STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

July 1, 1997

Texaco Exploration & Production, Inc. 205 East Bender Blvd. Hobbs, New Mexico 88240 Attention: Paula Ives

> Administrative Order DD-178(H) High Angle/Horizontal

Dear Ms. Ives:

Reference is made to your application dated June 9, 1997 for authorization to institute high angle/horizontal directionally drilling in the Dollarhide-Tubb Drinkard Pool within its Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area in Lea County, New Mexico.

The Division Director Finds That:

- (1) The application of Texaco Exploration & Production, Inc. ("Texaco") as Unit operator of the West Dollarhide Drinkard Unit (approved by Division Order No. R-3764, issued in Case 4133 and dated May 23, 1969) has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2)Division Order No. R-3768, issued in Case 4134 and dated May 28, 1969, established the Skelly West Dollarhide Drinkard (Unit) Waterflood Project, comprising the following described area in Lea County, New Mexico, by the injection of water into the Dollarhide-**Tubb Drinkard Pool:**

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 NE/4, NW/4, N/2 SW/4, SE/4 SW/4, NW/4 SE/4, and S/2

SE/4

Section 20: SW/4 SW/4

Lot 4 and S/2 SW/4 Section 28:

SE/4 NE/4, W/2 NW/4, SE/4 NW/4, and S/2 Section 29:

Section 30: E/2 and E/2 W/2

Section 31: NE/4, E/2 NW/4, NE/4 SW/4, N/2 SE/4, and SE/4 SE/4

Section 32: All All

Section 33:

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 4:

Lots 1, 2, 3, and 4 and S/2 NW/4

Section 5:

Lots 1, 2, 3, and 4, S/2 N/2, and NE/4 SE/4

Section 6:

Lot 1;

- (3) The Dollarhide-Tubb Drinkard Pool within the Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area is subject to the statewide rules and regulations for oil wells, as promulgated by Rules 104.C(1) and F(1) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10533, issued by the Oil Conservation Commission in Case 11,351 on January 18, 1996, which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of the lease or unitized area (pressure maintenance/waterflood project area), nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- (4) Texaco at this time is seeking to commence high angle/horizontal directional drilling in the Dollarhide-Tubb Drinkard Pool within its Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area, as described above in order to further enhance oil recovery from this existing secondary recovery project;
- (5) The "project area", pursuant to Division General Rule 111.A(7), for said high angle/horizontal drilling should coincide with that area described above as the Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area;
- (6) It is Texaco's intent to recomplete its West Dollarhide Drinkard Unit Well No. 126 (API No. 30-025-31973), located 2450 feet from the South line and 150 feet from the West line (Unit L) of said Section 33 (see Division Administrative Order NSL-3255, as amended) by milling a window in the 5-1/2 inch production casing string at an approximate depth of 6,380 feet, kick-off in an easterly direction, and drill a high-angle hole a lateral distance of approximately 2000 feet through the Drinkard formation;
- (7) The applicable drilling window or "producing area", pursuant to Division General Rule 111.A(8), for said wellbore should include that area within the above-described Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area and coinciding high angle/horizontal directional drilling project area that is no closer than 330 feet to its outer boundary; and,
- (8) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

Administrative Order DD-178(H)
Texaco Exploration & Production, Inc.
July 1, 1997
Page 3

IT IS THEREFORE ORDERED THAT:

(1) Texaco Exploration & Production, Inc. ("Texaco") as Unit operator of the West Dollarhide Drinkard Unit (approved by Division Order No. R-3764, issued in Case 4133 and dated May 23, 1969), is hereby authorized to commence high angle/horizontal directional drilling within the Dollarhide-Tubb Drinkard Pool in Lea County, New Mexico, by recompleting its West Dollarhide Drinkard Unit Well No. 126 (API No. 30-025-31973), located 2450 feet from the South line and 150 feet from the West line (Unit L) of said Section 33 (see Division Administrative Order NSL-3255, as amended) by milling a window in the 5-1/2 inch production casing string at an approximate depth of 6,380 feet, kick-off in an easterly direction, and drill a high-angle hole a lateral distance of approximately 2000 feet through the Drinkard formation.

