

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 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 183644

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

1. Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211		2. OGRID Number 13837
		3. API Number 30-025-41758
4. Property Code 17335	5. Property Name LEA KG STATE	6. Well No. 011

7. Surface Location

UL - Lot A	Section 35	Township 17S	Range 33E	Lot Idn	Feet From 330	N/S Line N	Feet From 330	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 35	Township 17S	Range 33E	Lot Idn A	Feet From 330	N/S Line N	Feet From 330	E/W Line E	County Lea
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9. Pool Information

VACUUM;GRAYBURG-SAN ANDRES	62180
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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 4126
16. Multiple N	17. Proposed Depth 5000	18. Formation San Andres	19. Contractor	20. Spud Date 4/2/2014
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	32	1450	700	0
Prod	7.875	5.5	17	5000	675	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill 12 1/4" hole to 1450', run 8 5/8" casing, circ cement to surface. Drill a 7 7/8" hole to 5,000', run 5 1/2" casing, circ cement to surface. Put well on production.


22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	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 type="checkbox"/> , if applicable. Signature: Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 3/26/2014	<p style="text-align: center;">OIL CONSERVATION DIVISION</p> <p>Approved By: Paul Kautz Title: Geologist Approved Date: 3/27/2014 Expiration Date: 3/27/2016</p> <p>Conditions of Approval Attached</p>
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Permit 183644

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(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.

E-Signed By: Jerry Sherrell
Title: Production Clerk
Date: 3/26/2014

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.

Surveyed By: Filimon Jaramillo
Date of Survey: 3/4/2014
Certificate Number: 12797

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Form APD Comments

Permit 183644

PERMIT COMMENTS

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-025-41758
		Well: LEA KG STATE #011
Created By	Comment	Comment Date
DWEAVER	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	3/26/2014

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Form APD Conditions
 Permit 183644

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211	API Number: 30-025-41758
	Well: LEA KG STATE #011

OCD Reviewer	Condition
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
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 & INTERNEMATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --