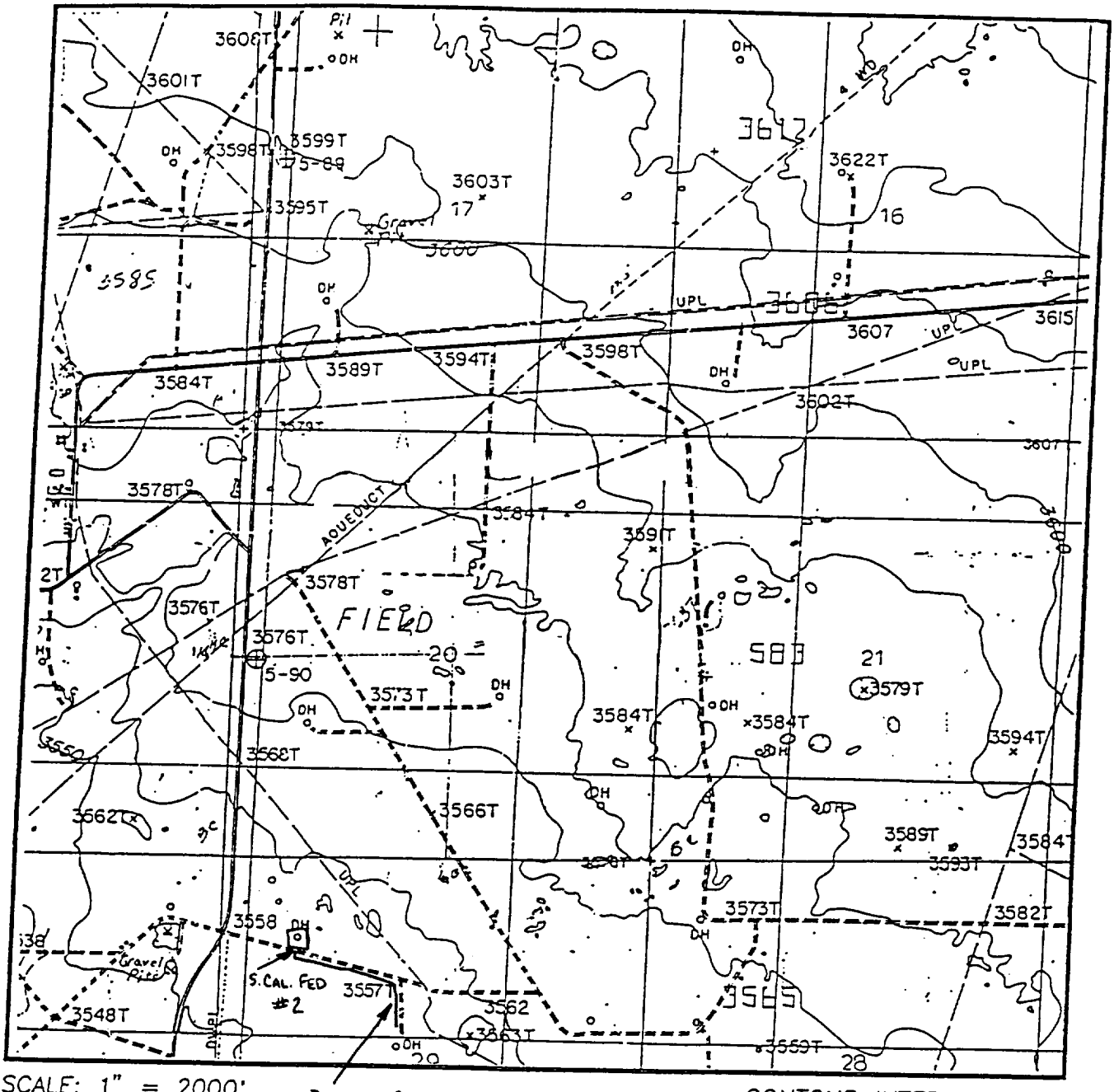
PIONEER NATURAL RESOURCES USA, INC.

Existing Wells In One Mile Radius
Southern California Federal #2
Lea County, New Mexico
Date: June 1997

EXHIBIT #5

LOCATION VERIFICATION MAP

EXHIBIT #6



SCALE: 1" = 2000'

PROPOSED FLOW LINE

CONTOUR INTERVAL:
GREENWOOD LAKE – 10'

SEC. 20 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

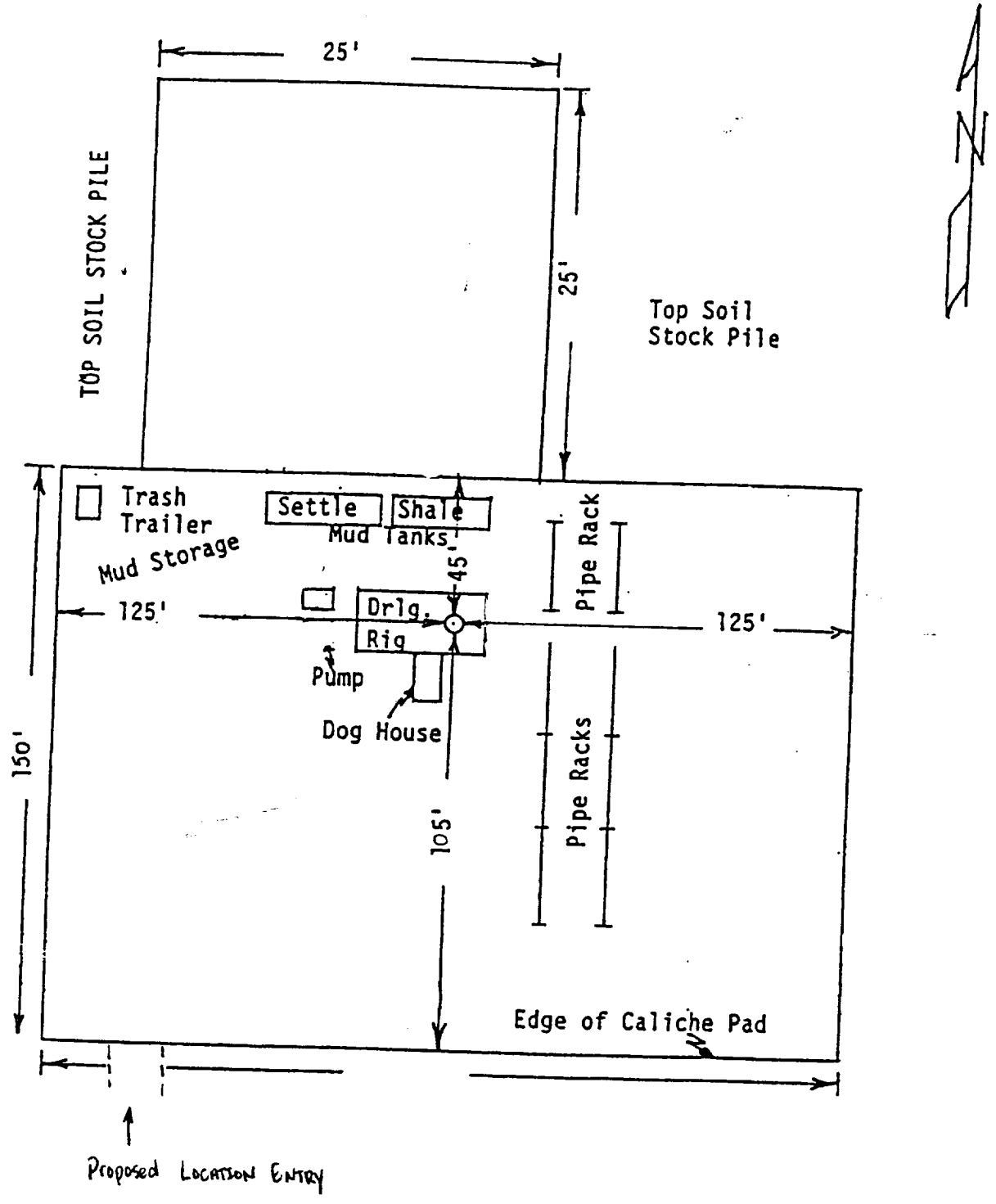
DESCRIPTION 990' FNL & 990' FWL

ELEVATION 3546' KB

OPERATOR Pioneer Natural Resources USA, Inc.

LEASE Southern California Federal

U.S.G.S. TOPOGRAPHIC MAP
GREENWOOD LAKE, N.M.



PIONEER NATURAL RESOURCES USA, INC.

