

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 20105. Lease Serial No.
NMNM117119

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM1310798. Well Name and No.
DELAWARE RANCH 13 EH FED COM 1H9. API Well No.
30-015-41271-00-S110. Field and Pool, or Exploratory
RED BLUFF11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
MEWBOURNE OIL COMPANYContact: JACKIE LATHAN
E-Mail: jlathan@mewbourne.com3a. Address
P O BOX 5270
HOBBS, NM 882413b. Phone No. (include area code)
Ph: 575-393-59054. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T26S R28E SWNW 2100FNL 95FWL**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ 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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please see attached site facility diagram & salt water disposal plan.

Bond on file: NM1693, Nationwide & NMB000919

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 07 2015

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #231903 verified by the BLM Well Information System

For MEWBOURNE OIL COMPANY, sent to the Carlsbad

Committed to AFMSS for processing by JENNIFER MASON on 02/18/2014 (14JAM0195SE)

Name (Printed/Typed) JACKIE LATHAN

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 01/13/2014

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

DEC 1 2015

Date

Approved By

Title

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.

Office

JAMES A. AMOS
SUPERVISOR-EPS

Title 18 U.S.C. Section 1001 and Title 43 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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

WATER PRODUCTION & DISPOSAL INFORMATION

In order to process your disposal request, the following information must be completed:

1. Name of formations producing water on the lease. Bonespring
2. Amount of water produced from all formations in barrels per day. 200 BPD
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. (One sample will suffice if water is commingled.)
4. How water is stored on lease. 2 - 500 BBL FG Tanks
5. How water is moved to the disposal facility. Piped
6. Identify the Disposal Facility by:
 - A. Facility Operators name. Arvinkine Oil Company
 - B. Name of facility or well name and number. Delaware Ranch SWP
 - C. Type of facility or well (WDW) (WTW) etc. WDW
 - D. Location by 1/4 1/4 SESE Section 11 Township 26S Range 28E
7. Attach a copy of the State issued permit for the Disposal Facility.

SWD-1310

Submit to this office, 620 EAST GREENE ST, CARLSBAD NM, 88220, the above required information on a Sundry Notice 3160-5. Submit 1 original and 3 copies, within abatement period. (This form may be used as an attachment to the Sundry Notice.)



Water Analysis

Date: 30-Jul-13

2708 West County Road, Hobbs NM 88240

Phone (505) 392-5556 Fax (505) 392-7307

Analyzed For

Company	Well Name	County	State
Mowbourn	Del Ranch 18 EH	Lea	New Mexico

Sample Source Swab Sample Sample # 1
 Formation Depth

Specific Gravity 1.138 SG @ 80 °F 1.11
 pH 6.84 Sulfides Absent
 Temperature (°F) 76 Reducing Agents

Cations

Sodium (Calc)	in Mg/L	58,188	in PPM	51,117
Calcium	in Mg/L	8,000	in PPM	7,013
Magnesium	in Mg/L	980	in PPM	841
Soluble Iron (FE2)	in Mg/L	10.0	in PPM	9

Anions

Chlorides	in Mg/L	106,000	in PPM	93,118
Sulfates	in Mg/L	250	in PPM	22
Bicarbonates	in Mg/L	137	in PPM	12

Total Hardness (as CaCO3)	in Mg/L	24,000	in PPM	21,118
Total Dissolved Solids (Calc)	in Mg/L	173,646	in PPM	152,134
Equivalent NaCl Concentration	in Mg/L	152,920	in PPM	134,134

