



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

5-17-91

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

WFX-608

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	_____
WFX	<input checked="" type="checkbox"/> _____
PMX	_____

#28-I 30-24-38  
 #46-A 31-24-38  
 #60-I 32-24-38  
 #62-K 32-24-38

Gentlemen:

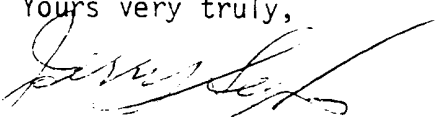
I have examined the application for the:

Texaco Producing Inc Dollarhide Tubh Drinker Unit  
 Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

  
 Jerry Sexton  
 Supervisor, District 1

/ed



May 17, 1991

New Mexico Oil Conservation Commission  
P. O. Box 1980  
Hobbs, New Mexico 88240

Attention: Jerry Sexton

Re: Application for Expansion of Waterflood; Order R-2472  
Texaco Producing Inc., West Dollarhide Drinkard Unit  
Dollarhide Tubb-Drinkard Pool  
T-24/25-S, R-38-E, Lea County, New Mexico

Gentlemen:

Texaco Producing 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 Inc. respectfully requests that the West Dollarhide Drinkard Unit Waterflood Project covered by R-3768 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.

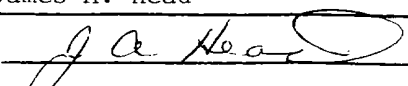
Yours very truly,

James A. Head  
Hobbs Area Manager

JAH:rtm

attachments

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose:  Secondary Recovery  Pressure Maintenance  Disposal  Storage  
Application qualifies for administrative approval?  yes  no
- II. Operator: Texaco Producing Inc.  
Address: P. O. Box 730, Hobbs, New Mexico 88240  
Contact party: James A. Head, Area Manager Phone: (505) 397-0411
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project?  yes  no  
If yes, give the Division order number authorizing the project R-3768.
- 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. attached
- \* 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:
1. 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.). attached
- \*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. attached
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification attached
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: James A. Head Title Area Manager  
Signature:  Date: 5/10/91
- \* 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

## 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.

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**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

#28 - Unit Letter I, 1650 FSL & 660 FEL, Section 30, T24S, R38E  
#46 - Unit Letter A, 990 FNL & 330 FEL, Section 31, T24S, R38E  
#60 - Unit Letter I, 2130 FSL & 510 FEL, Section 32, T24S, R38E  
#62 - Unit Letter K, 1980 FSL & 1980 FWL, Section 32, T24S, R38E

III. All pertinent well data is included on the well schematic sheets. Most of the WDDU wells were squeeze cemented in 1981 due to NMOCD orders covering the expansion of the Dollarhide Queen Unit. All of the old perms will be tested and resqueezed if necessary.

V. A New Mexico map 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. Since the date of the original hearing, a number of new wells have been drilled on the unit. Sirgo Operating Inc. has drilled several shallow Queen producers that have a total depth at an average of 3000' above the Drinkard unitized interval. These do not penetrate the existing injection zone.

WDDU wells #88-#91 were recompleted from deeper HNG Operating Fusselman wells. WDDU wells #92-#108 are infill drilled wells and all of the available well logs and completion reports have been sent and received by the NMOCD. Copies of plugging reports for the Drinkard wells within the review area are included. Drinkard wells #107 and #108 are currently being completed.

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

T-24-S, R-38-E

Section 19: WDQSU #s 2 and 3  
Section 29: WDQSU #s 7, 16, 17 and 112  
Section 30: WDQSU #s 4, 5, 10, 11, 15 and 19  
Section 31: WDQSU #s 22, 23, 31, 32 and 34  
Section 32: WDQSU #s 26, 27, 28, 29, 30, 38, 39, 40, 42  
43, 44, 45, 67, 68 and 69  
Section 33: WDQSU # 41

T-25-S, R-38-E

Section 04: WDQSU #s 54 and 55  
Section 05: WDQSU #s 50, 51, 52, 53, 56, 57, 58, 59, 63  
Section 06: WDQSU #s 48, 49, 60 and 63

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:

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

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 1800 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 5000 gallons 15% NEFE with a tubing pressure not to exceed 4500 psi. Rock salt blocks 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. 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.

**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 Dollarhide 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	LOCATION	
				Sec.	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 "A"	3	F	19	24S 38E
Texaco Inc.	United Royalty "A"	5	N	19	24S 38E
Sinclair Oil & Gas Co.	McClure Fed.	21	B	19	24S 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	Ramsey "D"	2	N	28	24S 38E
Skelly Oil Company	Mexico "K"	1	P	29	24S 38E
Skelly Oil Company	Mexico "K"	4	N	29	24S 38E
Skelly Oil Company	Mexico "K"	6	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	D	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	B	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	B	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.)

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

Skelly Oil Company	Mexico "J"	9	J	32	24S 38E
Skelly Oil Company	Mexico "J"	16	P	32	24S 38E
Skelly Oil 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	B	32	24S 38E
Pan American	State "Y"	6	D	32	24S 38E
Gulf Oil Corporation	Leonard "T"	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
Gulf Oil Corporation	Leonard "G"	15	N	33	24S 38E
Gulf Oil Corporation	Leonard "G"	12	F	4	25S 38E
Gulf Oil Corporation	Leonard "G"	19	D	4	25S 38E
Skelly Oil Company	Mexico "L"	15	D	5	25S 38E
Skelly Oil Company	Mexico "L"	17	B	5	25S 38E
Skelly Oil Company	Mexico "L"	18	H	5	25S 38E
Skelly Oil Company	Mexico "L"	20	F	5	25S 38E

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.

(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;

