

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-10
Revised February 10, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copie
Fee Lease - 5 Copie

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. 205 E. Bender, HOBBS, NM 88240		² OGRID Number 022351
		³ API Number 3002531484
⁴ Property Code 010926	⁵ Property Name WEST DOLLARHIDE DRINKARD UNIT	⁶ Well No. 116

⁷ Surface Location									
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
D	4	25S	38E		67	NORTH	152	WEST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface									
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
	5	25S	38E		317'	NORTH	1138'	WEST	LEA
⁹ Proposed Pool 1 WEST DOLLARHIDE-DRINKARD					¹⁰ Proposed Pool 2 T4-DR-ABO				

¹¹ Work Type Code P	¹² WellType Code O	¹³ Rotary or C.T.	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation GR-3161', KB-3179'
¹⁶ Multiple No	¹⁷ Proposed Depth 6459 TVD	¹⁸ Formation DOLLARHIDE	¹⁹ Contractor	²⁰ Spud Date 7/13/00

²¹ Proposed Casing and Cement Program					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	11 3/4		1190	800 SX- CIRC 71 SX	
11	8 5/8		4200	1320 SX- CIRC 180 SX	
7 7/8	5 1/2		7580	1270 SX- CIRC 79 SX	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

TEXACO INTENDS TO DRILL A HORIZONTAL RE-ENTRY IN THE SUBJECT WELL. THE INTENDED PROCEDURE IS ATTACHED.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Plug-Back

²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature *J. Denise Leake*
Printed Name J. Denise Leake
Title Engineering Assistant
Date 6/29/00 Telephone 397-0405

OIL CONSERVATION DIVISION	
Approved By:	
Title:	
Approval Date:	Expiration Date:
Conditions of Approval: Attached	

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OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3002531484	² Pool Code 18830	³ Pool Name DOLLARHIDE TUBB DRINKARD - Abo
⁴ Property Code 010926	⁵ Property Name WEST DOLLARHIDE DRINKARD UNIT	
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁶ Well No. 116
		⁹ Elevation GR-3161', KB-3179'

¹⁰ Surface Location

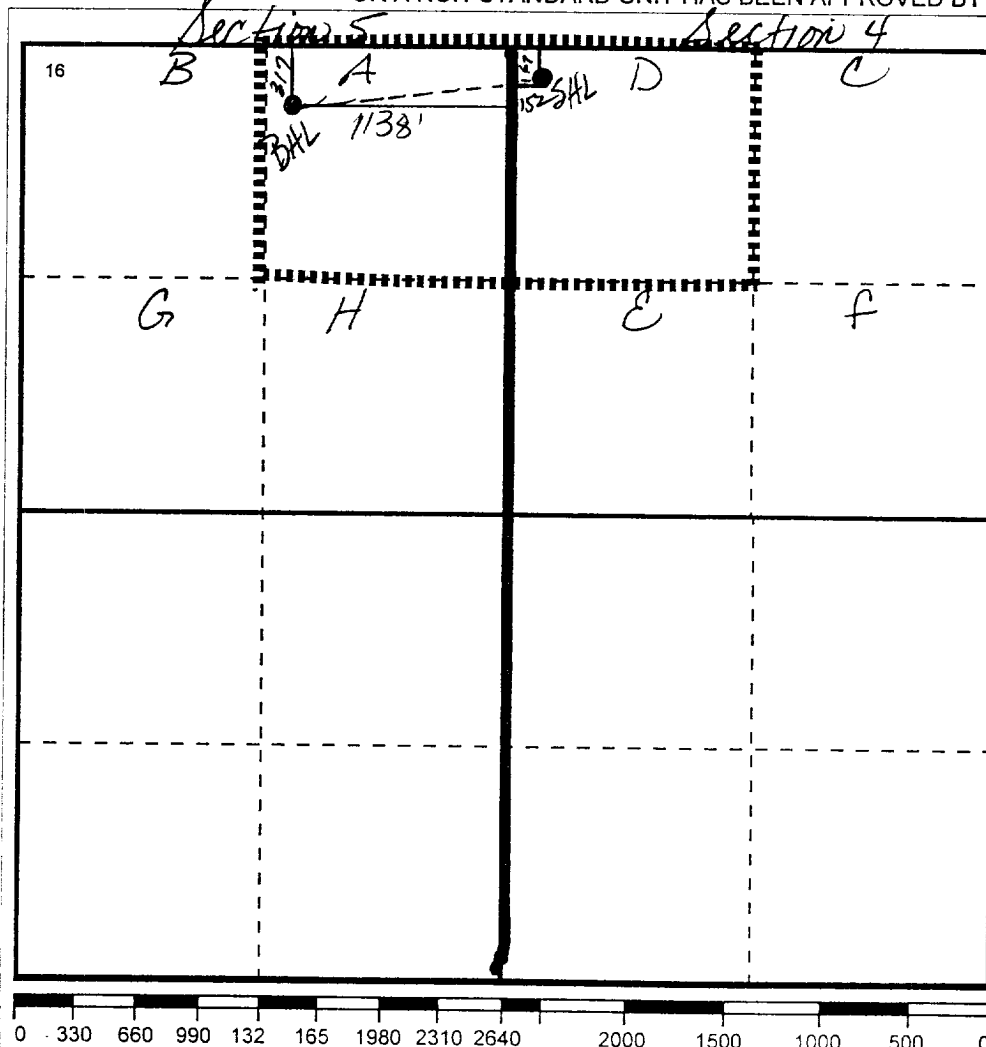
UI or lot no	Section	Township	Range	Lot, Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
D	4	25S	38E		67	NORTH	152	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI or lot no	Section	Township	Range	Lot, Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
A	5	25S	38E		317'	NORTH	1138'	EAST	LEA