Scaling Tendencies

*Calcium Carbonate Index 1,093,121

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

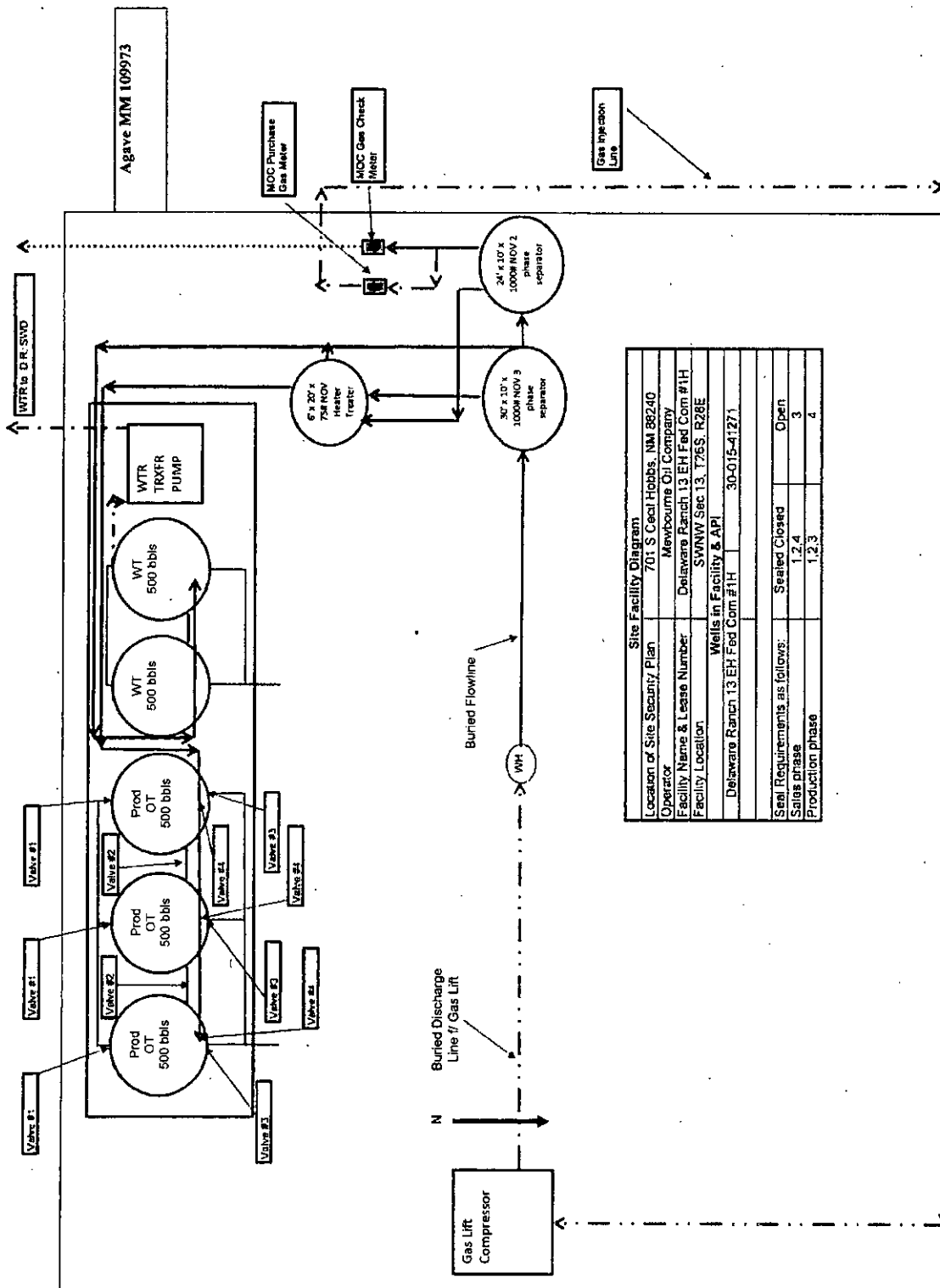
*Calcium Sulfate (Gyp) Index 2,000,001

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 of treatment.

Remarks RW=0.052@70F

Report # 3209



Accepted for Record Purposes.
 Approval Subject to Onsite Inspection.
 Date: 12/1/15
[Signature]

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

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 protective cover 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 if you have not already done so.
8. Disposal at any other site will require prior approval.
9. Subject to like approval by NMOCD.

7/10/14