

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
1625 N. French Dr.  
Hobbs, NM 88240

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 ☐ Gas ☐  
☒ Well ☐ Well ☐ Other

2. Name of Operator

Primal Energy Corporation

3. Address and Telephone No.

211 Highland Cross, Suite 227, Houston, TX 77073 281-821-5600

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

Sec 15, 24S, 37E, A & H

5. Location and Serial No.

NM-0321613

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jack B 15 #1 & #2

9. API Well No.

30-025-11108 (No. 1)  
30-025-11109 (No. 2) ✓

10. Field and Pool, or Exploratory Area

Langlie Mattix (7 Rivers-Queen)

11. County or Parish, State

Lea, 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.)

See attached.

RECEIVED  
2001 MAY 23 P 1:06  
BUREAU OF LAND MGMT.  
HOBBS, NEW MEXICO

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

Signed

Title Manager, Operations and Engineering

Date 05/21/2001

(This space for Federal or State Office Use)

Approved by

(ORIG. SGD.) DAVID R. GLASS

Title

Date

Conditions of Approval

MAY 30 2001

Title 18 U.S.C. Section 101, 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 Instructions On Reverse Side

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

The following information is needed before your disposal of produced water can be approved, per Onshore Oil & Gas Order #7.

You may attach this information to your Sundry Notice (3160-5). Submit all required information as per this attachment, submit a Sundry Notice(3160-5), one original and five copies to this office within the required time.

1. Name(s) of all formation(s) producing water on the lease. LANGUE MATTIX (TRIVERS, QUEEN)
2. Amount of water produced from all formations in barrels per day. 2 BWPD.
3. A CURRENT water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. ATTACHED
4. How water is stored on the lease. 300 bbl. tank
5. How water is moved to the disposal facility. FLOWLINE from wells to battery and trucks to facility from battery.
6. Identify the Disposal Facility by:
  - A. Operators' Name ATTACHED
  - B. Well Name \_\_\_\_\_
  - C. Well type and well number \_\_\_\_\_
  - D. Location by quarter/quarter, section, township, and range \_\_\_\_\_
7. A copy of the Underground Injection Control Permit - issued for the injection well by the Environmental Protection Agency or New Mexico Oil Conservation Division where the State has achieved primacy. ATTACHED

REACTION CHEMICAL ENTERPRISES, INC.  
P.O. BOX 3868  
ODESSA, TEXAS 79760-3868

## WATER ANALYSIS

Company: **Primal Energy**  
Lease: **Jack B-15**  
Well #: **1**

Date of Analysis: **5/2/01**  
Sample Date: **5/1/01**  
RUN #  
**888**

	<u>Mg./L.</u>	<u>Meq./L.</u>
Total Hardness - CaCO <sub>3</sub>	12,500	
Total Dissolved Solids - TDS	86,250	
Calcium - Ca	1,440	72
Magnesium - Mg	2,163	177
Sodium - Na	0	0
Barium - Ba	> 5	
Bicarbonate - HCO <sub>3</sub>	756.4	12
Carbonate - CO <sub>3</sub>	0	
Sulfate - SO <sub>4</sub>	> 2,500	52
Chloride - Cl	53,000	1,493
Carbon Dioxide - CO <sub>2</sub>	616.0	
Hydrogen Sulfide - H <sub>2</sub> S	170	
Temperature	70.0	
pH	7.4	
Specific Gravity	1.050	
LBS/GAL	8.75	

### STABILITY INDEX (SI-IZ-Davis)

SI = pH - pCa - pAlk - K

Degrees F.     S.I.

77     0.65  
100     0.82  
180     2.15

CaSO<sub>4</sub>     Mg./L.

