

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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

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

(575) 748-1288

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

2310 FSL & 1650 FEL, Sec. 7 T15S R29E

5 Lease Designation and Serial No

NMNM-101106

6 If Indian, Allottee or Tribe Name

RECEIVED

JUN 7 2010

NMOCD ARTESIA

7 If Unit or CA, Lease or Designation

Blue Bomber Federal #1

9 API Well No

30-005-64059

10 Field and Pool, or Exploratory Area

Round Tank; San Andres

11 County or Parish, State

Chaves, 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 **Round Tank; San Andres**

Amount of water produced from each formation in barrels per day **50**

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

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
Round Tank SWD #1
NE/4 SW/4 Sec 19-T15S-R29E

Disposal Permit

SWD-1163

14 I hereby certify that the foregoing is true and correct

Signed *Jerry W. Shewell*

Title **Production Clerk**

Date **4/22/10**

(This space for Federal or State office use)

/S/ DAVID R. GLASS

Title **PETROLEUM ENGINEER**

Date **MAY 11 2010**

Approved by
Conditions of approval, if any

ROSWELL FIELD OFFICE

SEE ATTACHED FOR

CONDITIONS OF APPROVAL

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



Catalyst Oilfield Services
11999 E Hwy 158
Gardendale, TX 79758
(432) 563-0727
Fax: (432) 224-1038

Water Analysis Report

Customer: Mack Energy Corporation Sample #: 16298
Area: Artesia Analysis ID #: 2851
Lease: Blue Bomber
Location: 1 0
Sample Point: Wellhead

		Anions		Cations	
		mg/l	meq/l	mg/l	meq/l
Sampling Date:	12/11/2009	Chloride:	92101.2	Sodium:	52285.7
Analysis Date:	12/17/2009	Bicarbonate:	249.3	Magnesium:	1942.2
Analyst:	Mitchell	Carbonate:		Calcium:	4542.6
TDS (mg/l or g/m3):	153985.2	Sulfate:	2850.0	Strontium:	
Density (g/cm3):	1.107			Barium:	
				Iron:	13.5
Hydrogen Sulfide:	26.00			Manganese:	0.660
Carbon Dioxide:	193.00				
Comments:		pH at time of sampling:	7		
		pH at time of analysis:			
		pH used in Calculation:	7		
		Temperature @ lab conditions (F):	70	Conductivity (micro-ohms/cm):	180500
				Resistivity (ohm meter):	.0554

	Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0.71	16.60	0.06	183.77	0.07	152.38	0.00	0.00	0.00	0.00	
100	0.77	19.31	0.00	0.00	0.07	157.82	0.00	0.00	0.00	0.00	
120	0.81	22.33	-0.05	0.00	0.10	216.66	0.00	0.00	0.00	0.00	
140	0.86	25.35	-0.09	0.00	0.15	315.03	0.00	0.00	0.00	0.00	
160	0.90	28.67	-0.13	0.00	0.22	436.63	0.00	0.00	0.00	0.00	
180	0.95	31.99	-0.16	0.00	0.30	566.99	0.00	0.00	0.00	0.00	
200	1.00	35.30	-0.18	0.00	0.40	694.93	0.00	0.00	0.00	0.00	
220	1.06	38.93	-0.20	0.00	0.51	812.01	0.00	0.00	0.00	0.00	

SCANNED

BUREAU OF LAND MANAGEMENT

Roswell Field Office

2909 West Second Street

Roswell, New Mexico 88201

575-627-0272

**Disposal of Produced Water From Federal Wells
Conditions of Approval**

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency shall be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. Any on-lease open top storage tanks shall be covered with a wire screen to prevent entry by birds and other wildlife.
6. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
7. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office for wells in Chaves or Roosevelt County if you have not already done so.