

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 181220

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

1. Operator Name and Address OXY USA INC PO Box 4294 Houston, TX 77210		2. OGRID Number 16696
4. Property Code 39668		3. API Number 30-015-42062
5. Property Name CEDAR CANYON 16 STATE		6. Well No. 011H

7. Surface Location

UL - Lot C	Section 16	Township 24S	Range 29E	Lot Idn	Feet From 260	N/S Line N	Feet From 2060	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot N	Section 16	Township 24S	Range 29E	Lot Idn N	Feet From 350	N/S Line S	Feet From 1980	E/W Line W	County Eddy
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9. Pool Information

CEDAR CANYON;DELAWARE	11540
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2927
16. Multiple N	17. Proposed Depth 9606	18. Formation Brushy Canyon	19. Contractor	20. Spud Date 6/30/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	47	300	250	0
Int1	10.625	8.625	32	3000	820	0
Prod	7.875	5.5	17	9606	1010	2000

Casing/Cement Program: Additional Comments

Proposed Mud Program: 0-300' Fresh/Spud Mud - 300-3000' Fresh Water/NaCl Brine - 3000-9606' Cut Brine/Sweeps. BOP Program 13-5/8" 10M three ram stack w/ 5M annular, 5M choke manifold. Additional information will be sent along with the H2S plan.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	10000	
Annular	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Keith Barton Title: Regulatory Team Leader Email Address: keith_barton@oxy.com Date: 2/10/2014	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 2/11/2014 Expiration Date: 2/11/2016 Conditions of Approval Attached
Phone: 713-350-4959	

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-		Pool Code 11540		Pool Name Cedar Canyon Delaware					
Property Code		Property Name CEDAR CANYON 16 STATE						Well Number 11H	
OGRID No. 16696		Operator Name OXY U.S.A. INC.						Elevation 2927'	
Surface Location									
UL or lot No. C	Section 16	Township 24-S	Range 29-E	Lot Idn	Feet from the 260	North/South line NORTH	Feet from the 2060	East/West line WEST	County EDDY
Bottom Hole Location If Different From Surface									
UL or lot No. N	Section 16	Township 24-S	Range 29-E	Lot Idn	Feet from the 350	North/South line SOUTH	Feet from the 1980	East/West line WEST	County EDDY
Penetration Point Location									
UL or lot No. C	Section 16	Township 24-S	Range 29-E	Lot Idn	Feet from the 975	North/South line NORTH	Feet from the 2047.8	East/West line WEST	County EDDY
Dedicated Acres 160		Joint or Infill N		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>GRID AZ.=180°38'12" HORIZ. DIST.=714.9'</p> <p>2060'</p> <p>2047.8'</p> <p>330'</p> <p>330'</p> <p>330'</p> <p>1980'</p> <p>350'</p> <p>330'</p>	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=445388.5 N X=605898.2 E</p> <p>LAT.=32.224026° N LONG.=103.990886° W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>David Stewart</i> 2/10/14 Signature Date</p> <p>David Stewart Sr. Res. Adv. Printed Name</p> <p>David.Stewart@oxy.com E-mail Address</p>
	<p>PENETRATION POINT NAD 27 NME</p> <p>Y=444673.7 N X=605890.3 E</p> <p>LAT.=32.222061° N LONG.=103.990919° W</p>	
	<p>CORNER COORDINATES TABLE</p> <p>A - Y=445644.1 N, X=605160.0 E B - Y=445651.9 N, X=606482.7 E C - Y=440342.2 N, X=606516.2 E D - Y=440335.2 N, X=605192.3 E</p>	
	<p>BOTTOM HOLE LOCATION NAD 27 NME</p> <p>Y=440688.6 N X=605845.9 E</p> <p>LAT.=32.211107° N LONG.=103.991104° W</p>	
<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>SEPTEMBER 20, 2013</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor: <i>Garrett Eidson</i></p> <p>Garrett Eidson 12641 Professional Surveyor 3239</p> <p>ACK REL W.O. 13111048 JWSC W.O. 14 13.0070</p>		<p>SEPTEMBER 20, 2013</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor: <i>Garrett Eidson</i></p> <p>Garrett Eidson 12641 Professional Surveyor 3239</p>

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Form APD Comments

Permit 181220

PERMIT COMMENTS

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-015-42062
		Well: CEDAR CANYON 16 STATE #011H

Created By	Comment	Comment Date
STEWARTD	Penetration Point - 975 FNL 2048 FWL C Sec 16 T24S R29E - Lat:32.222061 Long:103.990919. A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility. The following well is permitted to drill in the following pool and formation. 1. Cedar Canyon 16 State #10H - 30-015-42055-Pierce Crossing Bone Spring, East (96473) 3rd Bone Spring-TVD 9843' Ut C-F-K-N	2/10/2014

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Form APD Conditions

Permit 181220

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-015-42062
		Well: CEDAR CANYON 16 STATE #011H

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string