

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 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  
MERIDIAN OIL INC.

3. Address and Telephone No.  
P.O. Box 51810, Midland, TX 79710-1810 915-688-6943

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1650' FNL & 2310' FWL  
SEC. 13, T18S, R32E

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

5. Lease Designation and Serial No.

NM 56745

6. If Indian, Allottee or Tribe Name

30-095-30766

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
SHINNERY FEDERAL NO. 5

9. API Well No.  
30-025-30766

10. Field and Pool, or exploratory Area  
WEST CORBIN DELAWARE

11. County or Parish, State  
LEA 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 WATER DISPOSAL
- ☐ 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.)\*

1. WATER IS PRODUCED FROM THE DELAWARE FORMATION.
2. APPROXIMATELY 160 BOW/PD IS PRODUCED.
3. CURRENT WATER ANALYSIS IS ATTACHED.
4. WATER IS STORED IN A 500 BBL FIBERGLASS CLOSED TOP TANK
5. WATER IS REMOVED THRU A 4" ABOVE GROUND POLY LINE TO THE DISPOSAL SITE.
6. WATER IS DISPOSED AT THE SOUTHLAND ROYALTY COMPANY'S WEST CORBIN FEDERAL NO. 16 SWD. THIS WELL IS LOCATED IN SEC. 7, T18S, R33E (LC 069420),
7. SEE ATTACHED PERMIT

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

Signed

Title PRODUCTION ASSISTANT

Date 9/7/94

(This space for Federal or State office use)

Approved by Orig. Signed by Adam Salameh

Title Petroleum Engineer

Date 11/15/94

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.

(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.

TRETOLITE DIVISION

(915) 682-4301  
Fax (915) 684-7873

Reply to:  
P.O. Box 60180  
Midland, TX 79711-0180

WATER ANALYSIS REPORT

Company : MERIDIAN OIL COMPANY  
Address : ARTESIA, NEW MEXICO  
Lease : SHINNERY FEDERAL  
Well : NO. 5  
Sample Pt.

Date : 7-6-94  
Date Sampled : 6-23-94  
Analysis No. : 1769

ANALYSIS		mg/L	* meq/L
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1.	pH	6.4	
2.	H2S	5 PPM	
3.	Specific Gravity	1.160	
4.	Total Dissolved Solids	240551.3	
5.	Suspended Solids		
6.	Dissolved Oxygen		
7.	Dissolved CO2	740 PPM	
8.	Oil In Water		
9.	Phenolphthalein Alkalinity (CaCO3)		
10.	Methyl Orange Alkalinity (CaCO3)		
11.	Bicarbonate	HCO3 85.0	HCO3 1.4
12.	Chloride	Cl 149000.0	Cl 4203.1
13.	Sulfate	SO4 721.0	SO4 15.0
14.	Calcium	Ca 18200.0	Ca 908.2
15.	Magnesium	Mg 4433.0	Mg 364.7
16.	Sodium (calculated)	Na 67742.8	Na 2946.6
17.	Iron	Fe 1.5	
18.	Barium	Ba 0.0	
19.	Strontium	Sr 368.0	
20.	Total Hardness (CaCO3)	63764.0	

RECEIVED  
OCT 13 1 09 PM '94  
BUREAU OF LAND MGMT.  
HOBBBS, NM.

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter				Compound	Equiv wt	X meq/L	=	mg/L
+-----+				+-----+				
908	*Ca <-----	*HCO3	1	Ca(HCO3)2	81.0	1.4		113
	/----->			CaSO4	68.1	15.0		1022
365	*Mg ----->	*SO4	15	CaCl2	55.5	891.8		49485
	<-----/			Mg(HCO3)2	73.2			
2947	*Na ----->	*Cl	4203	MgSO4	60.2			
+-----+				+-----+				
Saturation Values Dist. Water 20 C								
CaCO3		13 mg/L		NaHCO3	84.0			
CaSO4 * 2H2O		2090 mg/L		Na2SO4	71.0			
BaSO4		2.4 mg/L		NaCl	58.4	2946.6		172201

REMARKS: HOLLINGER - BENNETT - FILE