

Initial Application Part I

Received 4/28/21

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete



Occidental Permian LTD.

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521
P.O. Box 27570, Houston, Texas 77227-7570
Phone 713.215.7000

April 27, 2021

State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
1220 S. St. Frances Dr.
Santa Fe, NM 87505

RE: Pressure Maintenance Project
North Hobbs Unit
Well No. 972
API 30-025-29065
Letter F, Section 32, T-18S, R-38E
Lea County, NM

To Mr. Richard Ezeanyim, Chief Engineer:

Occidental Permian Ltd. respectfully request administrative approval, without hearing, to commence injection (water, CO₂, and produced gas) per the authorized Order No. R-6199-F. In support of this request please find the following documentation:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- An Injection Well Data Sheet with Wellbore Schematic
- Form C-102
- Map

*** Per Order No. R-6199-F, this application is eligible for administrative approval without notice or hearing ***

If you have any questions regarding this application, please contact me at 832-646-4450 or email Jose_Gago@oxy.com.

Sincerely,

Jose Gago
Regulatory Engineer

DATE IN 4/28/21	SUSPENSE	ENGINEER	LOGGED IN	TYPE PMX	APPNO. pBL2111947500
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]"

- [A] Location - Spacing Unit - Simultaneous Dedication"
 NSL NSP SD"

PMX-297

Check One Only for [B] or [C]"

- [B] Commingling - Storage - Measurement"
 DHC CTB PLC PC OLS OLM"

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery"
 WFX PMX SWD IPI EOR PPR"

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

 Print or Type Name Signature *David Luis Lopez* Title Date

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: OCCIDENTAL PERMIAN LTD

ADDRESS: P.O. Box 4294 Houston, TX 77210-4294

CONTACT PARTY: Jose L Gago PHONE: 832-646-4450

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? Yes _____ No
If yes, give the Division order number authorizing the project: R-6199-F

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

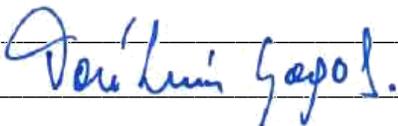
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Jose L Gago TITLE: Engineer, Regulatory

SIGNATURE:  DATE: 04/21/2021

E-MAIL ADDRESS: Jose_Gago@oxy.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: February 11, 2014 as part of Order No. R-6199-F application

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

C-108 Application Attachment
 Occidental Permian Ltd.
 North Hobbs Unit No. 972
 Lea County, New Mexico

- I. This is a pressure maintenance project. The project qualifies for administrative approval.
- II. OCCIDENTAL PERMIAN Ltd.
 P.O. Box 4294 Houston, TX 77210-4294
 Contact Party: Jose Gago, 832-646-4450
- III. Injection well data sheet and wellbore schematic has been attached for NORTH HOBBS UNIT NO. 972
- IV. This is an expansion of an existing project authorized under Order No. R-6199-F.
- V. The map with a two mile radius surrounding the injection well and a one half mile radius for area of review is attached.
- VI. In accordance to Order No. R-6199-F Section 4 OCCIDENTAL PERMIAN Ltd certifies that: The area of review for well "NORTH HOBBS G/SA UNIT #972" (API: 30-25-36775) shows no substantive changes in the information furnished in support of Order No. R-6199-F concerning the status of construction of any well that penetrates the injection interval within the one-half (1/2) mile around the injection well, with the exemption of the wells below:

API	Well Name	Operator	Status after Jan 2014
30-025-07522	W D GRIMES NCT-A 004	TEXLAND PETROLEUM-HOBBS, LLC	P & A

The wellbore diagrams and tabulated well data is attached.

