STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



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

BRUCE KING GOVERNOR

ADMINISTRATIVE ORDER NO. WFX-630

APPLICATION OF TEXACO EXPLORATION & PRODUCTION, INC. TO EXPAND ITS WATERFLOOD PROJECT IN THE DOLLARHIDE - TUBB - DRINKARD POOL IN LEACOUNTY, NEW MEXICO

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Order No. R-3768, Texaco Exploration & Production, Inc. has made application to the Division on March 16, 1992, for permission to expand its West Dollarhide Drinkard Unit Waterflood Project in the Dollarhide - Tubb - Dollarhide 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.

Administrative Order WFX-630 Texaco Exploration & Production, Inc. April 14, 1992 Page 2

IT IS THEREFORE ORDERED THAT:

The applicant, Texaco Exploration & Production, Inc., be and the same is hereby authorized to inject water into the Drinkard and Abo formations at approximately 6550 feet to approximately 7700 feet through 2 3/8 inch plastic lined tubing set located within 100 feet of the uppermost injection perforations in the wells shown on Exhibit "A" attached hereto for purposes of secondary recovery to wit.

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, WDDU No. 62 shall be plugged out of the unitized interval and pass a mechanical integrity test or plugged and abandoned in a manner satisfactory with the supervisor of the Hobbs District Office.

Prior to commencing injection operations into the wells, 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 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 perforations as 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 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.

Administrative Order WFX-630 Texaco Exploration & Production, Inc. April 14, 1992 Page 3

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-3768, 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 14th day of April, 1992.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMA

Director

SEAL

jc/

cc:

Oil Conservation Division - Hobbs

EXHIBIT "A" DIVISION ORDER NO. WFX-630 WEST DOLLARHIDE DRINKARD UNIT APPROVED INJECTION WELLS

				- ·				0110
1330 PSIG	2 3/8"	6450'	6550' to 7700'	32-24S-38E	K	2055' FSL & 1981' FWL	WDDU No. 122	214189
1330 PSIG	2 3/8"	6450'	6550' to 7700'	32-24S-38E	E	2176' FNL & 656' FWL	WDDU No. 121	3/488
1330 PSIG	2 3/8"	6450'	6550' to 7700'	32-24S-38E	F	2190' FNL & 2224' FWL	31/87 WDDU No. 120	35-31487
Injection Pressure	Tubing Size	Packer Depth	Injection Perforations	S-T-R	Unu	Location	Well Number	

Located in Lea County, New Mexico



March 11, 1992

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

Attention: David R. Catanach

Re: Application for Expansion of Waterflood;

Order R-2472, WFX #608, WFX #621

Texaco Exploration and Production Inc.

West Dollarhide Drinkard Unit, Dollarhide Tubb-Drinkard

T-24/25-S, R-38-E, Lea County, New Mexico

Gentlemen:

Texaco Exploration and Production Inc. respectfully requests administrative approval for the expansion of the West Dollarhide Drinkard Unit. The three infill wells designated in this application will be drilled for water injection. This work will help maintain reservoir pressure and recover additional oil reserves that would otherwise be left in place.

Texaco E&P Inc. respectfully requests that the West Dollarhide Drinkard Unit Waterflood Project covered by R-3768, WFX #608 and WFX-621 be expanded to include the drilling of the three infill injection wells. Administration approval is requested so that the necessary operations can be advanced in a prudent manner.

Yours very truly,

Terry L. Frazier Hobbs Area Manager

TLF:rtm

attachments

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OIL CONSERVATION DIVISION

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING

FORM C-108 Revised 7-1-81

I. Purpose: Secondary Recovery Pressure Maintenance Diagnosal Secondary Recovery Pressure Maintenance Diagnosal Secondary Recovery Pressure Maintenance Diagnosal Secondary Recovery Replaced Production Inc. Address: Texaco Exploration & Production Inc. Address: P.O. Box 730, Hobbs, NM 88240 Contact party: Terry L. Frazier Phone: (505) 397-0411 III. Well data: Complete the data required on the reverse side of this form for ear proposed for injection. Additional sheets may be attached if neces of the secondary of the project R-3768, WFX-6. IV. Is this an expansion of an existing project? Xives no R-3768, WFX-6. V. Attach a map that identifies all wells and leases within two miles of any proprinjection well with a one-half mile radius circle drawn around each proposed in 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 repenetrate the proposed injection zone. Such data shall include a description well's type, construction, date drilled, location, depth, record completion 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 injuited. The proposed average and maximum injection pressure; 4. Sources and an appropriate analysis of injection fluid and compatibility the receiving formation in other than reinjected produced water; and 5. If injection is for disposal purposes into a zone not productive of oil at or within one mile of the proposed well, attach a chemical analysis the disposal zone formation water (may be measured or inferred from a laterature, studies, nearby wells, etc.). VIII. Attach appropriate geological data on the injection zone including appropriate detail, geological name, thickness, and depth. Give the geologica mane, and depth of the proposed well, action and the production interval. IX. Describe the proposed stimulation program, if any. X. Attach appropriate logg	
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with the Division they need not be resubmitted.)	
XI. Attach a chemical analysis of fresh water from two or more fresh water wells (filed
available and producing) within one mile of any injection or disposal well show location of wells and dates samples were taken.	f ing
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 or any other hydrologic connection between the disposal zone and any undergroup source of drinking water.	aults
XIII. Applicants must complete the "Proof of Notice" section on the reverse side of	his form.
XIV. Certification	
I hereby certify that the information submitted with this application is true a to the best of my knowledge and belief.	nd correct
Name: Terry L. Frazier / Title Area Manager	
Signature: 10/92 Date: 3/10/92	

* If the information requered 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. Examiner Hearing May 21, 1961, Expansion Applications submitted

 $_{\rm May}$ 5, 1991, December 19,1991 DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

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.

- B. 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 off 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 Summary of Details for Infill Drilled Water Injection Wells

West	Dollar	<u>hide Dr</u>	<u>ink</u> a	ard Ur	nit		Dol:	larhid	<u>de Tubb l</u>	<u>Orin</u>	<u>kard</u>	
#120	- Unit	Letter	F,	2190	FNL	&	2224	FWL,	Section	32,	T24S,	R38E
#121	- Unit	Letter	E,	2176	FNL	&	656	FWL,	Section	32,	T24S,	R38E
#122	- Unit	Letter	Κ,	2055	FSL	&	1981	FWL,	Section	32,	T24S,	R38E

III. All pertinent well data is included on the well schematic sheets. Well #52 was a unit producer plugged on November 4, 1988 due to high water production and holes in the casing. #53 was a unit injection well plugged on April 8, 1983 after the casing collapsed and a RBP was lost in the hole at 4221'. While neither P&A was done strictly to current NMOCD standards, both procedures were approved by the NMOCD. The plugs in place are more than adequate to isolate the Drinkard unitized interval from the overlying Queen waterflood and sources of usable surface fresh water.

Well #62 will be plugged out of the unitized interval and tested for mechanical integrity. The logs from the offset #122 will be used to evaluate any shallower formations for commercial hydrocarbons. If the casing fails the MIT, then it will be immediately plugged. The plugback work will be done before well #122 is spudded.

- V. Lease maps of wells within a 2 mile radius is attached. A 1/2 mile radius circle is drawn around the subject wells.
- VI. Data for sections VI, VIII, X and XI have been previously submitted under NMOCD Order R-3768 dated May 21, 1969. Additional information was supplied on May 10, 1991 and June 23, 1991 as part of the 1991 waterflood expansion application (WFX-608). Additional information was supplied for the 1992 expansion (WFX-621) on December 19, 1991.