<u>PROVIDED HOWEVER THAT</u> prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

<u>PROVIDED FURTHER THAT</u> during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

- (2) The applicant shall notify the supervisor of the Hobbs District office of the Division of the date and time said wellbore survey is to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore survey to the Santa Fe and Hobbs offices of the Division upon completion.
- (3) The "project area", pursuant to Division General Rule 111.A(7), for said high angle/horizontal drilling should coincide with the Skelly West Dollarhide Drinkard (Unit) Waterflood Project (approved by Division Order No. R-3768, issued in Case 4134 and dated May 28, 1969) comprising the following described area in Lea County, New Mexico:

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SE/4

Section 20: SW/4 SW/4

Section 28: Lot 4 and S/2 SW/4

Section 29: SE/4 NE/4, W/2 NW/4, SE/4 NW/4, and S/2

Section 30: E/2 and E/2 W/2

Section 31: NE/4, E/2 NW/4, NE/4 SW/4, N/2 SE/4, and SE/4 SE/4

Section 32: All Section 33: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 4: Lots 1, 2, 3, and 4 and S/2 NW/4

Section 5: Lots 1, 2, 3, and 4, S/2 N/2, and NE/4 SE/4

Section 6: Lot 1.

- (4) The applicable drilling window or "producing area", pursuant to Division General Rule 111.A(8), for said wellbore should include that area within the above-described Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area and coinciding high angle/horizontal directional drilling project area that is no closer than 330 feet to its outer boundary.
- (5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F, and Order No. R-3768.
- (6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth (TVD) in addition to measured depths (MVD).
- (7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION DEVISION

WILLIAM J. LEMAY

Director

SEAL

cc: Oil Conservation Division - Hobbs

New Mexico State Land Office - Santa Fe

U. S. Bureau of Land Management - Carlsbad

File: NSL-3255

DD-TEX.H9

Rec: 6-10-97 Susp: 6-30-97 Relinsed: 7-1-57

July 1, 1997

Texaco Exploration & Production, Inc. 205 East Bender Blvd. Hobbs, New Mexico 88240

Attention: Paula Ives

Administrative Order DD-**(H)
High Angle/Horizontal

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The Division Director Finds That:

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Section 5: Lots 1, 2, 3, and 4, S/2 N/2, and NE/4 SE/4

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- (Unit) Waterflood Project Area is subject to the statewide rules and regulations for oil wells, as promulgated by Rules 104.C(1) and F(1) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10533, issued by the Oil Conservation Commission in Case 11,351 on January 18, 1996, which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of the lease or unitized area (pressure maintenance/waterflood project area), nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
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- (8) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) Texaco Exploration & Production, Inc. ("Texaco") as Unit operator of the West Dollarhide Drinkard Unit (approved by Division Order No. R-3764, issued in Case 4133 and dated May 23, 1969), is hereby authorized to commence high angle/horizontal directional drilling within the Dollarhide-Tubb Drinkard Pool in Lea County, New Mexico, by recompleting its West Dollarhide Drinkard Unit Well No. 126 (API No. 30-025-31973), located 2450 feet from the South line and 150 feet from the West line (Unit L) of said Section 33 (see Division Administrative Order NSL-3255, as amended) by milling a window in the 5-1/2 inch production casing string at an approximate depth of 6,380 feet, kick-off in an easterly direction, and drill a high-angle hole a lateral distance of approximately 2000 feet through the Drinkard formation.

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- (3) The "project area", pursuant to Division General Rule 111.A(7), for said high angle/horizontal drilling should coincide with the Skelly West Dollarhide Drinkard (Unit) Waterflood Project (approved by Division Order No. R-3768, issued in Case 4134 and dated May 28, 1969) comprising the following described area in Lea County, New Mexico:

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- (6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth (TVD) in addition to measured depths (MVD).
- (7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY Director

SEAL

cc: Oil Conservation Division - Hobbs

New Mexico State Land Office - Santa Fe

U. S. Bureau of Land Management - Carlsbad

File: NSL-3255



Texaco E & P

June 9, 1997

205 E. Bender Blvd. Hobbs NM 88240 505 393 7191

GOV - STATE AND LOCAL GOVERNMENTS

Directional Drilling - Horizontal West Dollarhide Drinkard Unit #126, (API No. 30-025-31973) Unit Letter L, Section 33, Township 24 South, Range 38 East Drinkard Formation Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Attention: Mr. David Catanach,

Gentlemen:

5

Administrative approval, Rule 111.D, is requested to enter Texaco's West Dollarhide Drinkard Unit #126 (API No. 30-025-31973), and drill a horizontal lateral in the Drinkard Pool.