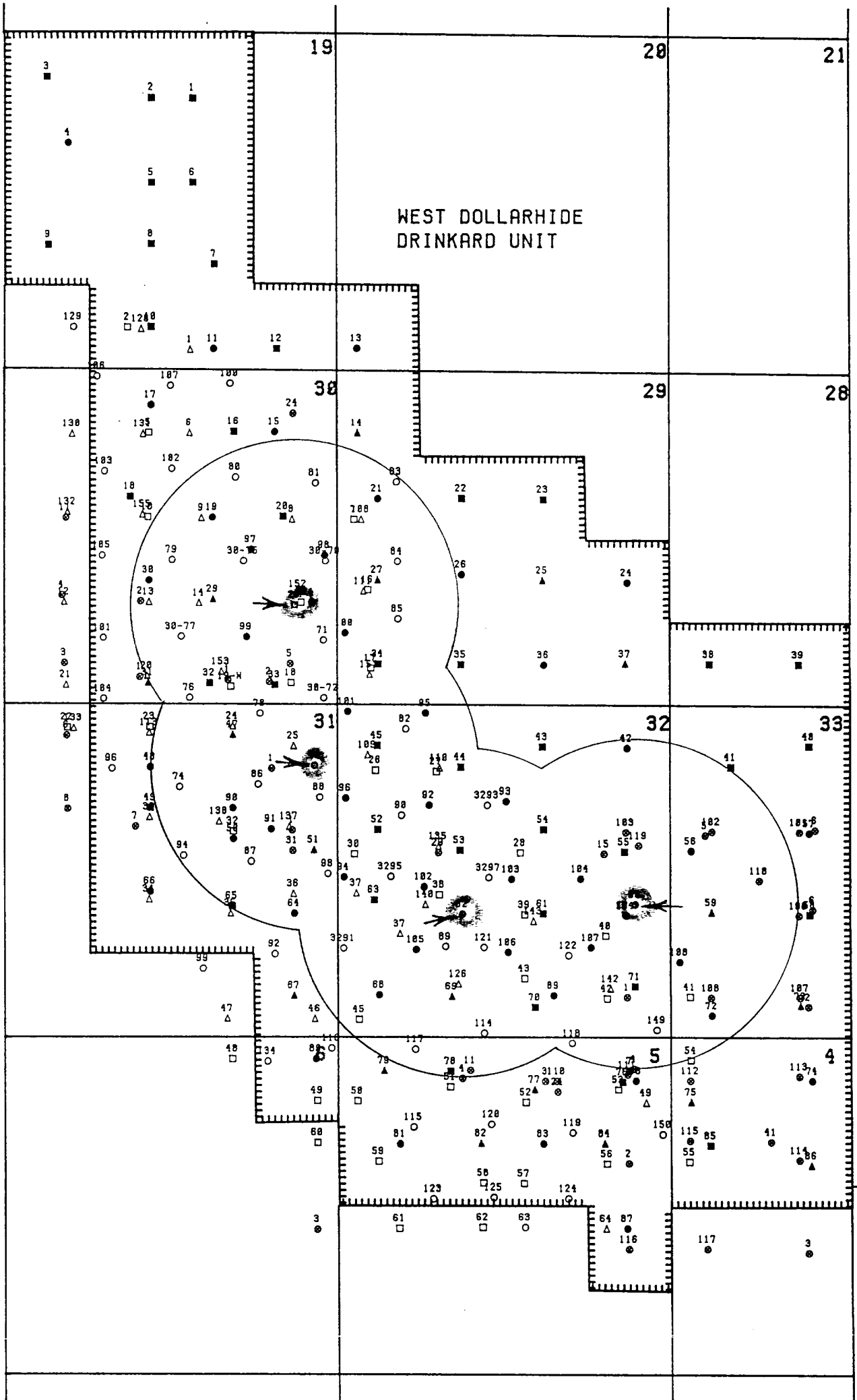
PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Skelly West Dollarhide Drinkard Waterflood Project to include such additional lands and injection wells in the area of said project as may be necessary to complete an efficient water injection pattern; that the 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.

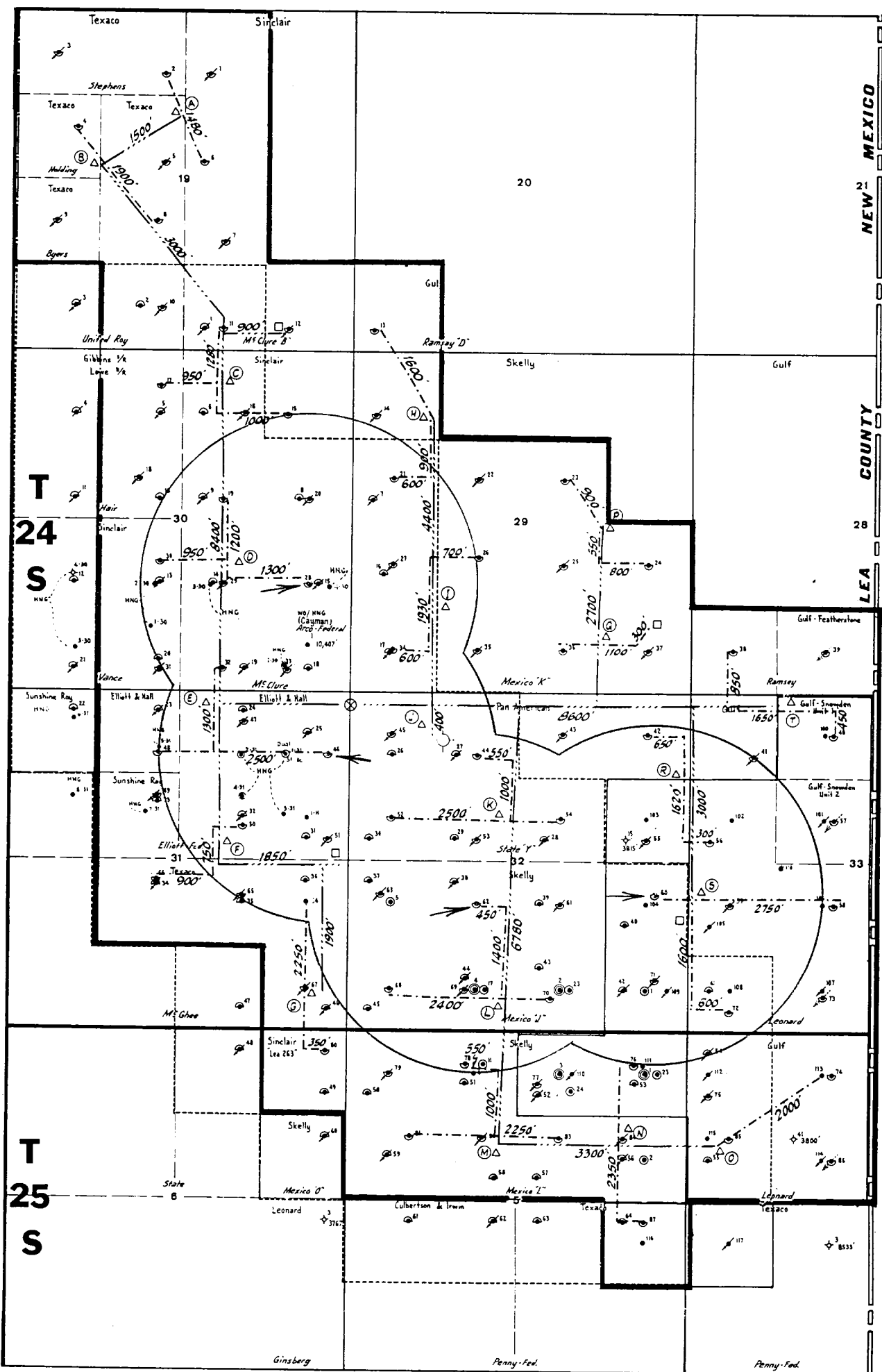




**LEGEND**

- QUEEN PRODUCER
- △ QUEEN INJECTOR
- QUEEN INAC/P&A
- DRINKARD PRODUCER
- ▲ DRINKARD INJECTOR
- DRINKARD INAC/P&A
- ⊙ OTHER (DEEP)

<b>TEXACO INC.</b>		
HO889	NM	U.S.A.
<b>WEST DOLLARHIDE DRINKARD UNIT</b> <b>WEST DOLLARHIDE FIELD</b> <b>BASEMAP</b> <b>LEA COUNTY, NEW MEXICO</b>		
1"=2000'	C. E. SMILER	8-MAY-61



