Form 3160-3
(July 1992)

N. M. OIL CONS. DIVISION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

SUBMIT IN TRIPLICATE (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

914

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NM LC063586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

7. UNIT AGREEMENT NAME: Southern California Federal Unit

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

8. FARM OR LEASE NAME, WELL NO.: 14

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

9. API WELL NO.: 30-025-34172

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: UL - C, 990' FNL & 1880' FWL, Sec. 29, T19S, R32E
At proposed prod. zone: Same As Above

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 of 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.: 1312'

19. PROPOSED DEPTH: 7200'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 3561'

22. APPROX. DATE WORK WILL START*: December 9, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8", J-55	54.5#	~~825'~~ 850'	675 sx
12 1/4"	8 5/8", J-55	24# & 32#	4200'	1860 sx - Two Stage
7 7/8"	5 1/2", K-55	15.5#	7200' TD	900 sx

SEE ATTACHED

RECEIVED
1997 SEP -8 A 9:53
BUREAU OF LAND MGMT.
ROSWELL OFFICE

POOL NO. 36324
LEASE NO. 16683
CODE 41540
EFF DATE 10-29-97
API NO. 30-025-34172

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 [signature] TITLE Engineer Supervisor DATE 9/2/97

(This space for Federal or State office use)

PERMIT NO. _____ 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:

CW

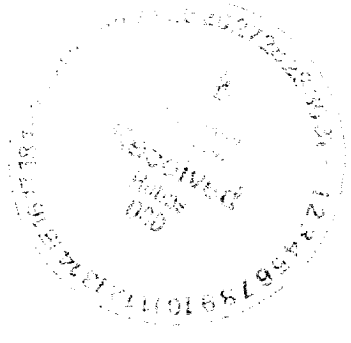
APPROVED BY (ORIG. SGD.) TONY L. FERGUSON TITLE ADM, MINERALS DATE 10-22-97

*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.

8

MP



Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.: NM LC063586

6. If Indian, Allottee or Tribe Name: NA

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

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

8. Well Name and No.: 14 WIW

2. Name of Operator: Pioneer Natural Resources USA, Inc.

9. API Well No.: 30-025-34172

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): UL - C, 990' FNL & 1880' FWL, Sec. 29, T19S, R32E

11. County or Parish, State: Lea County, 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	[X] 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
	[ ] 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.)*

(1) Disregard requested approval for the injection line construction. We will conduct an archaeological survey for the injection line at a later date.

(2) Request approval for well pad and access road construction.

(3) Request setting 825' of 13 3/8" Surface Casing in place of 850' of 13 3/8" Surface Casing.

RECEIVED
1997 OCT 21 A 11:06
BUREAU OF LAND MGMT.
CARLSBAD RESOURCE AREA

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

Signed _____ Title Operations Engineer Date 10/20/97

(This space for Federal or State office use)

Approved by (ORIG. SGD.) TONY L. FERGUSON Title ADM. MINERALS Date 10-22-97

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

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, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-34172	41540	Lusk Delaware, West

Property Code	Property Name	Well Number
016683	Southern California Federal	14

OGRID No.	Operator Name	Elevation
036324	Pioneer Natural Resources USA, Inc.	3561

Surface Location

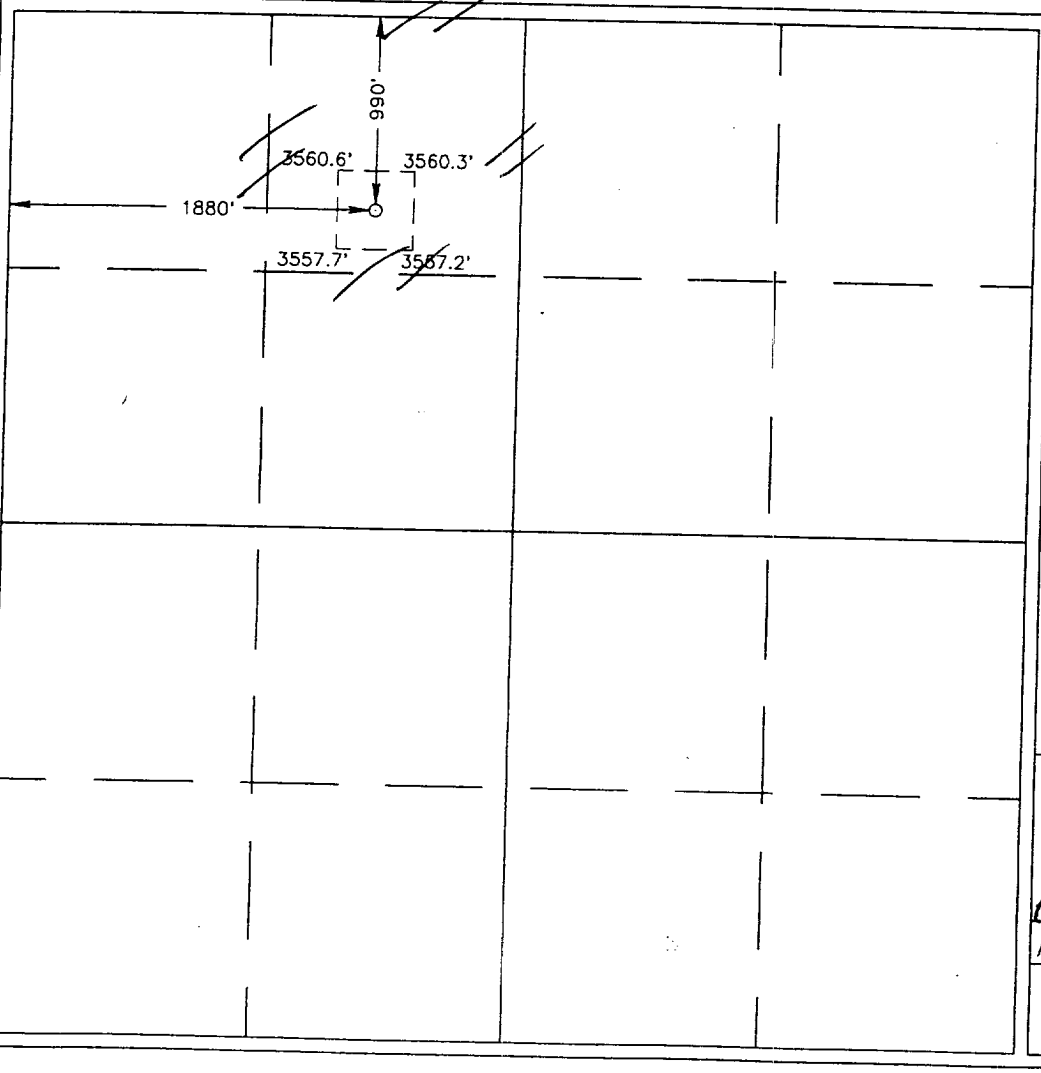
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	19 S	32 E		990	NORTH	1880	WEST	LEA

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.

Signature

Scott H. Lackey
Printed Name

Operations Engineer
Title

8/19/97
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.

JUNE 10, 1997
Date Surveyed DMCC

Signature & Seal of Professional Surveyor

RONALD J. EIDSON
NEW MEXICO
3239
REGISTERED PROFESSIONAL SURVEYOR

6-12-97

97-11-0958

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY L. EIDSON 12641

DRILLING PROGRAM

Attached to Form 3160-3
Pioneer Natural Resources USA, Inc.
Southern California Federal Unit No. 14 WIW
1880' FWL & 990' FSL
NE/NW, 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	775'	Base Brushy	7010'
Yates	2600'	Base Sand Springs	7180'
Capitan Reef	2780'		
Base Capitan Reef	4380'		
Top Delaware	4380'		
Manzanita	5530'		

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

Surface Water Sands	above 250'	Fresh water
Yates	2600'	Oil
Delaware	4380' to 7180'	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 13-3/8" casing at 850' +/- and circulating cement to the surface. Potash will be protected by setting 8-5/8" casing at 4200'+/- and circulating cement back to the surface with the use of a stage tool at 2600'+/- . In the event 5-1/2" production casing is set, sufficient cement volume will be pumped to attempt to fill the entire annular area from TD to 250' above DV Tool located @ 2600' +/-.

4. Casing Program:

Hole Size	Interval	OD csg	Weight,Grade, Jt.,Cond.Type
17-1/2"	0 - 850'	13-3/8"	54.5#, J-55, ST&C, New
12-1/4"	0 - 2600'	8-5/8"	24#, J-55, ST&C, New
12-1/4"	2600 - 4200'	8-5/8"	32#, J-55, ST&C, New
7-7/8"	0 - 7200'	5-1/2"	15.5#, K-55, LT&C, New

Cementing Program:

13-3/8" Surface Casing	475 sx 35/65 Poz "C", 6% gel., 5% salt, 1/4#/sx cellophane flakes; followed by 200 sx "C", 2% CaCl, 1/4#/sx cellophane flakes.
8-5/8" Intermediate: (Stage Tool @ 2600')	1st stage: 685 sx 50/50 Poz "C", 10% gel., 5% salt, followed by 200 sx "C", 1% CaCl.
	2nd stage: 825 sx 50/50 Poz "C", 10% gel., 5% salt, followed by 150 sx "C", 2% CaCl.
5-1/2" Production Casing:	900 sx 50/50 Poz "C", 2% gel., 5% salt, 0.5% FL-25 (Fluid Loss). This is designed to bring cement to surface.

