N OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

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

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)
NESW Sec 13-T19S-R32E

5. Lease Designation and Serial No.
NM 63368

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Bondurant Federal #1 TB

9. API Well No.
30-025-29538

10. Field and Pool, or Exploratory Area
Tonto Yates SR, West

11. County or Parish, State
Lea, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☒ 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.)*

See attached.

RECEIVED
BUREAU OF LAND MGMT.
JAN 26 12 20 PM '95

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

Signed Cindy D Cate Title Production Clerk Date 1-24-95

(This space for Federal or State office use)

Approved by _____ Title _____ Date 3/3/95
Conditions of approval, if any:

- SEE 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

(rev. 3/10/94)

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

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 be notified of any change in your method or location of disposal.

2. Compliance with all provisions of Onshore Oil and Gas 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. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.

6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.

7. This approval does not constitute right-of-way approval for any off lease activities. 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 if you have not already done so.

(s1Q

MACK ENERGY CORP.

Information List
Onshore Order # 7 Water Disposal Method

Lease Name: BONDURANT FEDERAL 1

Name (s) of formation (s) producing water on the lease.

WEST TONTO, YATES SEVEN RIVERS

Amount of water produced from each formation in barrels per day.

0.50

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

SEE ATTACHED FORM

How water is stored on the lease.

FIBERGLASS TANK

How water is moved to disposal facility.

TRUCK

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 CORP. FM ROBINSON SWD R-8191

Alternate Disposal:

LOCO HILLS WATER DISPOSAL FACILITY
R-6811A SEC 16 T17S R30E

TRETOLITE
Chemicals and Services

16010 Barker's Point Lane • Houston, Texas 77079
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737

Reply to: P.O. Box FF
Artesia, New Mexico 88210
(505) 746-3588 Phone
(505) 746-3580 Fax

WATER ANALYSIS REPORT

Company : MACK ENERGY
Address : ARTESIA, NM
Lease : BONDURANT
Well : #1
Sample Pt. : WATER TANK

Date : 07/07/92
Date Sampled : 07/06/92
Analysis No. : 081

	ANALYSIS		mg/L		* meq/L
1.	pH	6.3			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.055			
4.	Total Dissolved Solids		79140.9		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)				
11.	Bicarbonate	HCO3	1476.0	HCO3	24.2
12.	Chloride	Cl	46647.0	Cl	1315.9
13.	Sulfate	SO4	800.0	SO4	16.7
14.	Calcium	Ca	2480.0	Ca	123.8
15.	Magnesium	Mg	681.7	Mg	56.1
16.	Sodium (calculated)	Na	27056.2	Na	1176.9
17.	Iron	Fe	0.0		
18.	Barium	Ba	0.0		
19.	Strontium	Sr	0.0		
20.	Total Hardness (CaCO3)		9000.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

124	*Ca <----- *HCO3	24
	/------->	
56	*Mg -----> *SO4	17
	<---------/	
1177	*Na -----> *Cl	1316

Saturation Values Dist. Water 20 C
CaCO3 13 mg/L
CaSO4 * 2H2O 2090 mg/L
BaSO4 2.4 mg/L

Compound	Equiv wt	X meq/L	= mg/L
Ca(HCO3)2	81.0	24.2	1961
CaSO4	68.1	16.7	1134
CaCl2	55.5	82.9	4600
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	56.1	2670
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	1176.9	68776

REMARKS:
D. CANADA / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
DON CANADA

PETROLITE

SCALE TENDENCY REPORT

Company	: MACK ENERGY	Date	: 07/07/92
Address	: ARTESIA, NM	Date Sampled	: 07/06/92
Lease	: BONDURANT	Analysis No.	: 081
Well	: #1	Analyst	: DON CANADA
Sample Pt.	: WATER TANK		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	0.5	at	60 deg. F or	16	deg. C
S.I. =	0.6	at	80 deg. F or	27	deg. C
S.I. =	0.7	at	100 deg. F or	38	deg. C
S.I. =	0.7	at	120 deg. F or	49	deg. C
S.I. =	0.8	at	140 deg. F or	60	deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	3670	at	60 deg. F or	16	deg C
S =	3950	at	80 deg. F or	27	deg C
S =	4115	at	100 deg. F or	38	deg C
S =	4180	at	120 deg. F or	49	deg C
S =	4220	at	140 deg. F or	60	deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
DON CANADA