**R 38 E**

**TEXACO INC.**  
Hobbs Area

- LEGEND**
- QUEEN UNIT
  - DRINKARD UNIT
  - DEVONIAN UNIT
  - QUEEN
  - DRINKARD
  - DEVONIAN
  - FUSSELMAN
  - ELLENBURGER
  - WATER INJECTION WELL
  - PROPOSED WATER INJECTION WELL

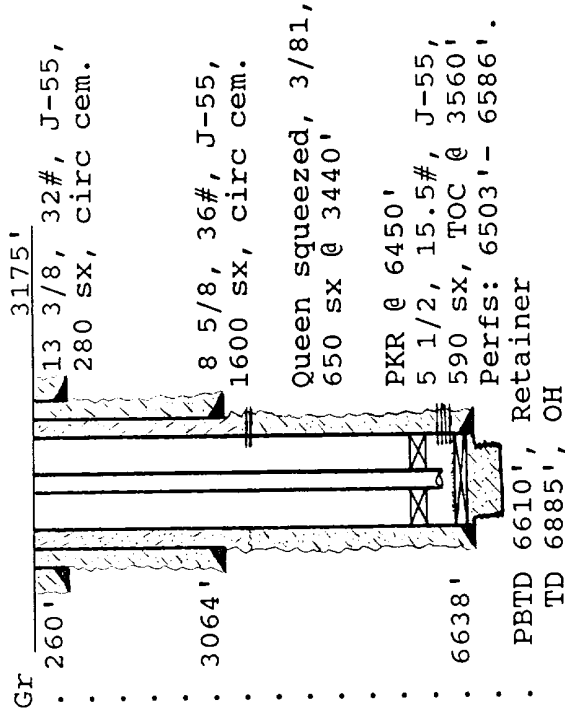
- SATELLITE TEST STATIONS
- △ TRANSFORMER BANKS
- SECONDARY LINES
- PRIMARY LINES
- CENTRAL BATTERY
- ⊗ SINGLE POINT DELIVERY FROM N.M.E.S.C.

**WEST DOLLARHIDE FIELD**  
LEA COUNTY, NEW MEXICO  
SCALE: 1" = 1000'  
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

INJECTION WELL DATA SHEET

OPERATOR: Texaco Producing Inc. LEASE: West Dollarhide Drinkard Unit  
 WELL NO.: 28 FOOTAGE LOCATION: 1650 FSL, 660 FEL Sec./Twn/Rng: I, 30, T24S, R38E  
Proposed conversion of producer to injection, Lea County, New Mexico

SCHEMATIC



TABULAR DATA

Surface Casing:  
 Size 13 3/8, 36# Cemented with 280 sx.  
 TOC surface ' determined by circulated  
 Hole Size 17" Comp. Date 2-08-54

Intermediate casing:  
 Size 8 5/8, 36# Cemented with 1600 sx.  
 TOC surface ' determined by circulated  
 Hole Size 11"

Production Casing:  
 Size 5 1/2, 15.5# Cemented with 590 sx.  
 TOC 3560/surf. ' determined by sqz-circ.  
 Hole Size 7 7/8, Queen squeezed 3/81, 650 sx

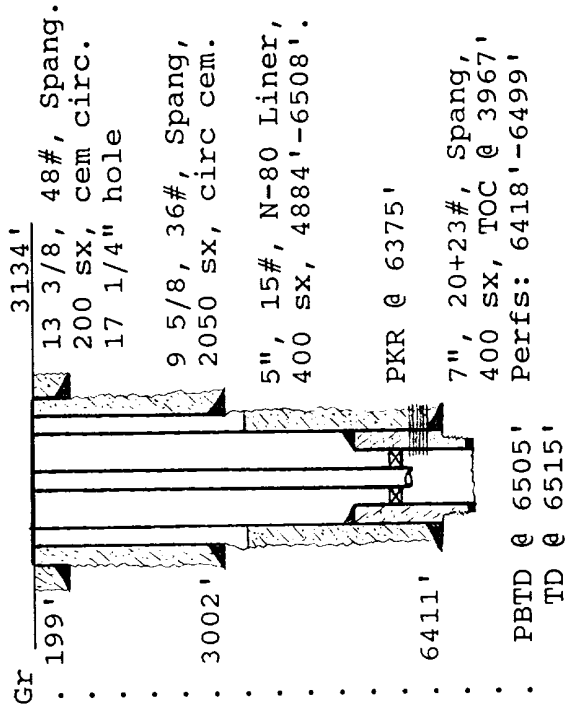
Injection Interval:  
6503 ' to 6586 ' through: Perforations  
 Tubing: 2 3/8", 4.7#, J-55, IPC, 2000# WP

Estimated Tops:  
 Queen 3690'  
 Tubb 6083'  
 Drnk. 6383'  
 Abo 6632'

INJECTION WELL DATA SHEET

OPERATOR: Texaco Producing Inc. LEASE: West Dollarhide Drinkard Unit  
 WELL NO.: 46 FOOTAGE LOCATION: 990 FNL, 330 FEL Sec./Twn/Rng: A, 31, T24S, R38E  
 Proposed conversion of producer to injection, DF = 3148' Lea County, New Mexico

SCHEMATIC



Estimated Tops:  
 Queen 3560'  
 Tubb. 6002'  
 Drnk. 6330'  
 Abo NR

TABULAR DATA

Surface Casing:  
 Size 13 3/8, 48# Cemented with 200 sx.  
 TOC surface ' determined by circulated  
 Hole Size 17 1/4" Comp. Date 11-23-52

Intermediate casing:  
 Size 9 5/8, 36# Cemented with 2050 sx.  
 TOC surface ' determined by circulated  
 Hole Size 12 1/4"

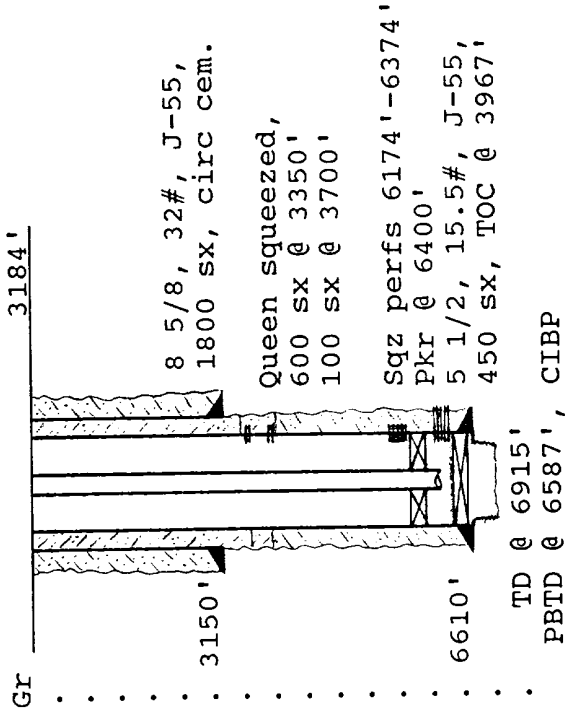
Production Casing:  
 Size 7", 20, 23# Cemented with 400 sx.  
 TOC 3280 ' determined by CBL - 5/88  
 Hole Size 8 3/4'; 5" 15# Liner - 4884'-6508'

Injection Interval:  
6418' to 6499' through: Perforations  
 Tubing: 2 3/8", 4.7#, J-55, IPC, 2000# WP

INJECTION WELL DATA SHEET

OPERATOR: Texaco Producing Inc. LEASE: West Dollarhide Drinkard Unit  
 WELL NO.: 60 FOOTAGE LOCATION: 2130 FSL, 510 FWL Sec./Twn/Rng: I, 32, T24S, R38E  
Proposed conversion of producer to injection, KB = 3194' Lea County, New Mexico

SCHEMATIC



Estimated Tops:  
 Queen 6656'  
 Tubb 6074'  
 Drnk. 6350'  
 Abo 6601'

\*NOTE\* 1000' of 4" liner may be run to cover old T/D perms.

