

THE SENSON HAVESTON HERE WESTERN

December 19, 1991

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

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 four wells designated in this application are producing wells that will be converted to 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 be expanded to include the conversion of the four subject wells. Administration approval is requested so that the necessary operations can be advanced in a prudent manner.

Yours very truly,

James A. Head

Hobbs Area Manager

JAH:rtm

attachments

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

FORM C-108 Revised 7-1-81

APPLICATION	FOR	AUTHORIZATION	ΤO	INJECT

- XX Secondary Recovery L Disposal Pressure Maintenance Purpose: Application qualifies for administrative approval? Operator: Texaco Exploration & Production Inc. II. Hobbs, New Mexico 88240 P.O. Box 730, Address: Contact party: James A. Head, Area Manager (505) - 397 - 0411Phone: Well data: Complete the data required on the reverse side of this form for each well III. proposed for injection. Additional sheets may be attached if necessary. IV. Is this an expansion of an existing project? XX yes no If yes, give the Division order number authorizing the project R=3768, WFX=608
 - V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection 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 review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
 - VII. Attach data on the proposed operation, including:
 - l. Proposed average and maximum daily rate and volume of fluids to be injected;
 - 2. Whether the system is open or closed;
 - 3. Proposed average and maximum injection pressure;
 - 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 - 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
 - IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
 - 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 faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name:	James	Α.	Head	Title _	Area Manager
Signat	ure: _		11. Thank 1811	Date:	12-19-91

* If the information required 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, 1969, Expansion Application, May 5, 1991

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:
 - 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 zon∈ 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 Conversion of Wells to Injection Status

West Dollarhide Drinkard Unit, Dollarhide Tubb Drinkard

#68	_	Unit	Letter	M_,	660	FWL_	&	660	FSL,	Section	32,	T24S,	R38E
#83	-	Unit	Letter	G,	1656	FNL	&	1980	FEL,	Section	5,	T25S,	R38E
#88	_	Unit	Letter	Α,	667	FNL	&	500	FEL,	Section	_5,	T25S,	R38E
#89		Unit	Letter	Ο,	660	FSL	&	1830	FEL,	Section	32,	T24S,	R38E

- III. All pertinent well data is included on the well schematic sheets. Wells #88 and #89 are recompletions of deeper Fusselman wells so there is a about a 1000' dead zone between the perfs and the next deeper bridge plug. When the 1992 infill wells are drilled, they will test the deeper Abo formation to a planned TD of approximately 7500'. Additional Abo pay may be perfed in the subject wells for injection support. A CIBP will be placed near the lowest Abo perfs at that time.
- 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 last waterflood expansion application (WFX-608).

No wells have been drilled into or through the unitized interval after the infill well WDDU #108 well was drilled. The unitized interval in WDDU #70 will be plugged in January; see attached proposed abandonment schematic. This will be done before the adjacent well WDDU #89 is converted. #89 is planned as a 1993 conversion but is included in this application in case problems are encountered with one of the other proposed conversions.

Texaco operated Mexico L #1, #2 and #3 will be temporarily abandoned by having the Fusselman zones plugged off. At the concurrence of Mr. Jerry Sexton of the NMOCD, they will be held for spare injection wellbores for the West Dollarhide Drinkard Unit, assuming the casing passes mechanical integrity tests.

A map showing the locations of the pending 1992 infill wells is also included. Most of the conversion work will be started in the first 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 February of 1992. WDDU #62 will be plugged due to collapsed casing, in the first quarter of 1992. It will be replaced by #122 which will be the last well drilled, sometime around July of 1992.

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

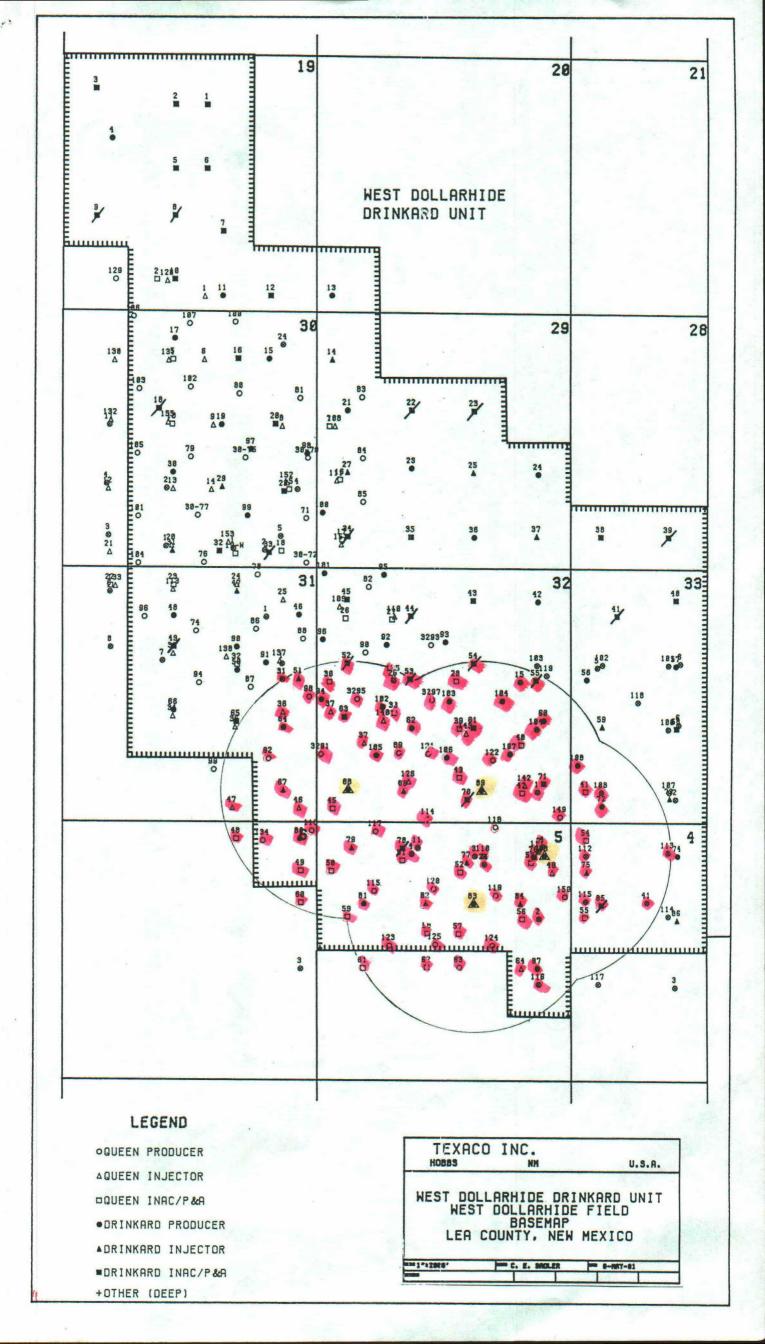
To date the following West Dollarhide Drinkard Unit wells have been plugged and abandoned:

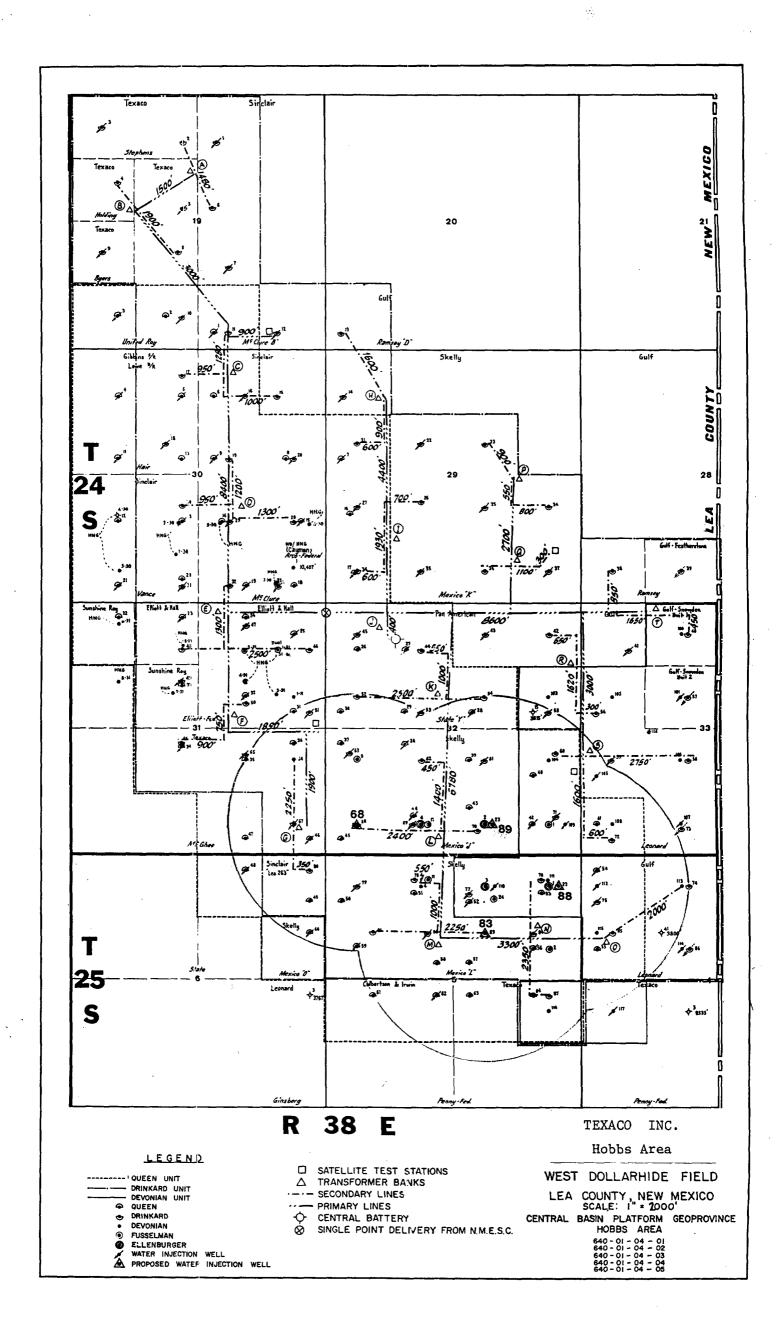
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T-24-S, R-38-E
     Section 19: WDDU #s
                          8 and 9
     Section 28: WDDU #
                          39
     Section 29: WDDU #s
                          22, 23 and 34
     Section 30: WDDU #s
                          18 and 33
     Section 31: WDDU #s
                          49
     Section 32: WDDU #s
                          44, 52, 53, 54 and 55
     Section 33: WDDU #
                          41
T-25-S, R-38-E
     Section 04: WDDU #
                          85
     Section 05: WDDU # 76 and 78
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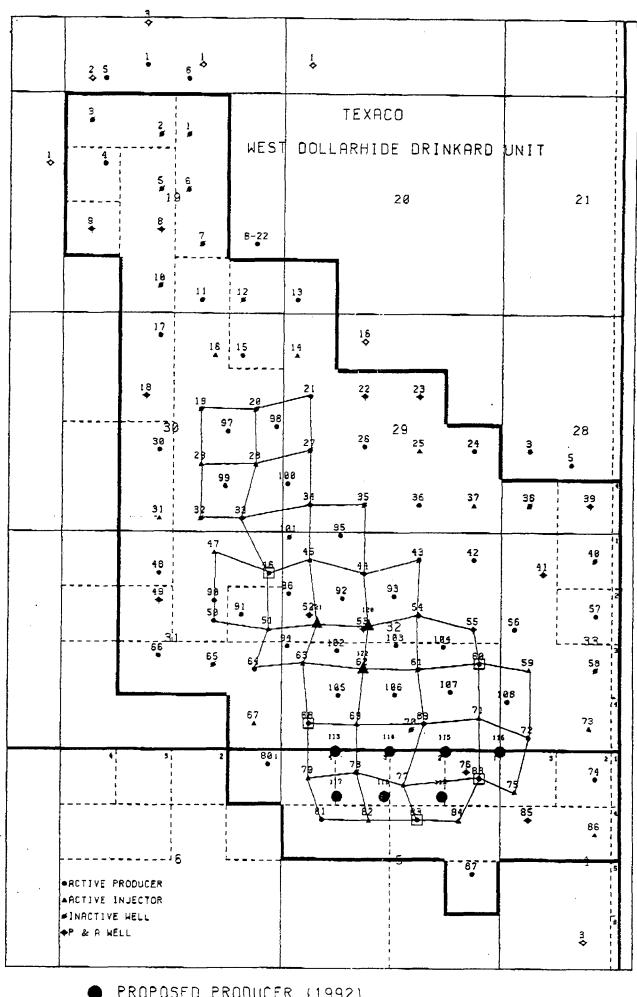
As part of the 1992 infill drilling package, WDDU #62 and #70 will be plugged out of the unitized interval. Assuming the casing in these wells is intact, they will be evaluated for future recompletions in shallower zones. Schematics for #70

are attached since the intent to abandon has been approved.

- 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 sealers 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.







PROPOSED PRODUCER (1992)

PROPOSED INJECTOR (1992)

PROPOSED CONVERSION (1992)

NKARD MEXIC	
MEXIC	
	,
132	
JON PR	OGRAI
	N PR

1800 2000 3000

.S 24

S 25

Sec./Twn/Rng: M, 32,T24S,R38E Lea County, New Mexico OPERATOR: Texaco Exploration & Production Inc. LEASE: West Dollarhide Drinkard Unit Proposed conversion of former Mexico J #21 to injection. FOOTAGE LOCATION: 660 FSL, 660 FWL 68 WELL NO.:

TABULAR DATA G: Set at: 315	32# Cemented with 2000	e ' determined by <u>circulat</u>	1" Comp. Date 4-21-54	Casing: Set at:	Cemented with	' determined by	Hole Size Queen squeezed 150 sx, 600 sx	Set at: 646	5.5# Cemented with 450	f. ' determined by sgz-circ	1 000 001 0 mm monit 11 010 0 min of 0 0 1011
Surface Casing:	Size 8 5/8, 32#	TOC surface	Hole Size 11"	, <u>Intermediate casing:</u> m.	Size	asing circ TOC		J-55, Production Casing:	4' Size 5 1/2,15.5#	TOC 3725/surf.	
EN.	3147' DF	57.7.7.	S C C C	1/ Liner 8 5/8, 32#, J-55, 2000 sx, circ cem.		Queen squeezed, casing swaged, 1300 sx, circ	אייאריפס ו-חג	5 1/2", 15.5#, J-55	fs: 6357'-	360 sx, circ.	-
SCHEMATIC											
	Gr	• •		3150	•	• •		6460'	6209		.0989

sx X

sx.

ed by circulated

3150

run 3/79, 650 sx. ed by sqz-circ. Injection Interval:

ed with 450 sx.

64601

6357 ' to 6424 ' through: Perforations

Estimated Tops: Salt 1235'-2447'

3560 59501 62871

Drinkard

Queen Tubbs

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

5, T25S, R38E County, New Mexico LEASE: West Dollarhide Drinkard Unit Sec./Twn/Rng: G. Lea Proposed conversion of former Mexico L #19 to injection. FOOTAGE LOCATION: 1656 FNL, 1980 FEL OPERATOR: Texaco Exploration & Production Inc. 83 WELL NO.:

TABULAR DATA Set at: 3150'	# Cemented with 2000 sx.	' determined by <u>circulated</u>	Comp. Date 5-18-54	Set at:	Cemented withsx.	- dotormined by	יייייייייייייייייייייייייייייייייייייי	Hole Size Queen squeezed with 650 sx, circ.		ng: Set at: 6385'	5# Cemented with 450 sx.		determined by sqz-circ.	Hole Size 7 7/8, 4" Liner run 11/73, 650 sx.	4" Tie-back liner run 11/75, 250 sx	•
Surface Casing:	Size 8 5/8, 32#	TOC surface	Hole Size 11"	Intermediate casing:	Size none	r C E				Production Casing:	Size 5 1/2,15.5#		TOC 3877/surf.	Hole Size 7 7/8	4" Tie-	Injection Interval:
	3159' DF	4", 11.34#, Tie-back	000	8 5/8, 32#, J-55,	SOOD SA, CIIC CEIII:	Queen squeezed, 650 sx	Liner Tied-back	Liner Side-tracked	AD-1 Injection Packer	5 1/2", 15.5#, J-55, 450 sx. TOC @ 3877'	Perfs: 6450'- 6587'	4", 9.11#, Liner,	360 sx, circ.)) -		
SCHEMATIC A	Gr WNN TO			3150			5850	· 4.2			6601			PBTD 6 6588		Estimated Tops:

6450 ' to 6587 ' through: Perforations

Injection Interval:

Estimated Tops: Salt 1270'-2504'

5986 6330

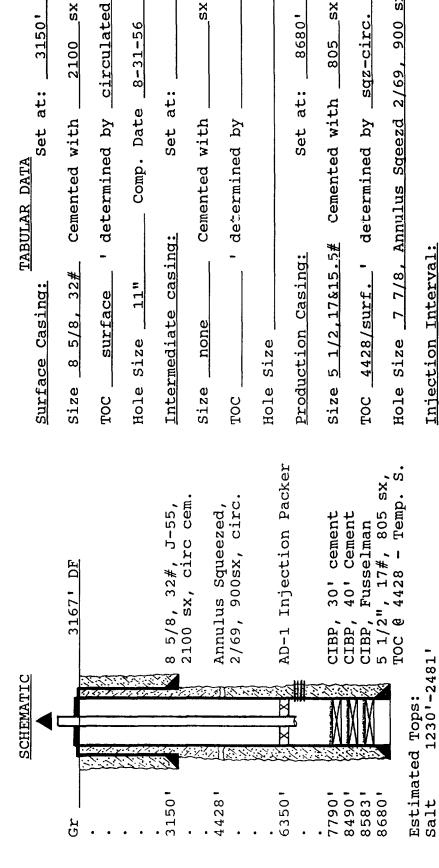
Drinkard Queen Tubbs

3590

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

5, T25S, R38E County, New Mexico LEASE: West Dollarhide Drinkard Unit A Sec./Twn/Rng: Lea # 23 to injection. 500 FEL OPERATOR: Texaco Exploration & Production Inc. 667 FNL, Proposed conversion of former Mexico L FOOTAGE LOCATION: 88 WELL NO.:

SX.



