

**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 190647

**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 313586		3. API Number 30-025-42043
5. Property Name NBR 18 STATE		6. Well No. 004H

**7. Surface Location**

UL - Lot	N	Section	7	Township	22S	Range	33E	Lot Idn	Feet From	370	N/S Line	S	Feet From	1720	E/W Line	W	County	Lea
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**8. Proposed Bottom Hole Location**

UL - Lot	N	Section	18	Township	22S	Range	33E	Lot Idn	N	Feet From	180	N/S Line	S	Feet From	1720	E/W Line	W	County	Lea
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**9. Pool Information**

RED TANK;BONE SPRING, EAST	51687
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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 3609
16. Multiple N	17. Proposed Depth 15183	18. Formation 1st Bone Spring Sand	19. Contractor	20. Spud Date 11/1/2014
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	975	760	0
Int1	10.625	8.625	32	4825	820	0
Prod	7.875	5.5	17	15183	1490	3825

**Casing/Cement Program: Additional Comments**

Proposed Mud Program: 0-975' Fresh Water/Spud Mud - 975-4825' Fresh Water/NaCl Brine - 4825-15183' 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.
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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: Karen M Sinard Title: _____ Email Address: karen_sinard@oxy.com Date: 8/12/2014	<b>OIL CONSERVATION DIVISION</b>  Approved By: Paul Kautz Title: Geologist Approved Date: 8/14/2014 Expiration Date: 8/14/2016 Conditions of Approval Attached
Phone: 713-366-5485	

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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 <b>30-025-</b>	Pool Code <b>51687</b>	Pool Name <b>Red Tank Bone Springs, East</b>
Property Code	Property Name <b>NBR "18" STATE</b>	Well Number <b>4H</b>
OGRID No. <b>16696</b>	Operator Name <b>OXY USA INC.</b>	Elevation <b>3609.2'</b>

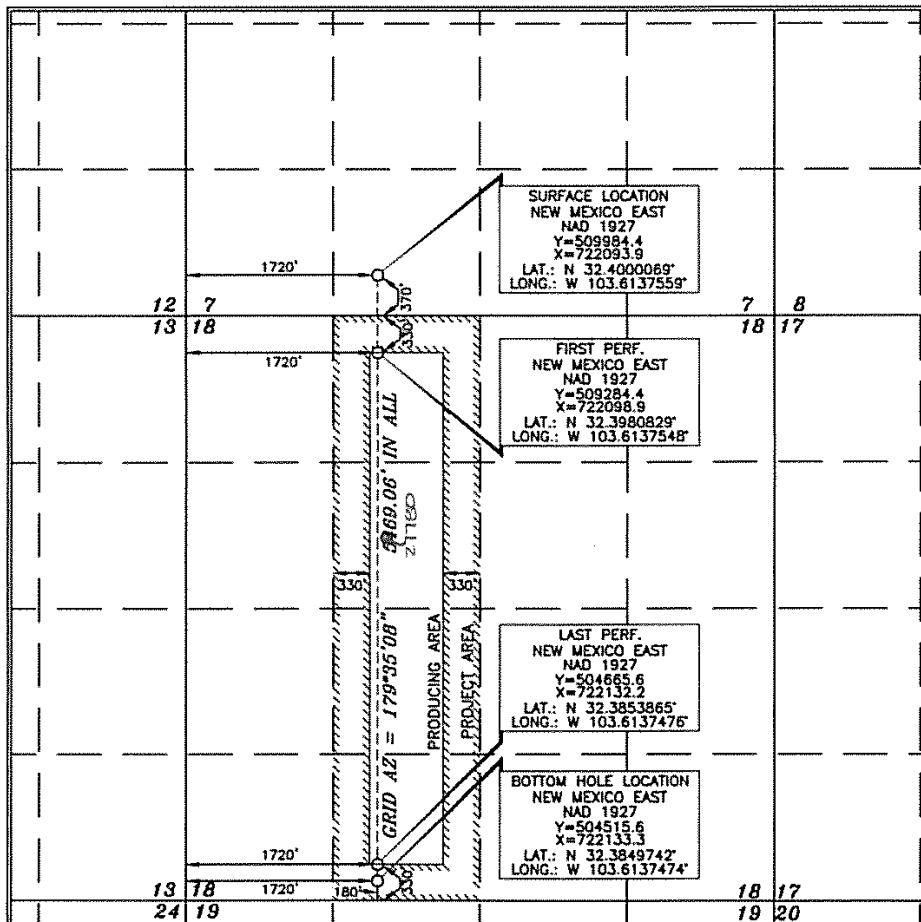
**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>N</b>	<b>7</b>	<b>22 SOUTH</b>	<b>33 EAST, N.M.P.M.</b>		<b>370'</b>	<b>SOUTH</b>	<b>1720'</b>	<b>WEST</b>	<b>LEA</b>

**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
<b>N</b>	<b>18</b>	<b>22 SOUTH</b>	<b>33 EAST, N.M.P.M.</b>		<b>180'</b>	<b>SOUTH</b>	<b>1720'</b>	<b>WEST</b>	<b>LEA</b>
Dedicated Acres <b>1.60</b>	Joint or Infill <b>N</b>	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.



**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 *[Signature]* Date **6/12/14**  
Printed Name **David Stewart Sr. Reg. Adv.**  
E-mail Address **david.stewart@oxy.com**

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey **MAY 21 2014**  
Signature and Seal of Professional Surveyor *[Signature]*

Certificate Number **15079**  
WO# 120925WL-c (Rev. C) (KA)

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Form APD Comments

Permit 190647

**PERMIT COMMENTS**

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210		API Number: 30-025-42043
		Well: NBR 18 STATE #004H
Created By	Comment	Comment Date
STEWARTD	Top Producing Interval-330 FNL 1720 FWL (C) 18-22S-33E - Lat:32.3980829 Long:103.6137548. - Bottom Producing Interval-330 FSL 1720 FWL (N) 18-22S-33E - Lat:32.3853865 Long:103.6137476. - 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.	8/12/2014

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Form APD Conditions

Permit 190647

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: OXY USA INC [16696] PO Box 4294 Houston, TX 77210	API Number: 30-025-42043
	Well: NBR 18 STATE #004H

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --