

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) 334-8178 Fax:(505) 334-6170
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 199712

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 314192		3. API Number 30-025-42439
5. Property Name COPPERHEAD 18 DM CN STATE		6. Well No. 001H

7. Surface Location

UL - Lot	C	Section	18	Township	24S	Range	33E	Lot Idn	Feet From	150	N/S Line	N	Feet From	1420	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	N	Section	18	Township	24S	Range	33E	Lot Idn	N	Feet From	180	N/S Line	S	Feet From	1420	E/W Line	W	County	Lea
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9. Pool Information

TRIPLE X;BONE SPRING, WEST	96674
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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 3570
16. Multiple N	17. Proposed Depth 15785	18. Formation 2nd Bone Spring Carbonate	19. Contractor	20. Spud Date 3/10/2015
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	1216	740	0
Int1	10.625	8.625	32	5000	1265	0
Prod	7.875	5.5	17	15785	1545	4000

Casing/Cement Program: Additional Comments

Proposed Mud Program: 0-1216' Fresh Water/Spud Mud - 1216-5000' Fresh Water/NaCl Brine - 5000-15785' Cut Brine/Sweeps. 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.
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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 Teresa L Jackson Title: Regulatory Team Lead Email Address: Teresa_Jackson@oxy.com Date: 2/12/2015	<div style="text-align: center;">OIL CONSERVATION DIVISION</div> Approved By: Paul Kautz Title: Geologist Approved Date: 2/13/2015 Expiration Date: 2/13/2017 Conditions of Approval Attached
Phone: 713-366-5069	

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Form APD Comments

Permit 199712

PERMIT COMMENTS

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-42439
		Well: COPPERHEAD 18 DM CN STATE #001H

Created By	Comment	Comment Date
STEWARTD	Top Perforated Interval: 330 FNL 1420 FWL C 18-24S-33E - Lat: 32.2239144 Long: 103.6147288. Bottom Perforated Interval: 330 FSL 1420 FWL N 18-24S-33E - Lat: 32.2112115 Long: 103.6147406. 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.	2/12/2015
STEWARTD	The wells listed below are either permitted, drilled, or completed in the following pool(s) and formation(s). 1. Copperhead 18 ST #3H – 30-025-41461 – Triple X Bone Spring, W. (96674) 2nd Bone Spring – TVD 11075' Ut C-F-K-N. 1. Copperhead 18 CN St #1H – 30-025-42345 – Triple X Bone Spring, W. (96674) 1st Bone Spring – TVD 9530' Ut C-F-K-N. A NSL application is being prepared and will be filed the week of 2/16/15.	2/12/2015

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Form APD Conditions

Permit 199712

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-42439
		Well: COPPERHEAD 18 DM CN STATE #001H
OCD Reviewer	Condition	
DMULL	Will require a directional survey with the C-104	
DMULL	Will require a administrative order for non-standard location prior to placing the well on production.	
DMULL	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	
pkautz	1) SURFACE & INTERNEMATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --	
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement	
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water	