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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

DO NOT use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
JR OIL LTD CO.

3a. Address  
3500 ACOMA HOBBS NM 88240

3b. Phone No. (include area code)  
575-390-0366

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NENW 13 255-375

5. Lease Serial No.  
NMNM0766

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No  
BLANCHARD 1,2,3

9. API Well No.  
30025-1155/11554/11555

10. Field and Pool, or Exploratory Area  
LANGLIE MOUNTAIN TRAIL-GR-GB

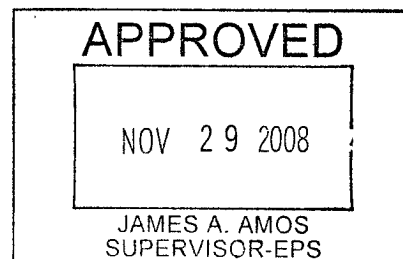
11. County or Parish, State  
LEA COUNTY NM

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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input 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 checked="" 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 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.)

APPROVAL FOR WATER DISPOSAL - SEE ATTACHED



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

RALPH C BEVON

Title MEMBER

Signature

Date 11-18-08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*[Signature]*

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.

The following information is needed before your disposal of produced water can be approved, per Onshore Oil & Gas Order #7.

You may attach this information to your Sundry Notice (3160-5). Submit all required information as per this attachment, submit a Sundry Notice(3160-5), one original and five copies to this office within the required time.

1. Name(s) of all formation(s) producing water on the lease. JALMAY
2. Amount of water produced from all formations in barrels per day. 10
3. 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.
4. How water is stored on the lease. 210 OPEN TOP SUBSURFACE TANK
5. How water is moved to the disposal facility. TRUCKED BY VICTORY SERVICES
6. Identify the Disposal Facility by:
  - A. Operators' Name RUTHIO OIL CO. LLC
  - B. Well Name NE HOBBS SAN ANDRES SWP
  - C. Well type and well number SWD
  - D. Location by quarter/quarter, section, township, and range E 30-18S-39E
7. A copy of the Underground Injection Control Permit - issued for the injection well by the Environmental Protection Agency or New Mexico Oil Conservation Division where the State has achieved primacy.



Company: J R Oil Company  
 Number: 9841  
 Source: Gunbarrel Water dump

Location: Blocker Battery  
 Date Sampled: November 2, 2008  
 Salesman: Junior Garcia  
 Attention:

ANALYSIS	mg/L	EQ. WT.	MEQ/L
1. pH	7.33		
2. Specific Gravity 60/60 F	1.002		
3. Hydrogen Sulfide	ND		
4. Carbon Dioxide	Not Determined		
5. Dissolved Oxygen	ND		
6. Hydroxyl (OH <sup>-</sup> )	0	/ 17.0	= 0.00
7. Carbonate (CO <sub>3</sub> <sup>-2</sup> )	0	/ 30.0	= 0.00
8. Bicarbonate (HCO <sub>3</sub> <sup>-</sup> )	427	/ 61.1	= 6.99
9. Chloride (Cl <sup>-</sup> )	1,000	/ 35.5	= 28.17
10. Sulfate (SO <sub>4</sub> <sup>-2</sup> )	238	/ 48.8	= 4.88
11. Calcium (Ca <sup>+2</sup> )	401	/ 20.1	= 19.95
12. Magnesium (Mg <sup>+2</sup> )	243	/ 12.2	= 19.92
13. Sodium (Na <sup>+</sup> )	4	/ 23.0	= 0.17
14. Barium (Ba <sup>+2</sup> )	ND		
15. Total Soluble Iron (Fe)	0.0		
16. Dissolved Solids	2,313		
17. Filterable Solids	ND		
18. Total Solids	2,313		
19. Total Hardness As CaCO <sub>3</sub>	2,002		
20. Suspended Oil	0.0000		
21. Volume Filtered (ml)	0		
22. Resistivity @ 75 °F (calculated)	3.5480 /cm.		

23. CaCO<sub>3</sub> Saturation Index

@ 80 °F	0.7762
@ 100 °F	1.0262
@ 120 °F	1.2862
@ 140 °F	1.4762
@ 160 °F	1.6862

## PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	MEQ/L	= mg/L
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		6.99	566
CaSO <sub>4</sub>	68.07		4.88	332
CaCl <sub>2</sub>	55.50		8.08	448
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		0.00	0
MgSO <sub>4</sub>	60.19		0.00	0
MgCl <sub>2</sub>	47.62		19.92	949
NaHCO <sub>3</sub>	84.00		0.00	0
NaSO <sub>4</sub>	71.03		0.00	0
NaCl	58.46		0.17	10

24. CaSO<sub>4</sub> Supersaturation Ratio

@ 70 °F	0.2153
@ 90 °F	0.2087
@ 110 °F	0.2070
@ 130 °F	0.2104
@ 150 °F	0.2205

Ratio Greater than 1 indicates Scale

Zondra Pointer  
 Analysis By:

*For the Commission*  
*A.P.P.*

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 3844  
Order No. R-3500

APPLICATION OF RICE ENGINEERING  
& OPERATING, INC., FOR SALT WATER  
DISPOSAL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 21, 1968,  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 12th day of September, 1968, the Commission,  
a quorum being present, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully advised  
in the premises,

FINDS:

(1) That due public notice having been given as required by  
law, the Commission has jurisdiction of this cause and the subject  
matter thereof.

(2) That the applicant, Rice Engineering & Operating, Inc.,  
is the owner and operator of the Hobbs East San Andres SWD Well  
No. F-30 (formerly the Humble Oil & Refining Company S. E. Cain  
Well No. 1), located in Unit F of Section 30, Township 18 South,  
Range 39 East, NMPM, Hobbs East San Andres Pool, Lea County,  
New Mexico.

(3) That the applicant proposes to utilize said well to  
dispose of produced salt water into the Queen, San Andres, and  
Glorieta formations in the perforated intervals at approximately  
3808-3834, 3962-3992, 5248-5261, and 5980-6054 feet.

(4) That the injection should be accomplished through 2 1/2-  
inch plastic-lined tubing; that the casing-tubing annulus should  
be filled with an inert fluid; and that a pressure gauge should  
be attached to the annulus or the annulus left open at the surface  
in order to determine leakage in the tubing or casing.

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CASE No. 3844  
Order No. R-3500

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Rice Engineering & Operating, Inc., is hereby authorized to utilize its Hobbs East San Andres SWD Well No. F-30 (formerly the Humble Oil & Refining Company S. E. Cain Well No. 1), located in Unit F of Section 30, Township 18 South, Range 39 East, NMPM, Hobbs East San Andres Pool, Lea County, New Mexico, to dispose of produced salt water into the Queen, San Andres, and Glorieta formations, injection to be through 2 1/2-inch tubing into the perforated intervals from approximately 3962-3992, 5248-5261, and 5980-6064 feet;

PROVIDED HOWEVER, that prior to said utilization, the applicant shall cause the perforated interval from 3808 feet to 3834 feet in the subject well to be squeezed with a minimum of 75 sacks of cement and the 4-inch liner set at 6480 feet to be perforated above 5200 feet and additional cementing of said liner effected to ensure the annular space is cemented from said liner shoe back into the 5 1/2-inch casing set at 4464 feet;

PROVIDED FURTHER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus left open at the surface in order to determine leakage in the tubing or casing.

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID E. CARCO, Chairman

GUSTON D. HAYS, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

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