¹² Dedicated Acre 80	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
Signature <i>J. Denise Leake</i>
Printed Name J. Denise Leake
Position Engineering Assistant
Date 6/29/00
¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
Date Surveyed
Signature & Seal of Professional Surveyor
Certificate No.

OVERVIEW

The West Dollarhide Drinkard Unit #116 is currently completed from 6422' to 6846' gross. It has 5-1/2" 15.5# and 17# casing. It is proposed to drill a +/-1314 foot lateral at 259 degrees. The basic well plan is as follows:

- a) TOOH with the pump and tubing. Run a casing scraper to 6400'. Set a 5-1/2" CIBP at +/-6362'. Pressure test to 1000 psi. TIH with a 3 degree bottom trip whipstock (casing collar at +/-6346', top of window +/-6350', bottom of window +/-6356'). Attached is a correlation log.
- b) Drill a short radius curve using a 4-3/4" bit to a measured depth of +/-6578' (TVD +/-6490') with a 257 degree azimuth. The final angle will be 91.37 degrees from vertical. Drill +/-1161' horizontal section. The end point will be +/-7748' MD, +/-6459' TVD and +/-1314' vertical section.
- d) Stimulate with ported subs using 50 gallons/foot of 15% HCl (58,500 gallons). Place well on production.

50% LOST IN HOLE INSURANCE FOR THE DOWNHOLE MOTOR AND MWD IS INCLUDED WITH THE DAILY RATE FROM SCIENTIFIC DRILLING.

PROPOSED WORK

PRODUCTION HOLE:

1. TOOH with pump and tubing. TIH with casing scraper to 6400'. Set a 5-1/2" CIBP at 6362'. Pressure test to 1000 psi. Correlate the casing collars with the production logs (casing collar at 6325', 6346' & 6385').
2. Pick up drill pipe. Strap the pipe going in the hole. This measurement will be used when setting the whipstock. Accuracy is very important. Check the strap with the wire line measurement. TOOH.
3. TIH with bottom set retrievable whipstock, starting mill, orientation sub and drill pipe. Stop at a point 5-10' above the RBP and run a gyro. Take a gyro reading to determine the direction of the whipstock face. Rotate the pipe as needed to achieve the required direction (azimuth 257 degrees). Lower the pipe to within one foot of the CIBP and take another gyro reading. Rotate pipe again, if necessary, to obtain the required direction. This step may need to be made several times until confident the whipstock is oriented in the proper direction. Pull the gyro to surface, recording the orientation of the wellbore.
4. Lower the drill pipe to set the whipstock. The weight indicator will jump indicating the plunger shear pin is sheared and the whipstock is set. Continue setting down to shear the starting mill bolt. The weight indicator will jump, indicating the bolt is sheared.
5. Pick up the power swivel and begin circulating. Pick up the drill pipe until the starting mill has cleared the whipstock and start rotation. Lower the drill pipe slowly until the torque gauge suggest the starting mill is contacting the casing. Adjust weight and speed until satisfied with the penetration rate. Mill to a predetermined depth that will assure the setting lug is completely removed and a cut out in the casing has been initiated. TOOH.
6. TIH with the metal muncher window mill, string mill and the watermelon mill. Resume milling operations and mill until the complete assembly has cleared the casing. Pick up and lower the string several times without rotation to assure a good clean window has been obtained. Circulate the hole clean. TOOH.
7. Inspect the mill on the surface. If extreme wear is evident, consideration should be given to repeating the above step.