No wells have been drilled into or through the unitized interval after the infill well WDDU #108 well was drilled. The abandonment of the unitized interval in WDDU #70 is pending partner approval.

Due financial restrictions, it is probable that the complete 10 well drilling package will not be approved. Therefore, a 5 well package is now being submitted to partners. Texaco still intends to drill 4 producers and drill WDDU #122 as an injection well. However, Texaco requests that the injection permits for WDDU #120 and #121 be addressed in this application. The NMOCD may have questions about the plugged WDDU wells #52 and #53. This will allow ample time to evaluate any remedial actions that are deemed necessary prior to actually drilling the two replacement injection wells.

NEW MEXICO OIL CONSERVATION DIVISION - Form C-108, cont'd Summary of Details for Conversion of Wells to Injection Status West Dollarhide Drinkard Unit, Dollarhide Tubb Drinkard

VI. Continued

A map showing the updated locations of the pending 1992 infill wells is also included. Most of the conversion work will be started in the second quarter of 1992, but actual injection will not start until most of the infill wells have been drilled. Of the previous conversion package, only #28 has been done so far. Wells #46 and #60 will be converted by May of 1992.

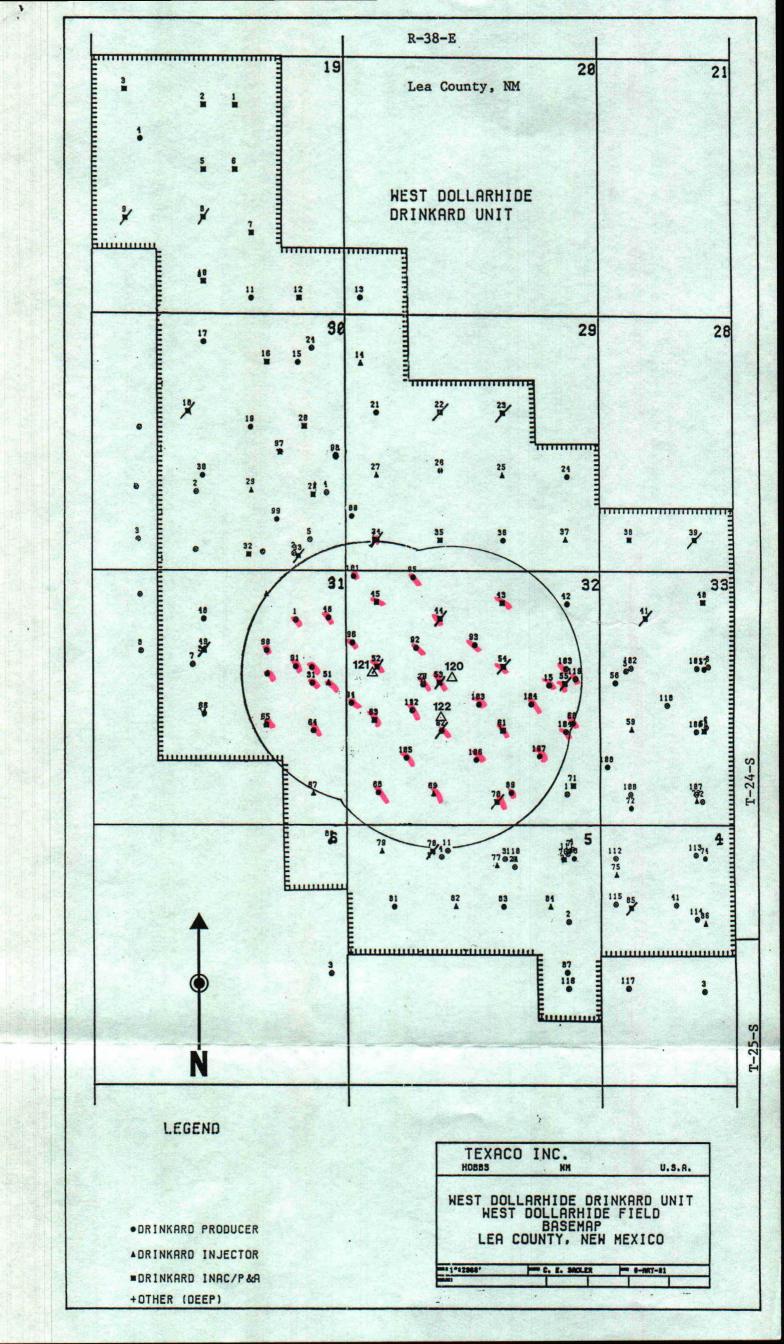
As part of the 1992 infill drilling package, WDDU #62 and #70 will be plugged out of the unitized interval. Assuming the casing in these wells is intact, they will be evaluated for future recompletions in shallower zones.

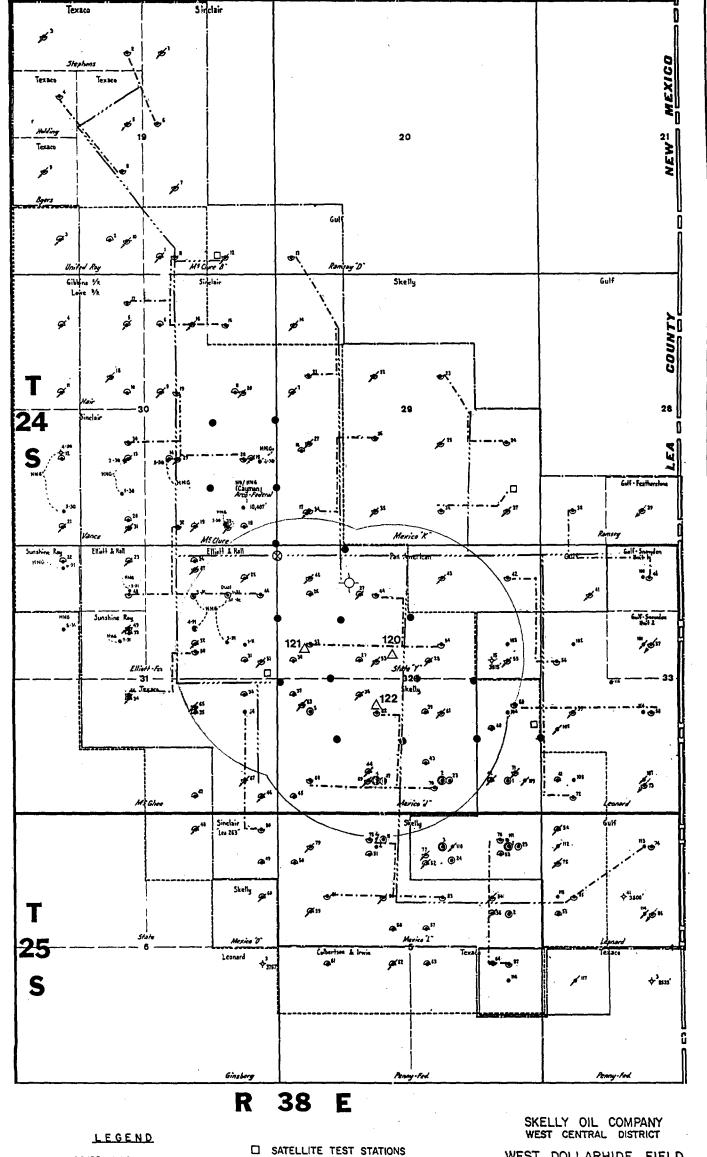
- VII. Proposed average daily injection rate per well is 500 Bbls per day and anticipated maximum rate is 1000 Bbls per day. Maximum pressure will not exceed 1700 psi system working pressure. The average injection pressure will not exceed 1300 psi until a step rate test establishes a higher limit. The system will be closed.
- IX. Subject wells will be stimulated in stages with 3000 to 6000 gallons 15% NEFE if needed. Small fracture treatments for the older high-pressure wells are being evaluated. Average size will probably not exceed 20,000 gallons and 50,000 pounds of sand. Rock salt blocks or ball diverters will be used as well as scale inhibitor chemicals.
- XII. Based on current geological and engineering data and a petrophysical rock-properties log, there is no evidence of natural or artificially induced open faults within the unitized interval or above. There is no communication between the injection zone and any subsurface source of drinking water.

