

UNITED STATES **NM OIL CONSERVATION**  
DEPARTMENT OF THE INTERIOR ARTESIA DISTRICT  
BUREAU OF LAND MANAGEMENT

CD-ARTESIA

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

MAR 02 2015

**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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Mack Energy Corporation

3a. Address

P.O. Box 960 Artesia, NM 88210-0960

3b. Phone No. (include area code)

(575) 748-1288

4. Location of Well (Footage, Sec., T,R,M, or Survey Description)

310 FNL & 2530 FWL, Sec. 9 T23S R25E

5. Lease Serial No.

NM-114960

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Robin Federal #1

9. API Well No.

30-015-35198

10. Field and Pool or Exploratory Area

Bone Sping

11. Country or Parish, State

Eddy, NM

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☒ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleate 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 recompleation in a multiple 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.)

Mack Energy Corporation proposes to do the following work:

1. MIRU PU
2. NU 5K Hydraulic BOP
4. PU 6 1/8" tooth bit, 7" scrapper & RIH on 2 7/8" L-80 Prod. Tbg. To 8620'
5. RU wireline w/5K pack off & wireline 7" CIBP in hole set @ 8606' & cap w/35' cmt. Perf 2nd set 7962'-8178'
6. RIH w/ RTTS and 2 7/8" L-80 Prod. tbg
7. Close bypass & pump 2000gal 15% ball job.
8. Swab and evaluate
9. If zone looks productive proceed w/ slickwater stage frac according to design
10. POH laydown tbg. ND hydraulic BOP & NU 10K frac valves & goathead for 4 stage frac job. Double check B section make sure it is 10K.
11. After shooting perfs 7762-7894', 5590-5774' & 5182-5380' and setting Halliburton 10K Obsedian caged ball plug, Pump 1500gal 15% bioball job before starting 3rd thru 5th stage frac job.
12. Put well back on production.

**WITNESS  
PLUG BACK**

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Deana Weaver

Title Production Clerk

Signature

*Deana Weaver*

Date

*10.6.14*

**SUBJECT TO LIKE  
APPROVAL BY STATE**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for my 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)

<b>APPROVED</b>	
Date	FEB 20 2015
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	

## Conditions of Approval

Mack Energy Corporation  
Robin - 01, API 3001535198  
T23S-R25E, Sec 09, 310FNL & 2530FSL  
February 20, 2015

1. Subject to like approval by the New Mexico Oil Conservation Division.
2. **Notify BLM as work begins. Some procedures are to be witnessed.** Call 575-361-2822, leave a voice mail with the API#, workover purpose, and a call back phone number.
3. Surface disturbance beyond the existing pad must have prior approval.
4. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
5. Functional H<sub>2</sub>S monitoring equipment shall be on location.
6. 3000 (3M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels) equipment shall be installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.
7. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
8. The BLM PET witness is to run tbq tally and agree to cement volumes and placement.  
**Sample each plug for cement curing time and tag with tubing and/or pressure test as requested by BLM PET witness.**
9. Tag PBTD. Place a minimum 25sx class H balanced cement plug on the PBTD.
10. Set a CIBP within 100' of the top perf of 9029 and place a minimum 25sx class H balanced cement plug on the CIBP.
11. Set a minimum 50sx class H balanced cement plug from 8290 to cover the Wolfcamp formation top at 8190. Tag the plug with tubing at 8090 or above.
12. **This procedure is subject to the next three numbered paragraphs.**
13. Mix cement plugs to cover a minimum of 100ft plus 10ft for every 1,000ft from the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks. Never use less than 25sx. Examples: A cement plug set at 8000 in 7" casing would require a min of 35sx. A 25sx plug in 5 ½" casing should cover 250ft, which may exceed 100ft plus 10ft per 1000ft.

14. Class H > 7500ft & C < 7500ft) cement plugs(s) will be necessary. For any plug that requires a tag or pressure test a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Formation isolation plugs of Class "C" to be mixed 14.8#/gal, 1.32 ft<sup>3</sup>/sx, 6.3gal/sx water and "H" to be mixed 16.4#/gal, 1.06ft<sup>3</sup>/sx, 4.3gal/sx water.
15. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
16. **Provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log record from 8700 or below to top of cement taken with 0psig casing pressure. The CBL may be attached to a [pswartz@blm.gov](mailto:pswartz@blm.gov) email. The CFO BLM on call engineer may be reached at 575-706-2779.**
17. After setting the top plug and before perforating, **perform a charted casing integrity test of 1000psig minimum. Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 25 to 85 per cent of its full range. Verify all annular casing vents are plumbed to the surface and open during this pressure test. Arrange for BLM to witness that pressure test.** Submit a subsequent Sundry Form 3160-5 relating the dated daily wellbore and MIT activities, include a copy of the chart.
18. Approval is granted for disposal of water produced from the lease, communitization, or unit agreement of this well only. Disposal fluid from another operator, lease, communitization, or unit agreement require BLM surface right-of-way agreement **approvals** and if applicable, authorization from the surface owner.
19. File intermediate **subsequent sundry** Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.
20. Submit the BLM Form 3160-4 **Recompletion Report** within 30 days of the date all BLM approved procedures are complete.
21. Workover approval is good for 90 days (completion to be within 90 days of approval).
22. An inactive/shut-in well bore is a non-producing completion that is capable of "beneficial use" i.e. production in **paying quantities** or of service use.
23. Submit evidence to support your determination that the well has been returned to active "beneficial use" for BLM approval on the Sundry Notice Form 3160-5 (the original and 3 copies) before 08/05/2015.
24. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

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