

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 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 271501

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address OXY USA INC P.O. Box 4294 Houston, TX 77210-4294		2. OGRID Number 16696
4. Property Code 326058		3. API Number 30-015-46240
5. Property Name VANADIUM 32 STATE		6. Well No. 177H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	29	23S	31E		515	S	980	E	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	32	23S	31E	P	20	S	440	E	Eddy

**9. Pool Information**

INGLE WELLS;BONE SPRING	33740
-------------------------	-------

**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Federal	15. Ground Level Elevation 3361
16. Multiple N	17. Proposed Depth 15400	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 9/15/2019
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	17.5	13.375	54.5	454	486	0
Int1	12.25	9.625	40	4212	980	0
Prod	8.5	5.5	20	15400	1301	9300

**Casing/Cement Program: Additional Comments**

\*Oxy requests the option to run the 7.625" Intermediate II as a contingency string to be run only if severe hole conditions dictate an additional casing string necessary. \*Oxy requests the option to run production casing with DQX and/or SF TORQ connections to accommodate hole conditions or drilling operations. \*Contingency design will only be employed if Oxy elects to run 7.625" Intermediate II string. \*Proposed Mud Program: 0-454' Water Based, 454'-4212' Saturated Brine Based Mud, 4212'-15400' Saturated Brine Based or Oil - Based Mud. BOP Program: 135/8 10M three ram stack with 5M annular preventer, 10M choke manifold. Additional information will be sent along with the H2S and Gas Capture Plan.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Blind	5000	5000	
Pipe	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. <b>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.</b>  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by KELLEY MONTGOMERY	Approved By: Raymond Podany
Title: Manager Regulatory	Title: Geologist
Email Address: kelley_montgomery@oxy.com	Approved Date: 8/26/2019      Expiration Date: 8/26/2021
Date: 8/26/2019      Phone: 713-366-5716	Conditions of Approval Attached

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 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 Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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	Pool Code 33740	Pool Name Ingle Well Base Spring
Property Code	Property Name VANADIUM "32" STATE	Well Number 177H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3361.2'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	23 SOUTH	31 EAST, N.M.P.M.		515'	SOUTH	980'	EAST	EDDY

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
P	32	23 SOUTH	31 EAST, N.M.P.M.		20'	SOUTH	440'	EAST	EDDY

Dedicated Acres 320	Joint or Infill	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.

<p><b>SURFACE LOCATION</b> NEW MEXICO EAST NAD 1983 Y=462229.58 US FT X=707891.15 US FT LAT.: N 32.2695943° LONG.: W 103.7944635°</p>		<p><b>KICK OFF POINT</b> NEW MEXICO EAST NAD 1983 Y=461667.37 US FT X=708434.82 US FT LAT.: N 32.2680414° LONG.: W 103.7927138°</p>		<p><b>FIRST TAKE POINT</b> NEW MEXICO EAST NAD 1983 Y=461617.37 US FT X=708435.12 US FT LAT.: N 32.2679039° LONG.: W 103.7927138°</p>		<p><b>LAST TAKE POINT</b> NEW MEXICO EAST NAD 1983 Y=456535.48 US FT X=708465.97 US FT LAT.: N 32.2539346° LONG.: W 103.7926966°</p>		<p><b>BOTTOM HOLE LOCATION</b> NEW MEXICO EAST NAD 1983 Y=456455.48 US FT X=708466.46 US FT LAT.: N 32.2537146° LONG.: W 103.7926963°</p>		<p><b>OPERATOR CERTIFICATION</b> 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: Sarah Chapman Printed Name: Sarah Chapman E-mail Address: sarah_chapman@oxy.com Date: 8/23/19</p>		<p><b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from the best of 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: AUGUST 7, 2019 Signature and Seal: Terry J. Abel Professional Surveyor: 15079 Certificate Number: 15079 Date: 8/14/2019</p>	
<p>30 29 31 32</p>		<p>28 33</p>		<p>20 5</p>		<p>4</p>		<p>WO# 190807WL (KA)</p>					

Intent ☒ As Drilled ☐

API #

Operator Name: <i>Oxy USA Inc.</i>	Property Name: <i>Vanadium 32 State</i>	Well Number <i>177H</i>
---------------------------------------	--	----------------------------

Kick Off Point (KOP)

UL <i>A</i>	Section <i>32</i>	Township <i>23S</i>	Range <i>31E</i>	Lot	Feet <i>50</i>	From N/S <i>NORTH</i>	Feet <i>440</i>	From E/W <i>east</i>	County <i>EDDY</i>
Latitude <i>32.2680414</i>					Longitude <i>-103.7927138</i>				NAD <i>NAD83</i>

First Take Point (FTP)

UL <i>A</i>	Section <i>32</i>	Township <i>23S</i>	Range <i>31E</i>	Lot	Feet <i>100</i>	From N/S <i>NORTH</i>	Feet <i>440</i>	From E/W <i>east</i>	County <i>EDDY</i>
Latitude <i>32.2679039</i>					Longitude <i>-103.7927136</i>				NAD <i>NAD83</i>

Last Take Point (LTP)

UL <i>P</i>	Section <i>32</i>	Township <i>23S</i>	Range <i>31E</i>	Lot	Feet <i>100</i>	From N/S <i>South</i>	Feet <i>440</i>	From E/W <i>east</i>	County <i>EDDY</i>
Latitude <i>32.2539346</i>					Longitude <i>-103.7926966</i>				NAD <i>NAD83</i>

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 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 APD Comments  
 Permit 271501

**PERMIT COMMENTS**

Operator Name and Address: OXY USA INC [16696] P.O. Box 4294 Houston, TX 77210-4294		API Number: 30-015-46240
		Well: VANADIUM 32 STATE #177H

  

Created By	Comment	Comment Date
schapman	First Take Point/Top Perforated Interval: 100' FNL 440' FEL NENE 32-T23S-R31E EDDY COUNTY Lat. 32.2680414 Long. - 103.7927138 (NAD83). Last Take Point/Bottom Perforated Interval: 100' FSL 440' FEL SESE 313-T23SR31E EDDY COUNTY Lat. 32.2539346 Long. - 103.7926966 (NAD83). A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cutting will be disposed of at an approved facility.	8/23/2019
rpodany	Bad BHL input. Both BHL inputs on completion page should be same BHL. Wrong section selected as producing Sec 29 and none selected in section 32 where lateral is.	8/23/2019
schapman	I have updated. Please let me know if there is anything else. Thank you.	8/26/2019
rpodany	GAS CAPTURE PLAN needed	8/26/2019

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 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 APD Conditions

Permit 271501

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: OXY USA INC [16696] P.O. Box 4294 Houston, TX 77210-4294	API Number: 30-015-46240
	Well: VANADIUM 32 STATE #177H
OCD Reviewer	Condition