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 and a bag-type (Hydril) preventer (3000 PSI WP). Both units will be hyraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. Both BOP's will be installed on the 13-3/8" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 PSI before drilling out of surface casing. Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000 PSI and the bag-type (Hydril) preventer will be tested to 70% of rated working pressure (2100 PSI).

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.

A 2" kill line and a 3" choke line will be installed on the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include the choke lines and choke manifold (3000 PSI WP), kelly cock and floor safety valve (inside BOP).

6. Types and Characteristics of the Proposed Mud System:

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

DEPTH	TYPE	WEIGHT (ppg)	VISCOSITY (Sec)	WATER LOSS (cc)
0 - 850'	Fresh Water-Gel	8.4 - 8.9	30 - 32	25 cc - N/C
850 - 4200'	Brine Water	9.9 - 10.1	28 - 29	N/C
4200 - 6000'	Fresh Water	8.4 - 8.5	28	N/C
6000 - TD	Fresh Water, Gel, Polymer	8.7 - 9.1	30 - 36	12 cc or less

Loss of circulation may occur in the Capitan Reef at about 2800'. If loss can not be corrected reasonably, it may be necessary to dry-drill from the loss depth to 4200'+/- . Sufficient mud mixing materials to maintain the mud properties and to meet reasonable lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary Well Control and Monitoring Equipment:

A. A fully opened, fully serviceable drillpipe stabbing valve (inside BOP) with proper drillpipe connections will be on the rig floor at all times.

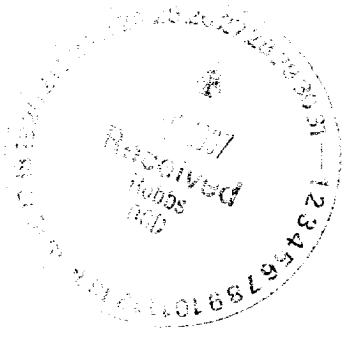
B. No H2S gas or abnormal pressures are known to exist, in this heavily developed area, down to the proposed TD. Therefore, no pit-volume totalizing system will be employed. The drilling fluid system will be visually monitored at all times.

8. Logging, Testing and Coring Program:

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

B. Open hole electric logs at TD are planned to be as follows:

Compensated Neutron w/Z-Density & GR & Caliper from TD to 4200'; Gamma-Ray to surface.


Received
Hubbs
Inc.

