

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210

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

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.
P. O. Box 5061, Midland, TX. 915/685-1761

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 990' FWL, Sec. 22, T19s, R28E, Unit D

5. Lease Designation and Serial No.
LC064670B
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No.
Featherstone Federal #1
9. API Well No.
30-015-02286
10. Field and Pool, or Exploratory Area
Millman, QN-GB-SA, East
11. County or Parish, State
Eddy Co., NM

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

- ☐ 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 1)

Other: Approval for H₂O Disposal

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.)

Produced water from SDX Resources' Featherstone Federal #1 is transferred via a 2 inch plastic line to a 210 barrel fiberglass tank at the SDX Welch Federal Battery. It is piped via a 2 inch plastic flowline to SDX Resources East Millman Unit waterflood plant (NMOCD Approval No. R2405, located in the NE/4, NE/4, Sec. 22, T19S, R28E) and used for makeup water. Alternatives disposal would be for I&W Inc. (Permit to their Walter Solt State #1 injection well (SWD #318), located in Unit L of S 5, T18S, R28E, Eddy Co., NM. Production is out of the Queen formation (Water analysis, C-115, and facility diagram attached).

RECEIVED

NOV 28 1995

OIL CON. DIV.
DIST. 2

OCT 23 9 00 AM '95

RECEIVED

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

Signed

Janice Courtney
Janice Courtney

Title Regulatory Tech

Date

10/18/95

(This space for Federal or State office use)

Approved by

John G. Coleman
John G. Coleman

Title

Petroleum Engineer

Date

11/24/95

Conditions of approval, if any

- SEE ATTACHED -

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

(rev. 3/10/94)

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

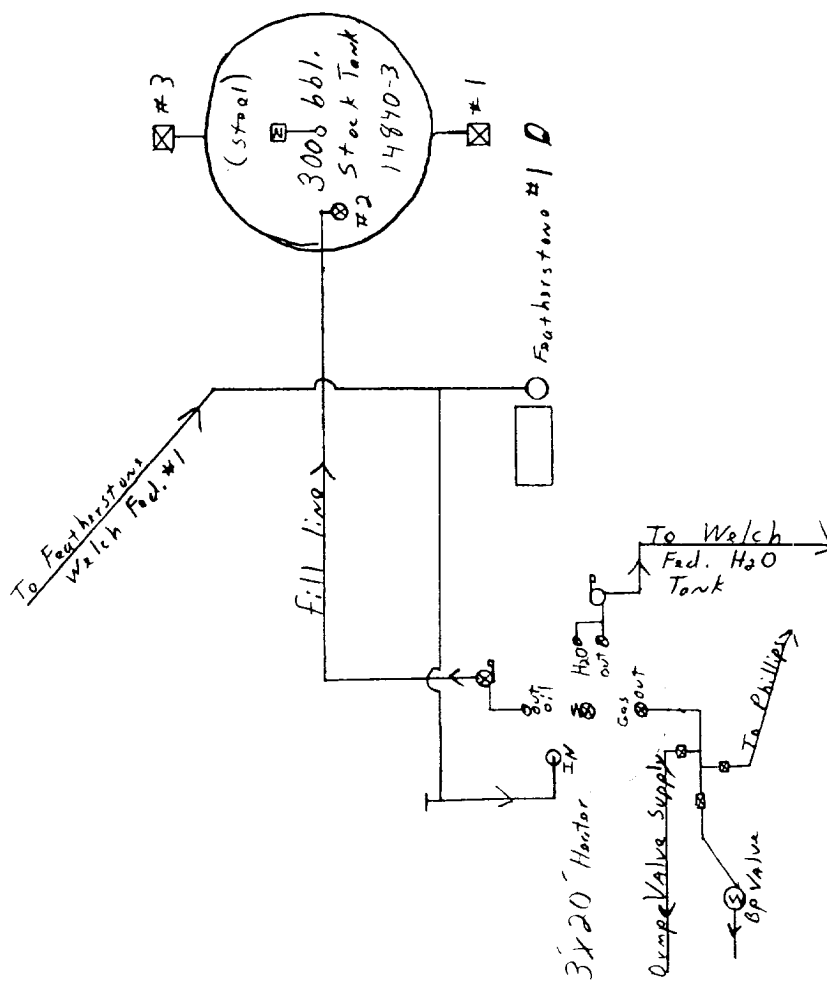
Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
3. This agency shall be notified of any spill or discharge as required by MTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.