SOLUBILITY : 5,572

ACTUAL : 3,545

SATURATION % : 63.6

SERVICE ENG. **Jim Pettit**  
ANALYZED BY: **Anthony Mitchell**

REACTION CHEMICAL ENTERPRISES, INC.  
P. O. BOX 3868  
ODESSA, TEXAS 79760-3868

## WATER ANALYSIS

Company: **Primal Energy**  
Lease: **Jack B-15**  
Well #: **2**

Date of Analysis: **5/2/01**  
Sample Date: **5/1/01**  
RUN #  
**869**

	<u>Mg./L.</u>	<u>Meg./L.</u>
Total Hardness - CaCO <sub>3</sub>	12,800	
Total Dissolved Solids - TDS	86,701	
Calcium - Ca	1,560	78
Magnesium - Mg	2,163	177
Sodium - Na	0	0
Barium - Ba	> 6	
Bicarbonate - HCO <sub>3</sub>	805.2	13
Carbonate - CO <sub>3</sub>	0	
Sulfate - SO <sub>4</sub>	> 2,500	52
Chloride - Cl	51,000	1,437
Carbon Dioxide - CO <sub>2</sub>	616.0	
Hydrogen Sulfide - H <sub>2</sub> S	238	
Temperature	70.0	
pH	7.1	
Specific Gravity	1.050	
LBS/GAL	8.75	

### STABILITY INDEX (Stiff-Cavin)

SI = pH - pCa - pAlk - K

Degrees F.    S.I.

77    0.41  
100    0.59  
180    1.92

CaSO<sub>4</sub>    Mg./L.

SOLUBILITY : 5,581

ACTUAL : 3,545

SATURATION % : 63.5

SERVICE ENG. **Jim Pettit**  
ANALYZED BY **Anthony Mitchell**

# RAPID TRANSPORT, INC.

Orla, Texas  
915-273-4421

Jal, New Mexico  
505-395-3016  
505-395-2048

Kermit, Texas  
915-586-6014

MAY 2, 2001

TO: RON WALLER  
915 570-0718

Rapid Transport, Inc. disposes of the Produced Water for  
Primal Energy in the State of New Mexico at the:

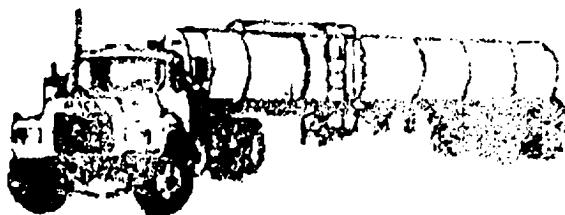
NAME OF WELL: WEST JAL DISPOSAL SWD  
OPERATOR: CHANCE PROPERTIES CO.  
LEGAL DESC. #1G-Sec. 10, T25S, R36E  
ADMIN. ORDER # SWD-272 Division Order # R-7935

IF there are any questions regarding the above, please do  
not hesitate to call.

Sincerely,

*Claretta McElroy*

Claretta McElroy  
Office Manager



P.O. DRAWER L

KERMIT, TEXAS 79745

(915) 586-6014

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

ORDER SWD-272

TONEY ANAYA  
GOVERNOR

POST OFFICE BOX 2000  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5900

THE APPLICATION OF P & O TREATING PLANT

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), P & O Treating Plant made application to the New Mexico Oil Conservation Division on March 16, 1984, for permission to complete for salt water disposal its Meador A Well No. 1 located in Unit G of Section 10, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico.

The Division Director finds:

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

IT IS THEREFORE ORDERED:

That the applicant herein, P & O Treating Plant is hereby authorized to complete its Meador A Well No. 1, located in Unit G of Section 10, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Delaware formation at approximately 5406 feet to approximately 5426 feet through 2 3/8-inch plastic lined tubing set in a packer located at approximately 5375 feet.

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.

RELEASED

That 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.

That 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 1081 psi.

That 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 Delaware formation.

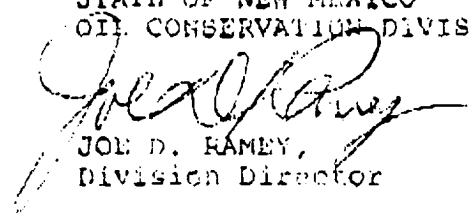
That the operator shall notify the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

That the operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the 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.

PROVIDED FURTHER, That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this \_\_\_\_\_ day  
of May, 1984.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
JOE D. RAMEY,  
Division Director

S E A L