The West Dollarhide Drinkard Unit #126 (API No. 30-025-31973), is a 1993 completion that has never produced over 30 bopd. It is a candidate to drill a horizontal section in the Drinkard Pool due to its location and nature of the reservoir. The proposed lateral will oscillate to cover ~ 150' of gross Drinkard sand. Analytical modeling indicates an incremental production potential of ~ (105 MBO and 115.5 MMSCF). This horizontal process may present a viable method for future exploitation of the West Dollarhide Drinkard Unit's reserves. Application of horizontal technology in this case is estimated to cost less than drilling a conventional vertical well with the potential of increasing the ultimate recoverable reserves from this otherwise "depleted" reservoir.

Attached for your information is a copy of our directional plans, a type log section, and Form C-102.

This well is in the Unit and does not encroach any boundaries. The "affected" offset operators to this well is Texaco and the Texas State Line. No other operators will have to be notified.

Any questions concerning this request should be directed to me at (505)397-0432.

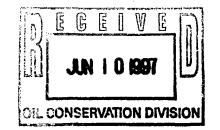
Yours very truly,

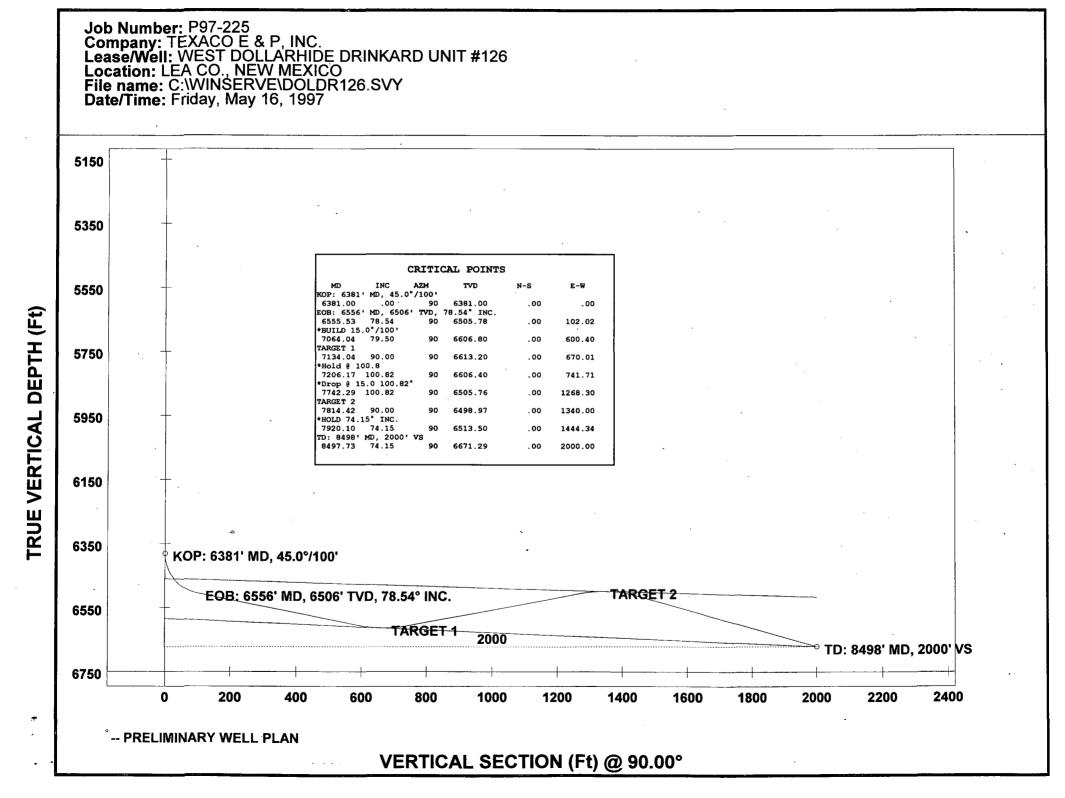
Paula S. Ives

Engineer Assistant

cc: NMOCD, P.O. Box 1980, Hobbs, NM 88240

Attachments







Job Number: P97-225

State/Country:

Company: TEXACO E & P, INC.