C. No conventional cores are planned

D. Additional evaluation may be required by the company geologist based on drilling shows and log evaluation.

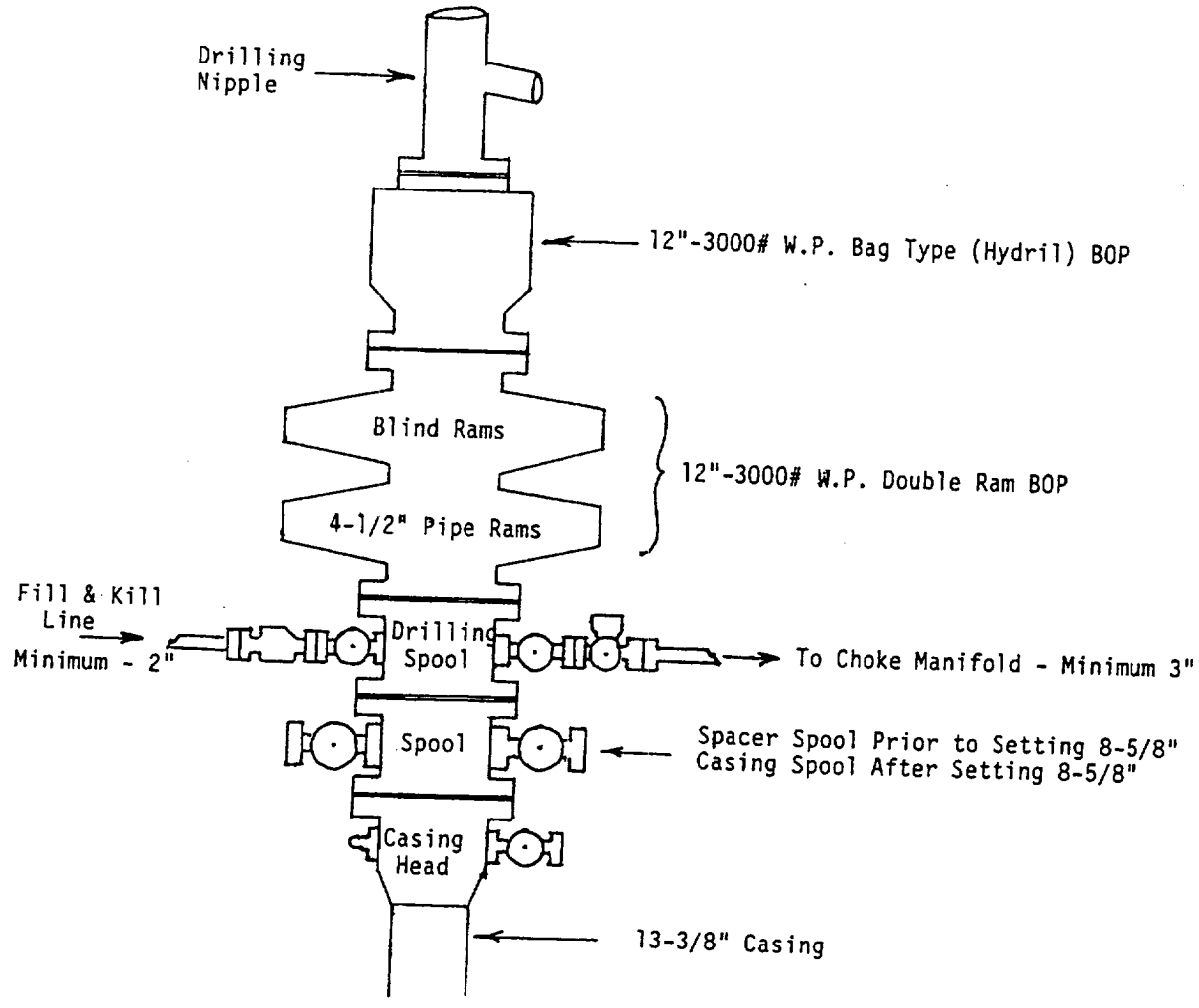
9. Abnormal Conditions, Pressures, Temperatures and Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is expected to be 135°F and the estimated maximum bottom hole pressure (BHP) is 2800 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'. If this occurs at this location, several attempts will be made to regain circulation, but if it appears necessary, the well will be dry-drilled to the intermediate casing depth of 4200'+/- .

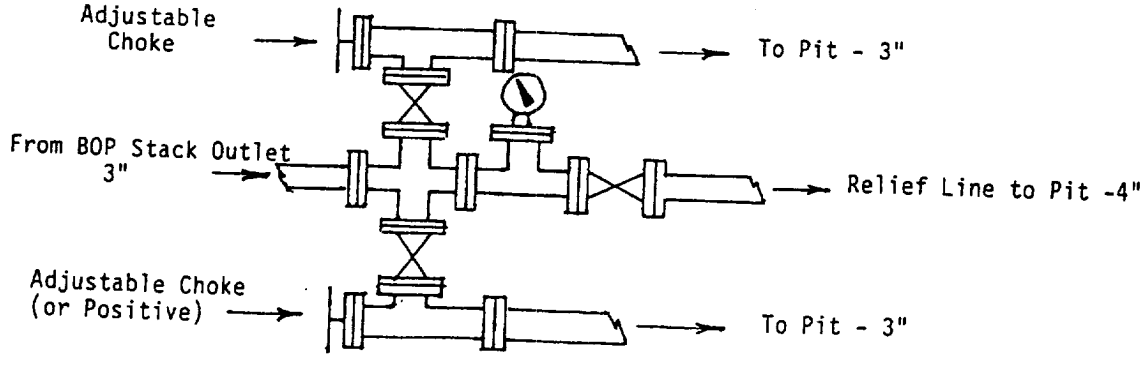
10. Anticipated Starting Date and Duration of Operations:

Location construction work will not begin until approval has been received from the BLM. The anticipated spud date will be around December 9, 1997. Once commenced, the drilling operations should be completed in approximately twenty (20) days. If the well is productive, an additional thirty (30) days will be required for completion and testing before a decision is made to tie into permanent water injection facilities.


