

N.M. Oil Cons. Division
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1625 N. French Dr.
Hobbs, NM 88240

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

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.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

SAMSON RESOURCES COMPANY

3a. Address

Two West Second Street, Tulsa, OK 74103

3b. Phone No. (include area code)

918-583-1791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FNL & 2310' FWL of Section 26-22S-34E

5. Lease Serial No.

NMNM43564

6. If Indian, Allottee, or Tribe Name

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Ojo Chiso #1

9. API Well No.

30-025-30604-0000

10. Field and Pool, or Exploratory Area

Antelope Ridge

11. County or Parish, State

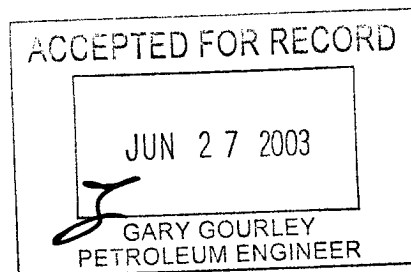
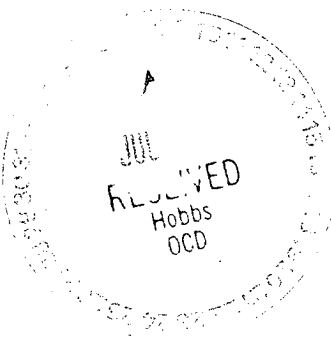
Lea County, NM

12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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 or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 Notice shall be filed only after all requirements, including reclamatantion, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached.



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

Name (Printed/ Typed)

J.L. Farrell, III

Signature

Title

District Engineer

Date

6/16/2003

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

GW

Water Production & disposal Information

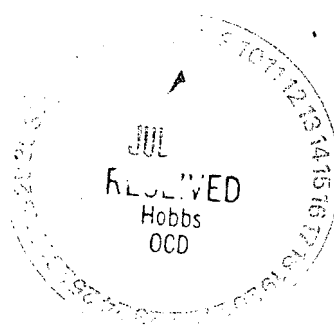
OJO CHISO #1

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

1. Name of formations producing water on the lease. ATOKA
2. Amount of water produced from all formations in barrels per day. Avg. 2 bbls/day
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 the water is commingled)
4. How water is stored on the lease. 210 Bbl. tank
5. How water is moved to the disposal facility. Trucked by Maclasky Trucking
6. Identify the Disposal Facility by :
 - A. Facility operators name. E M E SWD "G" Well No. 8
 - B. Name of facility or well name & number. Rice Operating Company
 - C. Type of facility or well (WDW) (WIW) etc. WIW
 - D. Location by 1/4 1/4 section 8 township 20S range 37E
7. Attach a copy of the State issued permit for the Disposal Facility.

Attached

Submit to this office, 414 West Taylor, Hobbs, NM 88240, the above required information on a Sundry Notice 3160-5. Submit 1 original and 5 copies, within the required time frame. (This form may be used as an attachment to the Sundry Notice.) Call me at 505-393-3612 if you need to further discuss this matter.



**Laboratory Services, Inc.**4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-8713**Water Analysis****COMPANY** Samson Resources**SAMPLE** Ojo Chiso #1**SAMPLED BY** Larry-Champion Technologies**DATE TAKEN** 6/10/03**REMARKS**

Barium as Ba	100
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	200
pH at Lab	7.2
Specific Gravity @ 60°F	1.05
Magnesium as Mg	696
Total Hardness as CaCO3	1,200
Chlorides as Cl	3,883
Sulfate as SO4	0
Iron as Fe	0
Potassium	14
Hydrogen Sulfide	0
Rw	1.6
Total Dissolved Solids	5,480
Calcium as Ca	504
Nitrate	22

@ 20° C

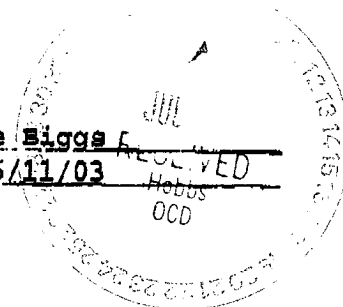
Results reported as Parts per Million unless stated**Langelier Saturation Index**

0.1

Analysis by:

Vickie Biggs

Date:

6/11/03

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING.
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7424
Order No. R-6855

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

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on November 19, 1981, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 18th day of December, 1981, the Division Director, 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 Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Rice Engineering and Operating, Inc., is the owner and operator of the Eunice-Monument Eumont SWD "G" Well No. 8, located in Unit G of Section 8, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes to utilize said well to dispose of produced salt water into the Lower San Andres formation, with injection into the perforated interval from approximately 4300 feet to 4852 feet.
- (4) That the injection should be accomplished through 5 1/2-inch plastic lined tubing under an oil blanket; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing or tubing.

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(5) That if injection is at pressure greater than hydrostatic pressure, the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 860 psi.

(6) That the operator should notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(7) That the operator should report to the supervisor of the Hobbs district office of the Division at the start of disposal operations the gravity and level of the inert fluid in the annulus.

(8) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(9) 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 and Operating, Inc., is hereby authorized to utilize its Eunice-Monument Eumont SWD "G" Well No. 8, located in Unit G of Section 8, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, to dispose of produced salt water into the Lower San Andres formation, injection to be accomplished through 5 1/2-inch tubing with injection under an oil blanket into the perforated interval from approximately 4300 feet to 4852 feet;

PROVIDED HOWEVER, 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 shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That, if injection is at greater than hydrostatic pressure, the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 860 psi.

(3) That the operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of

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Order No. R-6855

the installation of disposal equipment so that the same may be inspected.

(4) That the operator shall report to the supervisor of the Hobbs district office of the Division at the start of disposal operations the gravity and level of the inert fluid in the annulus.

(5) That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing or casing in said well or the leakage of water or the inert fluid from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

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

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

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