SX.

sx.

2000# WP

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

6397 ' to 6665 ' through:

63251

Drinkard

35901 5990

Queen Tubbs

Perforations

OPERATOR: Texaco Exploration & Production Inc Well: West Dollarhide Drinkard Unit #89 La County, New Mexico Sec./Twn/Rng: Unit O. Sec 32, T-24-S, R-38-E Proposed conversion of former Mexico J #23 to injection. FOOTAGE LOCATION: 1830 FELX 660 FSL

•	Gr			3150'	• •		6357	7420'	8450	0000		Tops: Salt
SCHEMATIC					ESSEA	25.50 25.50 25.50 25.50		\mathbb{N}				125
임	3158' GL		N (2) (8)		×		AD-1 INJection Facker Drinkard Perfs	CIBP, 35' cem.	CIBP, 2	1 2 1/2, 1/414#, 810 SX, TOC @ 3220 htt hond loc	ζ	1251'-2493'
TAN Surface Casing:	Size 8 5/8, 32#	TOC surface	Hole Size 11"	Intermediate casing:	Size NONE	TOC	Hole Size	Production Casing:	Size 5 1/2",17/14#	TOC 3330	Hole Size 7 3/4"	Injection Interval:
TABULAR DATA Set at 3150'	Cemented with 2000	' decermined by circulation	Comp. Date54	g: Set at	Cemented with	determined by		Set at 8	Cemented with 810	determined by Bond log		••
0.	sx.	lation	7-54		sx.			86801	o_sx.	10g		

Perforations through: Injection Interval: 6490 6357 / to

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

5970 ° 6306 ° 6504 ° 6

Drinkard **Abo**

3585

Queen Tubbs

DOLLARHIDE TUBB-DRINKARD POOL (Skelly West Dollarhide Drinkard Waterflood) Lea County, New Mexico

Order No. R-3768, Authorizing Skelly Oil Company to Institute a Waterflood Project in the West Dollarhide Drinkard Unit Area in the Dollarhide Tubb-Drinkard Pool, Lea County, New Mexico, May 28, 1969.

Application of Skelly Oil Company for a Waterflood Project, Lea County, New Mexico.

> CASE NO. 4134 Order No. R-3768

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on May 21, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 28th day of May, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises.

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Skelly Oil Company, seeks permission to institute a waterflood project in the West Dollarhide Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injection of water into the Tubb-Drinkard formation through 43 injection wells in Townships 24 and 25 South, Range 38 East, NMPM, Lea County, New Mexico.
- (3) That the applicant further seeks an administrative procedure whereby said project could be expanded to include additional lands and injection wells in the area of the said project as may be necessary in order to complete an efficient injection pattern; that said administrative procedure should provide for administrative approval for conversion to water injection in exception to the well response requirements of Rule 701 E-5 of the Commission Rules and Regulations.
- (4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.
- (5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.
- (6) That the subject application should be approved and the project should be governed by the provisions of Rules 701.

702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

IT IS THEREFORE ORDERED:

(1) That the applicant, Skelly Oil Company, is hereby authorized to institute a waterflood project in the West Dollar-hide Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injection of water into the Tubb-Drinkard formation through the following-described 43 wells in Lea County, New Mexico:

COMPANY	LEASE	Well No.	Unit	LOC Sec.	CATION T - R
Texaco Inc.	Paul Stephens	2	D	19	24S 38E
Texaco Inc.	E. M. Byers	1	L	19	24S 38E
Texaco Inc.	United Royalty	3	F	19	24S 38E
Texaco Inc.	United Royalty	. 5	N	19	24S 38E
Sinclair Oil &					
Gas Co.	McClure Fed.	21	В	19	245 38E
Sinclair Oil &					
Gas Co.	McClure Fed.	19	J	19	24S.38E
Sinclair Oil &					
Gas Co.	McClure Fed.	18	P	19	24S 38E
Gulf Oil					
Corporation Skelly Oil	Ramsey "D"	2	N	28	24S 38E
Company	Mexico "K"	1	P	29	24S 38E
Skelly Oil					
Company	Mexico "K"	4	N	29	24S 38E
Skelly Oil					
Company	Mexico "K"	6	${f L}$	29	24S 38E
Skelly Oil					
Company	Mexico "K"	9	J	29	24S 38E
Skelly Oil					
Company	Mexico "K"	13	F	29	24S 38E
Skelly Oil					
Company	Mexico "K"	15	\mathbf{p}	29	24S 38E
Ralph Lowe	F. Hair	1	F	30	24S 38E
Sinclair Oil &					
Gas Co.	L. E. Vance	1	N	30	24S 38E
Sinclair Oil &					
Gas Co.	McClure Fed.	1	P	30	24S 38E
Sinclair Oil &					
Gas Co.	McClure Fed.	5	J	30	24S 38E
Sinclair Oil &					
Gas Co.	McClure Fed.	8	H	30	24S 38E
Sinclair Oil &					
Gas Co.	McClure Fed.	16	В	30	24S 38E
Texaco Inc.	J. B. McGhee	6	J	31	24S 38E
Texaco Inc.	J. B. McGhee	7	P	31	24S 38E
Elliott Production	Elliott "H"	7	В	· 31	24S 38E
Elliott and Hall	Elliott "R"	1	H	31	24S 38E
Sunshine Royalty	Elliott Fed.	1	F	31	24S 38E
Skelly Oil Company	Mexico "J"	7	L	32	24S 38E

(DOLLARHIDE TUBB-DRINKARD (SKELLY WEST DOLLARHIDE DRINKARD WATERFLOOD) POOL - Cont'd.)

Skelly Oil					
Company	Mexico "J"	9	J	32	24S 38E
Skelly Oil	Mexico "J"	16	p	32	24S 38E
Company Skelly Oil	Mexico a	10	r	32	240 000
Company	Mexico "J"	20	N	32	24S 38E
Pan American	State "Y"	11	H	32	24S 38E
Pan American	State "Y"	8	F	32	24S 38E
Pan American	State "Y"	10	В	32	24S 38E
Pan American	State "Y"	6	D	32	24S 38E
Gulf Oil					
Corporation	Leonard "I"	2	F	33	24S 38E
Gulf Oil					
Corporation	Leonard "G"	11	D	33	24S 38E
Gulf Oil			_		
Corporation	Leonard "G"	14	L	33	24S 38E
Golf Oil	7 1 44011	10			0.40 0.00
Corporation	Leonard "G"	15	N	33	24S 38E
Gulf Oil	Leonard "G"	12	F	4	25S 38E
Corporation Gulf Oil	reonardG.	14	r	4	200 00E
Corporation	Leonard "G"	19	D	4	25S 38E
Skelly Oil	Decilar d	10		-	200 000
Company	Mexico "L"	15	D	5	25S 38E
Skelly Oil			-	•	#02 4 02
Company	Mexico "L"	17	В	5	25S 38E
Skelly Oil		- •			
Company	Mexico "L"	18	H	5	25S 38E
Skelly Oil					
Company	Mexico "L"	20	F	5	25S 38E
- •					

(2) That the subject waterflood project is hereby designated the Skelly West Dollarhide Drinkard Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Skelly West Dollar-hide Drinkard Waterflood Project to include such additional lands and injection wells in the area of said project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

- (3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

FOREST POOL (Grayburg and San Andres Waterflood) Eddy County, New Mexico

Order No. R-3756, Authorizing Continental Oil Company to Institute Three Waterflood Projects in the Grayburg and San Andres Formations in the Forest Pool, Eddy County, New Mexico, May 20, 1969.