TABULAR DATA

Surface Casing:

Size 8 5/8, 32# Cemented with 1800 sx.  
 TOC surface ' determined by circulated  
 Hole Size 11" Comp. Date 12-09-53

Intermediate casing:

Size \_\_\_\_\_ Cemented with \_\_\_\_\_ sx.  
 TOC \_\_\_\_\_ ' determined by \_\_\_\_\_  
 Hole Size \* 4 3/4" open hole- 6610' - 6915'

Production Casing:

Size 5 1/2, 15.5# Cemented with 450 sx.  
 TOC 3967'/surf. ' determined by Temp. Surv.

Hole Size 7 7/8, Queen squeezed 100, 600 sx.

Injection Interval:

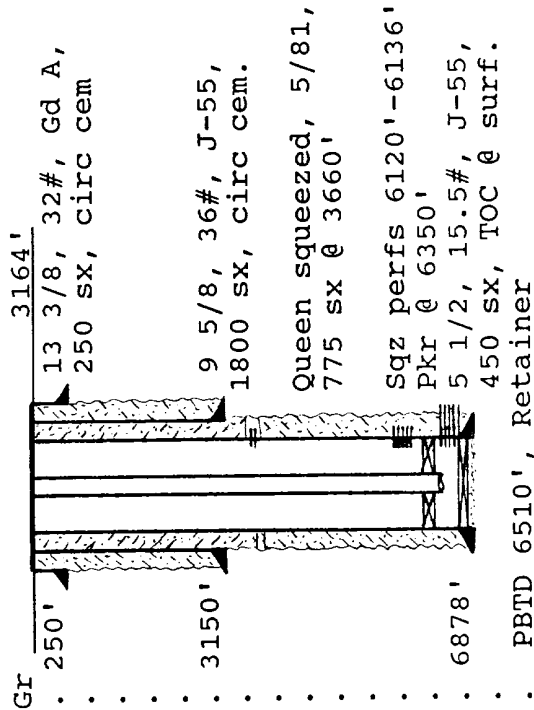
6449' to 6586' through: Perforations

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

INJECTION WELL DATA SHEET

OPERATOR: Texaco Producing Inc. LEASE: West Dollarhide Drinkard Unit  
 WELL NO.: 62 FOOTAGE LOCATION: 1980 FSL, 1980 FWL Sec./Twn/Rng: K, 32, T24S, R38E  
Proposed conversion of producer to injection, KB = 3178' Lea County, New Mexico

SCHEMATIC



Surface Casing:

Size 13 3/8, 36# Cemented with 250 sx.

TOC surface ' determined by circulated

Hole Size 18" Comp. Date 9-19-53

Intermediate casing:

Size 9 5/8, 36# Cemented with 1800 sx.

TOC surface ' determined by circulated

Hole Size 12 1/4"

Production Casing:

Size 5 1/2, 15.5# Cemented with 450 sx.

TOC 3660/surf. ' determined by circulated

Hole Size 7 7/8, Queen squeezed 5/81, 775 sx

Injection Interval:

6400 ' to 6490 ' through: Perforations

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

Estimated Tops:

- Queen 3607'
- Tubb 6024'
- Drnk. 6300'
- Abo 6540'

\*NOTE\* 1000' of 4" liner may be run to cover old T/D perfs.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLE  
(Other instructions  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

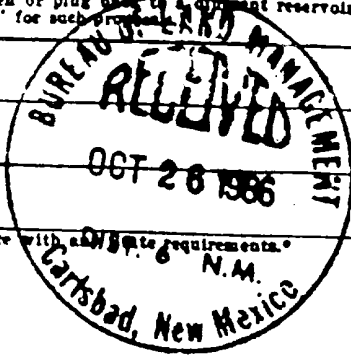
(Do not use this form for proposals to drill or to deepen or plug back a well or to convert a well to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER  Injection

2. NAME OF OPERATOR  
Texaco Producing Inc.

3. ADDRESS OF OPERATOR  
P. O. Box 728, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with BLM site requirements. See also space 17 below.)  
At surface  
Unit letter P, 330' from the South  
990' from the East  
Carlsbad, New Mexico



5. LEASE DESIGNATION AND SERIAL NO.  
NM-10185

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
West Dollarhide Drinkard Unit

8. FARM OR LEASE NAME

9. WELL NO.  
33

10. FIELD AND POOL, OR WILDCAT  
Dollarhide Tubb Drinkard

11. SEC., T., R., M., OR S.W. AND SURVEY OR AREA  
30-24S-38E

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

14. PERMIT NO.  
30-025-12251

15. ELEVATIONS (Show whether DF, ST, OR, etc.)  
3163 DF

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 1) Move in, rig up, install BOP.
- 2) Pull 2 3/8" IPC tbg.
- 3) TIH w/workstring and circ. out 45' of sand on top of RBP.
- 4) Pull up and spot 100' cmt (class "H" + 2% CaCl) plug from 6125' to 6225' on top of RBP, TOH.
- 5) TIH and set cmt retainer at 3500'. Squeeze 100 sacks cmt (Class "H" + 2% CaCl) below retainer. Pull up and spot 35' cmt on top of retainer. TOH.
- 6) GIH and cut 5 1/2" csg @ 3200'. Pull 5 1/2" csg.
- 7) TIH and spot 200' cmt (Class "H" + 2% CaCl) across 8 5/8" csg shoe (3100' to 3300') TOH.
- 8) GIH and perforate 8 5/8" csg @ 1320' with 4 holes (.39).
- 9) TIH and set cmt retainer at 1270'. Try to circ. cmt (Class "H" + 2% CaCl) 8 5/8" - 13 3/8" annulus; 770 sx calc. w/20% excess.
- 10) Pull up and spot 35' cmt on top of retainer.
- 11) Spot 50' cmt (Class "H" + 2% CaCl) plug (0'-50').
- 12) Install dry hole marker and clean location.

