

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 188815

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

1. Operator Name and Address WHITING OIL AND GAS CORPORATION 400 W. Illinois Midland, TX 79701		2. OGRID Number 25078
		3. API Number 30-021-20648
4. Property Code 313463	5. Property Name THORNTON 2027	6. Well No. 331

7. Surface Location

UL - Lot G	Section 33	Township 20N	Range 27E	Lot Idn	Feet From 1674	N/S Line N	Feet From 1754	E/W Line E	County Harding
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8. Proposed Bottom Hole Location

UL - Lot G	Section 33	Township 20N	Range 27E	Lot Idn G	Feet From 1674	N/S Line N	Feet From 1754	E/W Line E	County Harding
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9. Pool Information

BRAVO DOME CARBON DIOXIDE GAS 640	96010
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Additional Well Information

11. Work Type New Well	12. Well Type CO2	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 5694
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 7/31/2014
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	12.25	9.625	36	750	500	0
Prod	8.75	5.5	15.5	3800	450	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	REGAN TAURUS

<p>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.</p> <p>Signature:</p> <p>Printed Name: Electronically filed by Kay Maddox</p> <p>Title: Regulatory Agent</p> <p>Email Address: kay.maddox@whiting.com</p> <p>Date: 7/8/2014</p> <p>Phone: 432-686-6709</p>	<p style="text-align: center;">OIL CONSERVATION DIVISION</p> <p>Approved By: Charlie Perrin</p> <p>Title: District Supervisor</p> <p>Approved Date: 7/10/2014</p> <p>Expiration Date: 7/10/2016</p> <p>Conditions of Approval Attached</p>
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DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

Energy, Minerals, and Natural Resources Department

Revised October 12, 2005

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 9601D	³ Pool Name BRAVO DOME CARBON DIOXIDE GAS (640)
⁴ Property Code	⁵ Property Name THORNTON 2027	⁶ Well Number 331
⁷ GRID No. 25078	⁸ Operator Name WHITING OIL & GAS CORPORATION	⁹ Elevation 5694'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	33	20 NORTH	27 EAST, N.M.P.M.		1674'	NORTH	1754'	EAST	HARDING

¹¹Bottom 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
¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶	<div>NAD 27 NME ZONE X:577521 Y:1790928 LAT:35°55'19.09" LON:-104°04'17.44"</div>	<div>1674'</div>	<div>1754'</div>	<p>¹⁷ 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>Kay Maddox</i> 7/8/2014 Signature Date KAY MADDOX Printed Name</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MAY 14, 2014 Date of Survey Signature and Seal of Professional Surveyor</p> <p>V. LYNN BEZNER NO.7920 PROFESSIONAL LAND SURVEYOR</p> <p>Certificate Number V. Lynn Bezner P.S. #7920</p> <p>FILE:LO_THORNTON_2027_33_1 K.Y.</p>
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Santa Fe, NM 87505

Form APD Comments

Permit 188815

PERMIT COMMENTS

Operator Name and Address: WHITING OIL AND GAS CORPORATION [25078] 400 W. Illinois Midland, TX 79701		API Number: 30-021-20648
		Well: THORNTON 2027 #331

Created By	Comment	Comment Date
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Form APD Conditions

Permit 188815

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: WHITING OIL AND GAS CORPORATION [25078] 400 W. Illinois Midland, TX 79701	API Number: 30-021-20648
	Well: THORNTON 2027 #331
OCD Reviewer	Condition