XIII.A notarized copy of a "Proof of Notice" is included.

IMPORTA	NT MESSAGE	
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FOR ON OU		(A.M.)
DATE	TIME /1:4	P.M.
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PHONE	NUMBER EX	TENSION
TELEPHONED	PLEASE CALL	
CAME TO SEE YOU	WILL CALL AGAIN	
WANTS TO SEE YOU	RUSH	
RETURNED YOUR CALL	SPECIAL ATTENTION	
MESSAGE Mr.	al Bohling	
Can help	you with	
info you	wonted.	
0		
(915) (01	74-7426	
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SIGNED		
TOPS FORM 3002S		

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QUEEN UNIT

- OUEEN UNIT

  DRINKARD UNIT

  DEVONIAN UNIT

  QUEEN

  DRINKARD

  DEVONIAN

  FUSSELMAN

  ELLENBURGER

  WATER INJECTION WELL

  PROPOSED WATER INJECTION WELL

TRANSFORMER BANKS

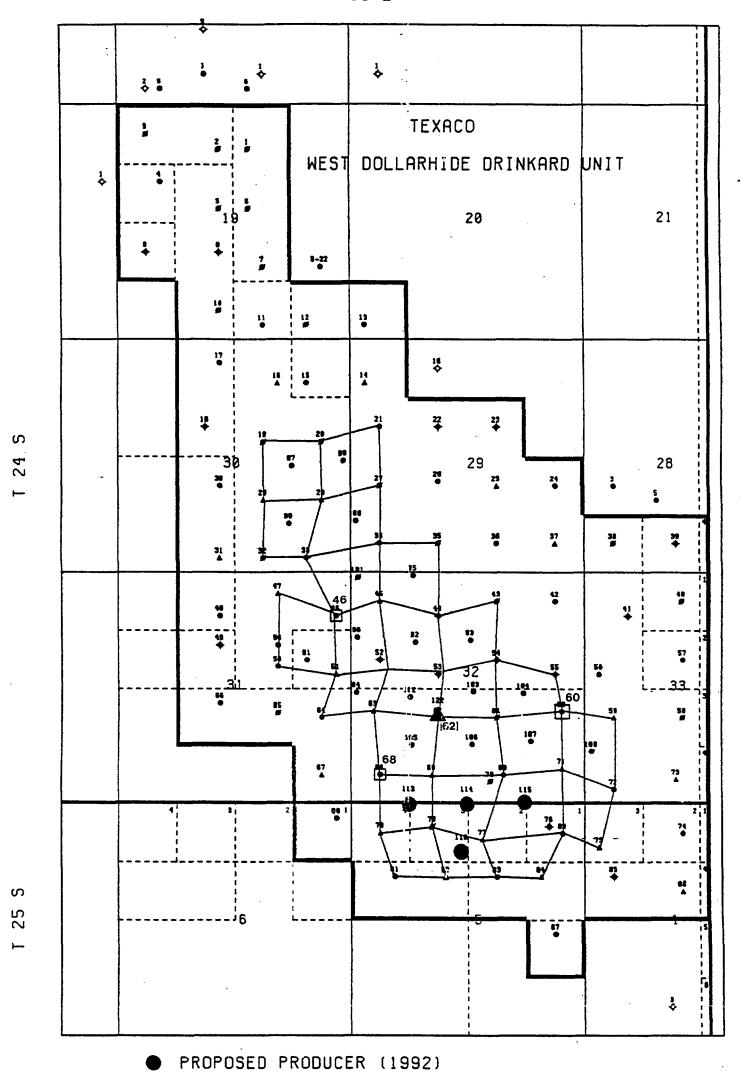
--- SECONDARY LINES

- PRIMARY LINES
  CENTRAL BATTERY
  SINGLE POINT DELIVERY FROM N.M.E.S.C.

WEST DOLLARHIDE FIELD

LEA COUNTY, NEW MEXICO SCALE: I" = 2000' CENTRAL BASIN PLATFORM GEOPROVINCE HOBBS AREA

640 - 01 - 04 - 01 640 - 01 - 04 - 02 640 - 01 - 04 - 03 640 - 01 - 04 - 04 640 - 01 - 04 - 05



▲ PROPOSED INJECTOR (1992)

☐ PROPOSED CONVERSION (1992)

FEET 8 1800 2000 3000 4800 5000 FEET
STRIUTE RILES 8 .) .2 .3 .5 .5 .8 .7 .9 .9 1,8 STRIUTE HILES

NIBLAND	TEXACO E	& PINC. U.S.R.
LEA C REVI DRILLING	LARHIDE DRI COUNTY, NEW SED PROPOSE AND CONVERS	MEXICO D 1992 ION PROGRAM
WITH COMP	LETED 40-AC	RE PHITERNS

## INJECTION WELL DATA SHEET

WELL: West Dollarhide Drinkard Unit #120 County, New Mexico R-38-E Unit F, Sec 32, T-24-S, Lea WIW. Sec./Twn/Rng: Infill drilled injection well to replace WDDU #53 OPERATOR: Texaco Exploration & Production Inc. 2224 FWL FOOTAGE LOCATION: 2190 FNL,

Size TOC TOC TOC & 17#, Injection Packer 11-3/4", 42#, 5-1/2", 15.5 1440 sx. 8-5/8", 32#, 1380 sx. 3170' GL 890 sx. SCHEMATIC 1220' 42001 65001 7745 Gr

Tubing: 2 3/8", 4.7#, J-55, IPC, 2000# WP 6550 ' to 7700 ' through: Injection Interval: 1280'-2570' Anticipated Tops: 6475° 6625° 3625 0909

Drinkard

Queen Tubbs

Salt

Lower Drinkard and Abo

Perforations

1440 sx. circulation circulation ' determined by <u>circulation</u> sx. SX 42001 7745 1220 1380 890 Cemented with Set at: Set at: Set at: determined by ' determined by Cemented with Cemented with TABULAR DATA Size 5 1/2, 15.5&17# Intermediate casing: 14-3/4" Production Casing: Size 11-3/4", 42# 8-5/8", 32# 7 7/8 Hole Size 11" Surface Casing: surface surface surface Hole Size _ Hole Size

### INJECTION WELL DATA SHEET

WELL: West Dollarhide Drinkard Unit #121 County, New Mexico Unit E, Sec 32, T-24-S, R-38-E Lea Sec./Twn/Rng: Infill drilled injection well to replace WDDU #52 OPERATOR: Texaco Exploration & Production Inc. 656 FWL FOOTAGE LOCATION: 2176 FNL,

SCHEMATIC

Hole Size 7 7/8 TOC surface & 17#, Injection Packer 11-3/4", 42#, 5-1/2", 15.5 8-5/8", 32#, 1380 sx. 3150' GL 1440 sx. 890 sx. 6500 1210 42001 7705 Gr