Drilling Rig Layout

Southern California Federal #2
Lea County, New Mexico
Scale: 1"= 50' Date: April 1997
EXHIBIT #7

Exhibit #8

RE-ENTRY PROCEDURE
for the
SOUTHERN CALIFORNIA FEDERAL #2

			Pressure Rating*		
Tubular Design	Depth	Size/Wt/Grade	Burst	Collapse	Top of Cement
Surface Csg:	0-827	13-3/8"/54.5#/J-55	2730#	1130#	Surface
Intermediate Csg:	0-4497	8-5/8"/32#/J-55	3930#	2530#	Surface
DV Tool:	2593	N/A	N/A	N/A	Surface
Production Csg:	6497-11406	4-1/2"/13.5#/N-80	9020#	8540#	10100
Tubing:	None				

* -Pressure Ratings do not include safety factors

1. Dig out around wellhead and remove P&A marker. Attach 8-5/8" (Slip on Weld) X 5-1/2" 3000 psi Figure 92 Intermediate Casing Head.
2. MIRU WSU.
3. Screw on flange and Nipple up BOP's and Stripper Head. (4-1/8" rams will be needed.)
4. RU PAH Triplex Pump, close blind rams and pressure test casinghead and BOP's to 1000 psi for leaks.
5. RU 2.5 Ton Power swivel, a 7-7/8" bit, 4-1/2" Reg Box X 2-7/8" IF Box Bit sub, (6) 4-1/8" Drill Collars, 2-7/8" IF Pin X 2-7/8" 8rd Box Crossover sub, and ~ 5200' of 2-7/8"J-55 EUE tubing.
6. Reverse Circulate while drilling out the surface plug @(Surface - 30'). Close pipe rams and pressure test casing to 1000 psi for 10 minutes, after surface plug has been drilled out. POOH with drilling assembly and replace 4-1/8" rams with 2-7/8" rams. RBIH with drilling assembly and drillout cement plug located @(700' - 800'). Pressure test casing again to 1000 psi. Drill out cement plug @(2400' - 2500') and clean out to bottom plug located @~4361'. Pressure test casing to 1000 psi for 30 minutes and monitor leakoff. If pressure test fails contact Midland for furthur instructions.
7. Reverse circulate hole clean with 3% KCL water. Dispose of reverse circulated fluid into drillwell pit if fluid is highly contaminated.
8. Drill out bottom plug located @(4361'-4497') conventionaly and cleanout/drillout openhole to @~ 5300'. Circulate hole clean, making short trip if necessary.
9. POOH and rack tubing back in derrick and laydown drillcollars. RD BOP's.
10. RU casing crew and RIH with guide shoe, 1jt 5-1/2" 15.5# K-55 LTC, float collar, and ~125 jts of 5-1/2" 15.5# K-55 LTC casing. Estimated casing setting depth is 5100'. Run (5) Centralizers. One just above shoe held in place by limit ring, one at 4950', one at 4850' and one above and below intermediate casing shoe located @~4497'. Threadlock the shoe, float joint, and bottom three joints of casing. Make up casing with power tongs to 2220 ft-lbs torque. **Notify the (NMOCD) and (BLM) 24 hours prior to cementing.**
11. RU BJ. Break circulation and reciprocate the casing while pumping 50 bbls freshwater and 500 sacks of 50:50 Poz Class "C" +2% Gel + 5% Salt +.5% FL-62. (Wt=14.34ppg, Yield 1.26 cu-ft/sk, Pump Time 3:00 hours) Displace cement with 10 bbls freshwater spacer then follow with 2% KCL water. Test plug and leave well shut-in for a minimum of 12 hrs before pressure testing casing.
12. Set casing slips and screw on a 5-1/2" (Female Threaded) X 2-7/8" Larkin "R" Head. A 5-1/2" (Slip on Weld) X 5-1/2" (Male Threaded) Bell nipple may be necessary depending on where the casing is landed.

