



NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT
FOR RECORD ONLY

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

ADMINISTRATIVE ORDER NO. PMX-213

***APPLICATION OF TEXACO EXPLORATION AND PRODUCTION, INC. TO
EXPAND ITS PRESSURE MAINTENANCE PROJECT IN THE NORTH VACUUM-
ABO POOL IN LEA COUNTY, NEW MEXICO***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-6857, as amended, Texaco Exploration and Production, Inc. has made application to the Division on April 11, 2001 for permission to expand its North Vacuum Abo West Unit Pressure Maintenance Project in the North Vacuum-Abo Pool in Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection wells are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced pressure maintenance project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Texaco Exploration and Production, Inc., be and the same is hereby authorized to inject water into the Abo formation through the gross interval from

approximately 8,500 feet to 8,873 feet through 2 3/8-inch plastic lined tubing set in a packer located approximately 100 feet above the uppermost openhole horizontal lateral or uppermost injection perforations in the following described vertical and horizontal wells for purposes of pressure maintenance to wit:

North Vacuum Abo West Unit No. 1
(API No. 30-025-25652)

Surface Location: 460' FNL & 660' FWL, Unit D, Section 15,
Township 17 South, Range 34 East, NMPM
Injection Interval: 8,800'-8,833'
Maximum Injection Pressure: 1760 psig

North Vacuum Abo West Unit No. 3
(API No. 30-025-24495)

Surface Location: 1980' FSL & 660' FWL, Unit L, Section 15,
Bottomhole Location of Horizontal Lateral: 3183' FSL & 1863' FWL, Unit F, Section 15,
Township 17 South, Range 34 East, NMPM
Injection Interval: 8,646'-8,873' TVD
Maximum Injection Pressure: 1729 psig

North Vacuum Abo West Unit No. 5
(API No. 30-025-24112)

Surface Location: 660' FNL & 660' FWL, Unit D, Section 22,
Bottomhole Location of Horizontal Lateral: 552' FSL & 2055' FWL, Unit N, Section 15,
Township 17 South, Range 34 East, NMPM
Injection Interval: 8,669'- 8,852' TVD
Maximum Injection Pressure: 1734 psig

North Vacuum Abo West Unit No. 15
(API No. 30-025-23905)

Surface Location: 660' FNL & 660' FWL, Unit D, Section 27,
Bottomhole Location of Upper Lateral: 1702' FNL & 439' FEL, Unit H, Section 28,
Bottomhole Location of Lower Lateral: 540' FSL & 1769' FWL, Unit N, Section 22
Township 17 South, Range 34 East, NMPM
Injection Interval: 8,500'- 8,849' TVD
Maximum Injection Pressure: 1700 psig

all located in Lea County, New Mexico.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected fluid enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

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

The casing-tubing annulus in each well 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 Director of the Division may authorize an increase in the maximum injection pressure shown above upon a proper showing by the operator that such higher pressure will not result in migration of the injected fluid from the Abo formation.

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

The subject wells shall be governed by all provisions of Division Order No. R-6857, as amended, and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.


PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

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

DONE at Santa Fe, New Mexico, on this 20th day of July, 2001.

Administrative Order PMX-213
Texaco Exploration and Production, Inc.
July 20, 2001
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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY,
Director

SEAL

LW/DRC

cc: Oil Conservation Division - Hobbs /

Texaco Expl & Prod Inc
ATT: John Ayers

Each well listed below needs some more paper work.

State BA #15-C, 36-17s-34e API #30-025-34945
Form C-102 for each formation.
(62320) Vacuum Upper Penn 80 acres
(62340) Vacuum Wolfcamp 80 acres

F B Davis #10-C, 8-23s-37e API #30-025-35125
We have form C-104 that states in box 3 *Reason for Filing Code* as
Recompletion.
1. We have no Subsequent report that says this well was drilled.
2. No subsequent report on the surface casing & cement
3. No C-105 for the completion.
4. No logs
5. No deviation survey
6. Subsequent report on the plugback.
7. C-105 on the recompletion
8. C-102 on the new formation this well is producing from.

C C Fristoe A Federal NCT-1 #13-E, 35-24s37e API #30-025-34053
OCD still needs a full set of **logs**.

North Vacuum Abo West Unit #15-D, 27-17s-34e API #30-025-23905
We sent a notice June 19, 2000 and asked for:
1> C-104 with test showing the bottomhole location
2> C-105 with the same information
3> Directional drill survey with C-102 with the correct bottomhole
location.

A H Blinebry Federal NCT-1 #49-E, 20-22s-38e API #30-025-33936
Notice was sent June 19, 2000 for a set of **logs**

New Mexico E State NCT-2 #2-F, 23-19s-36e API #30-025-34011
Notice sent for actual Directional drill survey January 8, 2001

Vacuum Glorieta West Unit #86-K, 36-17s-34e API #30-025-20179
Notice was sent December 14, 2000. Need actual Directional drill survey.

Vacuum Glorieta West Unit #127-F, 6-18s-35e, API #30-025-21292
Notice sent 2/28/01 Directional drill survey does not go deep enough.
This is holding up your completion and C-104

M B Weir B #12-M, 12-20S-37E API#30-025-29734
C-101 doe Horizontal drill cannot be approved. Paul states that the BHL will be
Non-Standard Location

STRICT I

O. Box 1980, Hobbs, NM 88240

STRICT II

O. Box Drawer DD, Artesia, NM 88210

STRICT III

000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-23905

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease No.

7. Lease Name or Unit Agreement Name

NORTH VACUUM ABO WEST UNIT

8. Well No.

15

9. Pool Name or Wildcat

VACUUM ABO NORTH

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator

P.O. Box 2100, Denver Colorado 80201

4. Well Location

Unit Letter D : 660 Feet From The NORTH Line and 660 Feet From The WEST Line

Section 22 27 Township 17-S Range 34-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

☐ REMEDIAL WORK

☐ COMMENCE DRILLING OPERATION

☐ CASING TEST AND CEMENT JOB

☐ OTHER:

☐ ALTERING CASING

☐ PLUG AND ABANDONMENT

☒ COMPLETION

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. RU DAWSON WELL SERV. LD RODS AND PUMP, 2-3/8" TBG. 10-07-97.
2. SET WHIPSTOCK. CUTTING WINDOW F/8540'-8547'. TIH W/WATERMELLON MILL. 10-15-97.
3. LATCH INTO PKR AND SET 3 DEG WHIPSTOCK @ 225 AZM. TOP OF WHIPSTOCK @ 8538'. BOTTOM OF WHIPSTOCK @ 8548'. 10-26-97.
4. ROTARY DRLG FROM 10199'-10266'. TD 4-3/4" HOLE @ 9:15 HRS ON 11-2-97.
5. OPENED WELL UP @ 12:00 NOON AND FLOWED BACKSIDE TO BATTERY. 12-01-97.
6. WELL OPENED DOWN FLOWLINE. 12-18-97.
7. OPT: PUMPED 16 BO, 364 BW, 6 MCF FROM DRLG TO PM. 01-05-98.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C. P. Basham / SRH TITLE Eng. Assistant.

DATE 1/7/98

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)793-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

ORIGINAL GARY

TITLE

DATE