HORIZONTAL PRODUCTION HOLE:

1. Rig up Scientific Drilling Company. Adjust plan to target as necessary. Trip in the hole with Scientific Drilling's curve building assembly. This will be a 4-3/4" insert bit, 3-3/4" PDM, float sub/orienter combo, 2-flexible monel collars and 2-7/8" AOH drill pipe.

2. Build curve to estimated target depths and angles as follows:

True Vertical Depth	6489'
Measured Depth	6578'
Final Angle	91.37 degrees
Target Azimuth	257 degrees
Build Rate	41.5 degrees/100'

Drill the curve sliding as necessary to stay on target. It is recommended that after each slide, the bit be pulled back and washed through the slide. Once the curve is built, rotate through the curve section noting tight spots and fill. Make at least one short trip prior to tripping out of the hole.

3. Trip in the hole with Scientific Drilling's lateral assembly. This will be a 4-3/4" tri-cone bit, 3-3/4" articulated motor, float sub/orienter combo, 2 - flexible monel collars and 2-7/8" AOH drill pipe.
4. Drill +/-1170' of horizontal hole per the attached Scientific well plan.
5. Continue drilling the horizontal section per the Texaco Engineer (Charles Wolle 915-688-2930, home 915-694-0672) recommendations.
6. Trip out of the hole with the drilling assembly. Run in hole and log lateral with a TDT log. TIH and retrieve whipstock (leave CIBP in place).
7. Set a wireline set, tubing retrievable bridge plug for 5-1/2" casing at +/- 6300'. Test plug to 1000 psi.
8. Lay down the drill pipe.
9. Nipple down the BOP stack. Install a manual 3000 psig BOP equipped with blind rams and 2-7/8" pipe rams. Release the rig. Rig down and move out rotary tools.

COMPLETION PROCEDURE:

1. Back drag the location and set pulling unit anchors.
2. Move in and rig up a pulling unit.
3. Trip in the hole with a retrieving head on 2-7/8" tubing. Retrieve the plug. Trip out of the hole and lay down the plug. TIH with ported subs and a packer and set packer 100' above window. Use a bent joint to orient into the lateral. Acidize the lateral using 50 gallons/foot of 15% HCl and gelled water spacers.
4. Flow back immediately.
5. Place on production.

POTENTIAL PROBLEMS:**Horizontal Production hole:**

- a) Loss circulation material and/or other plugging agents are not to be used in this portion of the hole.
- b) The horizontal lateral will be drilled with fresh water.
- c) Hydrogen sulfide is expected. H₂S detection equipment is to be installed.

MUD PROGRAM:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Remarks</u>
Curve	Fresh Water	8.4 ppg	35	Raise visc. with starch and gel
Horizontal	Fresh Water	8.4-9.0 ppg	28-29	Circulate reserve

EVALUATION PROGRAM

Coring:

No cores are anticipated.

Mud Loggers:

A mud logger will be rigged from the start of the curve to total depth. Contact Cory Hoffman at (915) 688-4688 for the name of the mud logger.

Open Hole Logs:

The following open hole logs will be run in the vertical section of the well:

Run 1: Gyro from 6350' - surface for determination of bottom hole location (Scientific Drilling responsibility).

The guidance system in the curve and horizontal sections of the hole will consist of a MWD system.

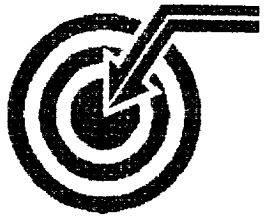
Horizontal Hole Logs:

TDT logs will be run in the lateral.