Declination:

Lease/Well: WEST DOLLARHIDE DRINK GRO: UNIT #126

Location: LEA CO., NEW MEXICO

File name: C:\WINSERVE\DOLDR126.SVY

Rig Name:

Date/Time: 16-May-97 / 08:15

RKB:

Curve Name: PRELIMINARY WELL PLAN

G.L. or M.S.L.:

PHOENIX DRILLING SERVICES, INC.

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method Vertical Section Plane 90.00

٠	Measured Depth FT	Inci Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S Distance FT	URE Direction Deg	Dogleg Severity Deg/100	
	KOP: 6	381' MC), 45.0°/10)0'			 					
	6381.00	.00	90.00	6381.00	3192.00	.00	.00	.00	.00	.00	.00	
	6391.00	4.50	90.00	6390.99	3201.99	.00	.39	.39	.39	90.00	45.00	
	6401.00	9.00	90.00	6400.92	3211.92	.00	1.57	1.57	1.57	90.00	45.00	
	6411.00	13.50	90.00	6410.72	3221.72	.00	3.52	3.52	3.52	90.00	45.00	
	6421.00	18.00	90.00	6420.35	3231.35	.00	6.23	6.23	6.23	90.00	45.00	
	6431.00	22.50		6429.72	3240.72	.00	9.69	9.69	9.69	90.00	45.00	
	6441.00	27.00		6438.80	3249.80	.00	13.88	13.88	13.88	90.00	45.00	
	6451.00	31.50	90.00	6447.53	3258.53	.00	18.76	18.76	18.76	90.00	45.00	
	6461.00	36.00	90.00	6455.84	3266.84	.00	24.32	24.32	24.32	90.00	45.00	
	6471.00	40.50	90.00	6463.69	3274.69	.00	30.51	30.51	30.51	90.00	45.00	
	6481.00	45.00	90.00	6471.03	3282.03	.00	37.29	37.29	37.29	90.00	45.00	
	6491.00	49.50	90.00	6477.82	3288.82	.00	44.63	44.63	44.63	90.00	45.00	
	6501.00	54.00	90.00	6484.01	3295.01	.00	52.49	52.49	52.49	90.00	45.00	
	6511.00	58.50	90.00	6489.56	3300.56	.00	60.80	60.80	60.80	90.00	45.00	
	6521.00	63.00	90.00	6494.45	3305.45	.00	69.52	69.52	69.52	90.00	45.00	
	6531.00	67.50	90.00	6498.63	3309.63	.00	78.60	78.60	78.60	90:00	45.00	
	6536.56	70.00	90.00	6500.65	3311.65	.00	83.78	83.78	83.78	90.00	45.00	
rī	6546.56	74.50	90.00	6503.69	3314.69	.00	93.30	93.30	93.30	90.00	45.00	=
), 6506' T			•						
	6555.53	78.54	90.00	6505.78	3316.78	.00	102.02	102.02	102.02	90.00	45.00	
	6657.40	78.54	90.00	6526.03	3337.03	.00	201.86	201.86	201.86	90.00	.00	
	6757.40	78.54	90.00	6545.91	3356.91	.00	299.87	299.87	299.87	90.00	.00	
	6857.40	78.54	90.00	6565.78	3376.78	.00	397.87	397.87	397.87	90.00	.00	
	6957.40	78.54	90.00	6585.66	3396.66	.00	495.88	495.88	495.88	90.00	.00	
	7057.62	78.54	90.00	6605.57	3416.57	.00	594.09	594.09	594.09	90.00	.00	