11-21-86

WAS	
WBC	11/21
RFG	11/21
JAS	
LL	
LJS	2
REL	
SWD	
SWS	10/21/86
SWB	
STC	11-19-86

DBW 11-24  
GDU RB  
LDR

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Admin. Supervisor DATE

(This space for Federal or State office use)

APPROVED [Signature] TITLE AREA MANAGER CARLSBAD RESOURCE AREA DATE

CONDITIONS OF APPROVAL IF ANY:

\*See Instructions on Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
B-9519

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name West Dollarhide <i>Drinkard</i> Sand Unit
2. Name of Operator Texaco Producing Inc (Sirgo-Collier, Inc.)	8. Farm or Lease Name
3. Address of Operator P.O. Box 1060, Eunice, NM (P.O. Box 3531, Midland, TX 79702)	9. Well No. 34
4. Location of Well UNIT LETTER M 660 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 24S RANGE 38E NMPM.	10. Field and Pool, or Wildcat Dollarhide Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3182' KB 3170' GL	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>

17. 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.

- 8-15-88 MIRU PU. Tag up @ 2031', Mill on fish, made 1' to 2032'.
- 8-16-88 Milling @ 2035', Made 3'.
- 8-17-88 Milling @ 2044', Made 9'.
- 8-18-33 Ran impression block, shows 5½ stub looking up. PU broke down.
- 8-19,20, 21,22-88 SI, waiting on replacement pulling unit.
- 8-23-88 MIRU PU. Tag up @ 2039'. Mill on fish, no footage made.
- 8-24-88 Ran impression block, show collapsed 5½" csg.
- 8-25-88 Ran overshot. Recovered 2 pieces 5½" csg. Reran grapple, no recovery.
- 8-26-88 Ran washpipe, tag @ 2033', Made 6' to 2039'. POH.
- 8-27-88 Reran washpipe, made 1'.
- 8-28-88 SI.
- 8-29-88 POH, ran impression block, show 5½" csg.
- 8-30-88 Ran washshoe over fish. Mill to 2040'.
- 8-31-88 Ran blade bit on tbg, tag @ 2038', drill to 2076' inside 5½" csg.
- 9-1-88 Drill to 3860'. Scale & iron sulfide inside 5½". Getting stuck.
- 9-2-88 Drill to 3245'. Cannot move up or down. Received permission to plug. Pump 150 sx. Lite, 8# salt, ½# flocele, tail 100 sx. Neat. Circ. 100 sx. to pit.
- 9-3,4,5-88 SI for cement.
- 9-6-88 Set dry hole marker, clean location.

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

SIGNED *[Signature]* TITLE Vice-President Sirgo-Collier, Inc. DATE 9-19-88

APPROVED BY *[Signature]* TITLE OIL & GAS INSPECTOR DATE OCT 21 1988

CONDITIONS OF APPROVAL, IF ANY:



OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.  
**B-1732**

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEPLEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1.  OIL WELL  GAS WELL  OTHER- **INJECTION WELL**  
2. Name of Operator  
**TEXACO PRODUCING INC**  
3. Address of Operator  
**P.O. BOX 728, HOBBS, NEW MEXICO 88240**  
4. Location of Well  
UNIT LETTER **D** **990** FEET FROM THE **NORTH** LINE AND **990** FEET FROM  
THE **WEST** LINE, SECTION **33** TOWNSHIP **24-S** RANGE **38-E** N.M.P.M.  
15. Elevation (Show whether DF, RT, GR, etc.)  
**3207 D.F.**

7. Unit Agreement Name  
**WEST DOLLARHIDE DRINKARD UNIT**  
8. Form or Lease Name  
**41**  
9. Well No.  
**41**  
10. Field and Pool, or Wellcut  
**DOLLARHIDE TUBB DRINKARD**  
12. County  
**LEA**

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER _____ <input type="checkbox"/>		OTHER _____ <input type="checkbox"/>	

17. 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.

- ON OCTOBER 27, 1988. MIRU. INSTALLED BOP. GIH w/WORKSTRING. TAGGED CIBP @ 4300
- CIRCULATED HOLE w/9.5 LB GELLED BRINE. SPOTTED 50SX CLASS CEMENT WITH 2% CaCl<sub>2</sub> OI TOP OF CIBP, FROM 4300' TO 4000'.
- POH AND SPOTTED 50SX CLASS CEMENT FROM 3570' TO 3272'. TOH.
- RIG UP WIRELINE COMPANY. CUT-OFF 7" CSG AT 2043'. PULLED 50 JTS OF 7" CSG. RIG-DOWN WIREL
- TIHw/WORKSTRING. SPOTTED 40SX CLASS CEMENT FROM 2950' - 2700'.
- POH AND SPOTTED 50SX CLASS CEMENT FROM 2100' TO 1900'.
- POH AND SPOTTED 35SX CLASS CEMENT FROM 1230' TO 1130'.
- POH AND SPOTTED 35SX CLASS CEMENT FROM 377' TO 277'.
- POH AND SPOTTED 30 FT SURFACE PLUG.
- RIG DOWN. INSTALLED DRY HOLE MARKER.

EFFECTIVE NOVEMBER 1, 1988 WEST DOLLARHIDE DRINKARD UNIT WELL NO. 41  
WELL STATUS CHANGED FROM T.A. TO P&A.

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

SIGNED *K. E. Johnson* TITLE AREA SUPERINTENDENT DATE NOV 10 1988  
APPROVED BY *Lyle F. Turnacliff* TITLE OIL & GAS INSPECTOR DATE DEC 27 1988  
CONDITIONS OF APPROVAL, IF ANY:



## DAILY DRILLING REPORT

Page 6

Hobbs District-Midland Division

As of 7 A.M. NOVEMBER 16, 1988

## PLUG AND ABANDONMENT

NEW MEXICO

LEA

WEST DOLLARHIDE DRINKARD UNIT WELL NO. 41 (WI 40.26513%)  
990' FNL, & 990' FWL, SECTION 33, T-24-S, R-38-E  
TD: 8170'  
CSG: 7" SET @ 6959' ~  
P&A COMPLETED: 11-1-88  
DAYS: 4, CASH: \$20,650

MIRU 10-27-88. INSTL BOP. GIH W/WS. TAG CIBP @ 4300'. CIRC HLE  
W/9.5# GELLED BRINE. SPOT 50 SX CL 'C' CMT W/2% CACL ON TOP OF  
CIBP FR 4300'-4000'. SPOT 50 SX CL 'C' CMT FR 3570-3272'. CUT OFF  
7" CSG @ 2043'. PULL 50 JTS 7" CSG. TIH W/WS. SPOT 40 SX CL 'C'  
CMT FR 2950-2700'. SPOT 50 SX CL 'C' CMT FR 2100-1900'. SPOT 35  
SX CL 'C' CMT FR 1230-1130'. SPOT 35 SX CL 'C' CMT FR 377-277'.  
SPOT 30 FT SURF PLUG. RD. INSTL DRY HLE MARKER. CHANGE STATUS FR  
TA TO P&A EFFECTIVE 11-1-88. FINAL REPORT

DAILY DRILLING REPORT  
-----

Page 16

Hobbs District-Midland Division  
-----As of 7 A.M. MAY 25, 1988  
-----PLUG AND ABANDONMENT  
-----NEW MEXICO  
-----LEA  
-----

WEST DOLLARHIDE DRINKARD UNIT WELL NO. 44 (WI 40.2649%)  
990' FNL, 1980' FWL, SECTION 32, T-24-S, R-38-E  
TD: 6922'  
CSG: 5 1/2" SET @ 6627'  
P&A COMPLETED: 5-18-88  
DAYS: 8, CASH: \$40,000

MIRU COBRA 5-9-88. TIH W/BIT & DC'S ON WS. C/O FR 3715-3830'.  
RECDV METAL. TIH W/3 7/8" BIT, TBG, & DC'S. DRLD FR 3830-3842'.  
TIH W/4 3/4" MILL, & 6-3 1/2" DC'S ON WS. REA OUT FR 3820-30'.  
C/O FR 3830-4375'. MILL FR 4375-4376'. BROKE CIRC. MILL FR 4376-  
80'. TIH W/4 3/4" MILL & DC'S ON TBG. MILL FR 4376-80'. TIH W/CMT  
RET ON TBG. WRK TITE @ 3820'. TAG @ 4360'. SET CMT RET @ 4334'.  
SPOT 25 SX CL 'C' FR 4334-4100'. TIH W/WS. TAG CMT @ 4300'. SPOT  
100' CMT PLUG- 10 SX FR 4300-4200'. TIH W/PKR ON WS @ 3802'. TEST  
CSG @ RATE OF 2 BPM @ 700#. TIH W/RBP & PKR ON WS. RBP @ 3802'.  
TIH W/RETR HEAD ON WS. UNABLE TO GET TO 3102'. TAG SOLID @ 3800'.  
TIH W/WS TO 3800'. SPOT 1850' CMT PLUG FR 1800-1950, & 187 SX CL  
'C' NEAT. TIH W/CMT RET ON WS @ 1890'. SQZ 50 SX CL 'C' NEAT. MAX  
P-450#. PERF CSG @ 325'. CIRC OUT BRADENHEAD. PMP 238 SX CL 'C'  
NEAT DN CSG. CIRC 30 SX. CUT OFF WH. INSTL DRY HLE MARKER. CHANGE  
STATUS FR SI TO P&A EFFECTIVE 5-18-88. **FINAL REPORT**  
-----

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Texaco Producing Inc.

3. Address and Telephone No.  
 P.O. Box 730, Hobbs, NM 88240 (505) 393-7191

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 Unit Letter F, 1650' FNL & 2310' FWL  
 Sec. 31 T-24S R-38E

5. Lease Designation and Serial No.  
 LC-069052

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
 West Dollarhide Drinkard Unit

8. Well Name and No.  
 49

9. API Well No.  
 3002524148

10. Field and Pool, or Exploratory Area  
 Dollarhide Tubb Drinkard

11. County or Parish, State  
 Lea

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

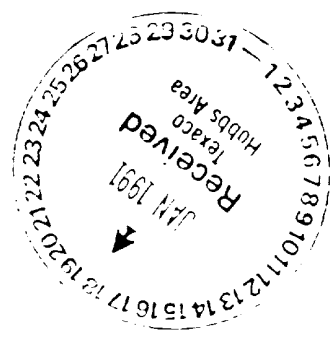
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see attached

Approved as to plugging of the well bore.  
 Liability under bond is retained until  
 surface restoration is completed.



RECEIVED  
 JAN 11 11 21 AM '91

14. I hereby certify that the foregoing is true and correct

Signed Jack Johnson Title Engr. Asst. Date 1-10-91

(This space for Federal or State office use)

Approved by Shannon Shaw Title \_\_\_\_\_ Date 1/16/91

Conditions of approval, if any: \_\_\_\_\_

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and unlawfully to make to any department or agency of the United States any false statements or representations as to any matter within its jurisdiction.

BLISS PETROLEUM CORPORATION

(505) 393-7320 \* P.O. BOX 1817 \* Hobbs, N.M. 88241

Daily Workover Report

Company: Texaco USA

Well Name: W. Dollarhide Drinkard  
Unit No. 49

Date Description

Supervisor: L. White

- 09-24-90 Contacted Mr. R.A. Sadler w/ NMOGC and advised that we were moving on the above well to P & A. MIRU Tyler WS Unit No. 102. Moved Bliss P&A Equip. to location. SD
- 09-25-90 Opened tbg., had fair wtr. flow out tbg. & small flow out csg. annulus. PU on tbg. & removed slips. Rel. inj. pkr.. Installed BOP. Held 20 min. safety meeting to go over plugging procedure. POOH & laid dwn. 216 jts. 2-3/8" IPC tbg. & 1-4" Baker LOK-SET pkr. Had hole in 82 nd jt. from surface. RU WL truck. RIH w/ 4" Alpha CIBP on WL & set @ 6380'KB. Water flow stopped when BP was set. Work string was being unloaded @ rig. CI BOP. SD
- 09-26-90 Ran 2-3/8" SN & picked up 204 jts. 2-3/8" work string. Tagged CIBP @ 6380'. Hooked up pump & broke circ.. CI BOP & tested csg to 400 psig held OK. Spotted 15 BMLF on bot.. Mixed 5 sx. cmt. & displ. dwn. tbg w/ 23.9 BMLF. Calc. TOC on CIBP @ 6188'. Laid dwn. 63 jts. tbg.. Mixed 20 sx. cmt. & displ. dwn. tbg w/ 15.5 BMLF. Plug from 4377'-4009'. Laid dwn. 65 jts. tbg.. Mixed 20 sx. cmt. & displ. dwn. tbg. w/ 8.1 BMLF. Plug from 2345'-2081'. Laid dwn. 66 jts. tbg. Mixed 25 sx. cmt. & circ. from 312' - surface. Laid dwn. 10 jts. tbg.. Filled 4-1/2" w/ cmt.. Washed up BOP. NO BOP. SDFN
- 09-27-90 RDMO WS Unit & P&A Equip.. Installed dry hole marker. Cut off anchors. End report.

JAN 14 11 20 AM '91

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  For

5. State Oil & Gas Lease No.  
**B-9613**

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER

2. Name of Operator  
**TEXACO PRODUCING INC**

3. Address of Operator  
**P.O. Box 728; HOBBS, NEW MEXICO 88240**

4. Location of Well  
UNIT LETTER **E** **1980** FEET FROM THE **NORTH** LINE AND **660** FEET FROM  
THE **WEST** LINE, SECTION **32** TOWNSHIP **24-S** RANGE **38-E** N.M.P.M.

7. Unit Agreement Name  
**WEST DOLLARHIDE DRINKARD UNIT**

8. Farm or Lease Name

9. Well No.  
**52**

10. Field and Pool, or Wildcat  
**DOLLARHIDE TUBB DRINKARD**

15. Elevation (Show whether DF, RT, GR, etc.)  
**3168 D.F.**

12. County  
**LEA**

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
		OTHER _____	

17. 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.

