

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

5. Lease Designation and Serial No.
NM 88139

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Corral Fly "35" Fed Com #1

9. API Well No.
30-015-27381

10. Field and Pool, or Exploratory Area
Owen Mesa (Morrow)

11. County or Parish, State
Eddy, 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

RECEIVED

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Mitchell Energy Corporation

3. Address and Telephone No.

P. O. Box 4000, The Woodlands, TX 77387-4000

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

Unit F, Sec35, T24S, R29E
1980' FNL & 1980' FWL

JUN 15 '94

C. D.
ARTEZIA OFFICE

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.)*

1. All produced water comes from the Morrow.
2. Daily water production averages 2 BPD.
3. A current water analysis is attached.
4. Water is stored in a 210 bbl closed top tank on location.
5. Water is transported to disposal by Rowland Trucking Co, Inc.
6. Water is transported to the Rowland Trucking Co. operated BKE No. 1 SWD located SE/NE, Sec 13, T22S, R27E, Eddy Co., NM.
7. A copy of OCD Order SWD-495 attached.

RECEIVED
MAY 23 8 32 AM '94
C. D.
ARTEZIA OFFICE

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

Signed [Signature] Title Staff Production Engineer Date 5/18/94

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA Title PETROLEUM ENGINEER Date 6/14/94

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

MARTIN WATER LABORATORIES, INC.

P.O. Box 1468 Phone 943-3284 or 563-1040
Monahans, Texas 79756

RESULT OF WATER ANALYSES

709 W. Indiana Phone 688-4521
Midland, Texas 79701

LABORATORY NO. 59486

To: Mr. Greg Colburn

SAMPLE RECEIVED 5-16-94

400 West Illinois, Suite 100, Midland, TX 79701

RESULTS REPORTED 5-16-94

API WATER ANALYSIS REPORT FORM

Company Mitchell Energy		Sample No.		Date Sampled 5-13-94	
Field Owen Mesa		Legal Description Unit F Sec. 35 T-24S & R-29E		County or Parish Eddy	
Lease or Unit Corral Fly 35 Fed		Well Com. #1		Depth	
Type of Water (Produced, Supply, etc.) Produced		Formation Morrow		Water, B/D	
Sampling Point		Sampled By			

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	4,076	177.2
Calcium, Ca	228	11.4
Magnesium, Mg	7	0.6
Barium, Ba	0	0.0

ANIONS

Chloride, Cl	6,392	180.2
Sulfate, SO ₄	123	2.6
Carbonate, CO ₃	0	0.0
Bicarbonate, HCO ₃	390	6.4

Total Dissolved Solids (calc.)

11,216

Iron, Fe (total)

315

12.6

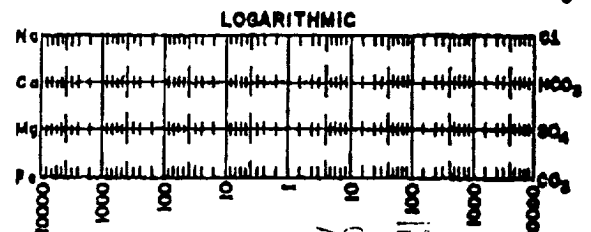
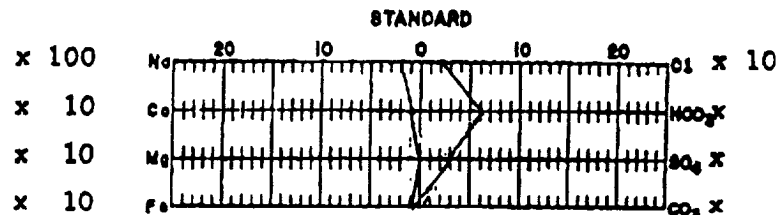
Sulfide, as H₂S

0.0

OTHER PROPERTIES

pH	6.46
Specific Gravity, 60/60 F.	1.0100
Resistivity (ohm-meters) 77°F.	0.560
Total Hardness, CaCO ₃	600

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

Waylan C. Martin, M.A.

SENT BY:A

; 12-20-93 10:03AM ;

44089-

JN 1



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

AMITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 6088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
BOX 827-0800

December 15, 1993

Rowland Trucking Co., Inc.
P.O. Box 340
Hobbs, New Mexico 88241

Attn: Marc L. Wise

Re: Division Order SWD-495

Dear Mr. Wise,

Reference is made to your recent request for an extension to the January 11, 1994 expiration date specified for the subject order. With the understanding that all provisions, including identical well completion will be met, an extension to Division Order SWD-495 is hereby granted.

Division Order SWD-495 will be in full force and effect until July 11, 1993.

Sincerely,


William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Artesia
File SWD-495

RECEIVED

MAY 23 8 33 AM '94

ROWLAND TRUCKING CO., INC.

P.O. BOX 340
HOBBS, NEW MEXICO 88241

PHONE
[505] 397-0189

FAX
[505] 397-0392

December 8, 1993

Mr. David R. Catanach
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, N.M. 87504

Re: Salt Water Disposal Administrative Order No. SWD-495

Dear Mr. Catanach,

The subject SWD order was granted to BK Energy Company allowing water disposal in the B.K.E. No. 1 well. This order expires on January 11, 1994.

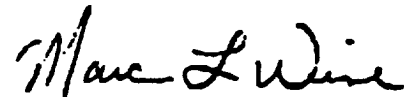
Rowland Trucking, Inc. has completed an agreement with BK Energy Company to purchase the B.K.E. No. 1 well for water disposal. Negotiations with the surface owners are currently in progress, however, it appears that the necessary agreements with the surface owners may not be completed in time to meet the January 11, 1994, expiration date on the subject order.

Rowland Trucking, Inc. is requesting a 6 month extension on the expiration of Order No. SWD-495.

If you have any questions, please call me at (505) 392-6950, Lynx Petroleum Consultants, Inc.

Sincerely,

ROWLAND TRUCKING, INC.



Marc L. Wise
Agent

RECEIVED
MAY 23 8 33 AM '94
CALIF
ARIZ



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED

MAY 15 1993

O. C. D.
APR 14 1993

RECEIVED
MAY 23 8 33 AM '94
CART
AREA

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-6800

ADMINISTRATIVE ORDER SWD-495

APPLICATION OF BK ENERGY COMPANY FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), BK Energy Company made application to the New Mexico Oil Conservation Division on November 2, 1992, for permission to complete for salt water disposal its BKE Well No. 1 located 2310 feet from the North line and 860 feet from the East line (Unit H) of Section 13, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, BK Energy Company is hereby authorized to complete its BKE Well No. 1 located 2310 feet from the North line and 860 feet from the East line (Unit H) of Section 13, Township 23 South, Range 27 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Cherry Canyon formation at approximately 4000 feet to 4340 through 3½-inch fiberglass tubing set in a packer located at approximately 3950 feet.

Administrative Order SWD-495
BK Energy Company
January 11, 1993
Page 2

RECEIVED

MAY 23 8 33 AM '94

GAS
ARE

IT IS FURTHER ORDERED THAT:

The operator shall 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.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 800 psi.

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 Cherry Canyon formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

Administrative Order SWD-495
BK Energy Company
January 11, 1993
Page 3

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 11th day of January, 1993.


WILLIAM J. LEMAY, Director

xc: Oil Conservation Division - Artesia ✓

RECEIVED
MAY 23 8 53 AM '94
OIL
CONSERVATION
DIVISION