

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) 334-6170
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 197084

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 313991		3. API Number 30-025-42345
5. Property Name COPPERHEAD 18 CN STATE		6. Well No. 001H

7. Surface Location

UL - Lot	C	Section	18	Township	24S	Range	33E	Lot Idn	Feet From	30	N/S Line	N	Feet From	1370	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	1700	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 14284	18. Formation 1st Bone Spring Sand	19. Contractor	20. Spud Date 2/10/2015
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	1230	765	0
Int1	10.625	8.625	32	5050	1260	0
Prod	7.875	5.5	17	14284	1320	4000

Casing/Cement Program: Additional Comments

Proposed Mud Program: 0-1230' Fresh Water/Spud Mud - 1230-5050' Fresh Water/NaCl Brine - 5050-14284' 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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: _____ Printed Name: Electronically filed by Teresa L Jackson Title: _____ Email Address: Teresa_Jackson@oxy.com Date: 12/17/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 12/18/2014 Expiration Date: 12/18/2016 Conditions of Approval Attached
Phone: 713-366-5069	

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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 Triple X Bone Springs, West
Property Code 305698	Property Name COPPERHEAD "18" CN STATE	Well Number 1H
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3569.9'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	24 SOUTH	33 EAST, N.M.P.M.		30'	NORTH	1370'	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
N	18	24 SOUTH	33 EAST, N.M.P.M.		180'	SOUTH	1700'	WEST	LEA
Dedicated Acres 160		Joint or Infill YES	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.

	SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=446221.89 US FT X=722171.30 US FT LAT.: N 32.2247391° LONG.: W 103.6148897°	OPERATOR CERTIFICATION 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 heretofore entered by the division. Signature: <u>David Stewart</u> Date: <u>12/17/14</u> Printed Name: <u>David Stewart</u> E-mail Address: <u>david_stewart@oxy.com</u>	
	TOP PERF. NEW MEXICO EAST NAD 1927 Y=445913.37 US FT X=722411.45 US FT LAT.: N 32.2238867° LONG.: W 103.6141199°		SURVEYOR CERTIFICATION 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. Signature and Seal: <u>Terry J. Asch</u> Date of Survey: <u>OCTOBER 28, 2014</u> Professional Surveyor Certificate Number: <u>15079</u> WO# 141028WL-g (KA)
	BOTTOM PERF. NEW MEXICO EAST NAD 1927 Y=441312.82 US FT X=722527.17 US FT LAT.: N 32.2112386° LONG.: W 103.6138453°		
	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=441152.84 US FT X=722531.20 US FT LAT.: N 32.2107988° LONG.: W 103.6138357°		

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Form APD Comments

Permit 197084

PERMIT COMMENTS

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-42345
		Well: COPPERHEAD 18 CN STATE #001H

Created By	Comment	Comment Date
STEWARTD	Top Perforated Interval: 340 FNL 1608 FWL C 18-24S-33E - Lat: 32.2238867 Long: 103.6141199 Bottom Perforated Interval: 340 FSL 1697 FWL N 18-24S-33E - Lat: 32.2112386 Long: 103.6138453 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.	12/17/2014
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.	12/17/2014

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Form APD Conditions

Permit 197084

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-42345
		Well: COPPERHEAD 18 CN STATE #001H
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.	
pkautz	1) SURFACE & INTERMEDIATE 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	