

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.  
NM2244

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Sarah B #1

9. API Well No.  
30-025-32116

10. Field and Pool, or Exploratory Area  
Cline-Tubb & Lwr Pdk/Blaby

11. County or Parish, State  
Lea

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  
Samedan Oil Corporation

3. Address and Telephone No.  
12600 Northborough, #250, Houston, Tx 77067 (713)876-6150

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990 FSL & 710 FEL, Sec 11, T-23S, R-37E

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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other NTL-2B Report
	Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)\*

Well Name - Sarah B Well #1

Producing Formation - Cline- Tubb & Lower Paddock/Blinybry  
DownHole Comingling Permit #DHC-981

Volume - 80 Bbls Water Per Day

Storage facility on location - one 500 Bbl Steel Welded Tank

Hauler of Produced water - Chaparrel

Disposal Well - Lea #1B  
Sec 17, T-23S, R-37 E, Lea County

SWD Permit Number - #292

Water Analysis Attached

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

Signed Judy Thronberry Title Division Production Clerk Date 04/07/94

(This space for Federal or State office use)  
Orig. Signed by Shannon J Shaw

Approved by Patroleum Engineer Title Patroleum Engineer Date 5/5/94

Conditions of approval, if any:

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APR 15 12:20 PM '94



P.O. BOX 2187  
JBS, N.M. 88240

PHONE: (505) 393-7726

## WATER ANALYSIS REPORT

Report for:

CC:

CC:

CC:

Company: Samedan Oil

Address:

Service Engineer: Mike Carson

Date sampled: 04-06-94

Date reported: 04-08-94

Lease or well #: Sarah #142

County: State:

Formation:

Depth:

Submitted by: Mike Carson

CHEMICAL COMPOSITION :

	mg/L	meq/L
Chloride (Cl)	66000	1862
Iron (Fe) (total)	18.0	
Total hardness	22400	
Calcium (Ca)	5854	292
Magnesium (Mg)	1895	152
Bicarbonates (HCO <sub>3</sub> )	317	5
Carbonates (CO <sub>3</sub> )	n/a	
Sulfates (SO <sub>4</sub> )	1643	34
Hydrogen sulfide (H <sub>2</sub> S)	n/a	
Carbon dioxide (CO <sub>2</sub> )	n/a	
Sodium (Na)	33508	1457
Total dissolved solids	109219	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity

1.078

Density (#/gal.)

8.984

pH

6.600

IONIC STRENGTH

2.14

Stiff-Davis (CaCO<sub>3</sub>) Stability Index :

SI = pH - pCa' - pAlk - K

SI @ 86 F = +0.28

104 F = +0.51

122 F = +0.77

140 F = +1.06

158 F = +1.38

This water is 661 mg/l (-22.11%) under ITS CALCULATED  
CaSO<sub>4</sub> saturation value at 82 F.

SATURATION= 2990 mg/L

PRESENT= 2329 mg/L

REPORTED BY ROZANNE JOHNSON  
LAB TECHNICIAN

A handwritten signature in black ink, appearing to be "Rozanne Johnson", is written over the printed name and title.

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OFFICE