

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Marbob Energy Corporation

3. Address and Telephone No.

P. O. Drawer 217, Artesia, NM 88210

505-748-3303

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

660 FSL 560 FWL, Sec. 24-T17S-R29E, Unit M

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

LC-028784B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Keely B Federal #24

9. API Well No.

30-015-03068

10. Field and Pool, or Exploratory Area

Grbg Jackson SR Q Grbg SA

11. County or Parish, State

Eddy County, 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 Re-entry

☐ 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.)*

Marbob Energy proposes to drl out cmt plug from 3550 to top of 7" csg, clean out 7" csg to cmt plug @ 9500', log well to determine csg integrity, perf 9265-9299' & tst zone for disposal capability. Either tie back to 7" to surf or run 5 1/2" csg to 9200' & cmt in 2 stages. Prior to running 5 1/2" csg, 7" csg will be perforated @ 6450' to cover top of Abo, 5540' to cover top of Tubb, and 4070' to cover top of Glorieta w/cmt. Treatment of the zone will consist of 1000 gallons 15% NE acif needed. B.O.P. will be installed prior to commencing work.

Attached is a copy of OCD-Santa Fe approval & a copy of form C-108. Administrative Order SWD-521.

**SUBJECT TO
LINE APPROVAL
BY C-108**

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

Signed

Title

Production Clerk

Date

6/24/93

(This space for Federal or State office use)

Approved by

ORIG. SGD. DAVID R. GLASS

Title

Petroleum Engineer

Date

JUN 30 1993

Conditions of approval, if any:

JUN 23 1993



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ADMINISTRATIVE ORDER SWD-521

***APPLICATION OF MARBOB ENERGY CORPORATION FOR SALT WATER DISPOSAL,
EDDY COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Marbob Energy Corporation made application to the New Mexico Oil Conservation Division on May 27, 1993, for permission to complete for salt water disposal its Keely "B" Federal Well No. 24 located 660 feet from the South line and 560 feet from the West line (Unit M) of Section 24, Township 17 South, Range 29 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, Marbob Energy Corporation is hereby authorized to complete its Keely "B" Federal Well No. 24 located 660 feet from the South line and 560 feet from the West line (Unit M) of Section 24, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Upper Penn formation at approximately 9265 feet to 9299 through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 9165 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.

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 1853 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 Upper Penn 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.

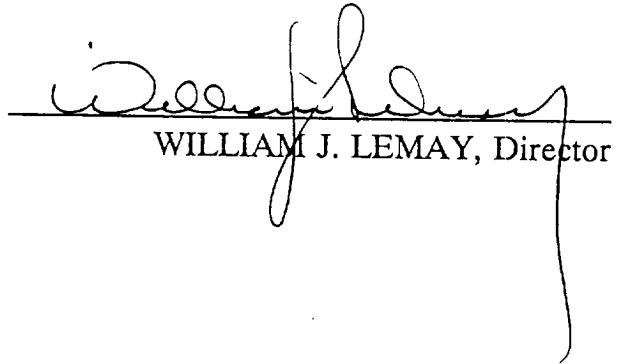
PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner 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-521
Marbob Energy Corporation
June 18, 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 18th day of June, 1993.


WILLIAM J. LEMAY, Director

WJL/BES/amg

xc: Oil Conservation Division - Artesia
US Bureau of Land Management - Carlsbad

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Marbob Energy Corporation
Address: P. O. Drawer 217, Artesia, New Mexico 88210
Contact party: Raye Miller Phone: 505/748-3303
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Raye Miller

Title: Attorney-in-Fact

Signature: Raye Miller

Date: 5/21/93

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

CITRON WELL DATA SHEET

| WELL NO. | FOOTAGE LOCATION | SECTION | TOWNSHIP | RANGE |
|----------|------------------|---------|----------|-------|
| 24 | 660 FSL 560 FWL | 24 | 17S | 29E |

Marbob Energy Corporation Keely B Federal

Schematic

Tabular Data

Surface Casing

Size 13 3/8 " Cemented with 650 sq.

TOC Surface feet determined by circulated

Hole size 15 1/2

Intermediate Casing

Size 9 5/8 " Cemented with 2350 sq.

TOC Surface feet determined by circulated

Hole size 12 1/2

Long string

Size 7 " Cemented with 515 sq.

TOC 6495 feet determined by not reported

Hole size 8 3/4

Total depth 13,341 PBTD 11,424

Injection Interval

9265 feet to 9299 feet
(perforated or open-hole, indicate which)

Perforated

Top 7" @ 3722'

TOC @ 6495'

7" @ 11,149'

Tubing size 2 7/8" lined with plastic coating set in a
(material)
Giberson Uni VI packer at 9000' feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Upper Pennsylvanian
- Name of Field or Pool (if applicable) N/A
- Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil and gas production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Open hole 11,149 to 11,404 set cement plug 11,100 to 11,150 CIBP 9530 w/2sx to 9500'.
Perf 9100-9140 9160-9200 squeezed cmt
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. No underlying pools in 1/2 mile radius, overlying pool
Gravburg Jackson Seven Rivers, Queen, Gravburg, San Andres producing

ATTACHMENT NO. C-108 V
APPLICATION FOR ADMINISTRATIVE APPROVAL

MARBOB ENERGY CORPORATION
KEELY B FEDERAL #24 DISPOSAL WELL
SECTION 24, TOWNSHIP 17 SOUTH, RANGE 29 EAST