SDX Resources, Inc.
 Featherstone Welch Fed. Battery
 Unit D sec. 22 T19S R28E.
 Eddy Co, N.M. LC064670

Facility Diagram



Valve Positions			
Sales		Production	
open	1	open	2
closed	2, 3	closed	1, 3

API WATER ANALYSIS REPORT

COMPANY:	SDX RESOURCES	DATE :	October 12 1995
LEASE AND WELL :	Featherstone Fed	LAB NO. :	H095812
COUNTY, STATE :	Eddy, NM	DATE SAMPLED :	October 12, 1995
FORMATION :		SAMPLE POINT :	LOCATION
TEMPERATURE (BHT) :	degrees F	SUBMITTED BY :	Northcutt

API WATER ANALYSIS REPORT

COMPANY:	SDX RESOURCES	DATE :	October 12 1995
LEASE AND WELL :	Featherstone Fed	LAB NO. :	H095813
COUNTY, STATE :	Eddy, NM	DATE SAMPLED :	October 12, 1995
FORMATION :		SAMPLE POINT :	LOCATION
TEMPERATURE (BHT) :	degrees F	SUBMITTED BY :	Northcutt

Specific Gravity = 1.055 @ 77 degrees F pH = 7.0

Anions

							Ionic Strength	
	Factor	ml	Sample	mg/l	Factor	me/l	(mg/l)	(me/l)
Chlorides	3545	14.5	1	51402.3	0.0282	1449.55	0.7196	0.7248
Sulfates		0	1	3500.0	0.0258	72.80	0.0735	0.0726
Carbonates	60	0.0	0		0.3333	0.00	0.0000	0.0000
Bicarbonates	1000	8.2	10	820.0	0.0164	13.45	0.0066	0.0067
Hydroxide	279			0.0	0.0589	0.00		

Cations

							Ionic Strength	
	Factor	ml	Sample	mg/l	Factor	me/l	(mg/l)	(me/l)
Barium				0.0	0.0148	0.00		
Calcium	401	4.6	1	1844.6	0.0499	92.05	0.0922	0.0920
Magnesium	243	6.1	1	1482.3	0.0823	121.99	0.1215	0.1220
Iron		0		0.0	0.0537	0.00		
Sodium				30385.3	0.0435	1321.76	0.6685	0.6609
Total Dissolved Solids =				89435		3072		
Total Ionic Strength =							1.6819	1.6792

Tested By: Greg Daniel

INJECTION			PRODUCTION					DISPOSITION OF OIL, GAS AND WATER								
POOL NO. AND NAME Property No. and Name Well No. & U-L-S-T-R API No.	C O D E	Volume E	Pressure E	C O D E	Barrels of Oil/ Condensate Produced	Barrels of Water Produced	MCF Gas Produced	Days Prod- uced	C O D E	Point of Disposition	Gas BTU or Oil API Gravity	Oil on hand at beginning of month	Volume (Bbls/Mcf)	Transported OGRID	C O D E	Oil on hand at end of month
016 E - 23-19S-35E 30-025-03195	S				0	0	0									
018 L - 23-19S-35E 30-025-03196	T				0	0	0									
019 K - 23-19S-35E 30-025-03199	S				0	0	0									
020 J - 23-19S-35E 30-025-03200	S				0	0	0									
021 I - 23-19S-35E 30-025-03201	S				0	0	0									
022 L - 24-19S-35E 30-025-20219	S				0	0	0		O	2239610		130	2438			130
TOTALS (1)		2438			0	2438	0		W							
79240 JALMAT TANSILL YATES SEVEN RIVERS (PRO GAS)																
017002 MEYERS FEDERAL 001 H - 22-24S-36E 30-025-09604	F				0	0	0	31	G	0947030		0				0
TOTAL (9)					0	0	229	31	G	0946930	1139	0	229	020809		0
016258 ARNOTT RAMSEY 001 P - 02-25S-36E 30-025-09721	F				0	0	0									
TOTAL (1)					0	0	0		O	2239810		0				
81365 MILLMAN MORROW, SOUTH (GAS) 009816 EXXON B STATE COM 001 G - 29-19S-28E 30-015-22402	S				0	0	0									
46555 MILLMAN-QUEEN-GRAYBURG-SAN ANDRES, EAST 009817 FEATHERSTONE FEDERAL 001 D - 22-19S-28E 30-015-02286	P				32	0	0	31	O	2230510	35.7	89	91	015694		30
TOTAL (1)					32	0	0	31	O	2230510						
46580 MILLMAN-SEVEN RIVERS, EAST 009818 FEATHERSTONE-WELCH FEDERAL 001 E - 22-19S-28E 30-015-02295	P				24	19	0	31	O	2230510 2230550	35.7	64	66 19	015694		22
TOTAL (1)					24	19	0	31	W							