

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 162882

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
4. Property Code 39742		3. API Number 30-025-41023
5. Property Name NORWAY STATE		6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	36	21S	36E	J	2307	S	2310	E	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	36	21S	36E	J	2307	S	2310	E	Lea

9. Pool Information

WANTZ, ABO, WEST	96850
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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 3509
16. Multiple N	17. Proposed Depth 7850	18. Formation Abo	19. Contractor	20. Spud Date 3/15/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1200	650	0
Prod	7.875	5.5	17	7850	1000	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4" hole to 1200', run 8 5/8" casing and cement to surface. Drill a 7 7/8" hole to 7850', run 5 1/2" casing and cement to surface. Put well on production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	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 type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 2/21/2013	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 2/26/2013 Expiration Date: 2/26/2015 Conditions of Approval Attached
Phone: 505-748-1288	

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 162882

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41023	2. Pool Code 96850	3. Pool Name WANTZ, ABO, WEST
4. Property Code 39742	5. Property Name NORWAY STATE	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3509

10. Surface Location

UL - Lot J	Section 36	Township 21S	Range 36E	Lot Idn	Feet From 2307	N/S Line S	Feet From 2310	E/W Line E	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	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: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px; background-color: #cccccc; text-align: center;">■</td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></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: Jerry Sherrell Title: Production Clerk Date: 2/21/2013</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: Filimon Jaramillo Date of Survey: 2/18/2013 Certificate Number: 12797</p>
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Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: NORWAY STATE #001

API: 30-025-41023

Created By	Comment	Comment Date
JWSHERRELL	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	2/21/2013
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-05793	2/21/2013
pkautz	Land s/S	2/25/2013

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: NORWAY STATE #001

API: 30-025-41023

OCD Reviewer	Condition
pkautz	
pkautz	In order to seal off fresh water surface casing must be set 25' below top Rustler Anhydrite. Estimated top of Rustler Anhydrite is approximately 1160