

OCD Artesia

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

5. Lease Serial No.  
NMNM118707

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
Nm 132308

8. Well Name and No.  
DELAWARE RANCH 12 NC FED COM 1H

9. API Well No.  
30-015-41719-00-S1

10. Field and Pool, or Exploratory  
RED BLUFF

11. County or Parish, and State  
EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
MEWBOURNE OIL COMPANY  
Contact: JACKIE LATHAN  
E-Mail: jlathan@mewbourne.com

3a. Address  
P O BOX 5270  
HOBBS, NM 88241  
3b. Phone No. (include area code)  
Ph: 575.393.5905

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 12 T26S R28E SESW 0150FSL 2100FWL  
32.030103 N Lat, 104.042064 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplete 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 recompletion 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.)

**Accepted for Record Purposes.**  
**Approval Subject to Onsite Inspection.**  
Date: 8/14/14

Please see attached Site Facility Diagram & Salt Water Disposal Plan.  
Interim Reclamation Complete.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
*[Signature]*

Bond on file: NM1693 nationwide & NMB000919

**AUG 13 2014**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**Accepted for record**  
*[Signature]* **8-19-14**

**RECEIVED**

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

**Electronic Submission #240609 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMS for processing by JAMES AMOS on 04/04/2014 (14JA0948SE)**

Name (Printed/Typed) <b>JOE BRYAND</b>	Title <b>ENGINEER</b>
Signature (Electronic Submission)	Date <b>03/31/2014</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
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 _____

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 \*\***

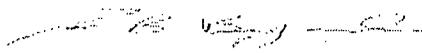
# Environmental and BLM Checklist

Well Name:

Delaware Ranch 12 NC Fed Com #1H

<u>Operation:</u>	<u>Date completed:</u>	<u>Date submitted:</u>
VOC Calculation	<u>1/23/2014</u>	<u>3/31/2014</u>
SPCC Plan	<u>1/21/2014</u>	<u>3/31/2014</u>
Site Facility Diagram	<u>1/21/2014</u>	<u>3/31/2014</u>
SWD Plan	<u>3/31/2014</u>	<u>3/31/2014</u>
Reclamation	<u>3/31/2014</u>	<u>3/31/2014</u>

Submitted by:



Printed Name: Joe Bryand

Title: Engineer

### 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. BONES SPRING

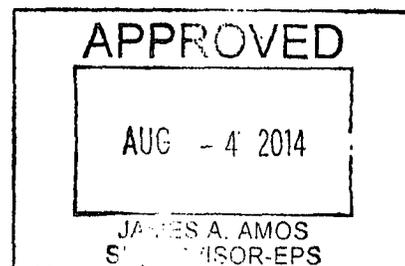
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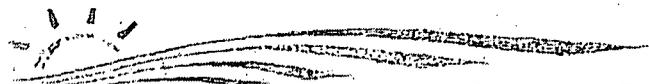
2. Amount of water produced from all formations in barrels per day. 450 BPD

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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. P. Piped
6. Identify the Disposal Facility by:
  - A. Facility Operators name. Midland Oil Company
  - B. Name of facility or well name and number. Delaware Ranch SWD
  - C. Type of facility or well (WDW) (WIW) etc. WDW
  - D. Location by  $\frac{1}{4}$   $\frac{1}{4}$  SESE Section 11 Township 26S Range 28E
7. Attach a copy of the State issued permit for the Disposal Facility.

Submit to this office, 626 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.)





New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

John H. Bernal  
Cabinet Secretary-Designate

Errol F. Woods, Ph.D.  
Deputy Cabinet Secretary

Jerad Bailey  
Division Director  
Oil Conservation Division



Administrative Order SWD-1310  
December 14, 2011

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of 19.15.26.8B NMAC, Mewbourne Oil Co. seeks an administrative order to re-enter and utilize its Delaware Ranch SWD Well No. 1 (API 30-015-22734) located 660 feet from the South line and 660 feet from the East line, Unit letter P of Section 11, Township 26 South, Range 28 East, NMPM, Eddy County, New Mexico, for produced water disposal purposes.

**THE DIVISION DIRECTOR FINDS THAT:**

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.3.9 NMAC.

**IT IS THEREFORE ORDERED THAT:**

The applicant, Mewbourne Oil Co., is hereby authorized to re-enter and utilize its Delaware Ranch SWD Well No. 1 (API 30-015-22734) located 660 feet from the South line and 660 feet from the East line, Unit letter P of Section 11, Township 26 South, Range 28 East, NMPM, Eddy County, New Mexico, for disposal of oil field produced water (UIC Class II only) into the Bell Canyon and Cherry Canyon members of the Delaware Mountain Group through perforations from approximately 2670 to 4700 feet through lined tubing and a packer set less than 100 feet above the permitted disposal interval.

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the disposed water enters only the proposed disposal interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is uncased. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A, NMAC.

The wellhead injection pressure on the well shall be limited to no more than 534 psi. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of disposal equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

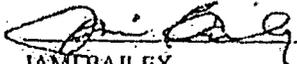
The disposal authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Administrative Order SWD-1310  
Mowbourn Oil Co.  
December 14, 2011  
Page 3 of 3

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Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.

  
JAMI BAILEY  
Director

JB/wvj

cc: Oil Conservation Division - Artesia



# Water Analysis

Date: 24-Feb-14

2708 West County Road, Hobbs NM 88240  
 Phone (575) 392-5356 Fax (575) 392-7307

Analyzed For

Company	Well Name	County	State
Mewbourne	Delaware Ranch 12 NC 1 H	Lea	New Mexico

Sample Source Swab Sample Sample # 1

Formation Depth

Specific Gravity	1.130	SG @ 60 °F	1.132
pH	7.15	Sulfides	Absent
Temperature (°F)	70	Reducing Agents	

**Cations**

Sodium (Calc)	in Mg/L	52,845	in PPM	48,683
Calcium	in Mg/L	8,000	in PPM	7,067
Magnesium	in Mg/L	2,400	in PPM	2,120
Soluble Iron (FE2)	in Mg/L	1.0	in PPM	1

**Anions**

Chlorides	in Mg/L	102,000	in PPM	90,106
Sulfates	in Mg/L	325	in PPM	287
Bicarbonates	in Mg/L	83	in PPM	73
Total Hardness (as CaCO3)	in Mg/L	30,000	in PPM	26,502
Total Dissolved Solids (Calc)	in Mg/L	165,684	in PPM	146,338
Equivalent NaCl Concentration	in Mg/L	147,906	in PPM	130,659

**Scaling Tendencies**

\*Calcium Carbonate Index **663,680**

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

\*Calcium Sulfate (Gyp) Index **2,600,000**

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 rwa.054@701

Report # 3202



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