

New Mexico Oil Conservation Division, District I

Form 3160-5 (August 2007) **HOBBS OCD**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1625 N. French Drive
Hobbs, NM 88240
FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

DEC 21 2012

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM-32409

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
Sam Federal #4

2. Name of Operator
Mack Energy Corporation

9. API Well No.
30-005-29105

3a. Address
P.O. Box 960 Artesia, NM 88210-0960

3b. Phone No. (include area code)
(575) 748-1288

10. Field and Pool or Exploratory Area
Double L Wildcat, San Andres South (219150)

4. Location of Well (Footage, Sec., T.R.M. or Survey Description)
2285 FNL & 380 FWL Sec. 28 T15S R30E Unit E

11. Country or Parish, State
Chaves, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1. POH w/pump and tubing.
2. Set CIBP @ 3650' w/35'.
3. Set 25sx plug @ 3000'(San Andres Top)
4. Set 25sx plug @ 1550'(BOS). WOC and tag.
5. Set 25sx plug @ 675'(TOS and surface casing shoe). WOC and tag.
6. RIH to 60' and circulate cement to surface.
7. Install Dry Hole Marker.

RECEIVED
 2012 DEC 13 AM 11:24
 BUREAU OF LAND MANAGEMENT
 ROSWELL OFFICE

APPROVED FOR 3 MONTH PERIOD
ENDING MAR 17 2013

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed): Jerry W. Sherrell Title Production Clerk

Signature: *Jerry W. Sherrell* Date 12/12/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: **DAVID R. GLASS** PETROLEUM ENGINEER Date: **DEC 17 2012**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 42 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2) **SEE ATTACHED FOR CONDITIONS OF APPROVAL**

APR 18 2013

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
(575) 627-0272

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon. **If you are unable to plug the well by the 90th day provide the BLM Roswell Field Office (RFO), prior to the 90th day, with the reason for not meeting the deadline and a date when the BLM Roswell Field Office can expect the well to be plugged. Failure to do so will result in enforcement action. Unless the well has been properly plugged, the rig shall not be removed from over the hole without prior approval.**

2. Notification: Contact the BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.

6. Monument: Upon abandonment of the well, all casing shall be cut-off at the base of the cellar or 3-feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. Timing Limitation Lease Stipulation / Condition of Approval For Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1 through June 15 annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D seismic operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

8. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to the BLM Roswell Field Office. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

Following the submittal and approval of the Subsequent Report of Abandonment, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.

LEASE & WELL NO. South Denton 6 State #2 SWD
 FIELD NAME South Denton
 LOCATION 330 FNL & 330 FWL, Sec 6, T16S, R38E

FORMER NAME _____
 COUNTY & STATE Lea Co., NM
 API NO. 30-025-39734

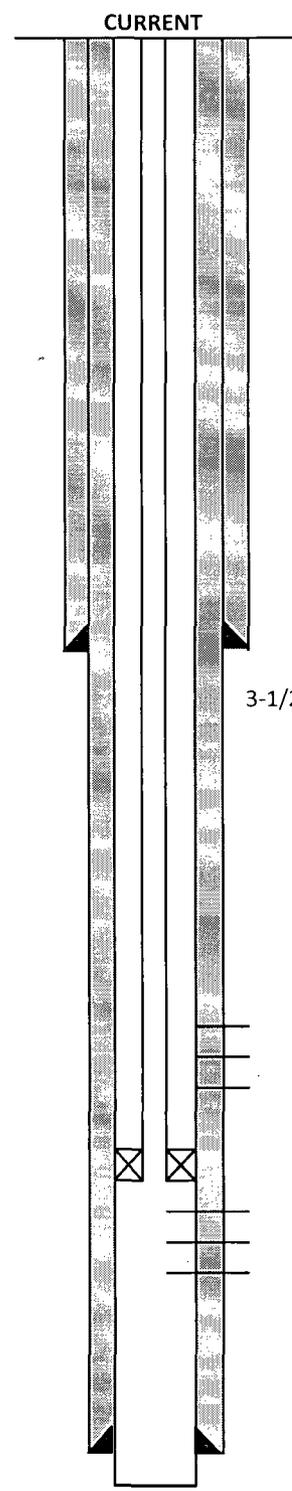
K.B. ELEV. _____
 D.F. ELEV. _____
 GROUND LEVEL 3781'

SURFACE CASING
 SIZE 8-5/8" WEIGHT 24.0# DEPTH 2019'
 GRADE _____ SX. CMT. 1035 sx TOC @ surface

Tubing Description
 FG 3-1/2", 9.3#, J-55

WELL HISTORY

- 4/15/2010 APD Approved
- 8/5/2010 NMOCD Hearing for Injection Permit, permit approved
- 1/16/2011 Drilled well; no San Andres porosity encountered
Propose to deepen well by 350' to Glorieta
- 12/21/2011 Deepended to Glorieta & perforated San Andres
No injectivity - tight rock
- 12/22/2011 Perforate Queen (1 BPM @ 2660#)
Leave well TA'd
- 8/31/2012 Sqz'd Queen & frac'd San Andres/Glorieta



3-1/2" FG Lined Tbg

Queen Squeezed w/ cmt
 Perf 4436'-4452', 4342'-4353'
 4270'-4278', 4210'-4240'

Inj Pkr @ 5150'

Perf 6322'-6332', 6230'-6240'
 5962'-5970', 5230'-5238'
 5200'-5222'

Injection Interval
5200' - 6850'
San Andres & Glorieta

PRODUCTION CASING
 SIZE 5-1/2" WEIGHT 15.5# DEPTH 6500'
 GRADE _____ SX. CMT. 980 sx TOC @ _____
 PBTD@ 6850'
 TD@ 6850'