Received

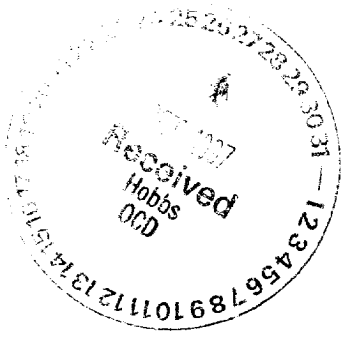


CHOKE MANIFOLD SCHEMATIC
(3000 PSI W P)



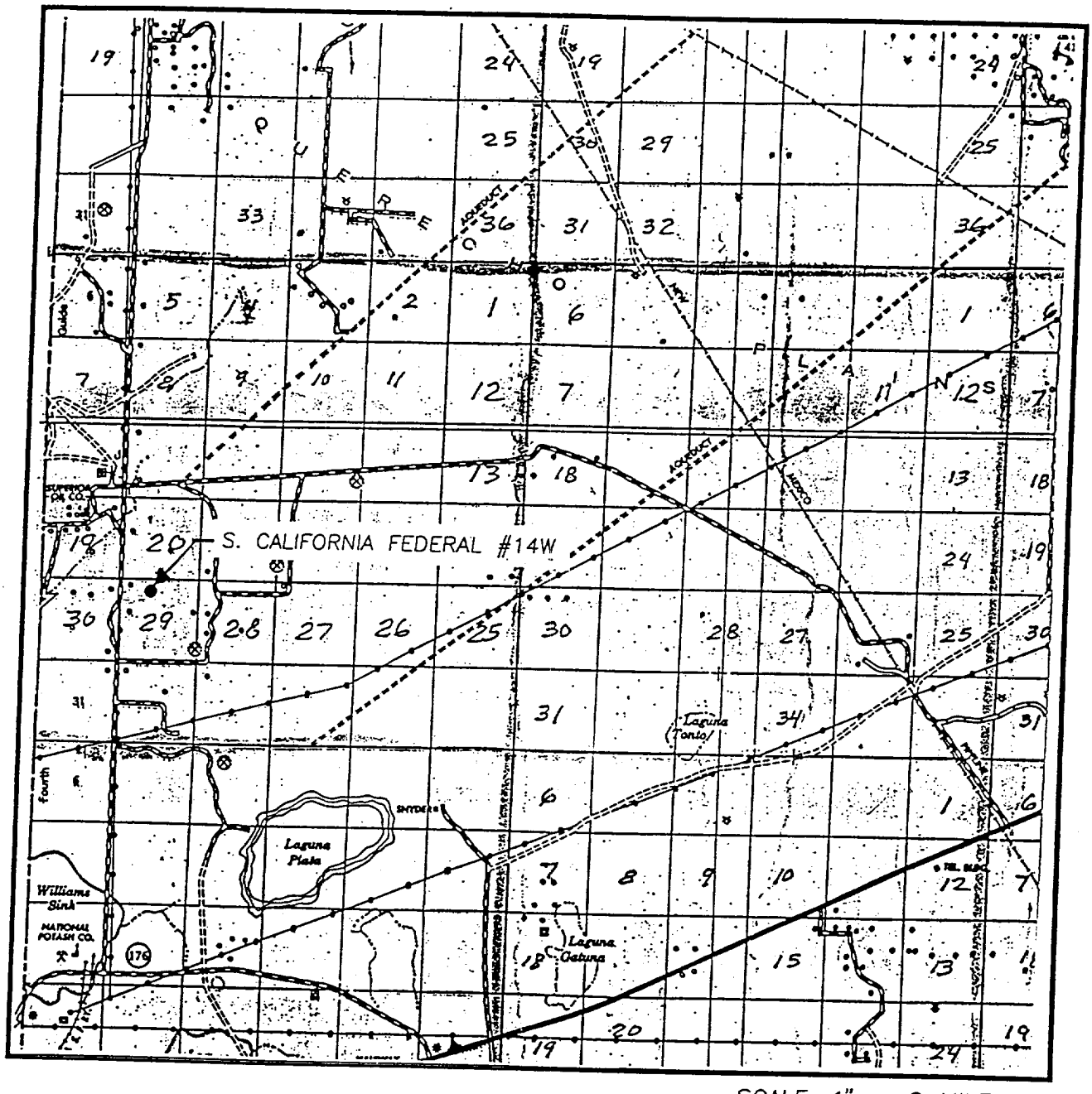
Parker & Parsley Development L.P.

BOPE SCHEMATIC (3000 PSI W.P.)
Southern California Federal Unit No. 14 WIW
Lea County, New Mexico
Scale: 1"= 50' Date: June 1997
EXHIBIT #1


Received
Hobbs
OCD

VICINITY MAP

EXHIBIT #4



SCALE: 1" = 2 MILES

SEC. 29 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 990' FNL & 1880' FWL

ELEVATION 3561

OPERATOR PARKER & PARSLEY PETROLEUM USA, INC.

LEASE S. CALIFORNIA FEDERAL

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117