

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

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

¹ Operator Name and Address OXY USA WTP Limited Partnership P.O. Box 50250 Midland, TX 79710-0250		² OGRID Number 192463
		³ API Number 30-015-31726
³ Property Code 27994	⁵ Property Name OXY Ruger State	⁶ Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	19S	28E		660	South	660	West	Eddy

Proposed 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

⁹ Proposed Pool 1 Undesignated Millman Morrow South 81365	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S - 648	¹⁵ Ground Level Elevation 3546'
¹⁶ Multiple No	¹⁷ Proposed Depth 10900'	¹⁸ Formation Morrow	¹⁹ Contractor UTI	²⁰ Spud Date 6/15/01

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	400'	360	Circulate
12-1/4"	8-5/8"	36#	3000'	850	Circulate
8-3/4"	5-1/2"	17#	10900'	675	8000'

22 Describe the proposed program. If this application is to DEEPEN 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.

SEE OTHER SIDE



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>David Stewart</i>		OIL CONSERVATION DIVISION <i>B6</i>	
Printed name: David Stewart		Approved by: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR	
Title: Regulatory Analyst		Title:	
Date: 4/25/01		Approval Date: APR 26 2001 Expiration Date: APR 26 2002	
Phone: 915-685-5717		Conditions of Approval: Attached <input type="checkbox"/>	

OXY Ruger State #1
660 FSL 660 FWL SWSW(M) SEC 9 T19S R28E
State Lease No. 648

PROPOSED TD: 10900' TVD

BOP PROGRAM: 0' - 400' None

400' - 3000' 13-3/8" 3M annular preventer to be used as
divertor only.

3000' - 10900' 11" 5M blind pipe rams with 5M annular
preventer and rotating head below 8000'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 400'
17-1/2" hole

Intermediate: 9-5/8" OD 36# K55 ST&C new casing from 0-3000'
12-1/4" hole

Production: 5-1/2" OD 17# N80-S95 LT&C new casing from 0-10900'
8-3/4" hole

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite
+ 2% CaCl₂ + .25#/sx Cello-Flake followed by 200sx Cl C w/ 2% CaCl₂.

Intermediate - Circulate cement with 650sx 35:65 POZ/C with 6%
Bentonite + 2% CaCl₂ + .25 #/sx Cello-Flake followed by 200sx Cl C
with 2% CaCl₂.

Production - Cement with 600sx 15:61:11 POZ/C/CSE with .5% FL-52
+ .5% FL-25 + 8#/sx Gilsonite followed by 75sx Cl C with .7%
FL-25.

Estimated top of cement is 8000'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD:

0 - 400' Fresh water/native mud. Lime for pH control
(9-10). Paper for seepage.
Wt 8.7-9.2 ppg, Vis 32-34 sec

400' - 3000' Fresh/*Brine water. Lime for pH control
(10.0-10.5). Paper for seepage.
Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec
*Fresh water will be used unless chlorides in
the mud system increases to 20000PPM.

3000' - 8000' Fresh water. Lime for pH control(9-9.5).
Paper for seepage.
Wt 8.4 ppg, Vis 28-29 sec

8000' - 9100' Cut brine. Lime for pH control (10-10.5).
Wt 9.6 - 10.0 ppg, Vis 28-29sec

9100' - 10900' Mud up with an Duo Vis/Flo Trol mud system.
Wt 10-10.2ppg, Vis 34-38sec, WL<8cc