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April 4, 1995

New Mexico Oil Conservation P.O Box 2088 Santa Fe, NM 87504

Gentlemen:

SUBJECT: APPLICATION FOR EXPANSION OF WATERFLOOD

WEST DOLLARHIDE DRINKARD UNIT DOLLARHIDE TUBB DRINKARD

LEA COUNTY, NM

We request administrative approval to expand the waterflood on the West Dollarhide Drinkard Unit. Order No. R-3768 dated May 21, 1969, authorized Texaco to institute a waterflood project.

One well will be converted to injection and three wells will be drilled for injection on the West Dollarhide Drinkard Unit. Form C-108 and attachments are enclosed.

If any additional information is needed, you may contact me at (505) 397-0424.

Sincerely,

Darlene de Aragao
Production Engineer

Attachments

OIL CONSERVATION DIVISION

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501

FORM C-108 Revised 7-1-81

of the earlier submittal. see attachment

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- 8. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal of such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

NEW MEXICO OIL CONSERVATION DIVISION - - FORM C-108, CONT'D

Application for Waterflood Expansion

West Dollarhide Drinkard Unit Lea County, New Mexico

Conversion Well Numbers and Locations: #80 330' FNL, 330' FEL, 6-25S-38E, Unit A Injection Wells to be Drilled: #150 650' FSL, 540' FEL, 31-24S-38E, Unit P #151 640' FNL, 2000' FEL, 5-25S-38E, Unit B #152 600' FSL, 760' FWL, 29-24S-38E, Unit M

- III. See attached injection well data sheets.
- IV. Expansion of existing project order No. R-3768, WFX-608, WFX-621, WFX-646, WFX-654
- V. See attached map.
- VI. See attached well information and schematics. Some of the data for Sections VI, VIII, X and XI was previously submitted.
- VII. 1). Average injection rate 400 BWPD Maximum injection rate - 600 BWPD
 - 2). Closed injection system
 - Average injection pressure 1500 psi Initial maximum pressure 1300 psi Maximum injection pressure 2000 psi
- IX. 15% HCL NEFE acid.

SUMMARY OF ORDER NUMBERS FOR WEST DOLLARHIDE DRINKARD UNIT

R-3768	INSTITUTE OF WATERFLOOD
WFX-608	WATERFLOOD EXPANSION
WFX-621	WATERFLOOD EXPANSION
WFX-630	WATERFLOOD EXPANSION
WFX-646	WATERFLOOD EXPANSION
WFX-654	WATERFLOOD EXPANSION

WDDU 80 TEXACO E&P API # 3002512398

330' FNL, 330' FEL 6-25S-38E UNIT A COMPLETED: 06-17-54 GL 3116' KB 12'

500 - 3149' CEMENT 1475 SX

0 - 306' CEMENT 325 SX 0 - 306' 17.25" OD HOLE

0 - 3149' 8.625" OD 24.00#/ft INT CSG

0 - 6300' 2.375" OD TBG 306 - 3149' 11" OD HOLE

3040 - 6840' CEMENT 578 SX

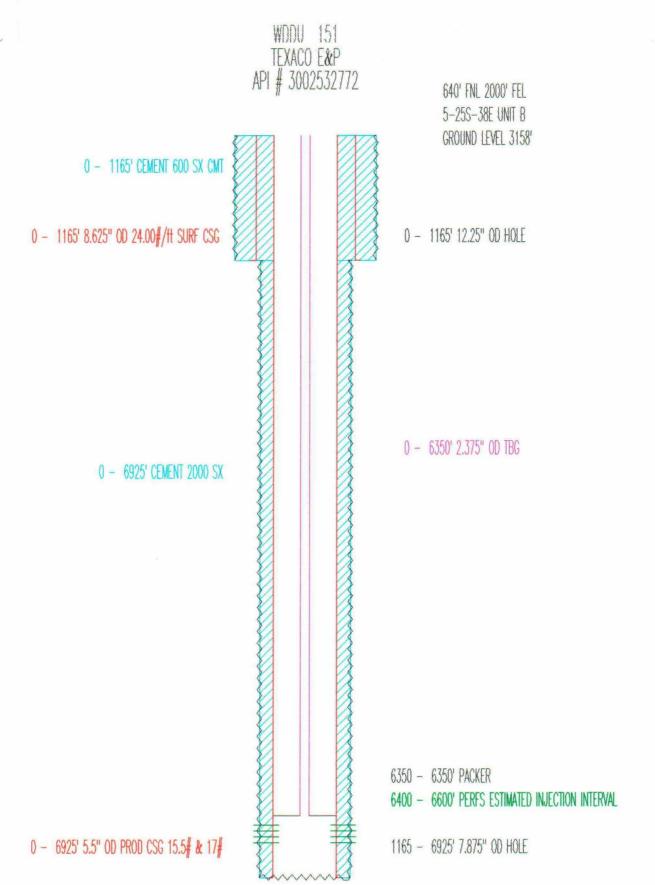
6300 - 6300' PACKER

6382 - 6860' PERFS

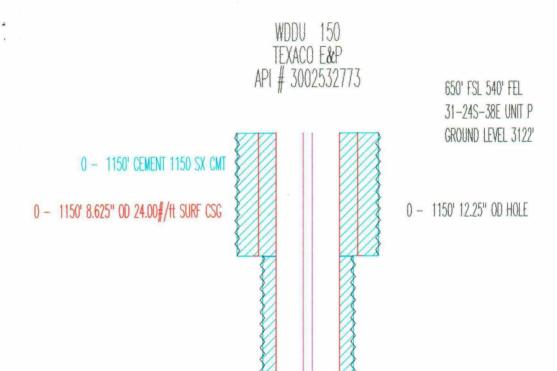
3149 - 6840' 7.875" OD HOLE

0 - 6840' 5.50" OD PROD CSG 15.5# & 17#

PBTD: 6747' TD: 6840'



