



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 NO. WFX-646*

***APPLICATION OF TEXACO EXPLORATION AND PRODUCTION, INC. TO EXPAND  
ITS WEST DOLLARHIDE DRINKARD UNIT WATERFLOOD PROJECT IN THE  
DOLLARHIDE TUBB-DRINKARD POOL IN LEA COUNTY, NEW MEXICO***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-3768, WFX-608, WFX-621 and WFX-630, Texaco Exploration and Production, Inc. has made application to the Division on June 16, 1993 for permission to expand its West Dollarhide Drinkard Unit Waterflood Project in the Dollarhide Tubb-Drinkard 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 West Dollarhide Drinkard Unit Waterflood 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 Lower Drinkard and Abo formations at approximately 6392 feet to approximately 6847 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforation in the wells further described on Exhibit "A" attached hereto.

**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 wells or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection wells to no more than .2 psi/ft. of depth to the uppermost injection perforation.

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 Lower Drinkard and Abo 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.

*Administrative Order WFX-646*  
*Texaco Exploration and Production, Inc.*  
*July 1, 1993*  
*Page 3*

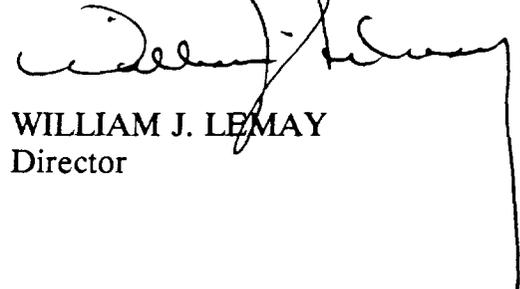
---

The subject wells shall be governed by all provisions of Division Order No. R-3768, WFX-608, WFX-621 and WFX-630, 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 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.

DONE at Santa Fe, New Mexico, on this 1st day of July, 1993.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director

S E A L

cc: Oil Conservation Division - Hobbs

EXHIBIT "A"  
 DIVISION ORDER NO. WFX-646  
**WEST DOLLARHIDE DRINKARD UNIT WATERFLOOD**  
 APPROVED INJECTION WELLS

Well Name	Well No.	Location	Unit	S-T-R	Injection Interval	Packer Depth	Tubing Size	Injection Pressure
West Dollarhide Drinkard Unit	11	330'FSL & 1980'FEL	O	19-24S-38E	6610' to 6830'	6560'	2 3/8"	1322 psig
"	17	535'FNL & 2310' FWL	C	30-24S-38E	6614' to 6847'	6570'	2 3/8"	1323 psig
"	19	2310'FNL & 1980'FEL	G	30-24S-38E	6510' to 6610'	6460'	2 3/8"	1302 psig
"	21	1980'FNL & 660'FWL	E	29-24S-38E	6628' to 6722'	6580'	2 3/8"	1326 psig
"	32	330'FSL & 1980'FEL	O	30-24S-38E	6400' to 6484'	6350'	2 3/8"	1280 psig
"	42	660'FNL & 660'FEL	A	32-24S-38E	6580' to 6670'	6540'	2 3/8"	1316 psig
"	50	2310'FNL & 1650'FEL	G	31-24S-38E	6400' to 6488'	6360'	2 3/8"	1280 psig
"	56	2310'FNL & 330'FWL	E	33-24S-38E	6481' to 6607'	6349'	2 3/8"	1296 psig
"	58	1980'FSL & 630'FEL	K	33-24S-38E	6442' to 6650'	6410'	2 3/8"	1288 psig
"	64	1980'FSL & 660'FEL	I	31-24S-38E	6359' to 6489'	6320'	2 3/8"	1272 psig
"	66	2312'FSL & 2309'FWL	K	31-24S-38E	6273' to 6664'	6230'	2 3/8"	1255 psig
"	81	1650'FNL & 990'FWL	E	5-25S-38E	6392' to 6535'	6355'	2 3/8"	1278 psig
(TO BE DRILLED)	130	2000'FNL & 1900'FEL	G	32-24S-38E	6500' to 6650' APPROXIMATE	6400'	2 3/8"	.2 psi/ft
(TO BE DRILLED)	131	2150'FNL & 850'FEL	H	32-24S-38E	6500' to 6650' APPROXIMATE	6400'	2 3/8"	.2 psi/ft
(TO BE DRILLED)	139	420'FNL & 1900'FWL	C	30-24S-38E	6300' to 6425' APPROXIMATE	6300'	2 3/8"	.2 psi/ft

ALL IN LEA COUNTY, NEW MEXICO