

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

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 38329		3. API Number 30-025-39924
5. Property Name GOOSE STATE COM		6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	7	15S	32E	1	355	N	330	W	LEA

8. Pool Information

TULK;WOLFCAMP	60420
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4362
14. Multiple N	15. Proposed Depth	16. Formation Wolfcamp	17. Contractor	18. Spud Date 10/15/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1400	1200	0
Int1	8.75	7	26	8750	1025	0
Prod	6.125	4.5	11.6	13459	0	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4 hole to 1400' run 9 5/8 casing and cement to surface. Drill 8 3/4 hole to 8750' run 7" casing and cement to surface. Drill 6 1/8 hole to 13,459' run 4 1/2 casing from 8100 to TD, set with liner hanger and Peak Completion Packers.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Jerry Sherrell	Approved By: Paul Kautz	
Title: Production Clerk	Title: Geologist	
Email Address: jerrys@mackenergycorp.com	Approved Date: 10/4/2010	Expiration Date: 10/4/2012
Date: 9/28/2010	Phone: 505-748-1288	Conditions of Approval Attached

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 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
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Santa Fe, NM 87505

Form C-102
 Permit 120704

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-39924	2. Pool Code 60420	3. Pool Name TULK;WOLFCAMP
4. Property Code 38329	5. Property Name GOOSE STATE COM	6. Well No. 001H
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 4362



10. Surface Location

UL - Lot D	Section 7	Township 15S	Range 32E	Lot Idn 1	Feet From 355	N/S Line N	Feet From 330	E/W Line W	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 7	Township 15S	Range 32E	Lot Idn A	Feet From 355	N/S Line N	Feet From 330	E/W Line E	County LEA
12. Dedicated Acres 165.75		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

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: 9/28/2010

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: Ronald Eidson

Date of Survey: 9/3/2010

Certificate Number: 3239

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: GOOSE STATE COM #001H

API: 30-025-39924

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.	9/23/2010
DMULL	OCD Hobbs has received form C-144CLEZ. OCD Permit Number P1-02515.	10/4/2010

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: GOOSE STATE COM #001H

API: 30-025-39924

OCD Reviewer	Condition
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
DMULL	Will require a directional survey with the C-104