

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒ REENTRY ☐ DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Enron Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1980
1975' FSL & 1980' FEL
At proposed prod. zone

1975' FSL & 1980' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

665
(Also to nearest drilg. unit line, if any) 660

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

1320

19. PROPOSED DEPTH

12700

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 320

20. ROTARY OR CABLE TOOLS

Rotary

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

3304' GR

22. APPROX. DATE WORK WILL START*

October 15, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
EXISTING	20"	94	542	Circulated
EXISTING	13-3/8" K-55	68	5360	Circulated
EXISTING	9-5/8" NT-95	47	12895	TOC @ 7758' per temp survey
EXISTING	5-1/2" Liner S-95 23#	15997	15997	TOL @ 12605
NEW	5-1/2" S-95 P-110 17#	12600±	12600±	TOC @ 11900'

The Undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on leased land or portions thereof as shown below:

NM 15036

UL J, Sec 35, T25S, R34E

Federal Bond # is MT 0748 with
endorsement to New Mexico

OPER. OGRID NO. 7377

PROPERTY NO. 19515

POOL CODE ✓

EFF. DATE 9/24/96

API NO. 30-D25-27753

This is a re-entry of Mobil's Olson Federal #1 P&A in 1991.

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.

SIGNATURE

Betty Gildon

Betty Gildon

TITLE Regulatory Analyst

DATE 9/6/96

(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:

APPROVED BY

Timothy P. O'Brien

TITLE

Acting Area Manager

DATE

SEP 16 1996

*See Instructions On Reverse Side

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-27753	² Pool Code ✓	³ Pool Name Wildcat Undes Bone Spring & Undes Wolfcamp
⁴ Property Code 19515	⁵ Property Name JAMAICA OLSEN FEDERAL	⁶ Well Number 1
⁷ OGRID No. 7377	⁸ Operator Name ENRON OIL AND GAS COMPANY	⁹ Elevation 3304

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	35	25-S	34-E		1975, 1980	SOUTH	1980	EAST	LEA

¹¹Bottom 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

¹² Dedicated Acres 320	¹³ Joint or Infill S/2	¹⁴ Consolidation Code	¹⁵ 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

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Betty Gildon Signature Betty Gildon Printed Name Regulatory Analyst Title 9/6/96 Date
				¹⁸ 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 best of my belief. AUG. 28, 1996 Date of Survey Signature and Seal of Professional Surveyor: Earl G. Gildon Certificate Number 278

X = 777264
Y = 395798
1980'
1975'
2861'

DRILLING / RE-ENTRY PROGRAM

Enron Oil & Gas Company
Jamaica Olsen Federal, Well No. 1
1975' FSL & 1980' FEL
Sec. 35, T25S, R34E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Rustler	850'
3rd Bone Spring Sand	12300'
TD	12700'

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

Upper Permian Sands	100'	Fresh Water
3rd Bone Spring Sand	12300'	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands was protected by setting 20" casing at 542' and circulating cement back to surface, and 13-3/8" casing set at 5360' with cement circulated back to surface.

Enron Oil & Gas Company
Jamaica Olsen Federal, Well No. 1
1975' FSL & 1980' FEL
Sec. 35, T25S, R34E
Lea County, New Mexico

4. Existing Casing Program:

<u>OD Casing</u>	<u>Depth</u>	<u>Weight Grade Jt. Cond. Type</u>
20"	542'	94#
13-3/8"	5360'	68# K-55
9-5/8"	12895'	47# NT-95 TOC @ 7758'
5-1/2" Liner	15997'	23# S-95 TOL @ 12605'

SEE ATTACHED CURRENT WELLBORE CONDITION

Cementing Program (New Casing):

5-1/2" P-110 set at 12600' - SEE ATTACHED REENTRY PROCEDURE AND
PROPOSED REENTRY WELLBORE DIAGRAM.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000 psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom.

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 tour sheets. A 2" kill line and 4" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 5000 psi WP rating.

Olsen Federal No. 1
Section 35-T25S-R34E
Lea, New Mexico

Current Wellbore Condition

30" csg at 40' with redimix
94# 20" csg at 542' circ cmt
65# 13-3/8" csg at 5,360' circ cmt
47# 9-5/8" csg at 12,895' top cmt by temp survey 7,758
9-5/8" csg cut and pulled from 4,050'
23# 5-1/2" liner at 15,997' circ cement with 200 sack squeeze at top of liner

CIBP at 15,380' with 40' cmt on top
CIBP at 14,020' with 200' cmt on top
100 sk cmt plug 12,655'-12,361' (top of 5-1/2" liner 12,605')
CIBP at 11,470 with 50' cmt on top
100 sks cmt plug 7,041'-6,736'
32 sks cmt plug 4,849'-4,749'
60 sks cmt plug 1,109'-1,009'
65 sks cmt plug 590'-490'
35 sks cmt plug at surface

Proposed Reentry Procedure
Olsen Federal No. 1
Section 35-T25S-R34E
Lea, New Mexico

1. MIRU Rotary tools. Install and test 5,000# BOPE.
2. Pick up drill pipe and clean out hole to 14,200' with 9.0# gel fluid, circ hole clean.
3. POH with drill pipe, lay same down.
4. Run 5-1/2" csg to 12,600'. Cement thru 5-1/2" x 9-5/8" packer shoe with top of cement brought up to 11,900'.
5. PU 3-1/2" or 2-7/8" tbg and clean out to 14,200'.
6. Circ hole clean with 10# brine.
7. POH, Run pkr and set at +/-13,200'
8. RIH with tbg, string into packer, tree up well head, perforate and test Wolfcamp interval.

