

District I
PO Box 1900, 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 30-0 15-28938
Property Code 18847	Property Name OXY Spike	Well No. 1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	33	23S	26E		1980	North	660	East	Eddy

8 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
Undesignated Carlsbad Morrow, South					73960				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	R	P	3340'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	12100'	Morrow	N/A	4/20/96

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Seals of Cement	Estimated TOC
17-1/2"	13 3/8"	48#	400'	420	Surface
11"	8 5/8"	24-32#	3000'	980	Surface
7-7/8"	5 1/2"	17-20#	12100'	710	8500'

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

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APR 17 1996

OIL CON. DIV.

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

Signature:

David Stewart

Printed name:

David Stewart

Title:

Regulatory Analyst

Date:

4/16/96

Phone:

915-685-5717

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

4-17-96

Expiration Date:

4-17-96

Conditions of Approval:

Attached ☐

ATTACHMENT C-101
OXY USA Inc.
OXY Spike #1
SEC 33 T23S R26E
Eddy County, NM

PROPOSED TD: 12100' TVD

BOP PROGRAM: 0' - 400' None
400'-3000' 13-3/8" 5M blind and pipe rams with 5M annular preventer.
3000'-12100' 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 @ 3000', 11" hole
5-1/2" 17-20# N80 LT&C casing @ 12100', 7-7/8" hole.

CEMENT: Surface - Circulate cement with 220sx 65/35 POZ/C w/2% CaCl₂ + 6% gel + .25#/sx Cello-seal followed by 200sx Class C with 2% CaCl₂.
Intermediate - Circulate cement with 780sx POZ/C w/ 6% gel + 5#/sx salt + .25#/sx Cello-seal followed by 200sx Class C with 2% CaCl₂. Cement volumes may be adjusted to fluid caliper.
Production - Cement with 710sx Super C Modified w/ 5#/sx Gilsonite + fluid loss additives and retarder. Estimated top of cement is 8500'. Cement volumes may be adjusted to hole caliper.

MUD: 0' - 400' Fresh water spud mud. Lime for pH control (9 to 10). Paper for seepage. Wt. 8.7-9.2 ppg, vis 33-36 sec.
400' - 3000' Brine water/native mud. Lime for pH control (10-10.5). Paper for seepage. Wt. 10-10.1 ppg, vis 32-34 sec
3000' - 8500' Fresh water/native mud. Lime for pH control (9-9.5). Paper for seepage. Wt. 8.4 ppg, vis 26-28 sec
8500' - 12100' At 8500' displace hole w/ cut brine weighing 9.0-9.1 ppg. At 10000' mud up with an XCD Polymer/PAC system weighing 9.5 ppg. Increase mud wt to 10.0-10.2 ppg by 10400'. 42-48 sec funnel vis, WL less than 8cc.