CASING PROPERTIES

	<u>DEPTH</u>	<u>BURST Rated (75%)</u>	<u>COLLAPSE Rated (75%)</u>	<u>TEST PRESSURE</u>
5-1/2", 15.5#, J-55	0-4264'	4810	3607	4040 3030 1000
5-1/2", 17#, J-55	4264'-5297'	5320	3990	4910 3682 1000
5-1/2", 17#, L-80	5297'-7192'	7740	5805	6280 4710 1000
5-1/2", 17#, S-95	7192'-7580'	9190	6892	6930 5197 1000

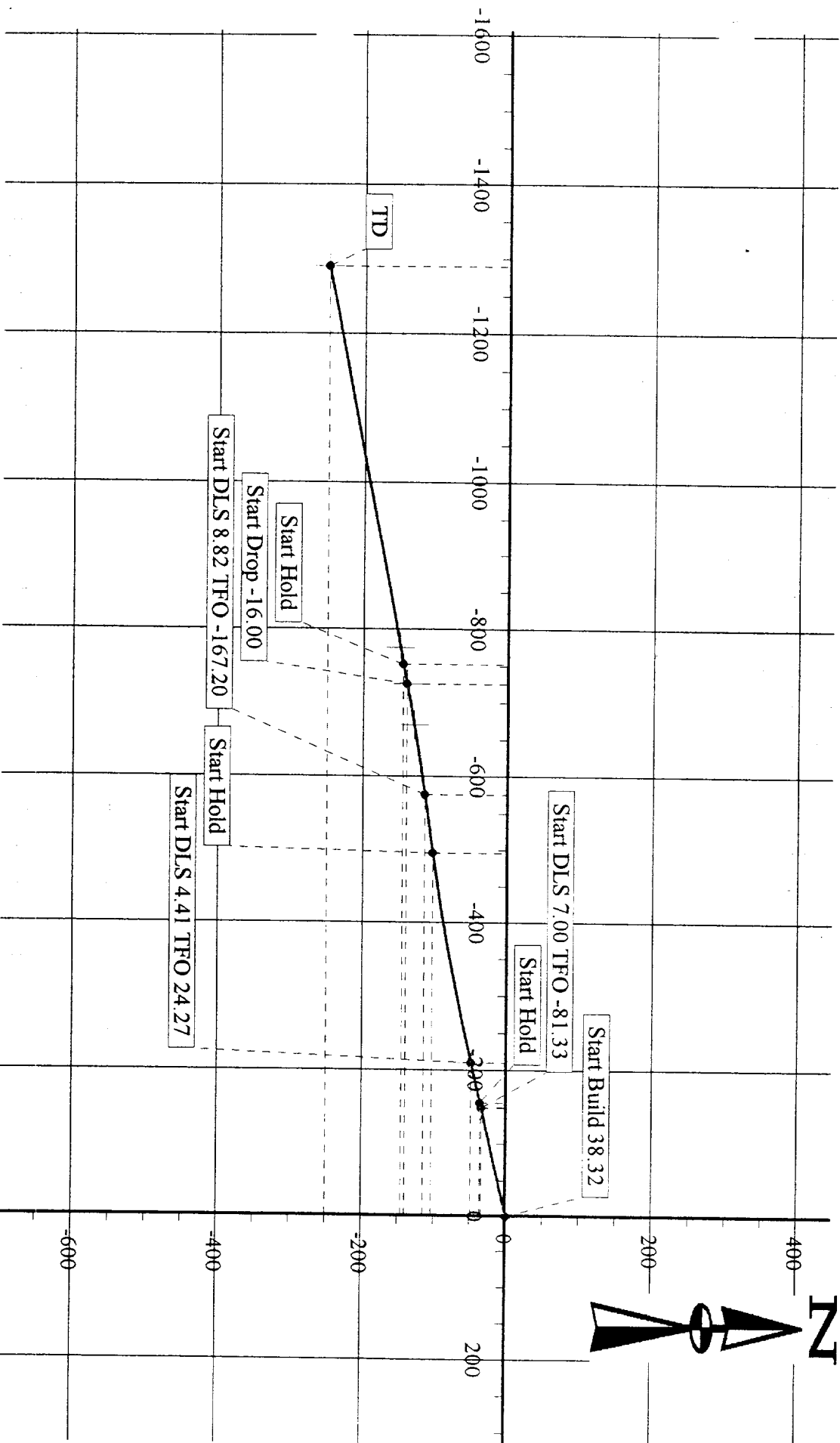
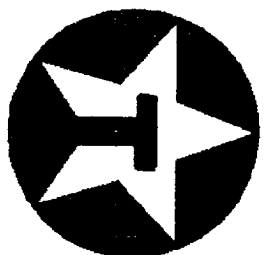
Current PBTD is 6905'.