_	Measured Depth FT	inci Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S Distance FT	URE Direction Deg	Dogleg Severity Deg/100
	BUILD '	15.0°/10	00'						·		;
	7064.04	79.50	90.00	6606.80	3417.80	.00	600.40	600.40	600.40	90.00	15.00
	7074.04	81.00	90.00	6608.49	3419.49	.00	610.26	610.26	610.26	90.00	15.00
	7084.04	82.50	90.00	6609.93	3420.93	.00	620.15	620.15	620.15	90.00	15.00
	7094.04	84.00	90.00	6611.10	3422.10	.00	630.08	630.08	630.08	90.00	15.00
	7104.04	85.50	90.00	6612.02	3423.02	.00	640.04	640.04	640.04	90.00	15.00
	 7114.04	87.00	90.00	6612.67	3423.67	.00	650.02	650.02	650.02	90.00	15.00
_	7124.04	88.50	90.00	6613.06	3424.06	.00	660.01	660.01	660.01	90.00	15.00
	TARGE	T 1									
L	7134.04	90.00	90.00	6613.20	3424.20	.00	670.01	670.01	670.01	90.00	15.00
	7144.04	91.50	90.00	6613.06	3424.06	.00	680.01	680.01	680.01	90.00	15.00
	7154.04	93.00	90.00	6612.67	3423.67	.00	690.00	690.00	690.00	90.00	15.00
	7164.04 7174.04	94.50 96.00	90.00 90.00	6612.02 6611.10	3423.02 3422.10	.00 .00	699.98 709.94	699.98 709.94	699.98 709.94	90.00 90.00	15.00 15.00
	7174.04	30.00	90.00	0011.10	3422.10	.00	709.94	709.94	709.94	90.00	15.00
	7184.04	97.50	90.00	6609.93	3420.93	.00	719.87	719.87	719.87	90.00	15.00
	7194.04	99.00	90.00	6608.49	3419.49	.00	729.76	729.76	729.76	90.00	15.00
:7	7204.04	100.50	90.00	6606.80	3417.80	.00	739.62	739.62	739.62	90.00	15.00
	Hold @										1
	7206.17	100.82	90.00	6606.40	3417.40	.00	741.71	741.71	741.71	90.00	15.00
	7306.17	100.82	90.00	6587.63	3398.63	.00	839.94	839.94	839.94	90.00	.00
	7406.17 7506.17	100.82 100.82	90.00 90.00	6568.86 6550.09	3379.86 3361.09	.00 .00	938.16 1036.38	938.16 1036.38	938.16 1036.38	90.00 90.00	.00 .00
	7606.17	100.82	90.00	6531.32	3342.32	.00	1134.60	1134.60	1134.60	90.00	.00
										• • • • • • • • • • • • • • • • • • • •	
	7706.17	100.82	90.00	6512.54	3323.54	.00	1232.82	1232.82	1232.82	90.00	.00
	Drop @		00.82°								
	7742.29	100.82	90.00	6505.76	3316.76	.00	1268.30	1268.30	1268.30	90.00	.00
	7742.29	100.82	90.00	6505.76	3316.76	.00	1268.30	1268.30	1268.30	90.00	15.00
	7744.42 7754.42	100.50	90.00	6505.37	3316.37	.00	1270.39	1270.39	1270.39	90.00	15.00 15.00
	7754.42 7764.42	99.00 97.50	90.00 90.00	6503.68 6502.24	3314.68 3313.24	.00 .00	1280.25 1290.14	1280.25 1290.14	1280.25 1290.14	90.00 90.00	15.00 15.00
	1104.42	01.00	00.00	330E.E.4	0010.21	.00	1200.14	1250.14	1200.14	00.00	10.00
	7774.42	96.00	90.00	6501.07	3312.07	.00	1300.07	1300.07	1300.07	90.00	15.00
	7784.42	94.50	90.00	6500.15	3311.15	.00	1310.03	1310.03	1310.03	90.00	15.00
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	7844.42	85.50	90.00	6500.15	3311.15	.00	1369.97	1369.99	1369.97	90.00	15.00
	7854.42	84.00	90.00	6501.07	3312.07	.00	1379.93	1379.93	1379.93	90.00	15.00
	7864.42	82.50	90.00	6502.24	3313.24	.00	1389.86	1389.86	1389.86	90.00	15.00 15.00
	7874.42	81.00	90.00	6503.68	3314.68	.00	1399.75	1399.75	1399.75	90.00	15.00

