

Form 3160-5
(June 1990)

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88211-0960
OFFICIAL FILE COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

NOV 18 2005

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1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Mack Energy Corporation

3. Address and Telephone No.

P.O. Box 960, Artesia, NM 88211-0960

(505)748-1288

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

SW/4 SW/4 Sec 14 T17S R30E

5. Lease Designation and Serial No.

LC-055259

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

#1
Mohawk Federal TB

9. API Well No.

30-015-30630

10. Field and Pool, or Exploratory Area

Loco Hills Paddock

11. County or Parish, State

Eddy, NM

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

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

Onshore Order 7

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

Name (s) of formation (s) producing water on the lease Loco Hills Paddock

Amount of water produced from each formation in barrels per day 80 Barrels per day

A water analysis of produced water from each zone showing at lease the total dissolved solids, ph, and concentration of chlorides and sulfates.

See Attached

How water is stored on lease Fiberglass Tank

How water is moved to disposal facility Pipeline

Operator's name, well name and location, by 1/4 1/4, section township, and range, of the disposal facility. If the disposal facility is an approved disposal system, the operator's name and the name of the disposal system should suffice.
Mack Energy Corporation
Big George State #3
SWD 611 Sec 12 T17S R28E

Alternate Disposal Mack Energy Corporation
Muskegon 16 State Com #1
SWD 624 Sec 16 T17S R29E

APPROVED

NOV 16 2005

LES BABYAK
PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct

Signed Gary W. Shenell Title Production Clerk Date 11/3/2005

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED

Title 18 U.S.C. Section 1001, makes 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.

•See Instruction on Reverse Side



Water Analysis

Date: 11/4/2005

2401 Staley, Artesia NM 88210

Phone (505) 746-3140 Fax (505) 746-2293

Analyzed For

Company	Well Name	County	State
Mack	Mohawk Fed Battery	Eddy	New Mexico

Sample Source

Sample #

1

Formation

Depth

Specific Gravity	1.155	SG @ 60 °F	1.157
pH	5.66	Sulfides	Not Tested
Temperature (°F)	69	Reducing Agents	Not Tested

Cations

Sodium (Calc)	In Mg/L	79,170	In PPM	68,438
Calcium	In Mg/L	5,200	In PPM	4,495
Magnesium	In Mg/L	720	In PPM	622
Soluable Iron (FE2)	In Mg/L	500.0	In PPM	432

Anions

Chlorides	In Mg/L	132,000	In PPM	114,108
Sulfates	In Mg/L	1,800	In PPM	1,556
Bicarbonates	In Mg/L	195	In PPM	169

Total Hardness (as CaCO3)	In Mg/L	16,000	In PPM	13,831
Total Dissolved Solids (Calc)	In Mg/L	219,585	In PPM	189,821
Equivalent NaCl Concentration	In Mg/L	188,885	In PPM	163,282

Scaling Tendencies

*Calcium Carbonate Index 1,015,040

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index 9,360,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks

Report #

1890