Anticipated Tops:
Salt 1280'-2570'
Queen 3630'
Tubbs 6015'
Drinkard 6440'
Abo 6590'

Size 5 1/2, 15.5&17# Cemented with 1440 sx. ' determined by <u>circulation</u> circulation SX. 42001 1210' 890 1380 Set at: Set at: Set at: ' determined by Cemented with Cemented with TABULAR DATA Intermediate casing: 14-3/4" Production Casing: Size 11-3/4", 42# 8-5/8", 32# Hole Size 11" Surface Casing: surface surface Hole Size Size TOC Toc

Injection Interval: Lower Drinkard and Abo
6550 ' to 7700 ' through: Perforations
Tubing: 2 3/8", 4.7#, J-55, IPC, 2000# WP

determined by <u>circulation</u>

## INJECTION WELL DATA SHEET

WELL: West Dollarhide Drinkard Unit #122 County, New Mexico R-38-E Unit K, Sec 32, T-24-S, Lea Sec. /Twn/Rng: Infill drilled injection well to replace WDDU #62 OPERATOR: Texaco Exploration & Production Inc. 1981 FWL FOOTAGE LOCATION: 2055 FSL,

1440 sx. determined by circulation circulation ' determined by <u>circulation</u> 42001 1215 7635 Lower Drinkard and Abo 6550 ' to 7700 ' through: Perforations 890 1380 Set at: Cemented with Set at: Set at: ' determined by Cemented with Cemented with TABULAR DATA Size 5 1/2, 15.5&17# Intermediate casing: Injection Interval: Hole Size 14-3/4" Production Casing: Size 11-3/4", 42# Size 8-5/8", 32# Hole Size 7 7/8 Hole Size 11" Surface Casing: surface surface TOC surface TOC Toc & 17#, Injection Packer 11-3/4", 42#, 5-1/2", 15.5 1440 sx. 8-5/8", 32#, 3168' GL 1380 sx. 890 sx. 1270'-2535 SCHEMATIC Anticipated Tops: 3605 6005 1215 42001 Queen Tubbs 65001 7635 Salt

Tubing: 2 3/8", 4.7#, J-55, IPC, 2000# WP

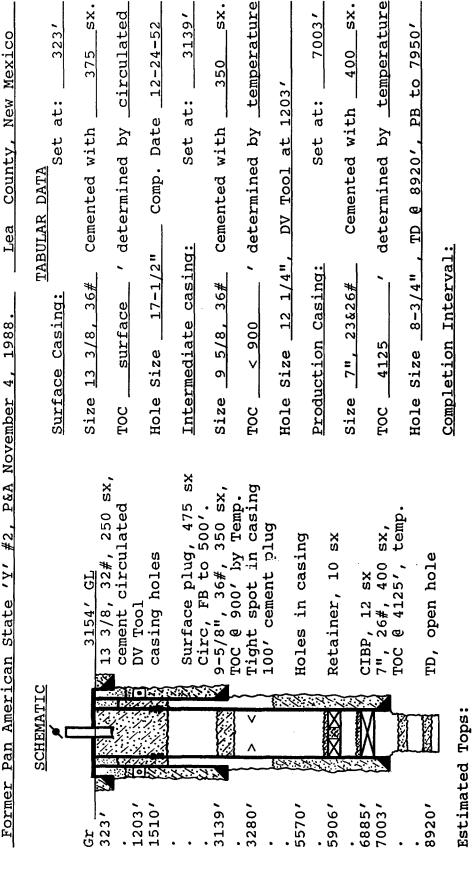
6360

Drinkard

sx.

SX

R-38-E WELL: West Dollarhide Drinkard Unit #52 County, New Mexico 32, T-24-S, Sec./Twn/Rng: Unit E, Sec. 1988. Former Pan American State 'Y' #2, P&A November 4, OPERATOR: Texaco Exploration & Production Inc. 660 FWL FOOTAGE LOCATION: 1980 FNL,



Open

Tubb Perfs,

6454 ' to 6533 ' : Drinkard Perfs,

1295'-2750'

3630'

Salt Queen

Tubb

87307

Fusselman

6110 6454' 6620'

Drinkard

Open

: Abo Perfs,

6734 'to 6846 '

6041 'to 6292

OPERATOR: Texaco Exploration & Production Inc. Well: West Dollarhide Drinkard Unit #53 Lea County, New Mexico FOOTAGE LOCATION: 2310 FNLX1980 FEL Sec./Twn/Rng: Unit F, Sec 32, T-24-S, R-38-E Plugged 14-08-83, Collapsed casing and lost RBP.

Surface Casing: Set at 302	13 3/8, 36# Cemented with	Hole Size 17 1/2" Comp. Date 11-30-54	Intermediate casing: Set at 3150'	Size 9 5/8, 32,36# Cemented with 200+150 sx.	TOC 2668, 788 'determined by calc, 80%	Hole Size 12 1/4", RBP lost at 4221'	Production Casing: Set at 6641'	Size <u>5 1/2",17/20#</u> Cemented with <u>125</u> sx.	TOC 5689' 'determined by calculated	Hole Size 8 3/4", 4", 11.34# liner @ 6781'	Completion Interval(s): 6155 to 6372 Perfs: Squeezed, 75 6478 to 6650 Perfs: Current Comp	* 4050 to 5535 . Bad casing, milled
SCHEMATIC		W CR	3150' 40 sx, 2692'-3197'	1, RBP lost in ho	Liner Top	41, 51/2", 14	2 2		*** 325 sx pumped down 8 5/8"- 5 1/2" annulus to shut off water flow.	(3/74)	Salt 1282'-2570' Queen 3630' Tubb 6425'	0014.

## PRODUCING WELL DATA SHEET

Sec./Twn/Rng: Unit K, Sec. 32, T-24-S, R-38-E WELL: West Dollarhide Drinkard Unit #62 County, New Mexico Lea Plug and Abandonment pending due to collapsed casing. OPERATOR: Texaco Exploration & Production Inc. 1980 FWL 1980 FSL, FOOTAGE LOCATION:

circulated 450 sx determined by circulated circulated 3150' 6878 250' Comp. Date 9-19-53 250 1800 7 7/8, Oueen squeezed 5/81, Set at: set at: Set at: Cemented with Cemented with determined by Cemented with ' determined by TABULAR DATA Intermediate casing: . Hole Size 12 1/4" Production Casing: Size 5 1/2,15.5# TOC 3685/surf. ' 9 5/8, 36# Size 13 3/8, 36# 18" Surface Casing: surface surface Hole Size Hole Size Size TOC TOC 5-1/2", 15.5#, 450 sx, TOC @ 3685'/surface 32#, 250 sx, 36#, 1800 sx, 5/81, PBTD, retainer, 2 sx cement circulated cement circulated T/ Drinkard perfs Collapsed casing Queen squeezed, 775 sx @ 3660' SQZD Tubb perfs 13 3/8, 3164' 9 5/8, SCHEMATIC 6510' 3150' 6120' 6878 6400 250

sx.