	Measured Depth FT	inci Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S Distance FT		Dogleg Severity Deg/100
	7884.42	79.50	90.00	6505.37	3316.37	.00	1409.61	1409.61	1409.61	90.00	15.00
	7894.42	78.00	90.00	6507.32	3318.32	.00	1419.42	1419.42	1419.42	90.00	15.00
	7904.42	76.50	90.00	6509.53	3320.53	.00	1429.17	1429.17	1429.17	90.00	15.00
_	7914.42	75.00	90.00	<u>6511.99</u>	3322.99	.00	1438.86	1438.86	1438.86	90.00	15.00
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	8120.10	74.15	90.00	6568.13	3379.13	.00	1636.73	1636.73	1636.73	90.00	.00
	8220.10	74.15	90.00	6595.45	3406.45	.00	1732.93	1732.93	1732.93	90.00	.00
	8320.10	74.15	90.00	6622.77	3433.77	.00	1829.13	1829.13	1829.13	90.00	.00
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DISTRICT I

· P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719 DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410 **DISTRICT IV**

P.O. Box 2088, Santa Fe, NM 87504-2088

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised February 10,1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies

☐ AMENDED REPORT

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 31973	² Pool Code 18830	³ Pool Name DOLLARHIDE TUBB DRINKARD				
Property Code 010926	•	orty Name DE DRINKARD UNIT	⁶ Well No. 126			
⁷ OGRID Number 022351	•	rator Name ON & PRODUCTION INC.	⁹ Elevation GR-3176', KB-3189'			

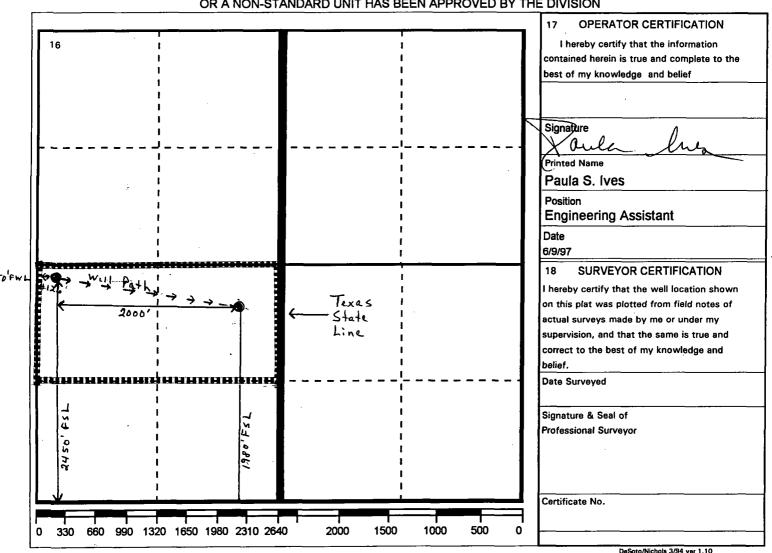
Surface Location

Ul or lot no.	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
L	33	24-S	38-E		2450	SOUTH	150	WEST	LEA

Bottom Hole Location If Different From Surface

UI or lo	ot no.	Section	Township	Range	Lot.ldn	Feet From	The	North/South Line	Feet From The	East/West Line	County
12 Ded	icated 80	Acres	Joint or Infill	14	4 Consolidatio	n Code	¹⁵ Orc	ier No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



. .

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 4133 Order No. R-3764

APPLICATION OF SKELLY OIL COMPANY FOR APPROVAL OF THE WEST DOLLARHIDE DRINKARD UNIT AGREEMENT, LEA COUNTY, NEW MEXICO.

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 23rd 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 approval of the West Dollarhide Drinkard Unit Agreement covering 3,533.52 acres, more or less, of State, Federal, and Fee lands described as follows:

LEA COUNTY, NEW MEXICO

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM

Section 19: NW/4, W/2 NE/4, NW/4 SW/4,

E/2 SW/4, NW/4 SE/4, and

S/2 SE/4

Section 20: SW/4 SW/4

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM - Continued

Section 28: SE/4 SW/4, SW/4 SW/4, and

Lot 4

Section 29: NW/4 NW/4, S/2 NW/4, SW/4 NE/4,

and S/2

Section 30: E/2 W/2 and E/2

Section 31: E/2 NW/4, NE/4, NE/4 SW/4,

N/2 SE/4, and SE/4 SE/4

Section 32: All

Section 33: W/2 and Lots 1, 2, 3, and 4 All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 4: SW/4 NW/4, SE/4 NW/4, and

Lots 1, 2, 3, and 4

Section 5: S/2 N/2, NE/4 SE/4, and

Lots 1, 2, 3, and 4

Section 6: Lot 1

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

- (1) That the West Dollarhide Drinkard Unit Agreement is hereby approved.
- (2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.
- (3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement

-3-CASE No. 4133 Order No. R-3764

reflecting the subscription of those interests having joined or ratified.

- (4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.
- (5) 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.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 4134 Order No. R-3768

APPLICATION OF SKELLY OIL COMPANY FOR A WATERFLOOD PROJECT, LEA COUNTY, NEW MEXICO.

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:

		Well		LOCA	NOI	
COMPANY	LEASE	No.	Unit	Sec.	T -	<u>R</u>
Texaco Inc.	Faul Stephens	2	D	19	24S	
Texaco Inc.	E. M. Byers	1	L	19	24S	
Texaco Inc.	United Royalty "A"	3	F	19	24S	38E
Texaco Inc.	United Royalty "A"	5	N	19	24 S	38E
Sinclair Oil & Gas Co.	McClure Fed.	21	В	19	24 S	38E
Sinclair Oil & Gas Co.	McClure Fed.	. 19	J	19	24 S	38E
Sinclair Oil & Gas Co.	McClure Fed.	18	P	19	24S	38E
Gulf Oil Corporation	Ramsay "D"	2	N	.28	24 <i>S</i>	38E
Skelly Oil Company	Mexico "K"	1	P	29	24 S	38E
Skelly Oil Company	Mexico "K"	4	N	29	245	38E
Skelly Oil Company	Mexico "K"	6	L	29	24S	38E
Skelly Oil Company	Mexico "K"	9	J	29	24 S	38E
Skelly Oil Company	Mexico "K"	13	F	29	24 S	38E
Skelly Oil Company	Mexico "K"	15	Ø	29	24 S	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.		1	P	30	24S	38E
Sinclair Oil & Gas Co.	_	5	J	30	24 S	38E

-3-CASE No. 4134 Order No. R-3768

	,	Well		LOCAT	NOI	
COMPANY	LEASE	No.	Unit	Sec.	T -	R
	•					
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	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	24 S	38E
Skelly Oil Company	Mexico "J"	9	J	32	24S	38E
Skelly Oil Company	Mexico "J"	16	P	32	245	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	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	24 S	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	В	5	25 S	38E
Skelly Oil Company	Mexico "L"	18	H	5	25 S	38E
Skelly Oil Company	Mexico "L"	20	F	5	25 S	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 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-CASE No. 4134 Order No. R-3768

(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.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

June 2, 1993

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

Texaco Exploration and Production, Inc. P.O. Box 3109
Midland, TX 79702

Attention: C.P. Basham

Administrative Order NSL-3255

Dear Mr. Basham:

Reference is made to your applications dated May 10 and 26, 1993 for eleven unorthodox oil well locations for the purpose of completing an efficient injection/production pattern within your Skelly West Dollarhide Drinkard Waterflood Project Area, established by Division Order No. R-3768, dated May 28, 1969.

The following described wells are to be located in Township 24 South, Range 38 East, NMPM, Dollarhide Tubb-Drinkard Pool, West Dollarhide Drinkard Unit Area, Lea County, New Mexico:

Well No.	Footage Location	Unit	Section	Dedicated 40- Acre Tract
123	1275' FSL - 200' FWL	M	32	SW/4 SW/4
125	1150' FSL - 1400' FWL	N	33	SE/4 SW/4
126	2450' FSL - 150' FWL	L	33	NW/4 SW/4
127	2630' FNL - 1440' FWL	K	33	SE/4 NW/4
128	1310' FNL - 150' FWL	D	33	NW/4 NW/4
132	115' FNL - 100' FWL	D	33	NW/4 NW/4
133	110' FSL - 1330' FEL	0	29	SW/4 SE/4
134	1700' FNL - 1300' FEL	Н	30	SE/4 NE/4

Well No.	Footage Location	Unit	Section	Dedicated 40- Acre Tract
135	1450' FNL - 2400' FEL	G	30	SW/4 NE/4
136	200' FNL - 2350' FEL	В	30	NW/4 NE/4
138	2630' FNL - 1450' FWL	F	19	SE/4 NW/4

By the authority granted me under the provisions of General Rule 104 F.(1), the above-described unorthodox oil well locations are hereby approved.