- ON NOVEMBER 1, 1988. MIRU. INSTALLED BOP. GIH W/WORKSTRING.
- TAGGED CEMENT RETAINER AT 5906'. CIRCULATED HOLE W/9.5 LB GELLED BRINE.
- SPOTTED 10SX CLASS C CEMENT + 2% CaCl<sub>2</sub> ON TOP OF CEMENT RETAINER.
- POH AND SPOTTED 35SX CLASS C CEMENT FROM 3189' TO 3089'. TOH.
- TIH W/PKR. TESTED 7" CSG TO 500 PSI, HELD OKAY. PKR SET AT 1478'. TOH.
- PUMPED 100 SX UTE C CEMENT, FOLLOWED WITH 350 SX CLASS C CEMENT. CIRCULATED CEMENT OUT 95 1/8" - 7" ANNUUS. SHUT DOWN OVERNIGHT.
- FOUND TOC INSIDE 7" CSG AT 500'. CHECKED W/NMOCP, PROCEED WITH STEP 8.
- LOADED HOLE W/10 LB GELLED BRINE. SPOTTED 10 SX SURFACE PLUG. INSTALLED DRY HOLE MARKER.

EFFECTIVE NOVEMBER 4, 1988 WEST DOLLARHIDE DRINKARD UNIT WELL NO. 5.  
WELL STATUS CHANGE FROM S.I. TO P & A

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

SIGNED *KE Johnson* TITLE AREA SUPERINTENDENT DATE NOV 10 1988

APPROVED BY *Lyle F. Turnacliff* TITLE OIL & GAS INSPECTOR DATE DEC 27 1988



## DAILY DRILLING REPORT

Page 7

Hobbs District-Midland Division As of 7 A.M. NOVEMBER 16, 1988

## PLUG AND ABANDONMENT CONT.

NEW MEXICO

LEA

WEST DOLLARHIDE DRINKARD UNIT WELL NO. 52 (WI40.26513%)  
1980' FNL, & 660' FWL, SECTION 32, T-24-S, R-38-E  
TD: 8920'  
CSG: 7" SET @ 7003'  
P&A COMPLETED: 11-4-88  
DAYS: 4, CASH: \$16,300

MIRU 11-1-88. INSTL BOP. GIH W/WS. TAG CMT RET @ 5906'. CIRC  
W/9.5# GELLED BRINE. SPOT 10 SX CL 'C' CMT & 2% CACL ON TOP OF  
CMT RET. SPOT 35 SX CL 'C' CMT FR 3189-3089'. TIH W/PKR. TEST 7"  
CSG TO 500#. PSA 1478'. PMPD 100 SX LITE 'C' CMT & 350 SX CL 'C'  
CMT. CIRC CMT OUT 9 5/8"-7" ANNULUS. TOC @ 500'. LOAD HLE W/10#  
GELLED BRINE. SPOT 10 SX SURF PLUG. INSTL DRY HLE MARKER. CHANGE  
STATUS FR SI TO P&A EFFECTIVE 11-4-88. FINAL REPORT

OF EXP. RECEIVED	
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FILE	
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LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P. O. BOX 2085

SANTA FE, NEW MEXICO 87501

Form O-103  
Revised 11-1-73

0+5-NMOCD-Hobbs 1-JA 1-WIO ARCC 1-WIO Gulf  
 1-File 1-BB 1-WIO Amoco  
 1-Engr Jim 1-BW, 1-CB, 1-CP  
 1-Foreman CK 1-Laura Richardson-Midland

10. Lease No. Type of Lease  
 State  Fee   
 11. State Oil & Gas Lease No.  
 B-9613

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT TO DRILL" FORM C-1011 FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER - Water Injection Well	7. Unit Agreement Name West Dollarhide Drinkard
2. Name of Operator Getty Oil Company	8. Farm or Lease Name Unit
3. Address of Operator P.O. Box 730, Hobbs, NM 88240	9. Well No. 53
4. Location of Well UNIT LETTER F 2310 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 32 TOWNSHIP 24S RANGE 38E NMPM.	10. Field and Pool, or Wildcat Dollarhide Tubb-Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3181' DF	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

17. 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.

4/2/83 Plug and abandon. Moved in and rigged up unit. N.D. tree and N.U. BOP.  
 4/4/83 Welex ran cmt bond log 3923 to surf. Pick up 2 3/8" workstring. Ran to 4003'. Set down. Pull tbg.  
 4/5/83 Ran 5 1/2" Howco retainer set @ 2910'. Howco squeeze w/ 500 sxs class "C" 1 in 1" in retainer. Had communication. Reverse out 500 sxs. Pull tbg and stinger. Ran RTTS pkr. Hole in csg @ 3742'. Test pipe @ 3010 OK, 1000#. Pull pkr.  
 4/6/83 Howco ran 5 1/2" EZ Drill retainer. Set @ 3565'. Howco squeezed w/ 500 sxs "C", 2% CCL. Reverse out 3 1/2 sxs. Pull tbg and stinger. Welex ran temp base log 1300-3563'. Cmt top 3510'. Perf 2 holes @ 3010'. Plug up to 1500', no break. Perf 2 holes @ 325.  
 4/7/83 Ran tbg. Howco spot 40 sacks class "C" neat 2681-3100'. Pull tbg. Pump 233 sxs "C". Circulate out 8 5/8". Left 5 1/2" csg full.  
 4/8/83 Install dry hole marker. Rig down. P&A.

**ILLEGIBLE**

APPROVED AND SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 OIL & GAS DIVISION MAY 7 1983



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NEW MEXICO OIL CONSERVATION COMMISSION

3-NMOCC-Hobbs  
1-CK, Foreman  
1-A.B. Cary-Midland  
1-File  
1-R.J. Starrak-Tulsa  
1-JDM-Engr.

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.  
B-9613

SUNDRY NOTICES AND REPORTS ON WELLS  
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR RE-OPEN OR RE-ENTER WELLS TO A DIFFERENT RESERVOIR.  
USE APPLICATION FOR PERMIT TO DRILL OR RE-OPEN OR RE-ENTER WELLS FOR SUCH PURPOSES.

OIL WELL  GAS WELL  OTHER   
Name of Operator  
GETTY OIL COMPANY  
Address of Operator  
P.O. Box 730, Hobbs, New Mexico 88240  
Location of Well  
UNIT LETTER G 1980 FEET FROM THE North LINE AND 1980 FEET FROM  
THE East LINE, SECTION 32 TOWNSHIP 24-S RANGE 38-E NMPM.  
15. Elevation (Show whether DF, RT, CR, etc.)  
3208' DF

7. Unit Agreement Name  
West Dollarhide  
Drinkard Unit  
8. Field of Lease Name  
West Dollarhide  
Drinkard Unit  
9. Well No.  
54  
10. Field and Pool, or Wellcut  
Dollarhide Tubb-Drinkard  
12. County  
Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEC RULE 1503.

- Rig up pulling unit.
- Install BOP
- GIH with 4 1/4" swage and swage through collapsed casing at 3559'. Mill, if necessary.
- TOH with swage
- GIH with 2" tubing to 6300' and pump 50 sxs. Class "C" cement
- Pull up to 3900' and set through tubing BP and dump 20 sxs cement on top.
- TOH
- GIH with tension packer to 3400', set and circulate red dye to determine cement volume.
- Circulate cement to surface behind 7" casing
- TOH with tubing
- GIH with BP. Set at 3400'.
- Spot 20 sxs on top of plug
- Pull up to 1 jt from surface and spot 30 sxs and set dry hole marker

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

DATE 6/18/80  
AREA SUPERINTENDENT  
DATE JUN 23 1980  
APPROVED BY Jerry Sexton  
TITLE Area Superintendent  
DATE 6/18/80

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

<input checked="" type="checkbox"/>	DC	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	BT	
<input checked="" type="checkbox"/>	WC	210
<input checked="" type="checkbox"/>	EB	
<input checked="" type="checkbox"/>	OH	
<input checked="" type="checkbox"/>	VW	
<input checked="" type="checkbox"/>	EW	
<input checked="" type="checkbox"/>	ET	
<input checked="" type="checkbox"/>	OT	
<input checked="" type="checkbox"/>	TR	

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
**B-9613**

SUNDRY NOTICES AND REPORTS ON WELLS  
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO CLEAN UP OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT TO DRILL" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL  GAS WELL  OTHER - **Water Injection Well**

7. Unit Agreement Name **West**

2. Name of Operator  
**Skelly Oil Company**

8. Farm or Lease Name **West**

3. Address of Operator  
**Skelly Oil Company**

9. Well No. **55**

4. Location of Well  
**P. O. Box 1351, Midland, Texas 79701**

10. Field and Pool, or Wildcat  
**Collarhide Tubb-Drinkard**

UNIT LETTER **H** **2310** FEET FROM THE **North** LINE AND **660**

**Collarhide Tubb-Drinkard**

THE **Last** LINE, SECTION **32** TOWNSHIP **24S** RANGE **38E** N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)  
**3197' DF**

12. County  
**Len**

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER  **Attempted to squeeze off perfs. to eliminate water channeling behind 5-1/2" OD casing**

ALTERING CASING

PLUG AND ABANDONMENT

17. 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.

- Moved in workover rig September 20, 1976. Pulled injection tubing and packer.
- Set E-Z Drill plug at 5840'.
- Cement squeezed bad pipe at 4050' with 750 sacks Class "C" cement mixed 0.4% Halad 22 and 3% salt per sack.
- Squeezed leak interval at 4050' with 400 sacks Chem. Comp. WOC 75 hrs.
- Drilled out cement 3830-4220' and cement stringers 4220-4392'. Well began backflowing water.
- Squeezed leak interval 4050' with 200 sacks Chem. Comp. WOC 18 hrs.
- Drilled out cement 4017-4239'. Well began backflowing.
- Cement squeezed leak interval 4050' with 150 sacks Chem. Comp. cement mixed 3% sand per sack and 100 sacks Chem. Comp. WOC 3 hrs.
- Cement squeezed leak interval with 200 sacks RPC cement. WOC 27 hrs.
- Drilled out cement 3946-4325'. Well started backflowing water.
- Cement squeezed leak interval with 400 sacks thick set cement. WOC 24 hrs.
- Drilled out cement 3956-5444', drilled up metal cuttings 5444-5448', cement 5448-5456' and metal cuttings 5456-5466'. Well began backflowing water.
- Drilled out metal 5466-5472'.
- Milled on bad pipe 5479-5535'.
- Set 500 sacks Class "H" cement plug below cement retainer at 3900'.

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

GWCO (signed) **D. R. Crow** **D. R. Crow** TITLE **Lead Clerk** DATE **11-22-76**

APPROVED BY **John W. Runyan** TITLE **Geologist** DATE **FEB 25 1977**

CONDITIONS OF APPROVAL, IF ANY:

West Dollarhide Drinkard Unit Well No. 55

6. Shot off 5-1/2" OD casing at 3180'. Pulled 102 joints (3171') 5-1/2" OD 14# and 15-1/2# 8 Rd. J-55 casing.
7. Set cement retainer at 3060'. Cemented below retainer with 100 sacks Class "H" cement.
8. Set 50 sack cement plug 1033-1170'.
9. Set 50 sack cement plug 263-400'.
0. Set 25 sack cement plug surface-65'.
1. Installed dry hole marker.

Well plugged and abandoned November 1, 1976. All intervals not cemented were filled with 10# mud. The 13-3/8" OD casing was left surface-318'. The 9-5/8" OD casing was left surface-3150' and the section of 5-1/2" OD casing set 3171-6682' was left in the hole.

AFFIDAVIT OF PUBLICATION

State of New Mexico.  
County of Lea.

I, Kathi Bearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of \_\_\_\_\_

Two weeks.  
Beginning with the issue dated

May 8, 1991  
and ending with the issue dated

May 15, 1991

Kathi Bearden  
General Manager

Sworn and subscribed to before

me this 15 day of

May, 1991  
Rhonda Copeland  
Notary Public.

My Commission expires \_\_\_\_\_

July 24, 1991  
(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.

**LEGAL NOTICE**

May 8, 15, 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):

28 — Unit Letter I, 1650 FSL & 660 FEL, Section 30, T24S, R38E

46 — Unit Letter A, 990 FNL & 330 FEL, Section 31, T24S, R38E

60 — Unit Letter I, 2130 FSL & 510 FEL, Section 32, T24S, R38E

62 — Unit Letter K, 1980 FSL & 1980 FWL, Section 32, T24S, R38E

The injection formation is Dollarhid Tubb Drinkard at a depth of 6500 feet below the surface of the ground. Expected maximum injection rate is 1800 barrels per day, and expected maximum injection pressure is 1300 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 fifteen (15) days of this publication.

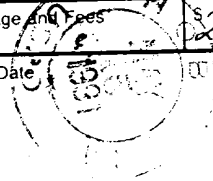
P 334 579 819

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NO INSURANCE COVERAGE PROVIDED  
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(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to <b>Sirgo Operating Inc.</b>	
Street and No. <b>P. O. Box 3531</b>	
P.O., State and ZIP Code <b>Midland, TX 7702</b>	
Postage	\$ <b>.75</b>
Certified Fee	<b>1.00</b>
Special Delivery Fee	
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Return Receipt showing to whom and Date Delivered	<b>1.00</b>
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>2.75</b>
Postmark or Date 	


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PS Form 3800, June 1985

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Street and No. <b>P. O. Box 1150</b>	
P.O., State and ZIP Code <b>Midland, TX 79702</b>	
Postage	\$ <b>.75</b>
Certified Fee	<b>1.00</b>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	<b>1.00</b>
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>2.75</b>
Postmark or Date 	

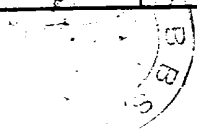
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Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	<b>1.00</b>
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>2.75</b>
Postmark or Date 	

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P.O., State and ZIP Code <b>Jal, NM 88252</b>	
Postage	\$ <b>.75</b>
Certified Fee	<b>1.00</b>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	<b>1.00</b>
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <b>2.75</b>
Postmark or Date 