

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 175552

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 305098		3. API Number 30-025-41460
5. Property Name COPPERHEAD 18 STATE		6. Well No. 002H

7. Surface Location

UL - Lot D	Section 18	Township 24S	Range 33E	Lot Idn 1	Feet From 340	N/S Line N	Feet From 660	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot M	Section 18	Township 24S	Range 33E	Lot Idn 4	Feet From 340	N/S Line S	Feet From 660	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 15148	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 1/6/2014
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	1200	760	0
Int1	10.625	8.625	32	5050	1260	0
Prod	7.875	5.5	17	15148	1420	4000

Casing/Cement Program: Additional Comments

A pilot hole will be drilled to the 3rd Bone Spring @ +/-11300', logged and plugged back to +/-9700' w/ 765sx cmt. The lateral will be drilled to the 2nd Bone Spring to 10/855'V 15148'M. Proposed Mud Program: 0-1200' Fresh Water/Spud Mud - 1200-5050' Fresh Water/NaCl Brine - 5050-11300' Cut Brine/Sweeps - 10000-15148' Duo Vis/Salt Gell/Starch/Pac. 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: _____ Printed Name: Electronically filed by Keith Barton Title: Regulatory Team Leader Email Address: keith_barton@oxy.com Date: 10/21/2013	<p style="text-align: center;">OIL CONSERVATION DIVISION</p> Approved By: Paul Kautz Title: Geologist Approved Date: 10/22/2013 Expiration Date: 10/22/2015 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, NM 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 30-025-	Pool Code 96674	Pool Name Tuiple & Bone Springs, West
Property Code	Property Name COPPERHEAD "18" STATE	Well Number 2H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3569.5'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	24 SOUTH	33 EAST, N.M.P.M.		340'	NORTH	660'	WEST	LEA

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
4	18	24 SOUTH	33 EAST, N.M.P.M.		340'	SOUTH	660'	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	N		

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>SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=445907.5 X=721463.2 LAT.: N 32.2238880° LONG.: W 103.6171862°</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order.</p> <p>Hereby entered by the division.</p> <p><i>David Stewart</i> 10/17/13 Signature Date</p> <p>David Stewart Sr. Reg. d.d.v. Printed Name</p> <p>dauid_stewart@oxy.com E-mail Address</p>
	<p>BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=441306.3 X=721490.3 LAT.: N 32.2112398° LONG.: W 103.6171977°</p>	

WO# 130827WL-a (Rev. A) (KA)

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Form APD Comments

Permit 175552

PERMIT COMMENTS

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-41460
		Well: COPPERHEAD 18 STATE #002H
Created By	Comment	Comment Date
pkautz	Land s/S	10/22/2013

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Form APD Conditions
 Permit 175552

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-41460
		Well: COPPERHEAD 18 STATE #002H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	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	Surface casing must be set 25' below top Rustler Anhydrite in order to seal off protectable water
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines