

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 254349

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 27111		3. API Number 30-021-20683
5. Property Name BRAVO DOME CARBON DIOXIDE GAS UNIT		6. Well No. 181J

7. Surface Location

UL - Lot J	Section 18	Township 21N	Range 30E	Lot Idn J	Feet From 1780	N/S Line S	Feet From 2296	E/W Line E	County Harding
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	-------------------	---------------	-------------------

8. Proposed Bottom Hole Location

UL - Lot J	Section 18	Township 21N	Range 30E	Lot Idn J	Feet From 1780	N/S Line S	Feet From 2296	E/W Line E	County Harding
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	-------------------	---------------	-------------------

9. Pool Information

96010	96010
-------	-------

Additional Well Information

11. Work Type New Well	12. Well Type CO2	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 5378
16. Multiple N	17. Proposed Depth 2800	18. Formation Tubb	19. Contractor	20. Spud Date 8/1/2018
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	1400	600	0
Int1	10.625	8.625	32	2660	350	0
Prod	7.875	5.5	20	2785	480	0

Casing/Cement Program: Additional Comments

--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3000	

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 KELLEY MONTGOMERY Title: Manager Regulatory Email Address: kelley_montgomery@oxy.com Date: 7/2/2018	<div style="text-align: center;">OIL CONSERVATION DIVISION</div> Approved By: William V Jones Title: OCD District IV Supervisor Approved Date: 7/16/2018 Expiration Date: 7/16/2020 Conditions of Approval Attached
--	--

District I
1025 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 South First, 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) 476-3460 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 96010	Pool Name BRAVO DOME CARBON DIOXIDE GAS 640
Property Code 27111	Property Name BRAVO DOME CARBON DIOXIDE GAS UNIT	Well Number 181
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 5377.8

Surface Location

UL or lot no. J	Section 18	Township 21 NORTH	Range 30 EAST, N.M.P.M.	Lot Idn.	Feet from the 1780'	North/South line SOUTH	Feet from the 2296'	East / West line EAST	County HARDING
--------------------	---------------	----------------------	----------------------------	----------	------------------------	---------------------------	------------------------	--------------------------	-------------------

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
Dedicated Acres	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>(NAD 83)</p> <p>18</p> <p>SURFACE LOCATION NEW MEXICO, EAST NAD 1983 Y=1836871.02 US FT X=703556.78 US FT LAT. N 36° 02' 49.45" LONG. W 103° 47' 04.95"</p> <p>1</p> <p>2296'</p> <p>1780'</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 heretofore entered by the division.</p> <p><i>Sharon Wyatt</i> 6/18/18 Signature Date Sharon Wyatt Printed Name sharon_wyatt@oxy.com E-mail Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: JUNE 2, 2018 Signature and Seal of Professional Surveyor <i>Terry J. Al</i> 6/18/2018 Certificate Number 15079</p>

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 254349

PERMIT COMMENTS

Operator Name and Address: OXY USA INC [16696] P.O. Box 4294 Houston , TX 77210-4294		API Number: 30-021-20683
		Well: BRAVO DOME CARBON DIOXIDE GAS UNIT #181J

Created By	Comment	Comment Date
------------	---------	--------------

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 254349

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: OXY USA INC [16696] P.O. Box 4294 Houston , TX 77210-4294	API Number: 30-021-20683
	Well: BRAVO DOME CARBON DIOXIDE GAS UNIT #181J

OCD Reviewer	Condition
wvjones	Pit construction and closure must satisfy all requirements of your approved plan.
wvjones	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
wvjones	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
wvjones	Deviation survey must be certified and submitted. Directional survey if the well deviates more than rules allow. Gas Capture Plan is required per the new rule. Frac disclosure must be submitted if the well is hydraulically fractured. Surface Casing must circulate with cement. Stage Tools must be reported if used. Report all water zones and all lost circulation zones. The Operator is to notify NMOCD by sundry (Form C-103 within 10 days of the well being spud. If intermediate or production casin