Application of Continental Oil Company for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 4125 Order No. R-3756

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on May 7, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 20th day of May, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Continental Oil Company, seeks permission to institute three waterflood projects in the Forest Pool by the injection of water into the Grayburg and San Andres formations through ten injection wells in Sections 34 and 35, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.
- (3) That the applicant further seeks an administrative procedure whereby said projects could be expanded to include additional lands and injection wells in the areas of said projects as may be necessary in order to complete efficient injection patterns; that said administrative procedure should provide for administrative approval for conversion to water injection in exception to the well response requirements of Rule 701 E-5 of the Commission Rules and Regulations.
- (4) That the wells in the project areas are in an advanced state of depletion and should properly be classified as "stripper" wells.
- (5) That the proposed waterflood projects should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

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
11	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
2 8	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 24	2 .	Atlantic-Richfield Co.	McClure "A" Well No. 1
34 35	12	Skelly Oil Company	Mexico "K" Well No. 2
35 36	12	Skelly Oil Company	Mexico "K" Well No. 4
36 37	12	Skelly Oil Company	Mexico "K" Well No. 5
37 38	12	Skelly Oil Company	Mexico "K" Well No. 1
39	11 10	Gulf Oil Corporation	W. A. Ramsey NCT-D Well No. 1
40	8	Gulf Oil Corporation	W. A. Ramsey NCT-D Well No. 2
41		Gulf Oil Corporation	H. Leonard NCT-H Well No. 2
42	14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 11
43	13 13	Pan American	State "Y" Well No. 3
44		Pan American	State "Y" Well No. 10
45	13	Pan American	State "Y" Well No. 9
46	. 13 5	Pan American	State "Y" Well No. 6
47		Elliott Production Co.	Elliott Fed. "H" Well No. 2
48	5 7	Elliott Production Co. Elliott Production Co.	Elliott Fed. "H" Well No. 7 Elliott "S" Well No. 2

Unit	Tract		•
Well No.	Number	Former Operator	Former Lease and Well Number
49 50 51	4 5 6	Sunshine Royalty Co. Elliott Production Co. Elliott Production Co.	Elliott Fed. Well No. 1 Elliott Fed. "H" Well No. 6
52	13	Pan American	Elliott "R" Well No. 1 State "Y" Well No. 2
53	13	Pan American	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	Gulf Oil Corporation	H. Leonard NCT-I Well No. 2
5 8	14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 13
59	14	Gulf Oil Corporation	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
65	25 -	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
7 0	15	Skelly Oil Company	Mexico "J" Well No. 19
71	15	Skelly Oil Company	Mexico "J" Well No. 16
7 2	14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 23
73	14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 15
74	. 14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 10
75 °	14 .	Gulf Oil Corporation	H. Leonard NCT-G Well No. 19
. 7 6	16	Skelly Oil Company	Mexico "L" Well No. 16
77	16	Skelly Oil Company	Mexico "L" Well No. 17
7 8	16	Skelly Oil Company	Mexico "L" Well No. 14
7 9	16	Skelly Oil Company	Mexico "L" Well No. 15
80 81	17	Atlantic-Richfield Co.	Lea State 263 Well No. 3
82	16	Skelly Oil Company	Mexico "L" Well No. 21
83	16 16	Skelly Oil Company	Mexico "L" Well No. 20
84	16	Skelly Oil Company	Mexico "L" Well No. 19
85	14	Skelly Oil Company	Mexico "L" Well No. 18
86	14	Gulf Oil Corporation	H. Leonard NCT-G Well No. 20
87	1	Gulf Oil Corporation Texaco, Inc.	H. Leonard NCT-G Well No. 12
	1	rexaco, inc.	C. E. Penney Well No. 6
88	16	Getty Oil (Skelly)	Mexico "L" #23
89 .	2	Getty Oil (Skelly)	Mexico "J" +23
90 _. 91	5 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:

are mareacea on emrs prac an	a are caparacea 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 Uil & Gus Company	L. E. Vance	î	N 30-24-38
Sinclair Oil & Gas Company	McClure Fed.	1	P 30-24-38
Sinclair Gil & 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	н 32-24-38
Pan American	State "Y"	8	F 32-24-38
Pan American	State "Y"	10	B 32-24-38
Pan American	State "Y"	6	D 32-24-38
Texaco, Inc.	J. B. McGhee	6	J 31-24-38
Texaco, Inc.	J. B. McGhee	7	P 31-24-38
Elliott Production	Elliott "H"	7	B 31-24-38
Elliott and Hall	Elliott "R"	í	Н 31-24-38
Sunshine Royalty	Elliott Fed.	ī	F 31-24-38
Skelly Oil Company	Mexico "L"	15	D 5-25-38
Skelly Oil Company	Mexico "L"	17	B 5-25-38
Skelly Oil Company	Mexico "L"	18	Н 5-25-38
Skelly Oil Company	Mexico "L"	20	F 5-25-38
Gulf Oil Corporation	Leonard "G"	12	F 4-25-38
Gulf Oil Corporation	Leonard "G"	19	D 4-25-38
	,		D 4-63-30

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

R-38-E R-37-E <u>،</u>،' 1 E M Ryers T 24 S cimes service يمر ال_عمر TEXACO ٠.* λ, į, LEGENO PROPOSED WATERFLOOD PATTERN -- PHOPOSED UNIT BOUNGARY DOLLARHIDE (TUBB DRINKARD) POOL LEA COUNTY, NEW MEXICO A WATER INJECTION WELL

state of New Mexico Form C-103 Energy, Minerals and Natural Resources Department Revised 1-1-89 OIL CONSERVATION DIVISION DISTRICT WELL API NO. P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 30-025-12313 Santa Fe, New Mexico 87504-2088 P.O. Drawer DD, Artesia, NM 88210 5. Indicate Type of Lease STATE DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 6. State Oil &: Gas Lease No. B - 9311SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" West Dollarhide (FORM C-101) FOR SUCH PROPOSALS.) Type of Well: Drinkard Unit WELL. WELL OTHER 2. Name of Operator 8. Well No. 70 Texaco Exploration & Production Inc. 3. Address of Operator 9. Pool name or Wildcat Dollarhide Tubb/Drinkard P.O. Box 730, Hobbs, NM 88241-0730 505- 393-7191 Well Location 2130 Feet From The South Feet From The Line Township 24-S 38-E ī.ea Range **NMPM** Section County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3166' DF Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORARILY ABANDON **CHANGE PLANS** COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT **PULL OR ALTER CASING** CASING TEST AND CEMENT JOB OTHER: OTHER:_ 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. Notify NMOCD 24 hours prior to starting. MIRU. NU BOP. (1) (2) TIH with work string, bit and 4" casing scraper. Clean liner to TD. Check for obstructions or tight spots. The liner may have collapsed at about 6350, where it was sidetracked. POH. GIH with 5 1/2" casing scraper and clean casing to liner top at 5592'. GIH with 4" retainer and set above top perf or above collapsed casing at about 6350'. Establish pump-in rate. Squeeze perfs with 125 sx class'C cement with 5% Halad-9 fluid loss additive followed with 125 sx class 'C with 2% CaCl accelerator. Sting out and

(3) spot 5 sx on top of retainer. POH.

GIH with 5 $1/2^n$ packer and set at 5565'. If liner holds pressure (500 psi), then spot CIBP above liner and cap with 50' cement. (4)

Otherwise, establish pump-in rate into liner and liner top.

GIH with 5 1/2" retainer and set at 5575'. Squeeze liner and liner top with 100 sx class 'C' cement with 2% CaCl accelerator. (5) (6)

Pull out of retainer, spot 5 sx on top and reverse out excess cement. POH and wait on cement.

(8) Request change of status to TA; Temporary Abando	onment.	
I hereby certify that the information above is true and complete to the best of my knowled	ge and belief.	DATE 11-26-91
TYPEOR PRINT NAME Robert McNaughton	6189101773	тецерноме NO. 397-0428
(This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR	me 1991 d	DEC 0 4 1991
CONDITIONS OF APPROVAL, IF ANY:	Hopps Wess	DEC V X (OU)

RECOMMENDED ABANDONMENT- SALVAGE DEFERRED

Lease: West Dollarhide Drinkard Unit #70	Sec./Twn/Rng: Unit O, Sec 32, T-24-S, R-38-E	Lea County, New Mexico
Lease: Wes	Sec./Twn/Rng:	e recompletion.
OPERATOR: Texaco Expl. & Prod. Inc.	FOOTAGE LOCATION: 2130 FELX 510 FSL	Yates will be held for possible future recompletion.

<u>TABULAR DATA</u> Surface Plugs:	Sizesx.	Class "C" cement, 1.32 ft 3 / sx.	Intermediate plugs:	Sizesx.		Class "C" cement, 1.32 ft $^3/\mathrm{sx}$.	Producing Zone Plugs:	*Retainer @ 5575' Cemented with 100 sx. Retainer @ 6350' Cemented with 250 sx.		\star \pm 850' cement, covers to T/ Tubb perfs.					
SCHEMATIC	3166' DF				1 P	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		T/ Liner	Liner side tracked Retainer, 250 sx	TD, open hole		1252'-2495'	35751	59621	63001
ΔI	ig		· ·	3150	د در د	• •	-	5604	63451	,0069	Tobs:	salt	Queen	Tubb	Drinkard

