

N.M. OIL COINS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Well ☐ Gas Well ☐ Other

2. Name of Operator

SHELL WESTERN E&P INC.

3. Address and Telephone No.

P.O. Box 576 Houston, TX 77001-0576

713/544-4219

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

1980' FSL, 660' FEL, Sec 3
T-21-S, R-37-E, NMPM

5. Lease Designation and Serial No.

NM2512

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA, Agreement Designation.

Northeast Drinkard Unit

8. Well Name and No.

308W

9. API Well No.

30-025-06494

10. Field and Pool, or Exploratory Area

N. EUNICE BLINEBRY-TUBB-DRINKARD

11. County or Parish,

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 ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut-Off
☐ Altering Casing ☒ Conversion to Injection
☐ Other ☐ Dispose Water

(Note: Report results of multiple completions 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.)

New Mexico Oil Conservation Division Administrative Order No. WFX-674

1. Rig up pulling unit and install B.O.P. Run in w/ bit and drill collars and remove CIBP @6500. Clean out to 6760.
2. Perforate the D3A and D4 1jspf @6720-50. Rig down perforators.
3. Treat the D4 perms 6720-50 w/2100g 20% H Cl and 45 RCNBS.
4. Treat the D2 perms 6646-6708 w/2100g 20% H Cl and Rock Salt.
5. Treat the D1 perms 6566-6615 w/1000g 20% H Cl. P O H w/ treating tools.
6. Run in hole w/ Guiberson Uni VI packer on 2 3/8" Duolined tbg & set within 100' of top perf (6566).
7. Record a pressure chart of 500psig on the dtbg-csg annulus w/no bleed off in 30 min for the NMOCD.
8. Begin water injection.

Aug 9 3 36 PM '95
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CARE
ARE
P.O.H.

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

SIGNATURE

C. L. Mann

TITLE

PRODUCTION FOREMAN

DATE

08/07/95

(This space for Federal or State office use)

(ORIG. SCD.) JOE G. LARA

TITLE

PETROLEUM ENGINEER

DATE

8/29/95

APPROVED BY

CONDITIONS OF APPROVAL IF ANY:

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.

22-1111

AUG 1964

U.S. DEPARTMENT OF
OFFICE

Oil Conservation Division

ADMINISTRATIVE ORDER NO. WFX-674

**APPLICATION OF SHELL WESTERN EXPLORATION & PRODUCTION, INC. TO
EXPAND ITS WATERFLOOD PROJECT IN THE NORTH EUNICE BLINEBRY-TUBB-
DRINKARD OIL & GAS POOL IN LEA COUNTY, NEW MEXICO**

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-8541, Shell Western Exploration & Production, Inc. has made application to the Division on July 3, 1995 for permission to expand its Northeast Drinkard Unit Waterflood Project in the North Eunice Blinebry-Tubb-Drinkard Oil & Gas 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 waterflood project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Shell Western Exploration & Production, Inc., be and the same is hereby authorized to inject water into the Blinebry, Tubb and Drinkard formations at approximately 5740 feet to approximately 6800 feet through 2 3/8-inch fiberglass epoxy lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the wells described on Exhibit "A" attached hereto, for purposes of secondary recovery.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

DATE 10/1/01 BY 6032

U.S. CUSTOMS
OFFICE

Administrative Order WFX-674

Shell Western Exploration & Production, Inc.

July 27, 1995

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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 wells, the operator shall preform cement squeeze operations on the two wells shown on Exhibit "B" attached hereto, in a manner approved by the supervisor of the Hobbs district office of the Division, so as to establish a top of cement in both wells at approximately 5240 feet.

↘ Prior to commencing injection operations into the wells, 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 wells to no more than that shown on Exhibit "A".

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said wells that such higher pressure will not result in migration of the injected fluid from the Blinbry, Tubb or Drinkard formations. 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 Hobbs district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

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-8541, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

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

Administrative Order WFX-674

Shell Western Exploration & Production, Inc.

July 27, 1995

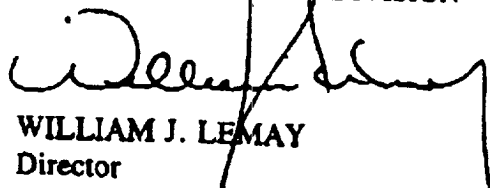
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conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The 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 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 27th day of July, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

SEAL

cc: Oil Conservation Division - Hobbs

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OFFICE

EXHIBIT "A"
DIVISION ORDER NO. WFX-674
NORTHEAST DRINKARD UNIT WATERFLOOD PROJECT
APPROVED INJECTION WELLS

NEDU Well No.	Present Well Name & No.							Injection Pressure
110	Hawk B-3 No.18	1980' FNL & 1980' FEL	G	3-21S-37E	5750'-5950'	5700'	2 3/8"	1150
224	H. Leonard NCT-F No.7	4303' FSL & 2317' FEL	F	2-21S-37E	5740'-6800'	5700'	2 3/8"	1148
308	Hawk B-3 No.11	1980' FSL & 660' FEL	Q	3-21S-37E	6566'-6750'	6500'	2 3/8"	1313
318	H. Leonard NCT-F No.18	1650' FSL & 1980' FEL	R	2-21S-37E	5764'-6000'	5700'	2 3/8"	1153
902	Turner No.10	2080' FSL & 1650' FWL	K	22-21S-37E	6470'-6640'	6400'	2 3/8"	1294

All wells in Lea County, New Mexico

REC-1

ADD

UCD RESEARCH
OFFICE

EXHIBIT "B"
DIVISION ORDER NO. WFX-674
NORTHEAST DRINKARD UNIT WATERFLOOD PROJECT

AREA OF REVIEW - WELLS TO BE REPAIRED (CEMENT SQUEEZED)

Now SW Royalty, Not Properly Squeezed

Well Name & No.	Location	Required Approximate TOC
<i>Medicine</i> Dauron No. 3	"A", Section 10, T21S-R37E	above 5300 feet
Eubank 'C' No. 8	"G", Section 22, T21S-R37E	above 5300 feet

- OK, Per CCD Log

- Now EIT

Also see p. 15

Donne Williams
AC 915 688-6943