

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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

API NO. (assigned by OCD on New Wells)

3001522330

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☒

b. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. Name of Operator

OXY USA Inc.

7. Lease Name or Unit Agreement Name

Polk A

8. Well No.

1

3. Address of Operator

P.O. Box 50250 Midland, TX. 79710

9. Pool name or Wildcat

Undes. Delaware

4. Well Location

Unit Letter B : 660 Feet From The North Line and 2310 Feet From The East Line

Section 17 Township 23S Range 28E NMPM Eddy County

10. Proposed Depth

7450'

11. Formation

Delaware

12. Rotary or C.T.

13. Elevations (Show whether DF, RT, GR, etc.)

3027'

14. Kind & Status Plug. Bond

Required Blanket

15. Drilling Contractor

16. Approx. Date Work will start

ASAP

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	400'	400	Surface
12 1/4"	9 5/8"	36-40#	5550'	3050	Surface
8 3/4"	7"	23-26#	11001'	800	7600'
	5"	18#	12574'	150	10652'

TD-12574' PBTD-11950' Atoka-11596'-11680': It is proposed to P&A the Atoka & test the Delaware in the following manner:

1. MIRU pulling unit. RU kill truck. Kill well w/10# brine water. ND tree. NU BOP's. Unseat pkr. POOH. RU wireline service. RIH w/CIBP. Set CIBP @ 11550'. RD wireline truck.

2. TIH w/2 3/8 tbg to 11545'. Press csg to 1000#. Circ hole w/9#/gal mud laden fluid. RU cementing service company. Plug back well as follows: spot 20 sack Class H plug on top of CIBP @ 11550. LD tbg to 11120 spot 25 sack plug. LD tbg to 10668' spot 25 sack plug. LD tbg to 9350' spot 25 sack plug. LD tbg to 7700' spot 25

(See attachments)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Dr. H. Stewart TITLE Production Accountant DATE 6/15/90

TYPE OR PRINT NAME D.R. Stewart

TELEPHONE NO. 9156855717

(This space for State Use)

ORIGINAL SIGNED BY

MIKE WILLIAMS

APPROVED BY

SUPERVISOR, DISTRICT II

TITLE

DATE

JUN 26 1990

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID FOR 180 DAYS

PERMIT EXPIRES 12/25/90

UNLESS DRILLING UNDERWAY

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OXY USA Inc.
Polk A #1
Sec 17 T23S R28E
Eddy County, New Mexico

sack plug (NMOCD representative Mike Williams approved procedure and should be notified prior to work being performed). LD remaining 2 3/8 tbq.

3. RU wireline service. Install lubricator. RIH w/4" casing guns loaded w/ premium charges. Perforate @ 7400' \pm w/4 SPF. RD wireline truck. RU kil truck to 7" casing valve. Close BOP, open backside between 9 5/8" and 7" casings. Pump down 7" casing and establish circulation up backside.

Note: If circulation cannot be established, a block squeeze will need to be discussed.