RE-ENTRY PROCEDURE (Con ued)
for the
SOUTHERN CALIFORNIA FEDERAL #2

13. Nipple up BOP with blank and pipe rams and circulating head. (2-7/8" rams will be needed)
14. RIH with 4-3/4" bit, 2-7/8" Reg Box x 2-7/8" 8rd Box crossover, scraper, and ~ 5050' of 2-7/8" 6.5# EUE tubing and clean out to PBTD. (Report PBTD on morning report).
15. Reverse circulate wellbore with 2% KCL water. RU Swab and swab well down to 3000'. Spot 500 gals of 10% Acetic Acid across proposed perforated interval. POOH with bit and workstring.
16. RU Prolog and run a GR/CCL Log from PBTD to 3100'. RU packoff and lubricator and perforate from 4920-4960,4800-4820 and from 4690 to 4715, 2spf, 90 degree phasing using 19 gram charge via a hollow steel carrier. (Total number of shots =176)
17. Monitor casing for pressure change.
18. RIH with a HD Model packer, seating nipple, and ~ 4650' of 2-7/8" tubing and set packer with 12K #'s of compression.
19. Load backside with formation water and pressure test casing/tubing annulus to 500 psi. Monitor pressure during acid treatment.
20. Pump 5500 gals of 15% NEFE HCL with 1gal/1000 Corosion Inhibitor and Clay Stabilizers @ fastest rate possible without exceeding 1500 psi treating pressure. Follow acid with 30 bbls of 2% KCL water and shut well in for 30 minutes. (Drop (10) 7/8", 1.3 SG balls every 500 gals of acid that is pumped for a total of 100 balls) **DO NOT ACIDIZE WELL IF YOU CAN NOT SWAB ON THE SAME DAY.**
21. RU swab and swab well to monitor fluid entry rate.(Additional treatments may be necessary.)
22. After swabbing, unset and lower packer to 4980' to knock-off balls that may still be stuck in perforations, then POOH with packer and workstring.
23. RIH with production equipment.
24. Place well on test.

Form 3160-5
(June 1990)

NITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M Oil Cons
P 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
LC-063586

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Southern California Federal

1. Type of Well
[ ] Oil Well [ ] Gas Well [X] Other

8. Well Name and No.
#2

2. Name of Operator
Pioneer Natural Res. USA, Inc.

9. API Well No.
30-025-~~00925~~ 20156

3. Address and Telephone No.
P.O. Box 3178 Midland, TX 79702 915/571-3937

10. Field and Pool, or exploratory Area
Lusk Delaware, West

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FNL & 990' FWL, Sec. 29, T19S, R32E

11. County or Parish, State
Lea NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other _____	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and 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.)*

A permit to re-enter this well to the 4900' Delaware Sand will be submitted shortly.

Request permission to dig out original cellar and inspect previous plugged and abandoned casing stub.

14. I hereby certify that the foregoing is true and correct
Signed Leanne Todd Title Engineering Tech Date 12/4/97

(This space for Federal or State office use)
Approved by (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: LC 063586

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 ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: Lusk Deep

2. NAME OF OPERATOR: El Paso Products Company

8. FARM OR LEASE NAME: Southern Calif. Fed.

3. ADDRESS OF OPERATOR: c/o Hobbs Pipe and Supply Co., Box 2010 Hobbs, N.M.

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 990' FNL * 990' FWL

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 29 - 19S - 32E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): UK

12. COUNTY OR PARISH: Lea

13. STATE: N.M.

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)	☐			(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 - Spotted a 25 sk cement plug to cover existing perfs.
2 - Spotted a 25 sk cement plug at stub of 4 1/2" csg. @ 6497'
3 - Spotted a 35 sk cement plug at base of 8 5/8" csg. (4497')
4 - Spotted a 25 sk cement plug at 2400' - 2500'
5 - Spotted a 25 sk cement plug at 700' - 800'
6 - Spotted a 10 sk cement plug at top
7 - Hole was loaded w/mud laden fluids & 4" reg. marker erected.
8 - Well was plugged and abandoned on 11/12/71

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

SIGNED H. Schmeder TITLE Agent DATE 11/19/71

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
FEB 4 1972
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget 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 ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
El Paso Products Company

3. ADDRESS OF OPERATOR
c/o Hobbs Pipe & Supply Co., Box 2010, Hobbs, N. M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
990' FNL & 990' FWL

5. LEASE DESIGNATION AND SERIAL NO.
LC063586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lusk Deep

8. FARM OR LEASE NAME
Southern Calif. Fed.

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
29 - 19S - 32E

12. COUNTY OR PARISH
Lea

13. STATE
N. M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
UK

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	XX	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(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.)*

Proposed Plugging Procedures:

1. Spot a 25 sx cement plug to cover existing perforations.
2. Spot a 25 sx cement plug at stub of 4-1/2" casing.
3. Spot a 25 sx cement plug at 7,000', if this much casing is recovered.
4. Spot a 35 sx cement plug at base of 8-5/8" casing (4497').
5. Spot a 25 sx cement plug at 2400' - 2500'.
6. Spot a 25 sx cement plug at 700' - 800'.
7. Spot a 10 sx cement plug at top.
8. Hole will be loaded with mud-laden fluids and a 4" regular marker erected.

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

SIGNED [signature] TITLE Agent DATE 9/16/71

(This space for Federal or State office use)

APPROVED BY _____ TITLE APPROVED DATE _____
CONDITIONS OF APPROVAL, IF ANY:

SEP 17 1971

*See Instructions on Reverse Side

GORDON
DISTRICT ENGINEER