- VII. The area of review is attached.
 - 1. Average Injection Rate 4,000 BWPD / 15,000 MCFGPD
 Maximum Injection Rate 9,000 BWPD / 20,000 MCFGPD
 - 2 This will be a closed system.
 - 3. Average Surface Injection Pressure 1,100 PSIG
 Maximum Surface Injection Pressure
 - Produced Water 1,100 PSIG
 - CO2 1,250 PSIG
 - CO2 w/produced gas 1,770 PSIG
 (In accordance with Order No. R-6199-F, effective 7/18/13)
 - 4. Source Water – San Andres Produced Water
 (Analysis previously provided at hearing, Case No. 14981)
- VIII. The information was previously submitted as part of Order No. R-6199-F application
- IX. 15% HCL Acid stimulation using straddle packer assembly (PPI – tool) or salt rock as divertor. Approximately 0.5 to 1.5 bbls per net pay
- X. Logs were filed at the time of drilling.
- XI. Per our field personnel, no fresh water wells were found within 1 mile of this well.
- XII. N/A. This is a pressure maintenance project, not a disposal well.
- XIII. Section 3 of Order No. R-6199-F allows the administrative approval, from the Division Director, of additional injection wells without notice and hearing. Notices to producers and surface owners for the water/CO2 flood area were provided at the time of the application and hearing for Order No. R-6199-F.

INJECTION WELL DATA SHEET

Tubing Size: 2 - 7/8" Lining Material: Duoline

Type of Packer: 5-1/2" x 2 3/8" 14-20# AS1-X Double Grip injection Packer

Packer Setting Depth: 3950' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes No

If no, for what purpose was the well originally drilled? Producer

2. Name of the Injection Formation: San Andres

3. Name of Field or Pool (if applicable): Hobbs; Grayburg - San Andres

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Yes

Blinebry - Perforated from 5816' to 5963'. Currently Plugged with CIBP set @ 5736' and capped with 2 sxs of cement on top.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Byers (Queen) @ +/- 3680'

Glorieta @ +/- 5300'

WELLBORE DIAGRAM

(updated: 02/25/2021 CER)

Revision 0

WELL# **Grimes NCT-A #27**
API# 30-025-36775
Location: F-32-18S-38E 2176 FNL 1444 FWL
Zone: San Andres
Spud: 11/2004

GL elev 3633'
Kb elev 3639'

Grimes NCT-A #27

CEMENT

DEVIATION SURVEYS

DEPTH

DEGREE

Surface Casing

Cement with 550 sx Halliburton Light P+ and 200 sx Premium +

CIRCULATED TO SURFACE

12-1/4" hole

Intermediate Casing

Cement with 375 sx Class C w/ 2.5% salt, 0.4% LAP1, 0.3% CFR-3 and 230 sxs of IFILLIC, 0.25# CelloFlake and 300 sx class C, 0.5% LAP1, 0.2% CFR3 and 1000 sx IFILLIC, 0.25# Cell Flake and 50 sxs Class C

CIRCULATED TO SURFACE

8-5/8" 24# set at 1500'

7-7/8" Hole

CIBP set @ 5736'
Capped w/ 2 sx of cement

Perf Interval: 5819' - 5963'

5819, 5823', 5827', 5830', 5853', 5857', 5862', 5865', 5897'
Perfs: 5903', 5911', 5917', 5923', 5930', 5933', 5941', 5945', 5956', 5963'

5-1/2" 15.5 - 17# set at 6056'

WELLBORE DIAGRAM

(updated: 02/25/2021 CER)