- Proposed Re-Entry Well bore diagram -

SUBJECT _____

BARON OIL & GAS COMPANY

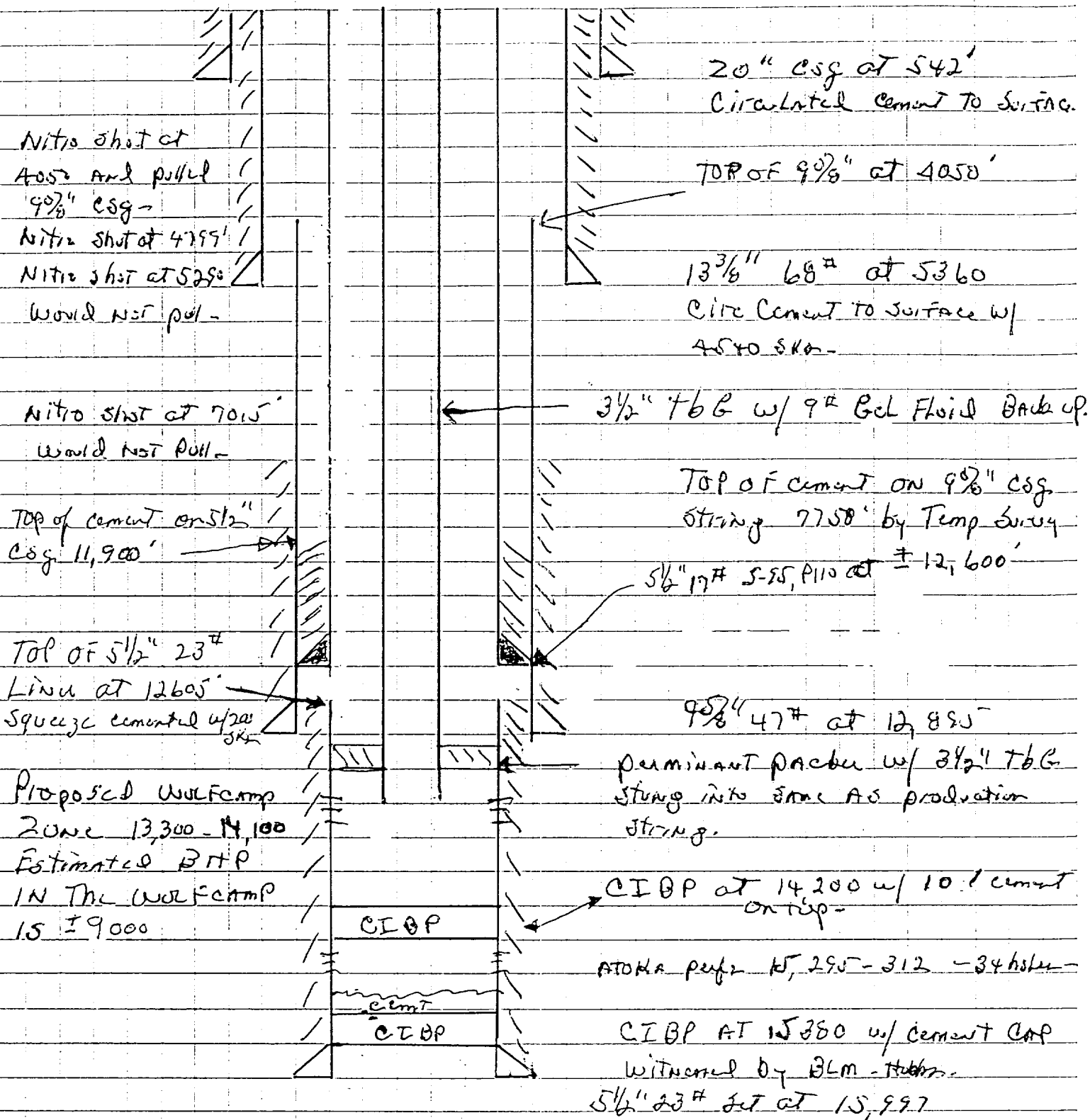
PAGE NO _____

DATE _____

OLSEN Fed #1

Sec 35 T25S R34E

Lea N Mex.



ENRON OIL & GAS COMPANY

Jamaica Olsen Federal #1