SX

Perforations 6400 ' to 6490 ' through: Completion Interval:

1270'-2535'

6024 63007 6540'

Drinkard

3607

Queen

Tubb

Salt

Estimated Tops:

Squeezed Perfs: 6120'-6136', 6540'-6848'

### State of New Mexico

Submit to Appropriate District Office State Lease 6 copies	Energy,	Minerals and Natural Re	esources Departm	ent			Revised	-
Fee Lease - 5 copies DISTRICT I	OIL	CONSERVATIO		N	API NO. ( as	signed by OC	D on New Wo	elis)
P.O. Box 1980, Hobbs, NA	A 88240	P.O. Box 208						
DISTRICT II P.O. Drawer DD, Artesia, I		anta Fe, New Mexico	87504-2088		5. Indicate	Type of Lease	TATE X	FEE 🗌
DISTRICT III 1000 Rio Brazos Rd., Azie	c, NM 87410				6. State Oil	& Gas Lease		
APPI ICAT	TON FOR PERMIT T	O DRILL, DEEPEN, C	OR PLUG BACK	<u> </u>			////////	
1a. Type of Work:	TOTAL CITAL CHARTER	O Diffice, Deel en, c		`	7. Lease Na	me or Unit A	proement Nan	ne
DRILI b. Type of Well:	L X RE-ENTER	DEEPEN	PLUG BACK	ם כ		DOLLARH		
MET MET C	OTHER INJECTION	WELL SINGLE ZONE	X MULTIPLE 20NE	· 🗆				
2. Name of Operator	ATION AND DOOD!!OT!	ION INC			8. Well No.			
	ATION AND PRODUCTI	ON INC.			9. Pool nam	a an 11/21/2014	120	
3. Address of Operator P. O. Roy, 3109	Midland, Texas 7	9709					D DDINKA	- I
	- Midialid, Texas 7	3702		l	DOLLA	RHIDE TUE	SB DRINKA	KU
4. Well Location Unit Letter F	: 2190 Foot Fr	room The NORTH	Line and 2	224	Feet	From The _\	WEST	Line
•	•	04 001271	00 =10=		nome LE			
Section 3	Z Towns	hip 24-SOUTH Res	_{age} 38-EAST	N 22777	MPM LE	4 77777777	mm	County
	######################################	10. Proposed Depth		111 F	ormation		12. Rotary of	
		77777	745'	1	DRINKA	'BD		OTARY
13. Elevations (Show whethe	DF RT GR atc)	4. Kind & Status Plug. Bond	15. Drilling Con	tractor	D. 13. 41.7.	16. Approx. I	<del></del>	
GR-3170'	1	BLANKET	TO BE SEL		)		UARY 2	
17.		OPOSED CASING AN	ID CEMENT PF	ROGR	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEP	HT	SACKS OF	CEMENT	EST	. TOP
20	16	65#	40'		REDI-	MIX	SUR	FACE
14 3/4	11 3/4	42#	1220'		89	0	SUR	FACE
11	8 5/8	32#	4200'		13	80	SUF	RFACE
7 7/8	5 1/2	15.5# & 17#	7745'		14	40	SUF	RFACE
URFACE CASING - 5: % Cacl2 (15.6ppg, ITERMEDIATE CASING gw/s). F/B 470 SX RODUCTION CASING - , 9.9gw/s). F/B 52 V TOOL @ 4800' - 2	1.19cf/s, 5.2gw/s) G - 910 SX 35/65 P CCLASS H w/ 2% Ca - 1st STG: 250 SX 3 O SX CLASS H (15.6 2nd STG: 620 SX 35	2% GEL & 2% CacL2 (	GEL, 5% SALT & f/s, 5.2gw/s). w/ 6% GEL, 5% gw/s). / 6% GEL, 5% S	1/4# SALT	FLOCELE	(12.8ppg	, 1.87cf/ 12.6ppg,	/s, 9. 1.87cf <i>!</i>
RGO OPERATES A W	'ELL IN THIS QUARTE	ER QUARTER SECTION	AND HAS BEEN	FURN	ISHED A CO	PY-OF-TH	IS APPLIC	ATION.
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BY ADOME COACE DOCC	かいしゅうしゅうしゅうしゃ カロヘンコ	AM: IF PROPOSAL IS TO DEEPEN			an memoriani na na m	DEC.	1901	EW PRODUCTIVE
SOME GIVE BLOWOUT PREVE		ALVE. IF PROPOSAL IS TO DEEPEN	I OKPLUU BACK, GIVE D	MIAUNI	HESENI PRODU	HOUSE THE STATE OF	PALAMOLOZED NE	
I hereby certify that the information	ation above is true and complete	to the best of my knowledge and h	oelia.	···	100	Recei	ved	<del>                                      </del>

DRILLING OPERATIONS MANAGER TYPE OR PRINT NAME C. P. BASHAM (This space for State Usc) APPROVED BY... CONDITIONS OF APPROVAL, IF ANY:

Subroit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

### **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Pe, New Mexico 87504-2088

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM \$8210
DISTRICT III
1000 Rio Brazos Rd., Assec, NM \$7410

WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section

Operator	<del></del>					Lesson		<del></del>	·····	Wall No.	
TEXACO EX	KPLO	RATION	AND P	RODU	ICTION INC.	WEST	DOLLARHID	E DRINK	ARD UNIT	1	20 .
Unit Letter	Section		Town			Range			County	<u> </u>	<del> ·</del>
F		32			SOUTH	3	8 - EAST	NMPM	1	LEA	
Actual Pootage Loca	ation of	Well:			~~~			INNIM	<u> </u>		<del></del>
2190			NORT	Н	line and	2	224	foot from	the WES	T line	
Ground level Elev.	<u></u>	Produc	ag Forma	ioe(AB	O) AND	Pool	<del></del>			Dedicated Acr	ege:
3170	'			•	RINKARD)	DOLLA	RHIDE TUBI	BDRINK	ARD	40	Acres
							marks on the plat be	iow.			7444
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### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

Submit to Appr District Office	ropriate
State Lease - 6 Fee Lease - 5	copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICTI

<b>OTT</b>	CONSERV	ATTANI	DITACION
<b>1)11</b> ,	CUNDERV	AIRDIN	DIAISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 API NO. (assigned by OCD on New Wells)

