

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

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

SUNDRY NOTICES AND REPORTS  
**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.  
NM 0202296

6. If Indian, Allottee or Tribe Name

**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)

3630' FSL 660' FEL of Section 2-21S-32E

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

8. Well Name and No.  
Minis 2 (R) Federal #1

9. API Well No.  
30-025-34449-0000

10. Field and Pool, or Exploratory Area  
Wildcat, Delaware

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 checked="" 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 recompleate 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 recompleation 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.)

Samson Resources respectfully requests approval to dispose of produced water from this lease to the Marathon SWD (NM 092534). Attached please find: Water analysis, completed form regarding water disposal method, disposal well information and a copy of the disposal well permit.

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

Kevin C. Olson

Title District Engineer

Signature

*Kevin C. Olson*

Date 2/26/03

**APPROVED**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ORIG. SGD) DAVID P. GLASS

Title

Date

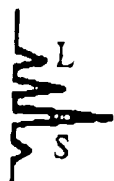
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

GW

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**



# Laboratory Services, Inc.

4018 Fiesta Drive  
Hobbs, New Mexico 88240  
Telephone: (505) 397-3713

## Water Analysis

COMPANY Samson

SAMPLE Minis 1-2

SAMPLED BY Champion

DATE TAKEN

REMARKS

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	60
pH at Lab	5.17
Specific Gravity @ 60°F	1.205
Magnesium as Mg	50,982
Total Hardness as CaCO <sub>3</sub>	87,900
Chlorides as Cl	179,627
Sulfate as SO <sub>4</sub>	300
Iron as Fe	8
Potassium	30
Hydrogen Sulfide	0
Rw	0.05
Total Dissolved Solids	268,200
Calcium as Ca	36,918
Nitrate	0

Results reported as Parts per Million unless stated

Langlier Saturation Index 0.73

Analysis by: Vickie Biggs  
Date: 1/10/03

## 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. Delaware
2. Amount of water produced from all formations in barrels per day. 55
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 ) ATTACHED
4. How water is stored on the lease. 500 bbl. steel water tank
5. How water is moved to the disposal facility. Truck
6. Identify the Disposal Facility by :
  - A. Facility operators name. Owner - L-Chem, Hobbs, NM (505) 391-0501
  - B. Name of facility or well name & number. Marathon SWD, NM092534
  - C. Type of facility or well (WDW)(WIW) etc. WDW
  - D. Location by 1/4 1/4 SW C section 25 township 19S range 34F
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.

**The following information is for Samson leases hauled into Marathon Swd by Plains All American.**

**Owner L-Chem, Hobbs, NM 505 391-0501**

**Disposal well name: Marathon Swd, Disposal water pumped down the hole with a tri-plex**

**State ID: NM092534**

**T19S-R34E NMTM SEC25-SWC**

Mike Meeler



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

620 E. Greene St.

Carlsbad, New Mexico 88220

Tel. (505) 234-5972

Fax (505) 885-9264

OCT 30 2001

IN REPLY REFER TO:  
NM-92534  
2800(080)bky

DECISION

## Assignor:

Subsurface Water Disposal Inc.  
Right-of-Way Dept.  
P. O. Box 1002  
Hobbs, NM 88241-1002

Right-of-Way  
NM-92534  
Government E #1

## Assignee:

LouRay Oil Co., L.L.C.  
Right-of-Way Dept.  
P. O. Box 2081  
Lovington, NM 88260

Assignment Approved

The assignment of all rights, title, and interest in the above listed right-of-way grant is approved.

The assignment is subject to the terms and conditions of the original right-of-way grant.

Acceptable evidence of the qualifications of the assignee is of record in this office.

If you have any questions, please contact Bobbe Young at (505) 234-5963.

/s/ NOE GONZALEZ

FOR

Leslie A. Theiss  
Field Manager

Attn:  
Regan  
HASKINS

625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural ResourcesOil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505Form C-104A  
March 19, 2001Submit 1 copy of the final affected wells  
list along with 1 copy of this form per  
number of wells on that list to appropriate  
District Office

## Change of Operator

## Previous Operator Information:

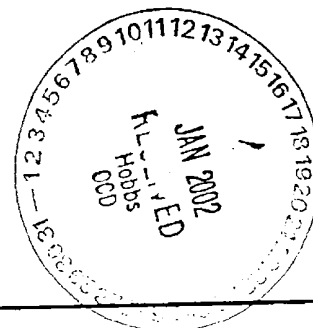
OGRID: 123503  
Name: Subsurface Water Disposal, Inc.  
Address: P.O. Box 1002  
Address: \_\_\_\_\_  
City, State, Zip: Hobbs, New Mexico 88240

## New Operator Information:

Effective Date: October 1, 2001  
New Ogrid: 210510  
New Name: LouRay Oil Co., L.L.C.  
Address: \_\_\_\_\_  
Address: P.O. Box 2081  
City, State, Zip: Lovington, NM 88260

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator

Signature: *Louis G. Edgett*Printed name: LOUIS G. EDDETTTitle: PRESIDENTDate: OCT. 1 2001 Phone: 505-391-0501

Previous operator complete below:

Previous Operator: Subsurface Water Disp.  
Previous OGRID: 123503  
Signature: *Howell B. DeClart*  
Printed Name: Howell B. DeClart

## NMOCD Approval

Signature: *Gary W. Wink*  
Printed Name: GARY W. WINK  
District: OO FIELD REPRESENTATIVE II/STAFF MANAGER  
Date: 3/21/02