Revision 0

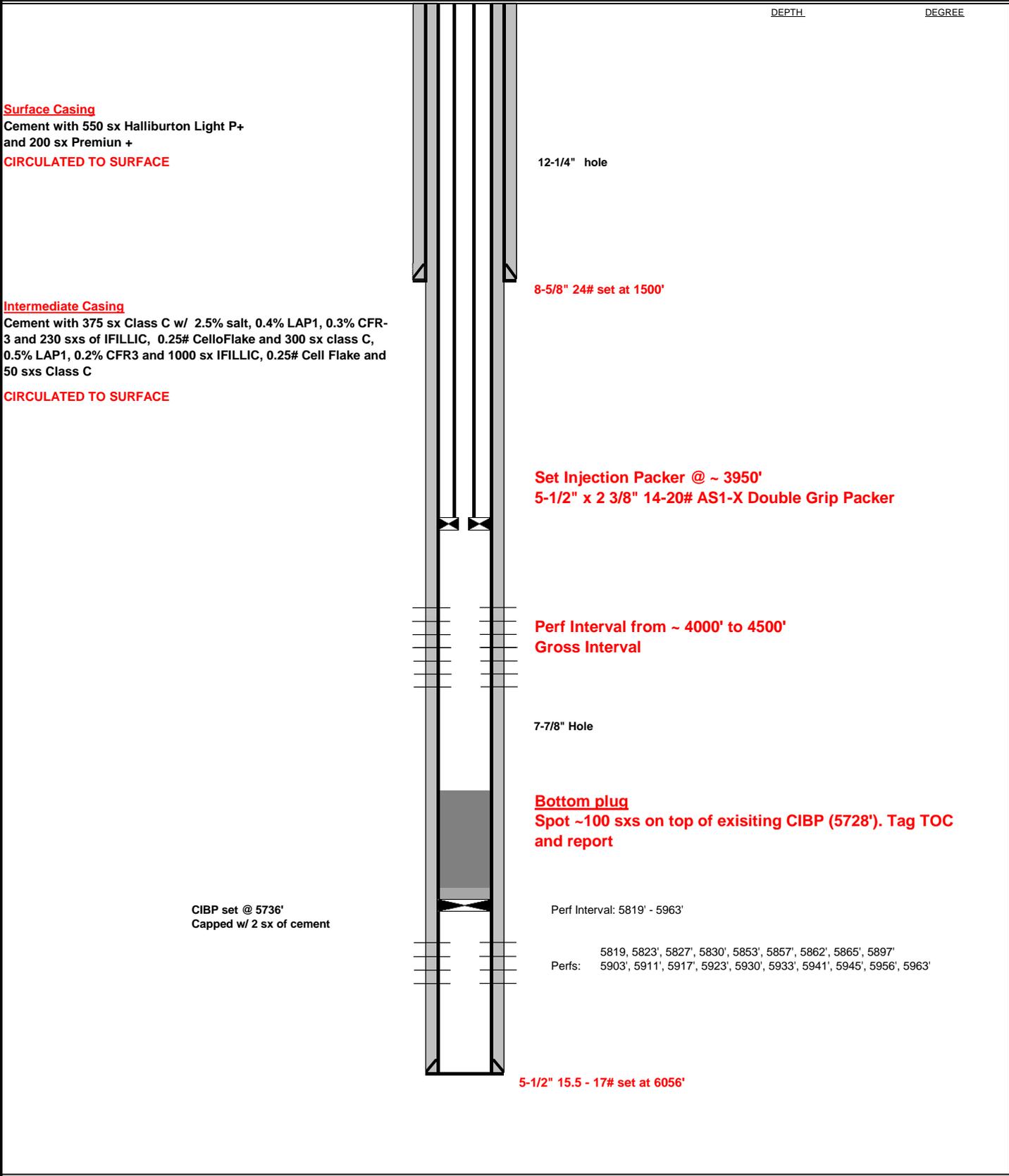
WELL# **Grimes NCT-A #27**
 API# **30-025-36775**
 Location: **F-32-18S-38E 2176 FNL 1444 FWL**
 Zone: **San Andres**
 Spud: **11/2004**

GL elev **3633'**
 Kb elev **3639'**

Grimes NCT-A #27

CEMENT

DEVIATION SURVEYS



WF

DISTRICT I
 1825 N. French Dr., Hobbs, NM 88240
 DISTRICT II
 811 South First, Artesia, NM 88210
 DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410
 DISTRICT IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised March 17, 1999

Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36775	Pool Code 31680	Pool Name Hobbs Upper Blinetry
Property Code 25699	Property Name WD GRIMES NCT-A	Well Number 27
OGRID No. 113315	Operator Name TEXLAND PETROLEUM INC.	Elevation 3633'