5.	Indicate Type of Le	:asc	
		STATE X	FEE
6.	State Oil & Gas Le	ase No.	
		B-9613	
7			////////
Z			

P.O. Drawer DD, Artesia, 1	NM 88210			S	TATE (A) FEE
DISTRICT III	- NR 67410			6. State Oil & Gas Lease	
1000 Rio Brazos Rd., Azte				B-	-9613 ////////////////////////////////////
l	ION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK		
1s. Type of Work:				7. Lease Name or Unit A	greement Name
DRILL	L X RE-ENTER	WEST DOLLARH	IDE DRINKARD UNIT		
b. Type of Well:	<b>-</b>	SINGLE	MULTIPLE	,	
Mer Mer [	OTHER INJECTION	WELL ZONE	X ZONE		
2. Name of Operator				8. Well No.	
	ATION AND PRODUCT	ON INC.		0.00	121
3. Address of Operator	Midland, Texas 7	70700		9. Pool name or Wildcat	20.00hu4.00
	Midiand, Texas	3702		DOLLARHIDE TUE	3B DHINKARD
4. Well Location Unit Letter E	: 2176 Feet F	rom The NORTH	Line and 656	Feet From The	WEST Line
Section 3	2 Towns	hip 24-SOUTH Ran	ge 38-EAST	NMPM LEA	County
		10. Proposed Depth	1 * * *	Formation	12. Rotary or C.T.
			705'	DRINKARD	ROTARY
13. Elevations (Show whether GR-3150)		4. Kind & Status Plug. Bond	15. Drilling Contracto TO BE SELECT		Date Work will start IUARY 2, 1992
17.		BLANKET			10AIT 2, 1002
		OPOSED CASING AN		<del></del>	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	16	65#	40' 1210'	REDI-MIX 890	SURFACE
11	11 3/4 8 5/8	42# 32#	4200'	1380	SURFACE SURFACE
7 7/8	5 1/2	15.5# & 17#	7705'	1440	SURFACE
EMENTING PROGRAM URFACE CASING - 5	: CONDUCTOR - RED 30 SX CLASS H w/	DIMIX. 2% GEL & 2% CacL2 (			_
ITERMEDIATE ČÁSIN gw/s). F/B 470 SX	CLASS H w/ 2% Ca	). POZ CLASS H w/ 6% G ICl2 (15.6ppg, 1.19cf 35/65 POZ CLASS H v	/s. 5.2gw/s).		
, 9.9gw/s). F/B 52	20 SX CLASS H (15.	6ppg, 1.18cf/s, 5.2d	aw/s).		
V TOOL @ 4800' - 2	2nd STG: 620 SX 35	65 POZ CLASS H W	, 6% GEL, 5% SALT	& 1/4# FLOCELE (12	2.8ppg, 1.87cf/s,
		g, 1.18cf/s, 5.2gw/s	•		
IRGO OPERATES A W	ELL IN THIS QUARTI	ER QUARTER SECTION .	AND HAS BEEN FUR	RNISHED A COPY OF TH	IS APPLICATION.
				A	" * <b>`</b>
				nro.	1001
mr 1501M & 1		45.0		DEC	
IN ABOVE SPACE DESC ZONE. GIVE BLOWOUT PREVE	RIBE PROPOSED PROGR NTER PROGRAM, IF ANY.	AM: IF PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DATA (		
I hereby certify that the inform	ation above is true and complete	to the best of my knowledge and b	did.	Text	
SIGNATURE	Bashamalani		DRILLING OPERAT	TONS MANAGER	1 <i>2</i> 6470-91
SNIKATURE	A J	TML	E	85/507	C7 720

1975 (915) 688-462( TYPEOR PRINT NAME C. P. BASHAM (This space for State Use)

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY...

ubink to Appropriate istrict Office tate Lease - 4 copies es Lesse - 3 copies

### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

### OIL CONSERVATION DIVISION

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

NSTRICT II 'O. Drawer DD, Arteele, NM \$8210

NSTRICT I

1320 1650

1900 2310 2640

2000

1500

1000

500

WELL LOCATION AND ACREAGE DEDICATION PLAT

NSTRICT III 000 Rio Bresos RA., Assec, NM 87410 All Distances must be from the outer boundaries of the section Wall No. Operator WEST DOLLARHIDE DRINKARD UNIT TEXACO EXPLORATION AND PRODUCTION UNIT 121 Township 24-SOUTH 38 - EAST L EA 32 **NMPM** Actual Pootage Location of Well: 656 2176' feet from the WEST feet from the NORTH line Non and Dedicated Acresge: Ground level Eley. Producing Pormetion (ABO) AND 40 Acres 3150 TUBB DRINKARD (DRINKARD) DOLLARHIDE TUBB DRINKARD 1. Outline the acreege dedicated to the subject well by colored peacil or hackuse marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? Yes ☐ No If sorwer is "yes" type of consolidation er is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communicization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. **OPERATOR CERTIFICATION** I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. 2176' Printed Name R. D. MARIOTT Position DIVISION SURVEYOR Company TEXACO EXPLORATION 52 & PRODUCTION INC. ** WDDU #52: P&A, 11-4-88, 11980 FNL Deta 12-9-91 SIRGO#90 660 FWJ., Former Stanolind State 'Y' #2 SURVEYOR CERTIFICATION I hereby certify that the well location ski on this plat was plotted from field notes a actual surveye made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed DECEMBER 5, 1991 Signature & Seal of Professional Surveyor Certificate No. 4882

### Submit to Appropriate District Office

### State of New Mexico Energy, Minerals and Natural Resources Department

romc	-101
Revised	1-1-89

_ DATE __

Fee Lease - 5 copies  DISTRICT I  P.O. Box 1980, Hobbs, NA		CONSERVATIO P.O. Box 208		API NO. ( assigned by	OCD on New Wells)
DISTRICT II	S	anta Fe, New Mexico		5. Indicate Type of L	.ease
P.O. Drawer DD, Artesia,	NM 88210				STATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Azte	c, NM 87410			6. State Oil & Gas L	esse No. B-9613
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK		
la. Type of Work:				7. Lease Name or Un	nit Agreement Name
b. Type of Well:	L 🗓 RE-ENTER	SINGLE	PLUG BACK	WEST DOLLA	ARHIDE DRINKARD UNIT
MEIT MEIT	OTHER INJECTION	WELL ZONE	X ZONE	]	
Name of Operator	ATION AND PRODUCT	ION INC		8. Well No.	100
<del></del>	ATION AND PRODUCT	OR IIV.		9. Pool name or Wild	122 Scot
<ul> <li>Address of Operator</li> <li>P. O. Box 3109,</li> </ul>	, Midland, Texas 7	9702			TUBB DRINKARD
Well Location	<del></del>				
Unit Letter K	: 2055 Feet F	rom The SOUTH	Line and 1981	Feet From The	e WEST Line
Section 3	2 Towns	10. Proposed Depth	nge 38-EAST	NMPM LEA  LEA  Formation  DRINKARD	County  12. Rotary or C.T.
				<del></del>	ROTARY
. Elevations (Show whether GR-3168'		4. Kind & Status Plug. Bond BLANKET	15. Drilling Contract TO BE SELECT		rox. Date Work will start JANUARY 2, 1992
- GR-3 108		OPOSED CASING AN		<del></del>	Tritoriti E, 100E
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEME	NT EST. TOP
20	16	65#	40'	REDI-MIX	SURFACE
14 3/4	11 3/4	42#	1215'	890	SURFACE
11	8 5/8	32#	4200'	1380	SURFACE
7 7/8	5 1/2	15.5# & 17#	7635'	1440	SURFACE
RFACE CASING - 5 Cacl2 (15.6ppg, ERMEDIATE CASING W/s). F/B 470 SX DDUCTION CASING - 9.9gw/s). F/B 52 TOOL @ 4800' - 2 gw/s). F/B 50 SX	1.19cf/s, 5.2gw/s G - 910 SX 35/65 F C CLASS H w/ 2% Ca - 1st STG: 250 SX 3 20 SX CLASS H (15. 2nd STG: 620 SX 35 X CLASS H (15.6ppg	2% GEL & 2% CacL2 ( ). POZ CLASS H w/ 6% G ICl2 (15.6ppg, 1.19c B5/65 POZ CLASS H w 6ppg, 1.18cf/s, 5.20	EL, 5% SALT & 1/f/s, 5.2gw/s). v/ 6% GEL, 5% SA gw/s). / 6% GEL, 5% SALT s).	'4# FLOCELE (12.8 LT & 1/4# FLOCEL! 「& 1/4# FLOCELE	ppg, 1.87cf/s, 9. E (12.8ppg, 1.87cf/ (12.8ppg, 1.87cf/s,
ELL No. 62 - P&A	PENDING.				
IN ABOVE SPACE DESC ZONE, GIVE BLOWOUT PREVE		AM: IF PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DATA	ON PRESENT PRODUCTIVE ZON	TE AND PROPOSED NEW PRODUCTIVE
I hereby certify that the inform	ation above is true and complete	to the best of my knowledge and b	odia.		
NONATURE C . P	· Basham/cw	H	DRILLING OPERA	TIONS MANAGER	DATE12-10-91
YPEOR PRINT NAME C. P	. BASHAM				TELEPHONE NO. (915) 688-
This space for State Use)					

... TITLE ...