Scientific
Drilling

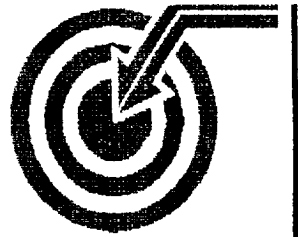
Texaco E & P, Inc.

Field: WDDU
Site: Lea County, New Mexico
Well: WDDU #116
Wellpath: OH Original hole
Plan: Plan #1



South(-)/North(+) [200ft/in]

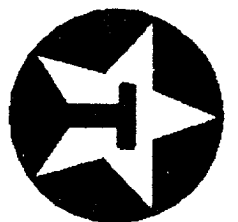
West(-)/East(+) [200ft/in]



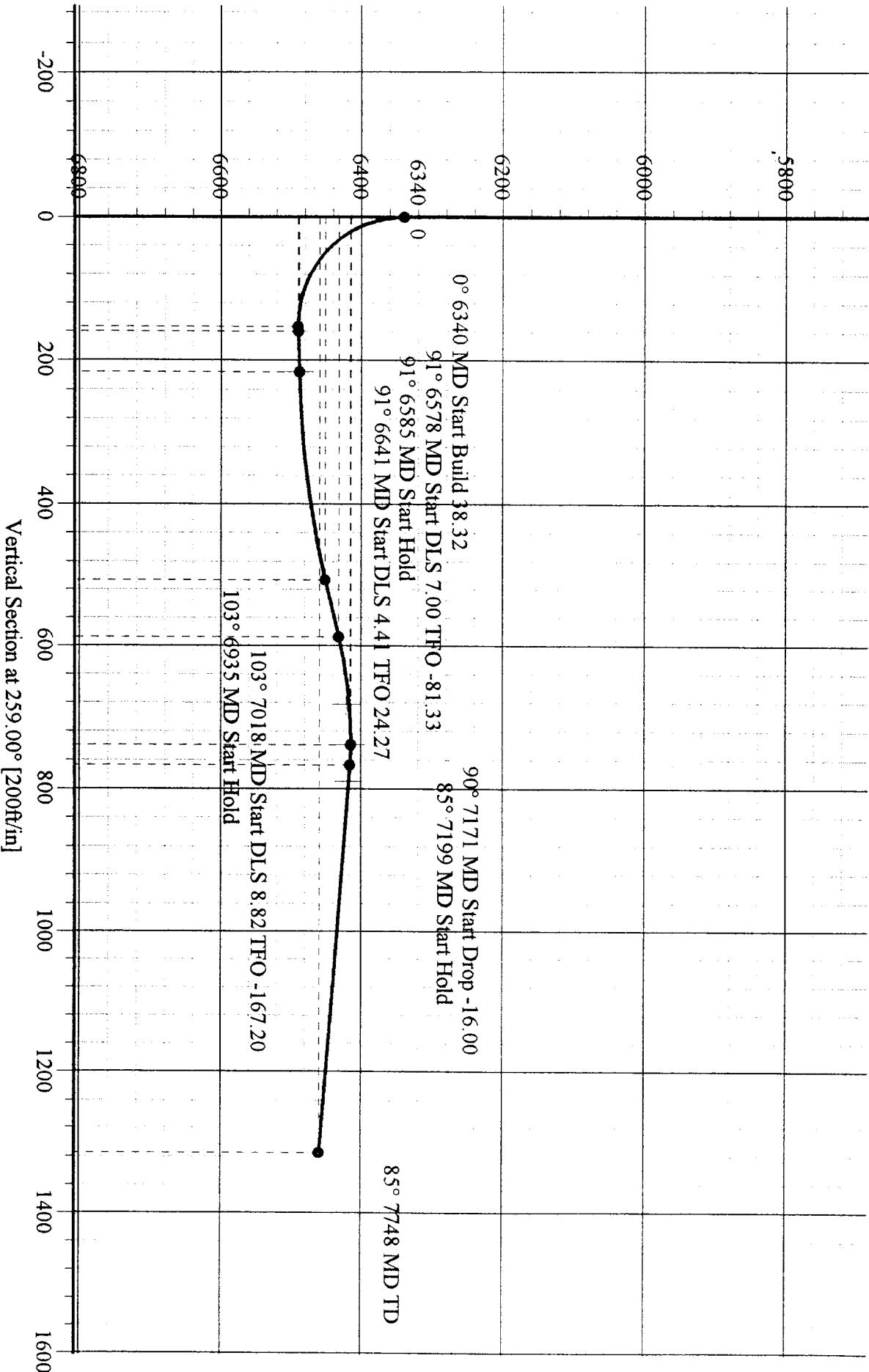
Scientific[®] MD Start Hold
Drilling

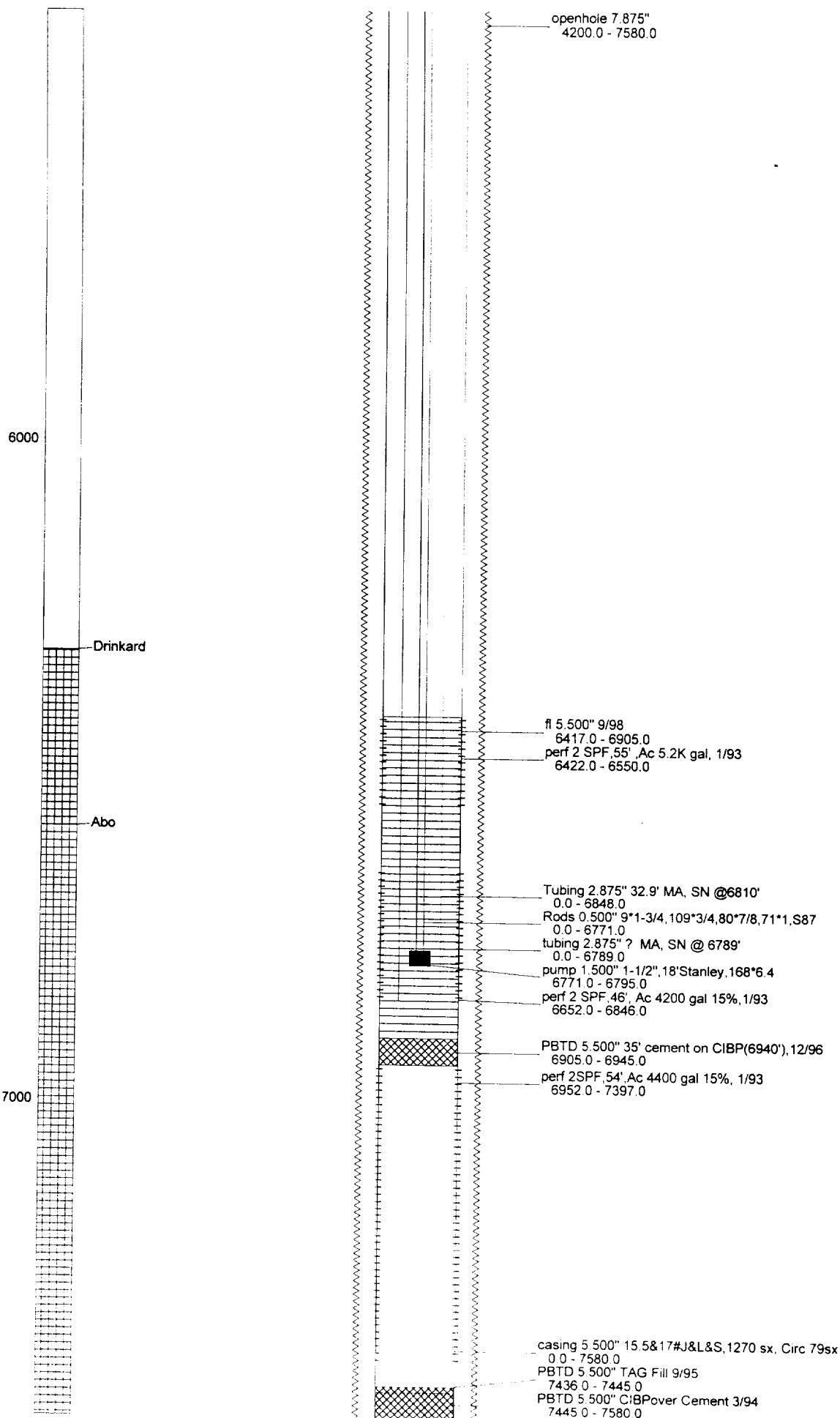
Texaco E & P, Inc.

