

**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  
Revised July 18, 2013  
Permit 171414

**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 30-05-64165
4. Property Code 40074	5. Property Name GALAXY 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
O	5	14S	29E	O	330	S	2310	E	CHAVES

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	5	14S	29E	O	330	S	2310	E	Chaves

**9. Pool Information**

WILDCAT;SAN ANDRES	97839
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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 3670
16. Multiple N	17. Proposed Depth 3450	18. Formation San Andres	19. Contractor	20. Spud Date 10/1/2013
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 Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	450	450	0
Prod	7.875	5.5	17	3450	425	0

**Casing/Cement Program: Additional Comments**

Mack Energy Proposes to drill a 12 1/4" hole to 450', run 8 5/8" casing and cement to surface. Drill a 7 7/8" hole to 3450', 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:	<b>OIL CONSERVATION DIVISION</b> Approved By: Randy Dade	
Printed Name: Electronically filed by Jerry Sherrell	Title: District Supervisor	
Title: Production Clerk	Approved Date: 8/16/2013	Expiration Date: 8/16/2015
Email Address: jerrys@mec.com		
Date: 8/8/2013	Phone: 505-748-1288	Conditions of Approval Attached

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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 171414

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-05-64165	2. Pool Code 97839	3. Pool Name WILDCAT;SAN ANDRES
4. Property Code 40074	5. Property Name GALAXY STATE	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3670

**10. Surface Location**

UL - Lot O	Section 5	Township 14S	Range 29E	Lot Idn	Feet From 330	N/S Line S	Feet From 2310	E/W Line E	County CHAVES
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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**

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## Permit Comments

**Operator:** MACK ENERGY CORP , 13837

**Well:** GALAXY STATE #001

**API:** 30-05-64165

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.	8/8/2013
CSHAPARD	Land s/S	8/14/2013

## Permit Conditions of Approval

**Operator:** MACK ENERGY CORP , 13837

**Well:** GALAXY STATE #001

**API:** 30-05-64165

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