

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 187679

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

1. Operator Name and Address MEMORIAL PRODUCTION OPERATING, LLC 1301 McKinney Suite 2100 Houston, TX 77010		2. OGRID Number 303900
4. Property Code 312893		3. API Number 30-015-42434
5. Property Name Merrill		6. Well No. 005

7. Surface Location

UL - Lot A	Section 34	Township 18S	Range 26E	Lot Idn	Feet From 990	N/S Line N	Feet From 330	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot A	Section 34	Township 18S	Range 26E	Lot Idn A	Feet From 990	N/S Line N	Feet From 330	E/W Line E	County Eddy
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9. Pool Information

ATOKA;GLORIETA-YESO	3250
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3339
16. Multiple N	17. Proposed Depth 4000	18. Formation Yeso	19. Contractor	20. Spud Date 8/15/2014
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	12.25	8.625	24	900	550	0
Prod	7.875	5.5	15.5	4000	675	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	2000	SHAFFER
Annular	3000	1500	SHAFFER

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 type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Linda Johnston Title: Agent Email Address: stateoilreports@satx.rr.com Date: 6/13/2014	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 6/17/2014 Expiration Date: 6/17/2016 Conditions of Approval Attached
Phone: 830-964-5963	

625 N. French Dr., Hobbs, NM 88240
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 District III
 900 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
 District IV
 220 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 O-102

Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name MERRILL		⁶ Well Number 5
⁷ OGRID No.	⁸ Operator Name MEMORIAL PRODUCTION OPERATING, LLC		⁹ Elevation 3339

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	18 S	26 E		990	NORTH	330	EAST	EDDY

¹¹ 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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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>¹⁷ 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.</p>
		<p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
<p align="center">SECTION 34</p>		<p>¹⁸ SURVEYOR CERTIFICATION 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>Date of Survey: <u>MARCH 14, 2011</u></p> <p>Signature and Seal of Professional Surveyor: Certificate Number 7911 9/2/11 Jesse M. Martin</p>

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments
Permit 187679

PERMIT COMMENTS

Operator Name and Address: MEMORIAL PRODUCTION OPERATING, LLC [303900] 1301 McKinney Suite 2100 Houston, TX 77010		API Number: 30-015-42434
		Well: Merrill #005
Created By	Comment	Comment Date
CSHAPARD	Land p/P	6/16/2014

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Form APD Conditions
Permit 187679

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MEMORIAL PRODUCTION OPERATING, LLC [303900] 1301 McKinney Suite 2100 Houston, TX 77010		API Number: 30-015-42434
		Well: Merrill #005

OCD Reviewer	Condition
CSHAPARD	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