

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

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

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

API NO. (assigned by OCD on New Wells)
30-025-07021

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.

3. Address of Operator

P.O. Box 50250 Midland, TX. 79710

7. Lease Name or Unit Agreement Name

Owen

8. Well No.

1

9. Pool name or Wildcat

Wantz Abo

4. Well Location

Unit Letter P : 660 Feet From The South Line and 660 Feet From The East Line

Section 35 Township 21S Range 37E NMPM Lea County

10. Proposed Depth

7155'

11. Formation

Abo

12. Rotary or C.T.

Completion Ut.

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

3368'

14. Kind & Status Plug Bond

Required/Approved

15. Drilling Contractor

Unknown

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#	293'	250	Surface
12 1/4"	9 5/8"	36#	2824'	1500	
7 3/8"	5 1/2"	15-17#	6411'	350	
4 7/8"	4"	11#	7523'	85	TL-6138'

TD - 7524' PBTD - 7509' Granite Wash perms 7426'-7490' Blinebry perms 5683'-5750'

It is proposed to plug & abandon the Blinebry formation and test the Abo formation in the following manner:

Please See Other Side.

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 David Stewart TITLE Production Accountant DATE 5/3/91

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 915-685-5717

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

Attachment C-101
OXY USA Inc.
Owen #1
Sec 35 T218 R37E
Lea County, New Mexico

1. MIRU PU. POOH w/ rods & pump. ND WH. NU BOP. Rel pkr & POOH w/ tbg & pkr.
2. RIH w/ 4-3/4" RB & 5-1/2" csg scraper on tbg to 6100'. POOH w/ tbg, scraper & RB. RIH w/ 5-1/2" RBP & 5-1/2" pkr on tbg & set RBP @ 6000'. PU to 5970', set pkr, & test RBP to 1000 psi. Dump 2 sx sand on top of RBP. Rel pkr & POOH w/ tbg & pkr.
3. RIH w/ 5-1/2" cmt retainer & set retainer @ 5580'. Pressure annulus to 500 psi. Establish injection rate and pressure into Blinbry perfs (5683'-5900'). Mix & pump 70 sx Class C cmt + 0.5% fluid loss polymer followed w/ 90 sx Class C neat cmt. Displace cmt w/ fresh wtr & stage pump cmt until a squeeze is obtained. Sting out of retainer & reverse excess cmt to pit. POOH w/ tbg. SDON.
4. RIH w/ 4-3/4" RB, 5-1/2" csg scraper & DC's on tbg. Test csg to 1000 psi. Drill out cmt retainer and cmt using produced wtr. Test csg to 300 psi. Clean out wellbore to RBP @ 6000'. POOH w/ tbg, DC's, scraper, & RB. RIH w/ RBP retrieving tool on tbg. Latch onto RBP & POOH w/ tbg & RBP.
5. RU wireline & install lubricator. RIH w/ 3-1/8" csg gun & perforate the Abo Formation w/ 2 JSPF at the following depths: 6596, 6598, 6699, 6700, 6717, 6732, 6734, 6736, 6748, 6754, 6762, 6775, 6783, 6788, 6802, 6810, 6836, 6898, 6907, 6909, 6910, 6919, 6933, 6936, 6939, 6941, 6966, 6974, 6976, 6977, 6984, 6986, 6989, 6993, 6994, 6996, 7020, 7022, 7039, 7045, 7052, 7058, 7070, 7141, 7153, 7154 & 7155. Total 47 feet (94 holes). Depth reference is Schlumberger Compensated Neutron Log dated 4/11/76. RD wireline.
6. RIH w/ 4" RBP & 4" treating pkr on tbg & set RBP @ 7300'. PU to 7270', set pkr, & test RBP to 1000 psi. Dump 2 sx sand on top of RBP. Rel pkr & PU to 7155'. Swab test. Report volumes recovered.
7. Spot 295 gals 20% NEFe HCl acid across Abo perfs. PU to 6550' & set pkr. Pressure annulus to 300 psi. Acidize Abo perfs w/ 5705 gals 20% NEFe HCl acid at 4 BPM using 150 ball sealers for diversion. Do not exceed WHTP of 3300 psi. Flush w/ 2% KCl wtr.
8. Swab test. Report volumes recovered.
9. Rel pkr & POOH w/ tbg & pkr.
10. RIH w/ production BHA, tbg, 5-1/2" TAC and tbg. Set btm of BHA @ 6570' w/ TAC @ +/- 6060'. ND BOP. NU WH. RIH w/ pump & rods. POP. Test & report volumes recovered. RD PU.
11. Wait to obtain commingling permit before retrieving 4" RBP.