Sincerely,

William J. LeMay

· Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

June 23, 1993

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

Texaco Exploration and Production, Inc. Attention: C.P. Basham P.O. Box 3109 Midland, TX 79702

Amended Administrative Order NSL-3255

Dear Mr. Basham:

Reference is made to your letter dated June 7, 1993 requesting to amend the location of the West Dollarhide Drinkard Unit Well No. 135, which was approved in part by Division Order NSL-3255, dated June 2, 1993. Said well was to have been drilled 1450 feet from the North line and 2400 feet from the East line (Unit G) of Section 30, Township 24 South, Range 38 East, NMPM, Dollarhide-Tubb-Drinkard Pool, Skelly West Dollarhide Drinkard Waterflood Project, Lea County, New Mexico.

It is our understanding that this change was requested by the US Bureau of Land Management for an undisclosed reason.

Said Division Order NSL-3255 is hereby amended to reflect the footage location for the West Dollarhide Drinkard Unit Well No. 135 to be "1450 feet from the North line and 2300 feet from the East line (Unit G) of Section 30."

All other provisions of said Order NSL-3255 shall remain in full force and effect until further notice.

Sincerely,

William J. Lely Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs

US Bureau of Land Management - Carlsbad

Dollarhide Tubb Prinkard

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	EMPLOYEE			_	SOCIAL SECURITY	JOB		YEAR-TO-DATE	
	NUMBER	N A M E			NUMBER	CLASS	JOB DESCRIPTION	GROSS	
	130	WILLIAMS	JASON	S	324 15 9371	0	EXECUTIVE	25,031.14	
	137	SMITH	DOROTHY	A	356 58 1593	8	STOCK HANDLER	10,050.16	
	143	PETERSON	CONNIE	J [']	542 36 3859	7	MACHINE OPERATOR	11,516.17	
,	152	HOFFMAN	JERRY	A	212 20 5071	3 `	ACCOUNTANT	12,789.50	
	159	FRANKLIN	MARIA	- -	\$ 533 67 0183	6	CLERTAL	8,432.14	
	160	MILLER	HARRY	s	418 42 6646	1	MANAGER	19,041.92	
	200	OBRIEN	JACK	В	205 79 2305	4	. DATA PROCESSING	15,360.72	
	203	ADAMS	SCOTT	Н.	329 84 8587	1	MANAGER	19,673.84	
	205	LAWSON	ANN	J	664 97 0420	4	DATA PROCESSING	्र _{"वी} 3,472.50	
	207	CLARK	RICHARD	D	490 13 4929	2	DESIGNER	21,530.72	
	209	KING	ELIZABETH	<u> </u>	343 26 3741 htts://	30 86 9 W - 54 W. H	SALESMAN	<u>\$14,728,50</u>	
•	230	JOHNSTON	GUS	R	256 08 7782	6	CLERIAL	39,723.50	
<u>- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '</u>	241	DANIELS	JONATHON	G	582 30 1264	2	DESIGNER	14,720.65	· · · · · · · · · · · · · · · · · · ·
	246	ONEIL	GRACE	D	471 65 4906	2	DESIGNER	13,450,42	
	263	JONES	MARY	L .	657 97 9135	4	DATA PROCESSING	15,790.14	,
	267	RYAN	NANCY	G	284 51 9828	0 .	EXECUTIVE	27,066.30	
	268	SMITH	GREG		435 74 7474	6	CLERIAL	9,450.16	
	274	GRANT	ERIC	J	328 49 5648	.∵ 1	MANAGER	20,172.32	
	279	MACDONALD	JANICĖ	<u></u>	597 16 2373	7	MACHINE OPERATOR	12,151.42	· · · · · · · · · · · · · · · · · · ·
	281	GREEN	PHILLIP —	R	606 32 1559	9	CUSTODIAN	7,520.00	
,	285	REILLY	ELAINE	В	269 82 2001	3	ACCOUNTANT	14,500.06	
·	301	MORRIS	LANCE	R	340 25 6671	8	STOCK HANDLER	8,720.00	
	303	PERKINS	SUSAN	M	271 48 8203		- EXECUTIVE	26,530,14	
	311	COLESON	WALTER	D	212 03 0424	· 9	CUSTODIAN	9,500.17	
	317	HEINZ	ALICE	C	351 11 6378	5	SALESMAN	732.01	· · · · · · · · · · · · · · · · · · ·
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