

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. LC 065447
2. Name of Operator LOUIS DREYFUS NATURAL GAS CORP.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. Box 370, Carlsbad, NM 88221	3b. Phone No. (include area code) (505) 885-1313	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 990' FNL & 1750' FEL Sec. 13-T20S, R-33E; UL B		8. Well Name and No. Six Shooter 13 Federal #1
		9. API Well No. 30-025-31274
		10. Field and Pool, or Exploratory Area Quail Ridge Morrow
		11. County or Parish, State Lea County, New Mexico

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"/> Altering 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.)

Listed below is the method and site of water hauled from the Six Shooter 13 Federal #1:

1. Morrow formation.
2. Currently averaging .3 bbl water per day.
3. Water analysis attached.
4. 1-210 bbl fiberglass water storage tank.
5. Water hauled by Plains Marketing truck.
6. Disposal site:
Basin Alliance Corp. LLC
Basin Alliance State AJ #1 SWD 119 OCD
Sec. 33, T-18S, R-36E
Lea County, NM
Permit #R-9166
7. Copy of Underground Injection Control Permit attached.

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

Name (Printed Typed) Gene Simer	Title District Operations Manager
Signature <i>Gene Simer</i>	Date 3-06-01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) LES BABYAK	Title PETROLEUM ENGINEER	Date MAR 22 2001
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, 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.

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis**COMPANY** Louis Dreyfus Natural Gas**SAMPLE** Sixshooter 13 #1**SAMPLED BY** Calvin Daniels**DATE TAKEN** 2/27/01**REMARKS**

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	1,048
pH at Lab	6.98
Specific Gravity @ 60°F	1.031
Magnesium as Mg	3,770
Total Hardness as CaCO ₃	6,500
Chlorides as Cl	28,593
Sulfate as SO ₄	0
Iron as Fe	82.5
Potassium	3
Hydrogen Sulfide	0
Rw	0.22
Total Dissolved Solids	36,500
Calcium as Ca	2,730
Nitrate	0

@ 23° C

Results reported as Parts per Million unless stated**Langelier Saturation Index** 1.38

Analysis by: Vickie Biggs

Date: 2/27/01

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 8817
Order No. R-8166

APPLICATION OF POLLUTION CONTROL,
INC. FOR SALT WATER DISPOSAL,
LEA COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on February 5, 1986, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 7th day of March, 1986, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Pollution Control, Inc., is the owner and operator of the L & B Oil Company Inc. State "AJ" Well No. 1, located 2310 feet from the North and East lines (Unit G), of Section 33, Township 18 South, Range 36 East, NMPM, Lea County, New Mexico.

(3) The applicant proposes to utilize said well to commercially dispose of produced salt water into the Abo, Wolfcamp and Devonian formations, with injection into the open hole interval from approximately 5,000 feet to 12,164 feet.

(4) The well is completed from the surface to the top of the open hole injection interval at 5,000 feet in a manner that should adequately serve to protect any fresh water aquifers.

(5) The injection should be accomplished through 2 7/8-inch plastic lined tubing installed in a packer set at approximately 4,950 feet; the casing-tubing annulus should be filled with an inert fluid; and a pressure gauge or approved

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Lea County, New Mexico, to dispose of produced salt water into the Abo, Wolfcamp and Devonian formations, injection to be accomplished through 2 7/8-inch tubing installed in a packer set at approximately 4,950 feet, with injection into the open hole interval from approximately 5,000 feet to 12,164 feet;

PROVIDED HOWEVER THAT, the tubing shall be plastic-lined; the casing-tubing annulus shall be filled with an inert fluid; and a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) The injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 1000 psi.

(3) Prior to commencing injection operations, the casing in the subject well shall be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(4) After commencing injection into the well, the operator shall run an injection tracer survey in order to determine which formations are receiving the injected fluid.

(5) Should the injection well ever cease to take water on a vacuum, the operator shall be required to run an additional injection tracer survey after notifying the supervisor of the Division's Hobbs district office of the date and time of such test.

(6) Copies of such tracer surveys shall be filed with both the Santa Fe and Hobbs offices of the Division.

(7) The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Abo, Wolfcamp and Devonian formations.

(8) The operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment and of the date and time of the mechanical integrity test and the injection tracer survey so that the same may be inspected and witnessed.

(9) The operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the

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leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(6) The injection well or system should be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 1000 psi.

(7) Prior to commencing injection operations, the casing in the subject well should be pressure-tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(8) After commencing injection into the well, the operator should run an injection tracer survey in order to determine which formations are receiving the injected fluid.

(9) Should the injection well ever cease to take water on a vacuum, the operator should be required to run an additional injection tracer survey after notifying the supervisor of the Division's district office in Hobbs of the date and time of the test.

(10) The Director of the Division should be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected waters from the Abo, Wolfcamp and Devonian formations.

(11) The operator should notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment and of the date and time of the mechanical integrity test and the injection tracer survey so that the same may be inspected and witnessed.

(12) The operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(13) Approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Pollution Control, Inc., is hereby authorized to utilize its L & B Oil Company Inc. State "AJ" Well No. 1, located 2310 feet from the North and East lines in Unit G of Section 33, Township 18 South, Range 36 East, NMPM,

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tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(10) The applicant shall conduct disposal operations and submit monthly reports in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.

(11) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



R. L. STAMETS,
Director

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