

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
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 Site Facility

RECEIVED

2. Name of Operator

SDX Resources, Inc.

JAN 16 2004

3. Address and Telephone No.

PO Box 5061, Midland, TX 79704 432/685-1761

OCD-ARTESIA

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

590' FSL 2185' FWL
Unit N, Sec 29, T17S, R28E

5. Lease Designation and Serial No.
NM-048344

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. #1
Williams A Federal Site Facility

9. API Well No.

30-015-31271
10. Field and Pool, or Exploratory Area
Red Lake, QN-GB-SA

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

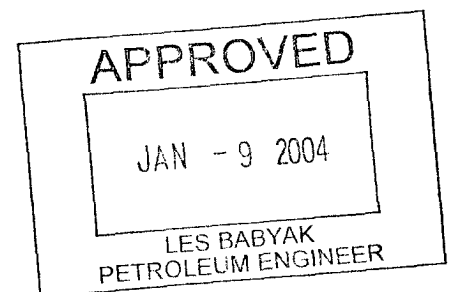
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Attached H2O Sample.

Produced water will be transferred from the Williams A Federal wells via a 3" poly flowline to SDX's NorthWest Artesia Unit for disposal into approved injection wells NWAU #3, #6 & #15 (NMOCD R#4727).



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

Signed Bonnie C. Stwater Title Regulatory Tech

Date 01/06/04

(This space for Federal or State office use)

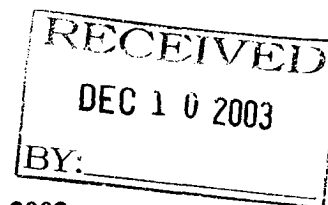
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Pro-Kem, Inc.

WATER ANALYSIS REPORT



SAMPLE

Oil Co. : **SDX Resources**
 Lease : **Williams "A" Fed.**
 Well No.: **# 1**
 Location:
 Attention:

Date Sampled : **18-November-2003**
 Date Analyzed: **04-December-2003**
 Lab ID Number: **Dec0403.001- 4**
 Salesperson :

File Name : F:\ANALYSES\Dec0403.001

ANALYSIS

1. Ph **5.410**
2. Specific Gravity 60/60 F. **1.148**
3. CACO3 Saturation Index **-0.443**
 @ 80F
 @140F **0.727**

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MGL. EQ. WT. *MEQ/L

100

Not Determined

Not Determined

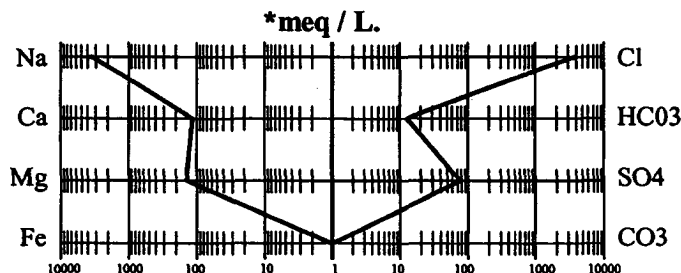
Cations

- | | | | | |
|--------------|--------------------|-----------------------|----------|-----------------|
| 7. Calcium | (Ca++) | 2,204 | / 20.1 = | 109.65 |
| 8. Magnesium | (Mg++) | 1,641 | / 12.2 = | 134.51 |
| 9. Sodium | (Na+) (Calculated) | 77,412 | / 23.0 = | 3,365.74 |
| 10. Barium | (Ba++) | Not Determined | | |

Anions

- | | | | | |
|--------------------------------------|---------|----------------|----------|-----------------|
| 11. Hydroxyl | (OH-) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate | (CO3=) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate | (HCO3-) | 747 | / 61.1 = | 12.23 |
| 14. Sulfate | (SO4=) | 3,600 | / 48.8 = | 73.77 |
| 15. Chloride | (Cl-) | 124,972 | / 35.5 = | 3,520.34 |
| 16. Total Dissolved Solids | | 210,576 | | |
| 17. Total Iron | (Fe) | 4 | / 18.2 = | 0.19 |
| 18. Total Hardness as CaCO3 | | 12,261 | | |
| 19. Resistivity @ 75 F. (Calculated) | | 0.001 | /cm. | |

LOGARITHMIC WATER PATTERN



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*meq/L	= mg/L.
Ca(HCO3)2	81.04		12.23	991
CaSO4	68.07		73.77	5,022
CaCl2	55.50		23.66	1,313
Mg(HCO3)2	73.17		0.00	0
MgSO4	60.19		0.00	0
MgCl2	47.62		134.51	6,405
NaHCO3	84.00		0.00	0
NaSO4	71.03		0.00	0
NaCl	58.46		3,362.17	196,553

Calcium Sulfate Solubility Profile

