

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

HOBBS OCD

JUN 21 2012

RECEIVED

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-101  
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837
Property Code 37284		Property Name Buckskin State
Proposed Pool 1 Vacuum; Grayburg-San Andres		Proposed Pool 2

7 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	31	17S	36E		2310	South	660	West	Lea

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

11 Work Type Code E	12 Well Type Code O	13 Cable/Rotary Rotary	14 Lease Type Code S	15 Ground Level Elevation 3883
16 Multiple No	17 Proposed Depth 5800	18 Formation Grayburg-San Andres	19 Contractor	20 Spud Date 8/10/08
Depth to Groundwater 40'		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/>		Pit Volume bbls		Drilling Method - Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>
Closed-Loop System <input checked="" type="checkbox"/>				

21 Proposed Casing and Cement Program

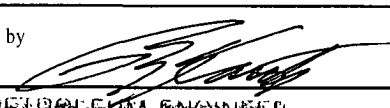
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	400	450sx	Surface
12 1/4	9 5/8	40	4490	3450sx	Surface
8 1/2	5 1/2	20, 17	12275	1500sx	Surface

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mack Energy corporation proposes to Re-enter the formerly State IV #1 now called the Buckskin State #1 to a depth of 5800' test the Grayburg-San Andres formation. Put well on production.

Will use previously approved C-144, see attached.

**Permit Expires 2 Years From Approval  
Date Unless Drilling Underway**

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 checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan. <input type="checkbox"/>		OIL CONSERVATION DIVISION	
Signature Jerry W. Sherrell		Approved by 	
Printed name Jerry W. Sherrell		Title PETROLEUM ENGINEER	
Title Production Clerk		Approval Date JUN 22 2012	
E-mail Address jerrys@mec.com		Expiration Date	
Date 6/19/12	Phone (575)748-1288	Conditions of Approval Attached <input type="checkbox"/>	

District I  
1625 N French Dr, Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
EnerRy, Minerals & Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised March 17, 1999

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-27685	Pool Code 62180	Pool Name Vacuum; Grayburg-San Andres
Property Code 37284	Property Name Buckskin State	Well Number 1
GRID No 013837	Operator Name Mack Energy Corporation	Elevation 3883'

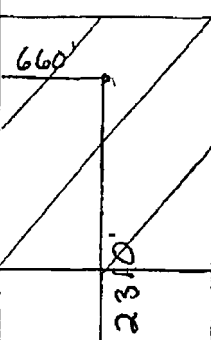
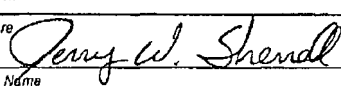
HI Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	31	17S	36E		2310	South	660	West	Lea

" Bottom Hole Location If Different From Surface

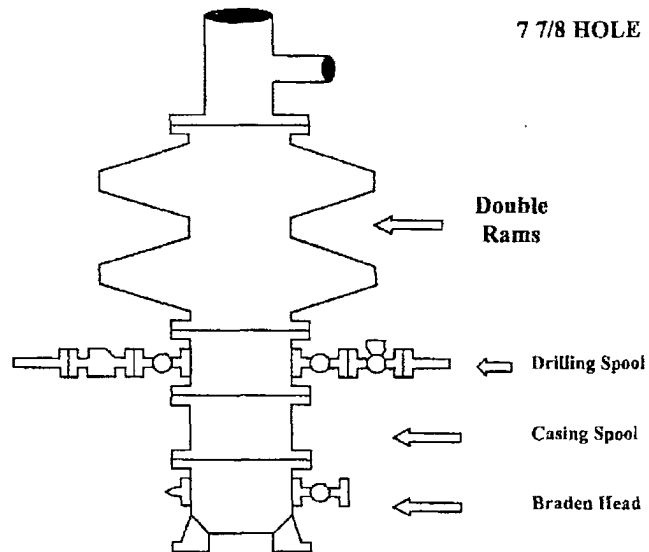
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL XL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION			
	<i>I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>			
	Signature  Printed Name Jerry W. Sherrell Title Production Clerk Date 7/29/08			
	"SURVEYOR CERTIFICATION			
<i>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.</i>				
Date of Survey Signature and Seal of Professional Surveyor.				
Certificate Number				

# Mack Energy Corporation

## Exhibit #1-A BOPE Schematic



Choke Manifold Requirement (3000 psi WP)  
No Annular Required

