

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) 334-8178 Fax:(505) 334-8170
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 193971

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

1. Operator Name and Address MARSHALL & WINSTON INC PO BOX 50880 MIDLAND, TX 79710		2. OGRID Number 14187
4. Property Code 313327		3. API Number 30-025-42202
5. Property Name SLICK MESA 27 STATE		6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	27	21S	34E	M	531	S	660	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	27	21S	34E	D	330	N	660	W	Lea

9. Pool Information

GRAMA RIDGE;BONE SPRING, NE	28435
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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 3716
16. Multiple N	17. Proposed Depth 15454	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 12/15/2014
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	17.5	13.375	54.5	1500	870	0
Int1	12.25	9.625	40	5300	1020	0
Prod	8.75	7	26	11512	1760	0
Liner1	6.125	4.5	13.5	15454	400	10600

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

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 Sherry Roberts Title: Operations Secretary Email Address: sroberts@mar-win.com Date: 10/21/2014 Phone: 432-684-6373	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 10/22/2014 Expiration Date: 10/22/2016 Conditions of Approval Attached
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Form C-102
August 1, 2011
Permit 193971

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42202	2. Pool Code 28435	3. Pool Name GRAMA RIDGE;BONE SPRING, NE
4. Property Code 313327	5. Property Name SLICK MESA 27 STATE	6. Well No. 002H
7. OGRID No. 14187	8. Operator Name MARSHALL & WINSTON INC	9. Elevation 3716

10. Surface Location

UL - Lot M	Section 27	Township 21S	Range 34E	Lot Idn M	Feet From 531	N/S Line S	Feet From 660	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 27	Township 21S	Range 34E	Lot Idn D	Feet From 531	N/S Line S	Feet From 660	E/W Line W	County Lea
12. Dedicated Acres 160.00	13. Joint or Infill		14. Consolidation Code				15. 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

<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> </table>																	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>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(s) 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.</i></p> <p>E-Signed By: Sherry Roberts Title: Operations Secretary Date: 10/21/2014</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Surveyed By: Ronald Eidson Date of Survey: 7/31/2013 Certificate Number: 3239</p>

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Form APD Comments

 Permit 193971

PERMIT COMMENTS

Operator Name and Address: MARSHALL & WINSTON INC [14187] PO BOX 50880 MIDLAND , TX 79710		API Number: 30-025-42202
		Well: SLICK MESA 27 STATE #002H
Created By	Comment	Comment Date
SROBERTS	Hard copy Plat, Survey Design & Wellbore Design were emailed to Paul Kautz, 10/10/14.	10/10/2014

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Form APD Conditions

Permit 193971

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARSHALL & WINSTON INC [14187] PO BOX 50880 MIDLAND , TX 79710	API Number: 30-025-42202
	Well: SLICK MESA 27 STATE #002H

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	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing -- 3) Liner -- Cement must tie back into production casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
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.