TELEPHONE NO. (915) 688-4620

Submit to Appropriate District Office State Lease — 6 copies Foe Lease — 5 copies		, Minerals and Natural Res	sources Departme			Form C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NA		P.O. Box 2088	8	N API NO. (a	ssigned by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia, I	NM 88210	Santa Fe, New Mexico 8	87504-2088	5. Indicate	Type of Lease	TATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Azte	c, NM 87410			6. State Oi	l & Gas Lease B	No. -9613
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, O	R PLUG BACK			
a. Type of Work:				7. Lease N	ame or Unit A	greement Name
DRILL b. Type of Well: OL. GAS. WELL X WELL	L X RE-ENTE	SINGLE	PLUG BACK MULTIPLE ZONE] WEST	T DOLLARH	IIDE DRINKARD UNIT
2. Name of Operator		L		8. Well No		
	ATION AND PRODUC	TION INC.			•	113
1. Address of Operator				9. Pool nar	ne or Wildcat	
P. O. Box 3109,	Midland, Texas	79702		DOLL	ARHIDE TU	BB DRINKARD
4. Well Location Unit Letter M	: <u>136</u> Feet	From The SOUTH	Line and 12	246 Fee	From The	WEST Line
Section 3	2 Town	nahip 24-SOUTH Rang	8 38-EAST	NMPM LE	A	County
				11. Formation		
		10. Proposed Depth	135'	DRINK	ARD	12. Rotary or C.T. ROTARY
13. Elevations (Show whether GR-3140'	tr DF, RT, GR, etc.)	14. Kind & Status Plug. Bond BLANKET	15. Drilling Cont TO BE SELE	ractor	16. Approx.	Date Work will start NUARY 2, 1992
17.	P	ROPOSED CASING ANI	D CEMENT PR	OGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEP		F CEMENT	EST. TOP
20	16	65#	40'		-MIX	SURFACE
14 3/4	11 3/4	42#	1155'		90	SURFACE
7 7/8	8 5/8 5 1/2	32# 15.5# & 17#	4200' 7435'		380 140	SURFACE SURFACE
% Cacl2 (15.6ppg, "TERMEDIATE CASIN (IW/s). F/B 470 SX NODUCTION CASING - , 9.9gw/s). F/B 52	30 SX CLASS H w/ 1.19cf/s, 5.2gw/ 3 ~ 910 SX 35/65 CCLASS H w/ 2% C - 1st STG: 250 SX 20 SX CLASS H (15	2% GEL & 2% CacL2 (1 s). POZ CLASS H w/ 6% GE acl2 (15.6ppg, 1.19cf, 35/65 POZ CLASS H w 6.6ppg, 1.18cf/s, 5.2g	EL, 5% SALT & /s, 5.2gw/s). // 6% GEL, 5% lw/s).	1/4# FLOCELE	E (12.8ppg FLOCELE (g, 1.87cf/s, 9. 12.8ppg, 1.87cf/
.9gw/s). F/B 50 S	zna 51G: 620 SX 3 X CLASS H (15.6p)	5/65 POZ CLASS H w/ pg, 1.18cf/s, 5.2gw/s	6% GEL, 5% S. s).			
HERE ARE NO ORTH	ER OPERATORS IN T	HE QUARTER QUARTER	SECTION.	46	1821011	270 _€
		S BEEN REQUESTED (CO			189 10 17 7. A DEC 1991	· :
IN ABOVE SPACE DESC ZONE, GIVE BLOWOUT PREVE	TRIBE PROPOSED PROC INTER PROGRAM, IF ANY.	RAM: IF PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE D	1,900	lexaco	PROPOSED NEW PRODUCTIVE
I hereby certify that the inform	sation above is true and comple	ate to the best of my knowledge and be	dia.	/2	Hobbs Area	J.
SKINATURE C. P. P	soham/cwa	mre	DRILLING OPE	RATIONS MANA	GER DAT	_ <i>A</i> ⁴ 12-10-91

TYPE OR PRINT NAME C. P. BASHAM

(This space for State Usc)

APPROVED BY ___

CONDITIONS OF APPROVAL, IF ANY:

-					
Submit to Appropriate Listrict Office State Lease — 6 copies Fee Lease — 5 copies	Energy,	State of New Mo Minerals and Natural Ro		ent	Form C-101 Revised 1-1-89
L'ISTRICT I P.O. Box 1980, Hobbs, NI	M 88240	P.O. Box 208	88	N API NO. (assigned t	by OCD on New Wells)
INSTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87504-2088	5. Indicate Type of	CLEASE STATE X FEE
L'ISTRICT III 1000 Rio Brezos Rd., Azie	sc, №M 87410			6. State Oil & Gas	
ADDI ICA	TION FOR REDWIT	O DRILL, DEEPEN, O	OD DI LIG BACK		
11. Type of Work:	HON FOR FERMIT	O DRILL, DEEFLIN, C	ON FLOG BAON		
DRIL	L 🛛 re-enter	DEEPEN	PLUG BACK	.	Unit Agreement Name _ARHIDE DRINKARD UNIT
t. Type of Well: OL GAS. WELL X WELL	OTHER	SINGLE ZONE	X MULTIPLE 20NE		
Name of Operator			·	8. Well No.	
	ATION AND PRODUCT	ION INC.			115
Address of Operator				9. Pool name or Wi	ildcat
P. O. Box 3109	, Midland, Texas 7	9702		DOLLARHIDE	TUBB DRINKARD
l. Well Location Unit Letter A	: 121 Foot Fr	rom The NORTH	Line and 1	309 · Feet From T	The EAST Line
Section 5	Towns	hip 25–SOUTH Rat	nge 38-EAST	NMPM LEA	County
		10. Proposed Depth		11. Formation	12. Rotary or C.T.
		7////	'510'	DRINKARD	ROTARY
3. Elevations (Show wheth		4. Kind & Status Plug. Bond	15. Drilling Cont		prox. Date Work will start
GR-3165'		BLANKET	TO BE SELE	ECIED	JANUARY 2, 1992
7.	PR	OPOSED CASING AN	ND CEMENT PR	OGRAM	1
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEP	TH SACKS OF CEM	ENT EST. TOP
20	16	65#	40'	REDI-MIX	SURFACE
14 3/4	11 3/4	42#	1170'	890	SURFACE
11	8 5/8	32#	4200'	1380	SURFACE
7 7/8	5 1/2	15.5# & 17#	7510'	1440	SURFACE
RFACE CASING - 5 Cacl2 (15.6ppg, FERMEDIATE CASING W/s). F/B 470 S) DUCTION CASING 9.9gw/s). F/B 50 TOOL @ 4800' - 2 Egw/s). F/B 50 S ERE ARE NO ORTHI CATHODOX LOCATION IN ABOVE SPACE DESCENCE GIVE BLOWOUT FREVE L bereby cordify that the inform	1.19cf/s, 5.2gw/s G - 910 SX 35/65 P C CLASS H w/ 2% Ca - 1st STG: 250 SX 3 20 SX CLASS H (15.2 2nd STG: 620 SX 35 EX CLASS H (15.6ppg ER OPERATORS IN THE ON - EXCEPTION HAS CRIBE PROPOSED PROGREMER PROGRAM, IF ANY.	2% GEL & 2% CacL2 (). OZ CLASS H w/ 6% G GCI2 (15.6ppg, 1.19c B5/65 POZ CLASS H w 6ppg, 1.18cf/s, 5.2 //65 POZ CLASS H w g, 1.18cf/s, 5.2gw/s E QUARTER QUARTER BEEN REQUESTED (C	GEL, 5% SALT & f/s, 5.2gw/s). w/ 6% GEL, 5% gw/s). / 6% GEL, 5% S/s). SECTION. COPY ATTACHED	1/4# FLOCELE (12.1 SALT & 1/4# FLOCELE ALT & 1/4# FLOCELE	8 360 SX CLASS H w/ 8ppg, 1.87cf/s, 9. LE (12.8ppg, 1.87cf/s, 1.8
JANATOR —	5 l	m	A		pTip.
TYPEOR PRINT NAME C. P	. BASHAM				тецерноне NO. (915) 688-46

(This space for State Usc)

APPROVED BY ______ DATE ______

CONDITIONS OF APPROVAL, IF ANY:

٠,

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

EST. TOP

SURFACE

SURFACE

SURFACE

SURFACE

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies
DISTRICT I P.O. Box 1980, Hobbs

b. T

NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

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

₹	Indica	te Type o	flesse			
P	I NO. (assigned	by OCD	on New	Wells)	

	SINIE CALL IT	ليساناة
RICT III Rio Brizzos Rd., Aziec, NM 87410	6. State Oil & Gas Lease No. B-9613	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		
ype of Work:	7. Lease Name or Unit Agreement Name	
DRILL X RE-ENTER DEEPEN PLUG BACK PROOF OF Well:] WEST DOLLARHIDE DRINKARD	UNIT
ELL X WELL OTHER SINGLE MULTIPLE 20NE X 20NE	'o	
eme of Operator EXACO EXPLORATION AND PRODUCTION INC.	8. Well No. 116	
ddress of Operator . O. Box 3109, Midland, Texas 79702	9. Pool name or Wildcat DOLLARHIDE TUBB DRINKARD	
eti Location Unit Letter D: 67 Feet From The NORTH Line and 1	52 Feet From The WEST	_ Line
Section 4 Township 25-SOUTH Range 38-EAST	NMPM LEA C	ounty
10. Proposed Depth	11. Formation 12. Rotary or C.T.	
7580'	DRINKARD ROTAR	Υ
wations (Show whether DF, RT, GR, etc.) 14. Kind & Status Plug. Bond 15. Drilling Cond 1-3161' 15. Drilling Cond 16. SELI		
PROPOSED CASING AND CEMENT PE	ROGRAM	

SETTING DEPTH

40'

1190'

4200'

7580'

SACKS OF CEMENT

REDI-MIX

890

1380

1440

CEMENTING PROGRAM: CONDUCTOR - REDIMIX.

SIZE OF CASING

16

11 3/4

5 1/2

8 5/8

SURFACE CASING - 530 SX CLASS H w/ 2% GEL & 2% CacL2 (14.8ppg, 1.36cf/s, 6.4gw/s). F/B 360 SX CLASS H w/ 2% Cacl2 (15.6ppg, 1.19cf/s, 5.2gw/s).

WEIGHT PER FOOT

65#

42#

32#

15.5# & 17#

NTERMEDIATE CASING - 910 SX 35/65 POZ CLASS H W/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87cf/s, 9. 9gw/s). F/B 470 SX CLASS H w/ 2% Cacl2 (15.6ppg, 1.19cf/s, 5.2gw/s).

PRODUCTION CASING - 1st STG: 250 SX 35/65 POZ CLASS H W/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87cf/

s, 9.9gw/s). F/B 520 SX CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

DV TOOL @ 4800' - 2nd STG: 620 SX 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87cf/s, 9.9gw/s). F/B 50 SX CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

CHEVRON OPERATES A WELL IN THIS QUARTER QUARTER SECTION AND HAS BEEN FURNISHED A COPY OF THIS APPLICATION. JNORTHODOX LOCATION - EXCEPTION HAS BEEN REQUESTED (COPY ATTACHED).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BAC 2018. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.	A UEL	1302
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	NO ODERATIONS AND RECE	3ived 5
SKNATURE C. P. Basham /cw4 MILE DRILLIN	NG OPERATIONS MANAGEN 18	3/0-9/U
TYPEOR PRINT NAME C. P. BASHAM		103 MO 70 70 70 70 70 70 70 70 70 70 70 70 70

This	space	for	State	Usc)
		•~		~~,

SIZE OF HOLE

20

14 3/4

11 7 7/8

TITLE .

Submit to Appropriate District Office State Lease — 6 copies	Energy,	State of New Me Minerals and Natural Re		nt		Form C-101 Revised 1-1-8	39
l'es Lesse - 5 copies [NISTRICT 1'.O. Box 1980, Hobbs, Ni	A 88240	CONSERVATIO P.O. Box 208	38	API NO. (as	signed by OC	D on New Wells)	
DISTRICT II I'.O. Drawer DD, Artesia, I	S	anta Fe, New Mexico	87504-2088	5. Indicate	Type of Lease	1 3 2 1	EE 🗌
DISTRICT III 1000 Rio Brezos Rd., Azie				6. State Oil	& Gas Lease		
		O DRILL, DEEPEN, C	OR PLUG BACK		7//////	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	
1 L. Type of Work:	HOIT OIL CIWIII	O Dilica, Deel City C	JITT EOG BAOK	7. Lease No	me or Unit A	groement Name	2000
DRILL 12. Type of Well: OL. GAS. WELL [X] WELL	L X RE-ENTER	SINGLE	PLUG BACK MULTIPLE [X] ZONE		-	IDE DRINKARD	UNIT
2. Name of Operator	<u> </u>			8. Well No.			
	ATION AND PRODUCTI	ON INC.		8. Wallet.		117	
Address of Operator				9. Pool nam			
	Midland, Texas 7	9702		DOLLA	RHIDE TUE	BB DRINKARD	
4. Well Location Unit Letter D	: 1098 Feet Fr	om The NORTH	Line and 127	70 Feat	From The V	WEST	Line
_					_		
Section 5	Towns	up 25-SOUTH Ran	ige 38-EAST	NMPM LE	4 <i></i>	C	county
	#######################################			11. Formation			
		10. Proposed Depth	475'	DRINKA	IPN	12. Rotary or C.T.	1
Li. Elevations (Show whether	DE RE CR. 40	I. Kind & Status Plug. Bond	15. Drilling Contra			ROTAF Date Work will stan	
GR-3128'		LANKET	TO BE SELEC			UARY 2, 1992	
11.		OPOSED CASING AN	ID CEMENT DOC	CPAM			
SIZE OF HOLE		WEIGHT PER FOOT	SETTING DEPTH		CENERIT	EST, TO	
20	SIZE OF CASING 16	65#	40'	REDI-		SURFACE	
14 3/4	11 3/4	42#	1175'	89		SURFACE	
11	8 5/8	32#	4200'		80	SURFAC	
7 7/8	5 1/2	15.5# & 17#	7475'	14		SURFAC	
URFACE CASING - 5 K Cacl2 (15.6ppg, TERMEDIATE CASING gw/s). F/B 470 SX RODUCTION CASING - 9.9gw/s). F/B 52 V TOOL @ 4800' - 2 PGO OPERATES A W NORTHODOX LOCATK IN ABOVE SPACE DESC BONGL GIVE BLOWOUT PREVE	1.19cf/s, 5.2gw/s) G - 910 SX 35/65 P C CLASS H w/ 2% Ca - 1st STG: 250 SX 3 20 SX CLASS H (15.6 2nd STG: 620 SX 35 X CLASS H (15.6ppg //ELL IN THIS QUARTE DN - EXCEPTION HAS CRIBE PROPOSED PROGR INTER PROGRAM, IF ANY.	2% GEL & 2% CacL2 (EL, 5% SALT & 1 f/s, 5.2gw/s). w/ 6% GEL, 5% S gw/s). / 6% GEL, 5% SAL S). AND HAS BEEN F OPY ATTACHED). FOR PLUO BACK, GIVE DAT	ALT & 1/4# FLOCELE ALT & 1/4# FLOCELE T & 1/4# FLOCELE URNISHED A CO	CITYE ZONE 20	1.87cf/s, 9 12.8ppg, 1.87c 1.8ppg, 1.87c	9. 7cf/ cf/s, ON.
SIGNATURE	Basham/cw#	m.	E DRILLING OPER	ATIONS MANAG	ER DATI	12-16-	91
TYPEORPRINT NAME C. P	BASHAM			`	1016 BY	THOME 601 (915)	688-46

(This space for State Use)

APPROVED BY....

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate

State of New Mexico

Form C-101

District Office State Lease 6 copies	Energy	, Minerals and Natural Ro	esources Departm	ent		Revised 1-1-89		
Fee Lesse 5 copies <u>INSTRICTI</u> P.O. Box 1980, Hobbs, Ni		CONSERVATION P.O. Box 200		N API NO. (assigned by OC	CD on New Wells)		
L'ISTRICT II P.O. Drawer DD, Artesia, I		Santa Fe, New Mexico 87504-2088			5. Indicate Type of Lease STATE X FEE			
<u>I ISTRICT III</u> 1000 Rio Brazos Rd., Azte	c, NM 87410			6. State C	il & Gas Lease			
	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK					
i. Type of Work:				7. Lease 1	Name or Unit A	greement Name		
	L X RE-ENTE	R DEEPEN	PLUG BACK	WES	T DOLLARH	IIDE DRINKARD UNIT		
t. Type of Well: OR OAS. WELL X WELL	OTHER	SINGLE ZONE	X MULTIPLE 20NE					
Name of Operator	ATION AND DOOD IO	FION INO		8. Well N	o.			
	ATION AND PRODUC	ION INC.		O Pool se	me or Wildcat	119		
Address of Operator P. O. Box \$109.	Midland, Texas	79702		1		BO DRINKARO		
Unik Letter B Section 5		From The NORTH Strip 25-SOUTH Ran	Line and _1:		et From The	County		
		10. Proposed Depth		11. Formation	******	12. Rotary or C.T.		
		//////	555'	DRINE		ROTARY		
. Elevations (Show whether GR-3163'	er DF, RT, GR, etc.)	14. Kind & Status Piug. Bond BLANKET	15. Drilling Cont TO BE SELI		1 **	Dete Work will start IUARY 2, 1992		
). 	Pf	ROPOSED CASING AN	ID CEMENT PR	OGRAM		~···		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEP		F CEMENT	EST. TOP		
14 3/4	16 11 3/4	65# 42#	40' 1150'		<u>I–MIX</u> 90	SURFACE SURFACE		
11	8 5/8	32#	4200'		1380	SURFACE		
7 7/8	5 1/2	15.5# & 17#	7555'		440	SURFACE		
Caci2 (15.6ppg, ERMEDIATE CASING #/s). F/B 470 SX DUCTION CASING 9.9gw/s). F/B 52 TOOL @ 4800' - 2 1gw/s). F/B 50 SGO OPERATES A WORTHODOX LOCATION	1.19cf/s, 5.2gw/s 3 - 910 SX 35/65 3 CLASS H w/ 2% C - 1st STG: 250 SX 20 SX CLASS H (15 2nd STG: 620 SX 3 X CLASS H (15.6pp /ELL IN THIS QUART	POZ CLASS H w/ 6% G acl2 (15.6ppg, 1.19c 35/65 POZ CLASS H v .6ppg, 1.18cf/s, 5.2 5/65 POZ CLASS H w .fg, 1.18cf/s, 5.2gw/ TER QUARTER SECTION S BEEN REQUESTED (C	GEL, 5% SALT & f/s, 5.2gw/s). w/ 6% GEL, 5% gw/s). / 6% GEL, 5% S. s). AND HAS BEEN	1/4# FLOCEL SALT & 1/4# ALT & 1/4# FI FURNISHED A (E (12.8ppg FLOCELE (LOCELE (12 10.21.22 COPY OF TH	g, 1.87cf/s, 9. 12.8ppg, 1.87cf/ 2.8ppg, 1.87cf/s,		
HONE. GIVE BLOWOUT PREVE	NTER PROGRAM, IF ANY.	RAM: IF PROPOSAL IS TO DEEPEN to to the best of my knowledge and it	hallef		DUCTIVE ZONE AN	DOWNORDSED NEW PRODUCTIVE		
	Basham/cw4		DRILLING OPE	RATIONS MANA	(/ NGERA	1. 12-10-91		
TYPE OR PRINT NAME C. P	•	m	E		32.3	EPHONE NO. (915) 688-		
TITE OF TRAIL NAME					•61	A LONE NO.		
This space for State Use)								

TITLE ____

CONDITIONS OF APPROVAL, IF ANY:

/PPROVED BY_

Submit to Appropriate District Office State Lease — 6 copies Fee Lease — 5 copies

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

Fee Lesse - 5 copies	077	CONTORDAL A MYC	ANT TOTAL TALL		
IUSTRICT I F.O. Box 1980, Hobbs, NI	M 88240	CONSERVATION P.O. Box 20	88	API NO. (assigned by OC	D on New Wells)
INSTRICT II P.O. Drawer DD, Artesia, I		Santa Fe, New Mexico	87504-2088	5. Indicate Type of Lease	FATE X FEE
I <u>ISTRICT III</u> 1000 Rio Brazos Rd., Azte	oc, NM 87410			6. State Oil & Gas Lease	
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK		
ii. Type of Work:	TOTT OTT LITTER	10011102,022,211,1	011120001011	7, Lease Name or Unit A	
	•		_	7, Lease Name of Out A	Stocurent Listure
h. Type of Well:	L X RE-ENTE	DEEPEN SINGLE	PLUG BACK	WEST DOLLARH	IDE DRINKARD UNIT
MEIT MEIT	OTHER INJECTION		X ZONE		
Name of Operator TEXACO EXPLOR	ATION AND PRODUCT	TON INC		8. Well No.	100
Address of Operator	ATION AND PRODUCT	1011 IIIO.		9. Pool name or Wildcat	120
	, Midland, Texas	79702		DOLLARHIDE TUE	BB DRINKARD
Well Location Unit Letter F	: 2190 Feet I	From The NORTH	Line and 2224	Peet From The	WEST Line
Section 3	12 Town	ghip 24–SOUTH Ra	nge 38-EAST 1	NMPM LEA	County
		10. Proposed Depth	11. F	formation	12. Rotary or C.T.
		/////\	7745'	DRINKARD	ROTARY
Elevations (Show whether	* * * 1	14. Kind & Status Plug. Bond BLANKET	15. Drilling Contractor TO BE SELECTE		Date Work will start UARY 2, 1992
•		ROPOSED CASING AN	UD CEMENT PROGE		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20	16	65#	40'	REDI-MIX	SURFACE
14 3/4	11 3/4	42#	1220'	890	SURFACE
11	8 5/8	32#	4200'	1380	SURFACE
7 7/8	5 1/2	15.5# & 17#	7745'	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	1.19cf/s, 5.2gw/s G - 910 SX 35/65 I C CLASS H w/ 2% C - 1st STG: 250 SX 20 SX CLASS H (15, 2nd STG: 620 SX 3	2% GEL & 2% CacL2	GEL, 5% SALT & 1/4 f/s, 5.2gw/s). w/ 6% GEL, 5% SALT gw/s). / 6% GEL, 5% SALT	# FLOCELE (12.8ppg	1, 1.87cf/s, 9. 12.8ppg, 1.87cf/
		ER QUARTER SECTION			
					A
IN ABOVE SPACE DESC	CRIBE PROPOSED PROGI	RAM: IF PROPOSAL IS TO DEEPEL	N OR PLUG BACK, GIVE DATA ON	PRESENT PRODUCTIVE ZONE AM	1061 PHOPOSED NEW PRODUCTIVE
hereby certify that the inform	nation above is true and complet	e to the best of my knowledge and	belia.	Texaco Hobbs	ved 6
_	Basham/cw4	m	DRILLING OPERATION	ONS MANAGER HOBBS AF	rea 12610-91
YPEOR PRINT NAME C. P	•			A.05 28.28.28.28.28.28.28.28.28.28.28.28.28.2	10 (915) 688-
This space for State Use)					
UPPROVED BY		m	LE	DAT	Е

Submit to Appropriate
District Office
State Lease — 6 copies
Fig. 1 case — 5 copies

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

File Lease — 3 copies	OTT (CONTRACTOR	TANTOTOTAL LA		
DISTRICT I P.O. Box 1980, Hobbs, NI	M 88240	P.O. Box 200	38	API NO. (assigned by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia,	S NM 88210	anta Fe, New Mexico	87504-2088	5. Indicate Type of Lease S1	FEE T
D <u>ISTRICT III</u> 1000 Rio Bruzos Rd., Azte	oc, NIM 87410			6. State Oil & Gas Lease B-	No. -9613
ADDITOAT	TION FOR DEDUIT T	O DRILL, DEEPEN, O	OR DITIG BACK		7777777777777
Type of Work:				7. Lease Name or Unit A	greement Name
DRILL	L 🗓 RE-ENTER	DEEPEN SINGLE	PLUG BACK	WEST DOLLARH	IDE DRINKARD UNIT
MET MET	OTHER INJECTION	WELL ZONE	X ZONE		
Name of Operator TEXACO EXPLOR	ATION AND PRODUCTI	ON INC.		8. Well No.	121
Address of Operator	, Midland, Texas 7	9702		9. Pool name or Wildcat	DD DDINKAOD
Well Location	midiand, rexas r	3702		DOLLARHIDE TUE	3B URINKARU
Unit Letter E	: 2176 Feet Fr	om The NORTH	Line and 656	Peet From The	WEST Line
Section 3	2 Towns	nip 24-SOUTH RAI	nge 38-EAST	NMPM LEA	County
		10. Proposed Depth	11.	Formation	12. Rotary or C.T.
		7////	705'	DRINKARD	ROTARY
Elevations (Show whethe		4. Kind & Status Plug, Bond BLANKET	15. Drilling Contractor TO BE SELECT		Date Work will start
		OPOSED CASING AN	ID CEMENT PROG		, , , , , , , , , , , , , , , , , , , ,
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST, TOP
20	16	65#	40'	REDI-MIX	SURFACE
14 3/4	11 3/4	42#	1210'	890	SURFACE
11	8 5/8	32#	4200'	1380	SURFACE
7 7/8	5 1/2	15.5# & 17#	7705'	1440	SURFACE
RFACE CASING - 5 Cacl2 (15.6ppg, ERMEDIATE CASING V/S). F/B 470 SX DOUCTION CASING - 9.9gw/s). F/B 5 TOOL @ 4800' - 1 gw/s). F/B 50 S	1.19cf/s, 5.2gw/s) G - 910 SX 35/65 P C CLASS H w/ 2% Ca - 1st STG: 250 SX 3 20 SX CLASS H (15.0 2nd STG: 620 SX 35 X CLASS H (15.6ppg	2% GEL & 2% CacL2 (). 0Z CLASS H w/ 6% 6 cl2 (15.6ppg, 1.19c 55/65 POZ CLASS H v 5ppg, 1.18cf/s, 5.2 /65 POZ CLASS H w 1, 1.18cf/s, 5.2gw/	GEL, 5% SALT & 1/4 f/s, 5.2gw/s). w/ 6% GEL, 5% SAL gw/s). / 6% GEL, 5% SALT s).	s, 6.4gw/s). F/B 360 4# FLOCELE (12.8ppg .T & 1/4# FLOCELE (12 & 1/4# FLOCELE (12	g, 1.87cf/s, 9. 12.8ppg, 1.87cf/ 2.8ppg, 1.87cf/s,
OPERATES A W	VELL IN THIS QUARTE	R QUARTER SECTION	AND HAS BEEN FUR	RNISHED A COPY OF TH	7.
N ABOVE SPACE DESC	CRIBE PROPOSED PROGR	AM: IF PROPOSAL IS TO DEEPER	Y OR PLUG BACK, GIVE DATA C	DEC PRESENT PRODUCTIVE ZONE NO RECE	
					aco G/
		to the best of my knowledge and	belier. _ DRILLING OPERAT	Hobbs	s Area
YPEOR PRINT NAME C. P	Basham/ Swil Basham	mn	E	285/30/1	.450
This space for State Use)					
PEROVED BY		m	E	DAT	E

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101

Event to Appropri	aic
State Lease - 6 copie	ies cs

OTT.	CONSERV	ATTON	DIVISION

Revised 1-1-89

DISTRICT I		CONSERVATION		API NO. (assigned t	by OCD on New Wells)
I'.O. Box 1980, Hobbs, NA		P.O. Box 200 anta Fe, New Mexico			
I)ISTRICT II I'.O. Drewer DD, Artesia, I		anta re, New Mexico	67304-2000	5. Indicate Type of	STATE X FEE
DISTRICT III	- NR - 97410			6. State Oil & Gas	_ · · · · - · ·
1000 Rio Brazos Rd., Azte	·			- home	B-9613
	TION FOR PERMIT T	O DRILL, DEEPEN, O	OR PLUG BACK		
1 L. Type of Work:	•			7. Lease Name or U	Juit Agreement Name
b. Type of Well:	L X RE-ENTER	DEEPEN SINGLE	PLUG BACK MULTIPLE	WEST DOLL	ARHIDE DRINKARD UNIT
MET MET C	OTHER INJECTION Y	WELL ZONE	X ZONE		
2. Name of Operator	ATION AND PRODUCTI	ON INC		8. Well No.	400
	TION AND PRODUCT			9. Pool name or Wi	122
Address of Operator P. O. Box 3109.	Midland, Texas 7	9702			TUBB DRINKARD
) DOCEARINGE	TOOD DIMINATE
4. Well Location Unit Letter K	: 2055 Feet Fr	om The SCUT!!	Line and 19	Peet From T	he WEST Line
Section 3	2 Towns	uip 24-SOUTH Rau	nge 38-EAST	NMPM LEA	County
		10. Proposed Depth		11. Formation	12. Rotary or C.T.
		////\	'635 '	DRINKARD	ROTARY
	THE RT GR ato 1	4. Kind & Status Piug. Bond	15. Drilling Contr		prox. Date Work will start
GR-3168'		SLANKET	TO BE SELE		JANUARY 2, 1992
7.	PRO	OPOSED CASING AN	ND CEMENT PR		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPT		
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
6 Cacl2 (15.6ppg, TERMEDIATE CASING JW/s). F/B 470 SX RODUCTION CASING - 9.9gw/s). F/B 52 / TOOL @ 4800' - 2	1.19cf/s, 5.2gw/s) G - 910 SX 35/65 P C CLASS H w/ 2% Ca - 1st STG: 250 SX 3 20 SX CLASS H (15.0 2nd STG: 620 SX 35). OZ CLASS H w/ 6% 6 cl2 (15.6ppg, 1.19c 85/65 POZ CLASS H v 6ppg, 1.18cf/s, 5.2	GEL, 5% SALT & of/s, 5.2gw/s). w/ 6% GEL, 5% ogw/s). / 6% GEL, 5% S/	1/4# FLOCELE (12.) SALT & 1/4# FLOCE	LE (12.8ppg, 1.87cf/ E (12.8ppg, 1.87cf/s,
RGO OPERATES A W ELL No. 62 - P&A		R QUARTER SECTION	AND HAS BEEN	FURNISHED A COPY O	F THIS APPLICATION.
					DEC 1991 (2)
EN ABOVE SPACE DESC SONE. GIVE BLOWOUT PREVE	KIBE PROPOSED PROGR INTER PROGRAM, IF ANY.	AM: IF PROPOSAL IS TO DEEPE	N OR PLUG BACK, GIVE DA		Texaco
	- 1	to the best of my knowledge and		/ 6)	Hobbs Area
SKINATURE C.P	· Bashem/cws	1	DRILLING OPE	RATIONS MANAGER	19-01-31 2079:25 76-27
TYPE OR PRINT NAME C. P	BASHAM				TELEPHONE NO. (915) 688-
(This space for State Use)					
A POPO CHIED BY		· ~ *****	LE		DATE
APPROVED BY					
TAYORPEA TO SHORTIGHOO	ANY:				

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

rKathi Bearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do soleranly 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

· · · · · · · · · · · · · · · · · · ·
One weeks.
Reginning with the
Beginning with the issue dated
Dec. 22 , 19 91
and ending with the issue dated
and with the made dated
Dec. 22 , 19 91
1/
Pathi Mindu
General Manager
Swom and distributed in
Sworn and subscribed to before
20
me this 23 day of
A
December 1991
MA 11
Marina Calillo
Notary Public.
-
My Commission expires
· · · · · · · · · · · · · · · · · · ·
July 22 95

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.

(Seal)

LEGAL NOTICE December 22, 1991

Notice is hereby given of the application of Texaco Producing Inc., Attention: James A. Head, 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 of the following injection wells for the purpose of pressure maintenance.

Lease/Unit Name: West Dollarhide Drinkard Unit

Well Number(s) and Location(s):

8— Unit Letter M. 669 EWL & 660 FSL. Section 32, T24S, R38E 3— Unit Letter G. 1656 FNL & 1980 FEL. Section 5, T25S, R38E 8— Unit Letter A. 667 FNL & 500 FEL. Section 5, T25S, R38E 9— Unit Letter O. 660 FSL & 1830 FEL, Section 32, T24S, R38E The injection formation is Dollarhide Tubb Drinkard at a depth of 6500 feet below the 68— Unit Letter M. 83— Unit Letter G. 88— Unit Letter A. Section 32, T24S, R38E Section 5, T25S, R38E Section 5, T25S, R38E surface of the ground. Expected maximum injection rate is 1000 barrels per day, and expected maximum injection pressure is 1700 pounds per square inch. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box

2088, Santa Fe, New Mexico, 87501, within tiffeen (15) days of this publication.

P 334 579 824

RECEIPT FOR CERTIFIED MAIL

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

	(888 11878788)	
34-55	Sento Chevron USA Inc.	
¢ U.S.G.P.O. 1989-234-555	Street and No. P.O. Box 1150	
3.G.P.O.	P.O., State and ZIP Code Midland, Texas	9702
ů,	Postage	s
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt showing to whom and Date Delivered	
1985	Return Receipt showing to whom. Date, and Address of Delivery	
June	TOTAL Postage and Fees	S
S Form 3800, June 1985	Postmark or Date	

P 334 579 831

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

	(See neverse)	
≈ U.S.G.P.O. 1989-234-555	Sent to Sirgo Operating Construction Street and No. P.O. Box 3531	0.
S.G.P.O	P.O. State and ZIP Code	79702
ά	Postage	S
	Certified Fee	
-	Special Delivery Fee	
	Restricted Delivery Fee	. 1 . 4
ıc.	Return Receipt showing to whom and Date Delivered	·
e 198	Return Receipt showing to whom, Date, and Address of Delivery	
Jun,	TOTAL Postage and Pees	S
PS Form 3800, June 1985	Postmark or Date	

P 334 579 830

RECEIPT FOR CERTIFIED MAIL

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

234-55	Serito Elena & William Gr	obe
# U.S.G.P.O. 1989-234-555	Street and No. P.O. Box Drawer	G
S.G.P.O	P.O., State and ZIP Code Jal, New Mexico	88252
.υ.	Postage	S
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt showing to whom and Date Delivered	
e 198	Return Receipt showing to whom, Date, and Address of Delivery	
Jun,	TOTAL Rosrage and Fees	S
PS Form 3800, June 1985	Posmark of Date 1	

P 334 579 823

RECEIPT FOR CERTIFIED MAIL.

NO INSURANCE COVERAGE PROVIDED

NOT FOR INTERNATIONAL MAIL (See Reverse)

	<u></u>	
34-55	Sent to Joyce & George W	Villis
1989-2	Street and No. P.O. Box 307	
. U.S.G.P.O. 1989-234-555	P.O., State and ZIP Code Jal, New Mexico	88252
e U.S	Postage	S
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
10	Return Receipt showing to whom and Date Delivered	
198	Return Receipt showing to whom, Date, and Address of Delivery	
June,	TOTAL Postage and Fees	S
S Form 3800, June 1985	Postmark or Date	

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL BESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

en 10 38

BRUCE KING GOVERNOR POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	
•	# 68 - M 32 - 24 - 38 #83 - A 5 - 25 - 38 # 88 - A 5 - 25 - 38 # 89 - B 32 - 24 - 38 :: L. L. Markard Writer & Warker & White Sold - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
and my recommendations are as follows:	
Jerry Sexton Supervisor, District 1	



STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT 10 03 OIL CONSERVATION DIVISION '91 TIRY 25 HOBBS DISTRICT OFFICE

BRUCE KING GOVERNOR

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088	
SANTA FE, NEW MEXICO 87501	
RE: Proposed:	
MC	
DHC	
NSL	4 1. 1 3c-24-38
SWD	31-20-38
WFX PMX	5 A 1 31-24-38 4
	*
Gentlemen:	
I have examined the application	for the:
, , , , , , , , , , , , , , , , , , , ,	
· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	
Operator Lea	se & Well No. Unit S-T-R
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