

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 882110960		2. OGRID Number 13837
		3. API Number 30-025-37604
4. Property Code 35176	5. Property Name HERRING FEE	6. Well No. 006

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	30	16S	32E	1	400	N	440	W	LEA

8. Pool Information

GRAYBURG JACKSON SR-O-G-SA	28509
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Additional Well Information

Additional Well Information				
9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 4243
14. Multiple N	15. Proposed Depth	16. Formation San Andres Formation	17. Contractor	18. Spud Date 12/31/2005
Depth to Ground water 210		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> miles 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	8.625	24	1200	700	0
Prod	7.875	5.5	17	4600	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. Drill a 7 7/8 hole to 4600' run 5 1/2 casing and cement. 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
DoubleRam	2000	2000	

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: Chris Williams	
Title: Production Clerk		Title: District Supervisor	
Email Address: jerrys@mackenergycorp.com		Approved Date: 12/28/2005	Expiration Date: 12/28/2006
Date: 12/22/2005	Phone: 505-748-1288		

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
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 20499

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-37604	2. Pool Code 28509	3. Pool Name GRAYBURG JACKSON SR-Q-G-SA
4. Property Code 35176	5. Property Name HERRING FEE	6. Well No. 006
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 4243


10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	30	16S	32E		400	N	440	W	LEA

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 40.51		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: 12/22/2005

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: 12/21/2005
 Certificate Number: 12641

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: HERRING FEE #006

API: 30-025-37604

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.	12/22/2005