APPROVED BY___

Submit so Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-29

### **OIL CONSERVATION DIVISION**

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

DISTRICT II
P.O. Drawer DD, Artesia, NM \$8210

DISTRICT I P.O. Box 1980, Hobba, NM 88240

DISTRICT III 1000 Rio Brezos Rd., Antec, NM 87410

### WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	<del></del>				Leado	<del></del>			Wall No.	
	XPLO	RATION	AND PRODU	ICTION INC	WESTD	OLLARHIDE	DRINKA	RD UNIT	1	22
Unit Letter	Section	:	Township		Range			County	·	
K		32	24-	SOUTH	3	8- EAST	NMPA	ه ا	LEA	
Actual Pootage Loc	ation of	Well:								
2055	feet fr	om the	SOUTH	line and		1981	feet from	the WES		
Ground level Elev.		Produci	ag Pormation (A	O) AND	Pool				Dedicated Acres	Se:
3168			RINKARD (DR					ARD	40	Acres
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### WEST DOLLARHIDE DRINKARD UNIT

### LEA COUNTY, NEW MEXICO

Unit	Tract		
Well No.	Number	Former Operator	Former Lease and Well Number
1	3	Atlantic-Richfield Co.	McClure "B" Well No. 21
2	18	Texaco, Inc.	W. L. Stephens Est. Well No. 1
. 3	18	Texaco, Inc.	W. L. Stephens Est. Well No. 2
4	19	Texaco, Inc.	Royalty Holding Co. Well No. 1
· 5	21	Texaco, Inc.	United Royalty "A" Well No. 3
6	3 .	Atlantic-Richfield Co.	McClure "B" Well No. 20
7	3	Atlantic-Richfield Co.	McClure "B" Well No. 19
8	21	Texaco, Inc.	United Royalty "A" Well No. 4
9	20	Texaco, Inc.	E. M. Byers Well No. 1
10	21.	Texaco, Inc.	United Royalty "A" Well No. 5
1.1	2	Atlantic-Richfield Co.	McClure "A" Well No. 17
12	3	Atlantic-Richfield Co.	McClure "B" Well No. 18
13	11	Gulf Oil Corporation	W. A. Ramsey NCT-D Well No. 3
14	12	Skelly Oil Company	Mexico "K" Well No. 15
15	3	Atlantic-Richfield Co.	McClure "B" Well No. 14
16	2	Atlantic-Richfield Co.	McClure "A" Well No. 16
17	22	Ralph Lowe	F. Hair Well No. 2
18	22	Ralph Lowe	F. Hair Well No. 1
19	2	Atlantic-Richfield Co.	McClure "A" Well No. 2
20	2	Atlantic-Richfield Co.	McClure "A" Well No. 8
21	12	Skelly Oil Company	Mexico "K" Well No. 12
22	12	Skelly Oil Company	Mexico "K" Well No. 13
23	12	Skelly Oil Company	Mexico "K" Well No. 14
24	12	Skelly Oil Company	Mexico "K" Well No. 10
25	12	Skelly Oil Company	Mexico "K" Well No. 9
26	12	Skelly Oil Company	Mexico "K" Well No. 8
27	. 12	Skelly Oil Company	Mexico "K" Well No. 6
28	2	Atlantic-Richfield Co.	McClure "A" Well No. 6
29	2	Atlantic-Richfield Co.	McClure "A" Well No. 5
30	23	Atlantic-Richfield Co.	L. E. Vance Well No. 2
31	23	Atlantic-Richfield Co.	L. E. Vance Well No. 1
32	2	Atlantic-Richfield Co.	McClure "A" Well No. 4
33	2 :	Atlantic-Richfield Co.	McClure "A" Well No. 1
34	12	Skelly Oil Company	Mexico "K" Well No. 2
35	12	Skelly Oil Company	Mexico "K" Well No. 4
36	12	Skelly Oil Company	Mexico "K" Well No. 5
37	12	Skelly Oil Company	Mexico 'K" Well No. 1
38	11	Gulf Oil Corporation	W. A. Ramsey NCT-D Well No. 1
39	10	Gulf Oil Corporation	W. A. Ramsey NCT-D Well No. 2
40	8	Gulf Oil Corporation	H. Leonard NCT-H Well No. 2
41	14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 11
42	13	Pan American	State "Y" Well No. 3
43	13	Pan American	State "Y" Well No. 10
44	13	Pan American	State "Y" Well No. 9.
45	13	Pan American	State "Y" Well No. 6
46	5	Elliott Production Co.	Elliott Fed. "H" Well No. 2
47	5	Elliott Production Co.	Elliott Fed. "II" Well No. 7
48	~ 7	Elliott Production Co.	Elliott "S" Well No. 2
	•	FERRES TERROCTOR OO!	Present D MCTT NO. 5

		1
Unit Tract Well No. Number	Former Operator	Former Lease and Well Number
49 4 50 5 51 6 52 13 53 13	Sunshine Royalty Co. Elliott Production Co. Elliott Production Co. Pan American Pan American	Elliott Fed. Well No. 1 Elliott Fed. "H" Well No. 6 Elliott "R" Well No. 1 State "Y" Well No. 2 State "Y" Well No. 8
54 13	Pan American	State "Y" Well No. 5
55 13	Pan American	State "Y" Well No. 11
56 14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 21
57 9 58 14	Gulf Oil Corporation	H. Leonard NCT-I Well No. 2
59 14	Gulf Oil Corporation Gulf Oil Corporation	H. Leonard NCT-G Well No. 13 H. Leonard NCT-G Well No. 14
60 15	Skelly Oil Company	Mexico "J" Well No. 15
61 15	Skelly Oil Company	Mexico "J" Well No. 9
62 15	Skelly Oil Company	Mexico "J" Well No. 10
63 15	Skelly Oil Company	Mexico "J" Well No. 7
64 25	Texaco, Inc.	J. B. McGhee Well No. 1
<b>65 25</b>	Texaco, Inc.	J. B. McGhee Well No. 6
66 24	Texaco, Inc.	J. B. McGhee Well No. 8
67 25	Texaco, Inc.	J. B. McGhee Well No. 7
68 15	Skelly Oil Company	Mexico "J" Well No. 21
69 15	Skelly Oil Company	Mexico "J" Well No. 20
70 15	Skelly Oil Company	Mexico "J" Well No. 19
71 15 72 14	Skelly Oil Company	Mexico "J" Well No. 16
72 14 73 14	Gulf Oil Corporation Gulf Oil Corporation	H. Leonard NCT-G Well No. 23
74 14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 15 H. Leonard NCT-G Well No. 10
75 14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 19
76 16	Skelly Oil Company	Mexico "L" Well No. 16
77 16	Skelly Oil Company	Mexico "L" Well No. 17
78 16	Skelly Oil Company	Mexico "L" Well No. 14
79 16	Skelly Oil Company	Mexico "L" Well No. 15
80 17	Atlantic-Richfield Co.	Lea State 263 Well No. 3
81 16	Skelly Oil Company	Mexico "L" Well No. 21
82 16 83 16	Skelly Oil Company	Mexico "L" Well No. 20
84 16	Skelly Oil Company Skelly Oil Company	Mexico "L" Well No. 19
85 14	Gulf Oil Corporation	Mexico "L" Well No. 18 H. Leonard NCT-G Well No. 20
86 14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 12
87 1	Texaco, Inc.	C. E. Penney Well No. 6
88 16	Getty Oil (Skelly)	Mexico "L" #23
89 2	Getty Oil (Skelly)	Mexico "J" #23
90 5 91 6	HNG Oil	Elliot Fed 31 #4 Elliot Fed 31 #3
92-96	Infill Drilled between July,	1986 and June, 1989
97-108	Infill Drilled between July,	1990 and March, 1991