Surface Location

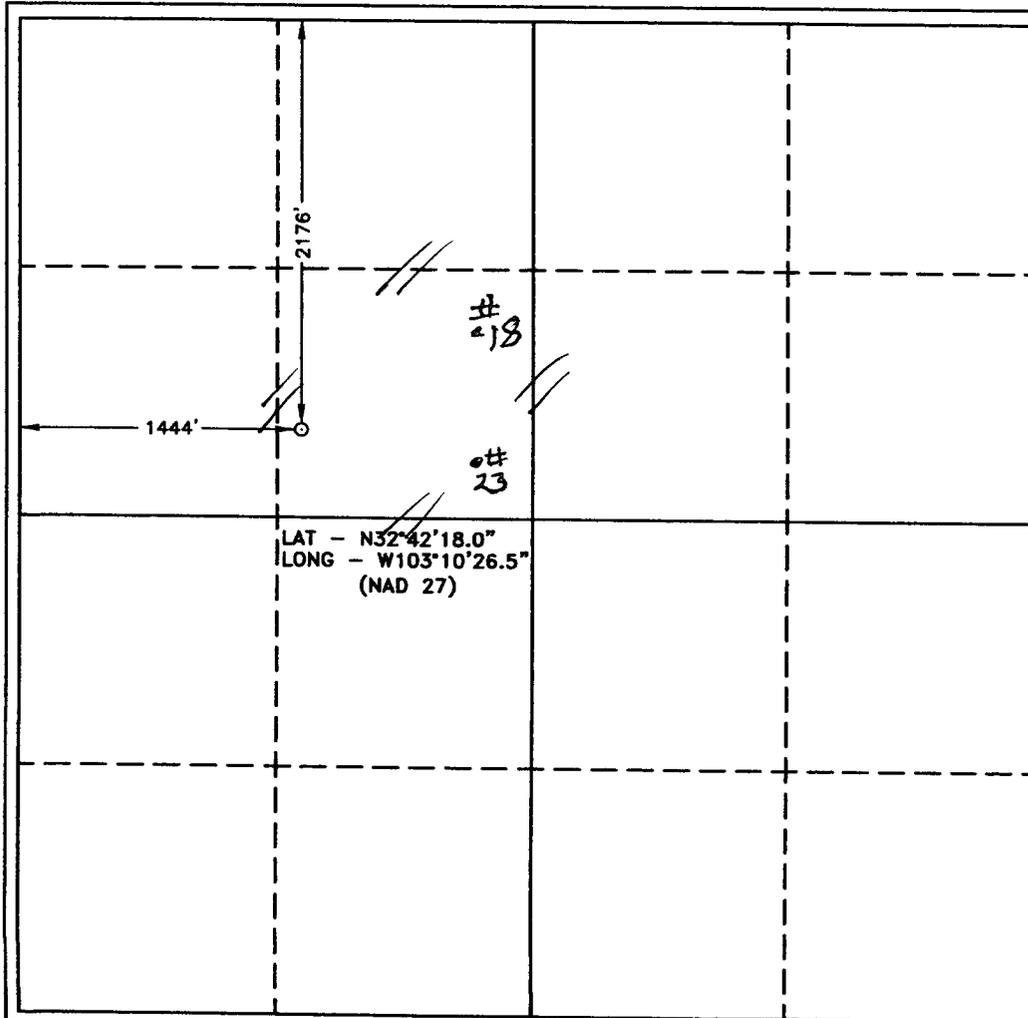
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	32	18 S	38 E		2176	NORTH	1444	WEST	LEA

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 40	Joint or Infill	Consolidation Code	Order No.
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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: *Mark A. Jacoby*
 Printed Name: Mark A. Jacoby
 Title: Area Mgr. of Drilg. & Prod.
 Date: 7-27-04

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: JUNE 25, 2004

Date Surveyed: _____
 Signature: *Wesley Jones*
 Professional Surveyor
 NEW MEXICO
 W.O. No. 4404
 Certified No. Gary L. Jones 7977
 PROFESSIONAL LAND SURVEYORS

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07522	TEXLAND PETROLEUM HOBBS, LLC	W D GRIMES NCT-A	004	Gas	Plugged, Site Released	330	N	2,310	W	C	32	18S	38E	7/16/1930	4,153'	N/A N/A N/A	15 1/2" 9 5/8" 6 5/8"	220' 2,742' 3,391'	200 600 400	Surface N/A 2,528'	Calc Calc Calc	3,604' - 3,700'	Well file does not indicate hole size. Well was plugged and abandoned on 5/27/2017 and the site has been released

W.D. Grimes NCT-A #4
 330' FNL 2,310' FWL, SEC 32, T-18S, R-38E
 LEA COUNTY, NEW MEXICO
 API# 30-025-07522