Field: WDDU
Site: Lea County, New Mexico
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True Vertical Depth [200ft/in]





Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc.	Date: 04/12/2000	Time: 10:33:30	Page: 1
Field: WDDU	Co-ordinate(N/E) Reference: Site: Lea County, New Mexico, True North		
Site: Lea County, New Mexico	Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level		
Well: WDDU #116	Section (VS) Reference: Site (0.0E,0.0N,259.0Azi)		
Wellpath: OH Original hole	Plan: Plan #1		

Field: WDDU

Map System: US State Plane Coordinate System 1927
 Ellipsoid: Clarke - 1866
 Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
 North Reference: True
 Geomagnetic Model: igrf2000

Site: Lea County, New Mexico

Site Position:	Northing:	ft	Latitude:	
From: Local Only	Easting:	ft	Longitude:	
Position Uncertainty: 0.0 ft			Magnetic Declination: 0.00 deg	
Water Depth: 0.0 ft			Grid Convergence: deg	

Well: WDDU #116

Well Position: +N/-S 0.0 ft	Northing: ft	Latitude:	
From Slot: +E/-W 0.0 ft	Easting: ft	Longitude:	
Position Uncertainty: 0.0 ft			

Wellpath: OH Original hole

Drilled From: Surface	
Tie-on Depth: ft	
V.Section Direction: 259.00 deg	
Above System Datum: Mean Sea Level	

Vertical Section: +N/-S 0.0 ft	
From: Site +E/-W 0.0 ft	
Measured Depth Reference: SITE 0.0 ft	

Plan: Plan #1

Date Composed: 04/12/2000	
Version: 1	

Principal: Yes

Locked: No

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
5500.0	0.00	0.00	5500.0	0.0	0.0	0.00	0.00	0.00	0.00	
6340.0	0.00	0.00	6340.0	0.0	0.0	0.00	0.00	0.00	0.00	
6578.3	91.30	257.00	6489.5	-34.4	-149.0	38.32	38.32	0.00	257.00	
6585.3	91.37	256.51	6489.3	-36.0	-155.9	7.00	1.05	-6.92	-81.33	
6641.0	91.37	256.51	6488.0	-49.0	-210.0	0.00	0.00	0.00	0.00	200-116
6934.9	103.17	261.95	6450.8	-103.5	-495.8	4.41	4.01	1.85	24.27	
7017.7	103.17	261.95	6432.0	-114.8	-575.5	0.00	0.00	0.00	0.00	
7170.6	90.00	258.98	6414.5	-140.0	-725.0	8.82	-8.61	-1.94	-167.20	725-116
7198.9	85.47	258.98	6415.6	-145.4	-752.8	16.00	-16.00	0.00	180.00	
7748.0	85.47	258.98	6459.0	-250.0	-1290.0	0.00	0.00	0.00	0.00	1300-116

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.0	0.00	0.00	5500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5600.0	0.00	0.00	5600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5700.0	0.00	0.00	5700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5800.0	0.00	0.00	5800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5900.0	0.00	0.00	5900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6000.0	0.00	0.00	6000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6100.0	0.00	0.00	6100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6200.0	0.00	0.00	6200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6300.0	0.00	0.00	6300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6340.0	0.00	0.00	6340.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Section 2 : Start Build 38.32

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6350.0	3.83	257.00	6350.0	-0.1	-0.3	0.3	38.32	38.32	0.00	0.00
6360.0	7.66	257.00	6359.9	-0.3	-1.3	1.3	38.32	38.32	0.00	0.00

Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc.
Field: WDDU
Site: Lea County, New Mexico
Well: WDDU #116
Wellpath: OH Original hole

Date: 04/12/2000 **Time:** 10:33:30 **Page:** 2
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,259.0Azi)
Plan: Plan #1