TD: 6925'





600' FSL 760' FWL 29-24S-38E UNIT M GROUND LEVEL 3173'

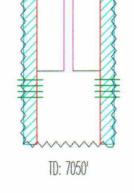
0 - 1235' CEMENT 600 SX CMT
0 - 1235' 8.625" OD 24.00#/ft SURF CSG

0 - 1235' 12.25" OD HOLE

0 - 7050' CEMENT 2000 SX

0 - 6350' 2.375" OD TBG

0 - 7050' 5.5" OD PROD CSG 15.5# & 17#



6400 - 6600' PERFS ESTIMATED INJECTION INTERVAL

6350 - 6350' PACKER

1235 - 7050' 7.875" OD HOLE

WELLS WITHIN AREA OF REVIEW NOT SUBMITTED IN PAST

LEASE NAME	WELL TYPE	STATUS	OPERATOR
West Dollarhide Drinkard Unit	WIW	P&A	TEXACO E & P
West Dollarhide Drinkard Unit	WIW	P&A	TEXACO E & P

WDDU 65 TEXACO E&P API # 3002512291

0 - 350' CEMENT PLUG 50 SXS API # 30'

0 - 321' CEMENT 320 SX

2090' FSL, 1650' FEL 31-24S-38E COMPLETED: 05-04-53

PAA

0 - 321' 17.25" OD HOLE

0 - 321' 13.375" OD 48.00#/ft SURF CSG

1082 - 1350' CEMENT PLUG 25 SXS

0 - 3780' CEMENT 1900 SX

2728 - 2900' CEMENT PLUG 25 SXS

0 - 6642' CEMENT 500 SX 3559 - 3850' CEMENT PLUG 50 SXS 0 - 3780' 8.625" OD 36.00∯/ft INT CSG

321 - 3780' 11" OD HOLE

5915 - 6390' CEMENT PLUG

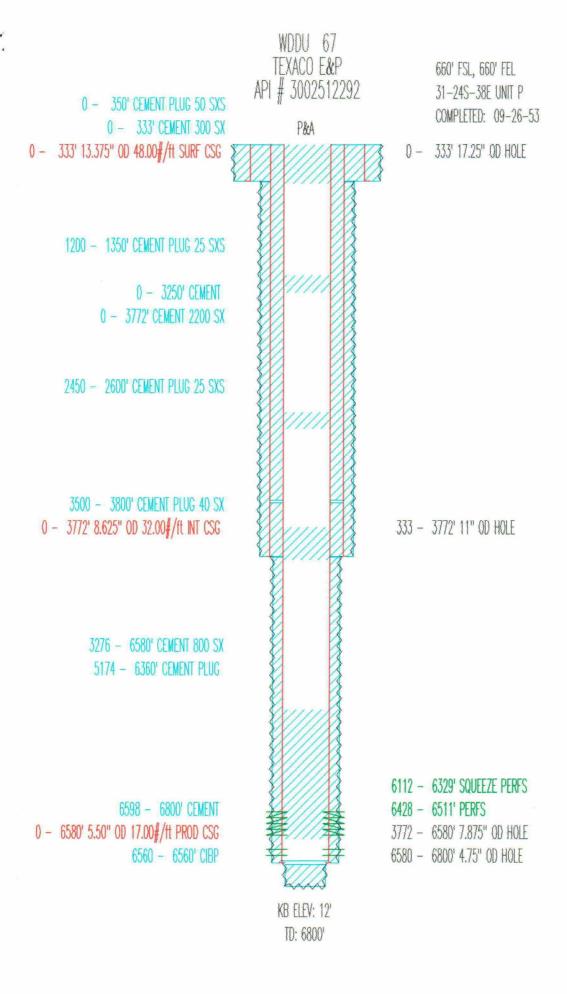
6580 - 6642' CEMENT PLUG 0 - 6642' 5.50" OD 17.00#/ft PROD CSG 6580 - 6580' RETAINER 6642 - 6800' CEMENT 6122 - 6354' SQUEEZE PERFS

6443 - 6566' PERFS

TD: 6800'

3780 - 6642' 7.875" OD HOLE

6642 - 6800' 4.75" OD HOLE



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AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.
I, Kathi Bearden
General Manager
of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.
of
1 weeks. Beginning with the issue dated
April 3, 1995, 19 and ending with the issue dated April 3, 1995
me thisday of
My Commission evering
My Commission expires

LEGAL NOTICE April 3, 1995

NOTICE IS HEREBY GIVEN of the application of Texaco. Exploration and Production Inc., Attention: Terry L. Frazier, Area Manager, P.O. Box 730, Hobbs, New Mexico, 88240. Telephone (505) 393-7191, to the New Mexico Oil Conservation Commission Energy and Minerals Department, for approval to convert one producing well to injection and to drill three injection wells for the purpose of expanding waterflood. Injection wells to be drilled:

West Dollarhide Drinkard Unit, Lea Co.. NM #150 650' FSL, 540' FEL, 31-24S-38E, Unit P #151 640' FNL, 2000' FEL, 5-25S-38E, Unit B #152 600' FSL, 760' FWL, 29-24S-38E, Unit M Conversion to injection:

#80 330' FNL, 330' FEL. 6-25S-38E, Unit A

The injection formation is the Dollarhide Tubb Drinkard at a depth of 6400' below the surface of the ground. Expected Maximum injection rate is 600 BWPD and expected maximum pressure is 1800 psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088. Santa Fe, New Mexico, 37501, within fifteen days of this publication.

This Newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

March 24, 1998

(Seal)

