

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 36691		3. API Number 30-05-64009
5. Property Name FALCON STATE		6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	16	14S	29E	C	355	N	2369	W	CHAVES

8. Pool Information

WC; LONE WOLF; SAN ANDRES, SOUTH	97662
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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 3712
14. Multiple N	15. Proposed Depth	16. Formation San Andres	17. Contractor	18. Spud Date 2/15/2008
Depth to Ground water 60		Distance from nearest fresh water well		Distance to nearest surface water

Pit: Liner: Synthetic ☐ mils thick Clay ☐ Pit Volume: bbls Drilling Method:
 Closed Loop System ☒ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

19. 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	325	300	0
Prod	7.875	5.5	17	4721	500	2500
Prod	7.875	5.5	17	2500	500	0

Casing/Cement Program: Additional Comments

Mack Energy Corporation proposes to drill a 12 1/4 hole to 325', run 8 5/8 casing and cement. Drill a 7 7/8 hole to a MD of 4721', a VD of 2894' test the san andres formation, run 5 1/2 casing and cement. Note: On production string a hole caliper will be run and will figure cement with excess, attempt to circulate.

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 ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Jerry Sherrell	Approved By: Bryan Arant	
Title: Production Clerk	Title: Geologist	
Email Address: jerrys@mackenergycorp.com	Approved Date: 2/8/2008	Expiration Date: 2/8/2010
Date: 2/6/2008	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

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Santa Fe, NM 87505

Form C-102
 Permit 68921

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-05-64009	2. Pool Code 97662	3. Pool Name WC; LONE WOLF; SAN ANDRES, SOUTH
4. Property Code 36691	5. Property Name FALCON STATE	6. Well No. 002
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3712

10. Surface Location

UL - Lot C	Section 16	Township 14S	Range 29E	Lot Idn	Feet From 355	N/S Line N	Feet From 2369	E/W Line W	County CHAVES
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 16	Township 14S	Range 29E	Lot Idn D	Feet From 355	N/S Line N	Feet From 330	E/W Line W	County CHAVES
12. Dedicated Acres 80.00		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

			

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: 2/6/2008

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: Gary Eidson

Date of Survey: 1/24/2008

Certificate Number: 12641

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: FALCON STATE #002

API: 30-05-64009

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.	2/6/2008

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: FALCON STATE #002

API: 30-05-64009

OCD Reviewer	Condition
BArrant	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
BArrant	Operator must use fresh water mud for drilling surface hole.