

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 79710-0250		OGRID Number 16696
		API Number 30-015-30179
Property Code 23140	Property Name OXY CELTIC STATE	Well No. 1

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
B	16	17S	27E		660	North	1650	East	Eddy

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

Proposed Pool 1 Undesignated Logan Draw Morrow	Proposed Pool 2
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Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3405'
Multiple No	Proposed Depth 9400'	Formation Morrow	Contractor N/A	Spud Date 4/9/98

21 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'	420	Surface
11"	8-5/8"	24-32#	1800'	515	Surface
7-7/8"	4-1/2"	11.6#	9400'	640	6500'

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.

Exp Intent
4-5-99

SEE OTHER SIDE

RECEIVED
OCD - ARTESIA

Filed 10-1
NLC API
4-10-98

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: ORIGINAL SIGNED BY TIM W. GUM	
Title: Regulatory Analyst		Title: DISTRICT II SUPERVISOR	
Date: 3/26/98		Approval Date: 4-2-98	Expiration Date: 4-2-99
Phone: 915-685-5717		Conditions of Approval: Attached ☐	

ATTACHMENT C-101
OXY USA Inc.
OXY CELTIC STATE COM. #1
SEC 16 T17S R27E
Eddy County, NM

PROPOSED TD: 9400' TVD

BOP PROGRAM: 0' - 400' None
400'-1800' 13-3/8" 5M blind and pipe rams with 5M annular preventer.
1800'-9400' 13-3/8" 5M blind and pipe rams with 5M annular preventer and rotating head below 8500'.

CASING: 13-3/8" 48# H40 ST&C casing @ 400'. 17 1/2" hole.
8-5/8" 24-32# K55 ST&C casing @ 1800', 11" hole
4-1/2" 11.6# N80 LT&C casing @ 9400', 7-7/8" hole.

CEMENT: Surface - Circulate cement with 220sx 35/65 POZ/C w/2% CaCl_2 + 6% gel + .25#/sx Cello-seal followed by 200sx Cl C with 2% CaCl_2 .

Intermediate - Circulate cement with 315sx 35/65 POZ/C w/ 6% gel + 5% salt + .25#/sx Cello-seal followed by 200sx Cl C with 2% CaCl_2 . Cement volumes may be adjusted to fluid caliper.

Production - Cement with 640sx Super C Modified w/ .5#/sx Gilsonite + fluid loss additives and retarder. Estimated top of cement is 6500'. Cement volumes may be adjusted to hole caliper.

MUD: 0' - 400' FW/Native Mud. Lime for pH control (9-10).
Paper for seepage.
Wt. 8.7-9.2ppg, vis 32-34sec.
400' - 1800' Brine water. Caustic for pH control (10-10.5).
Paper for seepage.
Wt. 10-10.1ppg, vis 28-29sec.
1800' - 6000' Fresh water. Caustic for pH control (9-9.5).
Paper for seepage.
Wt. 8.4ppg, vis 28-29sec
6000' - 9000' Cut brine. Caustic for pH control (10-10.5).
Wt. 9.2-9.4ppg, vis 28-29sec
9000' - 9400' Mud up with a XCD Polymer system
Wt. 9-9.6ppg, vis 32-34sec WL 8cc.