

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-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: OXY USA Inc. P.O. Box 50250 Midland, TX 79710		OGRID Number 16696
		API Number 30 - 0 25-20379
Property Code 008639	Property Name State AO	Well No. 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	2	21S	36E	8	1980	North	660	East	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 Hardy Tubb-Drinkard Pool					¹⁰ Proposed Pool 2				

¹¹ Work Type Code D-E P	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3514'
¹⁶ Multiple No	¹⁷ Proposed Depth 7200'	¹⁸ Formation Tubb-Drinkard	¹⁹ Cementer N/A	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	429'	400'	Surface
12 1/4"	9 5/8"	36#	3695'	750	Surface
8 3/4"	5 1/2"	15.5-17#	7000'	1050	

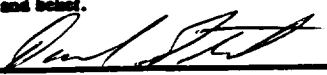

²² Describe the proposed program. If this application is to DEEFEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

TD-11050' PBTD-3675' Perfs-3544-3652'

It proposed to squeeze the Eumont Yates 7 Rvrs Queen (76480) & test the Tubb-Drinkard as follows:

See other side

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: David Stewart		Approved by: 	
Title: Regulatory Analyst		Title:	
Date: 9/7/95		Approval Date: SEP 8 1995 Expiration Date:	
Phone: 915-685-5717		Conditions of Approval: Attached <input type="checkbox"/>	

- 1.) MIRU pulling unit. Kill well w/ produced water. ND WH, NU BOP. TOO H w/ pkr and tbg.
- 2.) TIH w/ cmt retainer on 3 1/2" tbg and set cmt retainer @ +3450'. RU Halliburton and establish an injection rate through Penrose perfs (3544'-3652'). Squeeze Penrose perfs as per Halliburton recommendation. Pull out of retainer and reverse excess cmt to pit. TOO H w/ tbg. SION.
- 3.) RU reverse unit and mud pit. TIH w/ 8 3/4" RB, bit sub, stabilizer, and 10 - 4 3/4" Drill collars on 3 1/2" tbg and drill out cmt retainer and cmt. PU on bit, close BOP's and pressure test csg to 500#. Open BOP's, FIH w/ RB and tag CIBP @ 3675'. Drill out CIBP and cmt plug from 3680' to 3800'. Circ hole w/ mud with the following properties:

Weight : 8.7 to 8.9 ppg	Viscosity: 45 to 50 secs
Yield Point: 12 to 20	Water Loss: Less than 10 cc's

- 4.) FIH w/ RB and tag cmt plug @ 3950'. Circ hole w/ new mud and drill cmt plug from 3950' to 4000'.
- 5.) FIH w/ RB and tag cmt plug @ 5230'. Circ hole w/ new mud and drill cmt plug from 5230' to 5345'.
- 6.) FIH w/ RB and tag cmt plug @ 5760'. Circ hole w/ new mud and drill cmt plug from 5760' to 5870'.
- 7.) FIH w/ RB and tag cmt plug @ 6356'. Circ hole w/ new mud and drill cmt plug from 6356' to 6423'.
- 8.) FIH w/ RB and tag cmt plug @ 6978'. Circ hole w/ new mud and drill cmt plug from 6978' to 7045'. FIH to 7200', Circ and condition mud and hole. TOO H w/ RB, DC's, and tbg.
- 9.) RU Loggers, Run GR-DLL-MSFL-Caliper log and GR-CNL-Litho Density log from 7200' to 3695'. RD Loggers.
- 10.) Notify NMOCD. RU Casing crew and run 5 1/2" casing to 7000' as follows:

5 1/2" 17# N-80 LT&C Csg	0' - 1400'
5 1/2" 17# K-55 ST&C Csg	1400' - 2040'
5 1/2" 15.5# K-55 ST&C Csg	2040' - 6600'
5 1/2" 17# K-55 ST&C Csg	6600' - 7000'

Equipment to be used includes guide shoe, float collar, and 12 centralizers. Guide shoe and float collar should be thread locked and strap welded. Bottom 500' of casing should be sandblasted.

- 11.) RU cementers, Cement 5 1/2" csg by leading in with 370 sx Class C + 3% Econolite, and tailing in with 680 sx of 50/50 Class H/Poz A + 2% gel + 3 lb/sk salt. Set slips, cut off csg, and install wellhead. After 8 hours, run temperature survey to determine top of cement.
- 12.) Remainder of procedure to be determined & filed after logs have been obtained & evaluated.

RECEIVED
JUL 17 1965
OFFICE