4. RU wireline service. RIH w/7" cement retainer to be set in 23# casing. Set @ 7350' \pm . RD wireline truck. PU new 2 7/8 EUE 6.5# J-55 tbq. TIH testing tbq to 5000#. Sting into retainer @ 7350'.
5. Open backside 9 5/8" casing valve. RU cementing company. Establish circulation up backside. Press 7" csg to 1000#. Displace w/9 5/8 x 7" annulus w/2% KCLFW. Cement across Delaware zone w/600 sacks Class H cement (15.0 ppg) displacing w/2% KCl water to retainer. Sting out of retainer. Flush tbq. POOH. WOC.
6. RU wireline service. Run cement bond log. RU lubricator. RIH w/4" casing guns loaded w/ premium charges. Perforate 2 SPF @ 5880-5894 (30 holes). RD wireline service.
7. PU 7" treating pkr TIH set pkr @ 5750'. RU stimulating company. Put 1000# on backside. Acidize and frac lower Delaware perms 5880-5894 (30 holes) as follows:
 - A. Acidize w/1500 gals 15% NeFe @ 4-5 BPM using 64 7/8" ball sealers. Flush to bottom perf w/2% KCl water.
 - B. Rel pkr. RIH and knock off balls.
 - C. PU and reset pkr @ 5750'. Pressure up backside to 1000#.
 - D. Frac w/10000 gals x-linked 2% KCl water and 33000# 16-30 mesh Ottawa sand flushing w/2% KCl water as follows:
 1. Pump 4000 gals 30# x-linked pad.
 2. Pump 1000 gals 30# x-linked w/2 ppg of 16-30 mesh Ottawa sand.
 3. Pump 1000 gals 30# x-linked w/4 ppg of 16-30 mesh Ottawa sand.
 4. Pump 2000 gals 30# x-linked w/6 ppg of 16-30 mesh Ottawa sand.
 5. Pump 1000 gals 30# x-linked w/7 ppg of 16-30 mesh Ottawa sand.
 6. Pump 1000 gals 30# x-linked w/8 ppg of 16-30 mesh Ottawa sand.
 7. Flush w/slick 2% KCl water to top perf.
 - E. Shut in overnight.

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OXY USA Inc.
Polk A #1
Sec 17 T23S R28E
Eddy County, New Mexico

8. Open well to pit. Flow or swab if necessary, back load. Test zone until production has stabilized. Rel pkr POOH w/pkr and tbg.
9. RU wireline service. RU lubricator. RIH w/4" casing guns loaded w/premium charges. Perforate 2 SPF @ 5700-5720' (42 holes). RD wireline truck.
10. PU RBP & pkr. RIH on 2 7/8 tbg. Set RBP @ 5800'. PU & set pkr @ 5790'. Test RBP to 1000#. Rel pkr. POOH set pkr @ 5550'.
11. RU stimulating company. Put 1000# on backside. Acidize and frac Upper Delaware perfs 5700-5720' (42 holes) as follows:
 - A. Acidize w/2000 gals 15% NeFe acid 4-5 BPM using 84 7/8" ball sealers spaced evenly throughout, flushing w/2% KCl water to bottom perf.
 - B. Rel pkr TIH knock off balls.
 - C. PU and reset pkr @ 5550'. Pressure up backside to 1000#.
 - D. Frac w/14000 gals x-linked 2% KCl water and 52000# 16-30 mesh Ottawa sand flushing w/2% KCl water as follows:
 1. Pump 5000 gals 30# x-linked pad.
 2. Pump 1000 gals 30# x-linked w/2 ppg of 16-30 mesh Ottawa sand.
 3. Pump 2000 gals 30# x-linked w/4 ppg of 16-30 mesh Ottawa sand.
 4. Pump 2000 gals 3# x-linked w/6 ppg of 16-30 mesh Ottawa sand.
 5. Pump 2000 gals 30# x-linked w/7 ppg of 16-30 mesh Ottawa sand.
 6. Pump 2000 gals 30# x-linked w/8 ppg of 16-30 mesh Ottawa sand.
 7. Flush w/slick 2% KCl water to top perf.
 - E. Shut in overnight.
12. Open well to pit. Flow or swab if necessary backload. Test and evaluate zone.
13. Rel pkr. RIH and retrieve RBP. POOH w/pkr and RBP. RIH w/2 7/8 production tbg, 76 rod string and pump. Install pumping unit (M320-305-120). Start well pumping. Monitor production.
14. Reclaim 2 3/8 tbg, pkr and wellhead equipment.

OIL CONSERVATION DIVISION

Drawer DD

Artesia, N.M.

DISTRICT OFFICE TI

June thru December 1990

2196 T

NO.

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE July 17, 1990

PURPOSE ALLOWABLE ASSIGNMENT - TIGHT F

Effective July 1, 1990 a tertiary allowable of 500 barrels of oil is hereby assigned to OXY USA Inc., Pool A #13-17-23-28 in the East Delaware Pool for the month of July 1990.

MEV/ML

OXY USA Inc.

WTR

OIL CONSERVATION DIVISION


DISTRICT SUPERVISOR