

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.
LC-064050

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Trigg Federal #1

9. API Well No.
30-015-30956

10. Field and Pool, or Exploratory Area
Red Lake (

11. County or Parish, State
Eddy Co., NM

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

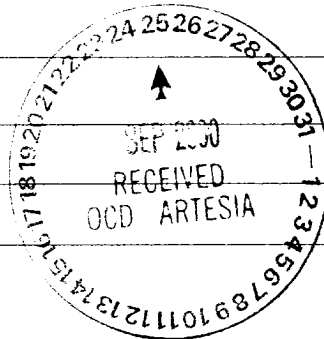
SDX Resources, Inc.

3. Address and Telephone No.

PO Box 5061, Midland, TX 79704 915/685-1761

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

530' FNL 1650' FEL, Unit B
Sec 26, T17S, R27E



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 Temporary ROW
☐ 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.)*

Request approval to dispose of produced water from the Trigg Federal #1 (producing from the Glorietta zone 3238' ^{3392'} 92') into McQuadrangle LWC - Red Lake Grayburg Unit waterflood located in Sec 36, T17S, R27E. Injecting into the Grayburg & San Andres formations.

SDX proposes to lay a 3" SDR-11 poly line on top of the ground from the Trigg Federal Battery located at the Trigg Federal #1 well to McQuadrangle's SWD plant located in Unit L of Sec 36, T17S, R27E. SDX requests approval of a temporary ROW for this line (map attached). An archaeological survey has been requested and will be forwarded when received. Once it is determined that McQuadrangle can successfully handle the additional produced water SDX will apply for a permanent ROW. Site facility diagram will be forwarded upon installation of SWD transfer facilities.

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

Signed Chuck Morgan

Title Engineer

Date 09/07/00

(This space for Federal or State office use)

Approved by (ORIG. SGR.) JOE G. LARA

Title Petroleum Engineer

Date 9/22/2000

Conditions of approval, if any:



Water Analysis Report by Baker Petrolite

SDX RESOURCES

TRIGG FED

WELL #1

WELLHEAD

Account Manager

RANDY ALLISON

Summary		Analysis of Sample 130727 @ 75°F					
Sampling Date	6/12/00	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date	6/20/00	Chloride	125594	3543	Sodium	76879	3344
Analyst	JOANNA RAGAN	Bicarbonate	255	4.18	Magnesium	839	69.0
		Carbonate	0.00	0.00	Calcium	3626	181
TDS (mg/l or g/m ³)	210843	Sulfate	3037	63.2	Strontium	59.0	1.35
Density (g/cm ³ or tonne/m ³)	1.138	Phosphate	N/A	N/A	Barium	0.08	0.00
Anion/Cation Ratio	1.00	Borate	N/A	N/A	Iron	2.50	0.09
		Silicate	N/A	N/A	Potassium	512	13.1
Carbon Dioxide					Aluminum	N/A	N/A
Oxygen					Chromium	N/A	N/A
					Copper	N/A	N/A
		pH at time of sampling		7.50	Lead	N/A	N/A
		pH at time of analysis		6.62	Manganese	39.0	1.42
		pH used in Calculations		7.50	Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										
Temp.	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ · 2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press.
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0.	1.24	21.0	-0.00		0.03	69.0	-0.17		0.08	0.01	0.06
100	0.	1.15	23.0	-0.09		0.01	26.5	-0.20		-0.13		0.11
120	0.	1.08	25.0	-0.16		0.02	41.2	-0.22		-0.31		0.18
140	0.	1.02	27.3	-0.22		0.05	104	-0.23		-0.48		0.27

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is actually the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

Water Analysis Report by Baker Petrolite

McQUADRANGLE L.C.

S.R.L.G.U. WATERFLOOD

Account Manager
RANDY ALLISON

INJECTION TANK

Summary			Analysis of Sample 157603 @ 75°F					
Sampling Date	8/25/00		Anions	<i>mg/l</i>	<i>meq/l</i>	Cations	<i>mg/l</i>	<i>meq/l</i>
Analysis Date	8/30/00		Chloride	32000	903	Sodium	19452	846
Analyst	JOANNA RAGAN		Bicarbonate	622	10.2	Magnesium	857	70.5
			Carbonate	0.00	0.00	Calcium	1313	65.5
TDS (mg/l or g/m ³)	58078.3		Sulfate	3606	75.1	Strontium	37.0	0.84
Density (g/cm ³ or tonne/m ³)	1.040		Phosphate	N/A	N/A	Barium	1.00	0.01
Anion/Cation Ratio	1.00		Borate	N/A	N/A	Iron	1.00	0.04
			Silicate	N/A	N/A	Potassium	189	4.83
Carbon Dioxide	100 PPM					Aluminum	N/A	N/A
Oxygen			Hydrogen Sulfide		90 PPM	Chromium	N/A	N/A
						Copper	N/A	N/A
			pH at time of sampling		7.00	Lead	N/A	N/A
			pH at time of analysis			Manganese	N/A	N/A
			pH used in Calculations		7.00	Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										
Temp.	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ · 2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press.
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0.	0.58	41.6	-0.13		-0.17		0.09	5.09	1.65	0.56	0.54
100	0	0.68	51.0	-0.16		-0.14		0.09	4.74	1.48	0.55	0.72
120	0	0.78	61.1	-0.18		-0.08		0.09	4.92	1.34	0.55	0.92
140	0.	0.88	71.6	-0.20		-0.00		0.10	5.54	1.21	0.54	1.17

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is actually the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

