

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505

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

Form C-

**APPLICATION FOR PERMIT TO DRILL**

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-33327
Property Code 33009	Property Name RED LAKE SAND UNIT	Well No. 062

**Surface Location**

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	29	17S	28E	D	660	N	1310	W	Eddy

**Proposed Pools**

WC RED LAKE SHORES; GRAYBURG 97335
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Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 3584
Multiple N	Proposed Depth 2100	Formation Grayburg	Contractor	Spud Date 03/15/2004

**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	24	400	275	0
Prod	7.875	4.5	10.5	2100	800	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill to 400 set 8 5/8 casing and cement. Drill to 2100 test Grayburg zone, run 4 1/2 casing and cement. Put well on production. Note: On production string a fluid caliper will be run and will figure cement with 25% excess, attempt to circulate.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	
Electronically Signed By: Jerry Sherrell	
Title: Production Clerk	
Date: 03/12/2004	Phone: 505-748-1288

<b>OIL CONSERVATION DIVISION</b>	
Electronically Approved By: Bryan Arrant	
Title: Geologist	
Approval Date: 03/25/2004	Expiration Date: 03/25/2005
Conditions of Approval: No Conditions	

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-33327	Pool Name WC RED LAKE SHORES; GRAYBURG	Pool Code 97335
Property Code 33009	Property Name RED LAKE SAND UNIT	Well No. 062
OGRID No. 13837	Operator Name MACK ENERGY CORP	Elevation 3584

**Surface And Bottom Hole Location**

UL or Lot D	Section 29	Township 17S	Range 28E	Lot Idn D	Feet From 660	N/S Line N	Feet From 1310	E/W Line W	County Eddy
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No.			


**OPERATOR CERTIFICATION**  
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*  
 Electronically Signed By: Jerry Sherrell  
 Title: Production Clerk  
 Date: 03/12/2004

**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: 03/03/2004  
 Certificate Number: 12641

## Permit Comments

**Operator: MACK ENERGY CORP , 13837**

**Well: RED LAKE SAND UNIT #062**

User Name	Comment	Comment Date
JWSHERRELL	H2S concentrations of well within this Unit from surface to TD, are low enough that a contingency plan is not required.	3/12/2004