Attached is a plat which shows the development of the West Dollarhide Drinkard Pool and the proposed Unit boundary. The proposed injection wells are indicated on this plat and are tabulated below:

COMPANY	LEASE	WELL :	LOCATION
	(·		UNIT SEC-T-R
Texaco, Inc.	Paul Stephens	2	D 19-24-38
Texaco, Inc.	E. M. Byers	1	L 19-24-38
Texaco, Inc.	United Royalty "A"	3	F 19-24-38
Texaco, Inc.	United Royalty "A"	5	N 19-24-38
Sinclair Oil & Gas Company	McClure Fed.	21	B 19-24-38
Sinclair Oil & Gas Company	McClure Fed.	19	J 19-24-38
Sinclair Oil & Gas Company	McClure Fed.	18	P 19-24-38
Ralph Lowe	F. Hair	1	F 30-24-38
Sinclair Oil & Gas Company	L. E. Vance	î	N 30-24-38
Sinclair Oil & Gas Company	McClure Fed.	ī	P 30-24-38
Sinclair Oil & Gas Company	•		
	McClure Fed.	5	J 30-24-38
Sinclair Oil & Gas Company	McClure Fed.	8	н 30-24-38
Sinclair Oil & Gas Company	McClure Fed.	16	B 30-24-38
Skelly Oil Company	Mexico "K"	1	P 29-24-38
Skelly Oil Company	Mexico "K"	4	N 29-24-38
Skelly Oil Company	Mexico "K"	6	L 29-24-38
Skelly Oil Company	Mexico "K"	9	J 29-24-38
Skelly Oil Company	Mexico "K"	13	F 29-24-38
Skelly Oil Company	Mexico "K"	15	D 29-24-38
Gulf Oil Corporation	Ramsay "D"	2	N 28-24-38
Gulf Oil Corporation	Leonard "I"	2	F 33-24-38
Gulf Oil Corporation	Leonard "G"	11	D 33-24-38
Gulf Oil Corporation	Leonard "G"	14	L 33-24-38
Gulf Oil Corporation	Leonard "G"	15	N 33-24-38
Skelly Oil Company	Mexico "J"	7	L 32-24-38
Skelly Oil Company	Mexico "J"	9	J 32-24-38
Skelly Oil Company	Mexico "J"	16	P 32-24-38
Skelly Oil Company	Mexico "J"	20	N 32-24-38
Pan American	State "Y"	11	H 32-24-38
Pan American	State "Y"	8	F 32-24-38
Pan American	State "Y"	10	
Pan American	State "Y"		B 32-24-38
Texaco, Inc.	J. B. McGhee	6	D 32-24-38
Texaco, Inc.	J. B. McGhee	6	J 31-24-38
Elliott Production	Elliott "H"	7	P 31-24-38
Elliott and Hall	Elliott "R"	7	B 31-24-38
Sunshine Royalty	Elliott Fed.	1	Н 31-24-38
Skelly Oil Company	Mexico "L"	1	F 31-24-38
Skelly Oil Company	Mexico "L"	15	D 5-25-38
Skelly Oil Company		17	B 5-25-38
Skelly Oil Company	Mexico "L"	18	H 5-25-38
Gulf Oil Corporation	Mexico "L"	20	F 5-25-38
Gulf Oil Corporation	Leonard "G"	12	F 4-25-38
our our poraction	Leonard "G"	19	D 4-25-38

^{*}Conversion of these four wells will be temporarily delayed until lease line agreements are made.

R-37-E R-38-E 1 E M Byers T 24 S CITIES SERVICE p. p." X. T 25 S LEGENO PROPOSED WATERFLOOD PATTERN -- PHOPOSED UNIT BOUNDARY DOLLARHIDE (TUBB DRINKARD) POOL LEA COUNTY, NEW MEXICO MATER INJECTION WELL

### P 365 085 092

### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)

10	1000 (1000)	
234-55	Sent to Chevron USA In	c.
. 1989-	Street and No. Box 1150	
¢ U.S.G.P.O. 1989-234-555	P.O., State and ZIP Code Midland, TX 7	9702
.⇔U.	Postage	s.75
	Certified Fee	1.00
	Special Delivery Fee	
	Restricted Delivery Fee	
2	Return Receipt showing to whom and Date Delivered	1.00
PS Form 3800, June 1985	Return Receipt shawing to whom Date, and Address of Delivery	\
, Jun	TOTAL Postage and Fees	2.75
3800	Postmark or Date 1992	
Form		
S	****	

### P 365 085 089

### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

	(See Reverse)	
⇔U.S.G.P.O. 1989-234-555	Sent to Sirgo OPerating	g Co.
1989-2	Street and No. P.O. Box 3531	
S.G.P.O	P.O., State and ZIP Code Midland, Texas	79702
ÿ.	Postage	s, 75
	Certified Fee	1.00
	Special Delivery Fee	
	Restricted Delivery Fee	
ın	Return Receipt showing to whom and Date Detre Res. S;	W00
Form 3800, June 1985	Return Receipt showing to wittom. Date, and Address of Delivery 4 D	
	TOTAL Postage and Rees 100%	2.75
	Postmark or Date	
Form		
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### P 365 085 091

### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)

• -		
34-55	Sent to Joyce & George	Willis
1989-2	Street and No. P.O. BOx 307	
a U.S.G.P.O. 1989-234-555	P.O., State and ZIP Code  Jal, NM 88252	
≎ U.S	Postage	s.75
	Certified Fee	1.00
	Special Delivery Fee	
	Restricted Delivery Fee	
June 1985	Return Receipt showing to whom and Date Delivered	1.00
	Return Receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	32.15
PS Form 3800, June 1985	Postmark or pate	

### P 345 085 090 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)

34-55	Sent to Elena & William Grove				
⊄ U.S.G.P.O. 1989-234-555	Street and No. P.O. Box Drawer	- G			
3.6.20	P.O., State and ZIP Code  Ja1, NM 8825	2			
άU.§	Postage	s.75			
	Certified Fee	1.00			
	Special Delivery Fee				
	Restricted Delivery Fee				
	Return Receipt showing to whom and Date Delivered	1.00			
1985	Return Receipt showing to whom, Date, and Address of Delivery				
June	TOTAL Postage and Fees	\$2.75			
PS Form 3800, June 1985	Postmark of Date				

### AFFIDAVIT OF PUBLICATION

State of New Mexico. County of Lea.

of.

T	Kathi	Bearden	
4	Kallil	pearden	

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

0ne	weeks.
Beginning with the is	sue dated
Mar. 11	<u>1992</u>
and ending with the is	
and ending with the is	sue dated
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Notary Public.	
3. <b>4.3 (1.2</b> 5.25)	
My Commission expire	S
1,2,000	
- Aug 5	, 1995
(Seal)	

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.

Notice is hereby given of the application of Texaco Expicration and Production Inc.
Attention: Terry L. Frazier, Area Manager, P.O. Box 730, Hobbs, New Mexico, 88240, Telephone (505) 393-7191/10 the New Mexico Oil Conservation Commission, Energy and

CHARGE PERMIT ALDEM A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF

Telephone (505) 393-7191/10 the New Mexico Oil. Conservation Commission, Energy and alinerals Department, for approval of the following injection wells to be drilled for the purpose of secondary oil, repoyery, and lease (Unit Name; West Collar, ide Drinkard Unit Well Nomber (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (5) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6) and Location (6)