

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-8161 Fax:(505) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-8178 Fax:(505) 334-8170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

**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 217818

**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 40389		3. API Number 30-015-43673
5. Property Name CEDAR CANYON 27 STATE COM		6. Well No. 010H

**7. Surface Location**

UL - Lot	D	Section	27	Township	24S	Range	29E	Lot Idn	D	Feet From	1154	N/S Line	N	Feet From	121	E/W Line	W	County	Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot	A	Section	27	Township	24S	Range	29E	Lot Idn	A	Feet From	355	N/S Line	N	Feet From	250	E/W Line	E	County	Eddy
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**9. Pool Information**

WILDCAT;WOLFCAMP OIL	96794
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2919
16. Multiple N	17. Proposed Depth 14757	18. Formation Wolfcamp	19. Contractor	20. Spud Date 7/1/2016
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	10.75	40.5	500	330	0
Int1	9.875	7.625	29.7	9013	2030	0
Prod	6.75	5.5	20	10400	580	8013
Prod	6.75	4.5	13.5	14757	580	10250

**Casing/Cement Program: Additional Comments**

Proposed Casing/Cementing Program: Intermediate 2 – Contingency DVT/ECP @ +/- 2950'. If cement circulates to surface during primary cementing operation, DVT cancellation cone will be run and 2nd stage cancelled. Proposed Production Casing consisting of 5-1/2" 20# P110 USF @ 0-10250' followed by 4-1/2" 13.5# P110 DQX @ 10250-14757'. Proposed Mud Program: 0-500' Spud Mud - 500-3000' Brine - 3000-9013' EnerSeal (MMH) - 9013'-TD Oil Based Mud. BOP Program: 13-5/8" 10M three ram stack w/ 5M annular preventer, 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:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Kelley Montgomery	Approved By: Randy Dade
Title: Manager Regulatory	Title: District Supervisor
Email Address: kelly_montgomery@oxy.com	Approved Date: 3/22/2016      Expiration Date: 3/22/2018
Date: 3/15/2016      Phone: 713-366-5716	Conditions of Approval Attached

WO# 151210WL-b (Rev. C) (KA)

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Form APD Comments

Permit 217818

**PERMIT COMMENTS**

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-015-43673
		Well: CEDAR CANYON 27 STATE COM #010H
Created By	Comment	Comment Date
stewartd	Top Perforated Interval: 355 FNL 340 FWL D 27-24S-29E - Lat: 32.1945759 Long: 103.9793010 Bottom Perforated Interval: 355 FNL 340 FEL A 27-24S-29E - Lat: 32.1945454 Long: 103.964386 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. A pilot hole will be drilled to +/- 11373', logged and plugged back to +/- 9300' w/ 345sx cmt. The horizontal lateral will be drill to the Wolfcamp to 10035'V 14757'M.	3/15/2016

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Form APD Conditions

Permit 217818

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210	API Number: 30-015-43673
	Well: CEDAR CANYON 27 STATE COM #010H

OCD Reviewer	Condition
kjones	Will require a directional survey with the C-104
kjones	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
kjones	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement.
kjones	SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- PRODUCTION CASING - Cement must tie back into intermediate casing.