Section 2 : Start Build 38.32

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6370.0	11.49	257.00	6369.8	-0.7	-2.9	3.0	38.32	38.32	0.00	0.00
6380.0	15.33	257.00	6379.5	-1.2	-5.2	5.3	38.32	38.32	0.00	0.00
6390.0	19.16	257.00	6389.1	-1.9	-8.1	8.3	38.32	38.32	0.00	0.00
6400.0	22.99	257.00	6398.4	-2.7	-11.6	11.9	38.32	38.32	0.00	0.00
6410.0	26.82	257.00	6407.5	-3.6	-15.7	16.1	38.32	38.32	0.00	0.00
6420.0	30.65	257.00	6416.2	-4.7	-20.4	20.9	38.32	38.32	0.00	0.00
6430.0	34.48	257.00	6424.7	-5.9	-25.6	26.3	38.32	38.32	0.00	0.00
6440.0	38.32	257.00	6432.7	-7.2	-31.4	32.2	38.32	38.32	0.00	0.00
6450.0	42.15	257.00	6440.3	-8.7	-37.7	38.6	38.32	38.32	0.00	0.00
6460.0	45.98	257.00	6447.5	-10.3	-44.4	45.6	38.32	38.32	0.00	0.00
6470.0	49.81	257.00	6454.2	-11.9	-51.7	53.0	38.32	38.32	0.00	0.00
6480.0	53.64	257.00	6460.4	-13.7	-59.3	60.8	38.32	38.32	0.00	0.00
6490.0	57.47	257.00	6466.1	-15.6	-67.4	69.1	38.32	38.32	0.00	0.00
6500.0	61.30	257.00	6471.2	-17.5	-75.7	77.7	38.32	38.32	0.00	0.00
6510.0	65.14	257.00	6475.7	-19.5	-84.4	86.6	38.32	38.32	0.00	0.00
6520.0	68.97	257.00	6479.6	-21.6	-93.4	95.8	38.32	38.32	0.00	0.00
6530.0	72.80	257.00	6482.8	-23.7	-102.6	105.3	38.32	38.32	0.00	0.00
6540.0	76.63	257.00	6485.5	-25.9	-112.0	114.9	38.32	38.32	0.00	0.00
6550.0	80.46	257.00	6487.5	-28.1	-121.6	124.7	38.32	38.32	0.00	0.00
6560.0	84.29	257.00	6488.8	-30.3	-131.2	134.6	38.32	38.32	0.00	0.00
6570.0	88.12	257.00	6489.5	-32.5	-140.9	144.6	38.32	38.32	0.00	0.00
6578.3	91.30	257.00	6489.5	-34.4	-149.0	152.8	38.32	38.32	0.00	0.00

Section 3 : Start DLS 7.00 TFO -81.33

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6585.3	91.37	256.51	6489.3	-36.0	-155.9	159.9	7.00	1.05	-6.92	-81.33

Section 4 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6600.0	91.37	256.51	6489.0	-39.4	-170.1	174.5	0.00	0.00	0.00	0.00
6641.0	91.37	256.51	6488.0	-49.0	-210.0	215.5	0.00	0.00	0.00	0.00

Section 5 : Start DLS 4.41 TFO 24.27

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6700.0	93.75	257.58	6485.4	-62.2	-267.4	274.4	4.41	4.02	1.82	24.27
6800.0	97.76	259.41	6475.3	-82.0	-364.9	373.8	4.41	4.02	1.83	24.32
6900.0	101.77	261.28	6458.4	-98.6	-462.0	472.3	4.41	4.01	1.87	24.50
6934.9	103.17	261.95	6450.8	-103.5	-495.8	506.4	4.41	4.00	1.90	24.82

Section 6 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7000.0	103.17	261.95	6436.0	-112.4	-558.5	569.7	0.00	0.00	0.00	0.00
7017.7	103.17	261.95	6432.0	-114.8	-575.5	586.9	0.00	0.00	0.00	0.00

Section 7 : Start DLS 8.82 TFO -167.20

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7050.0	100.38	261.30	6425.4	-119.4	-606.8	618.5	8.82	-8.60	-1.99	-167.20
7100.0	96.08	260.33	6418.2	-127.3	-655.7	667.9	8.82	-8.61	-1.94	-167.33
7150.0	91.77	259.37	6414.8	-136.1	-704.8	717.8	8.82	-8.61	-1.91	-167.47
7170.6	90.00	258.98	6414.5	-140.0	-725.0	738.4	8.82	-8.61	-1.90	-167.54

Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc.
Field: WDDU
Site: Lea County, New Mexico
Well: WDDU #116
Wellpath: OH Original hole

Date: 04/12/2000 **Time:** 10:33:30 **Page:** 3
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,259.0Azi)
Plan: Plan #1

Section 8 : Start Drop -16.00

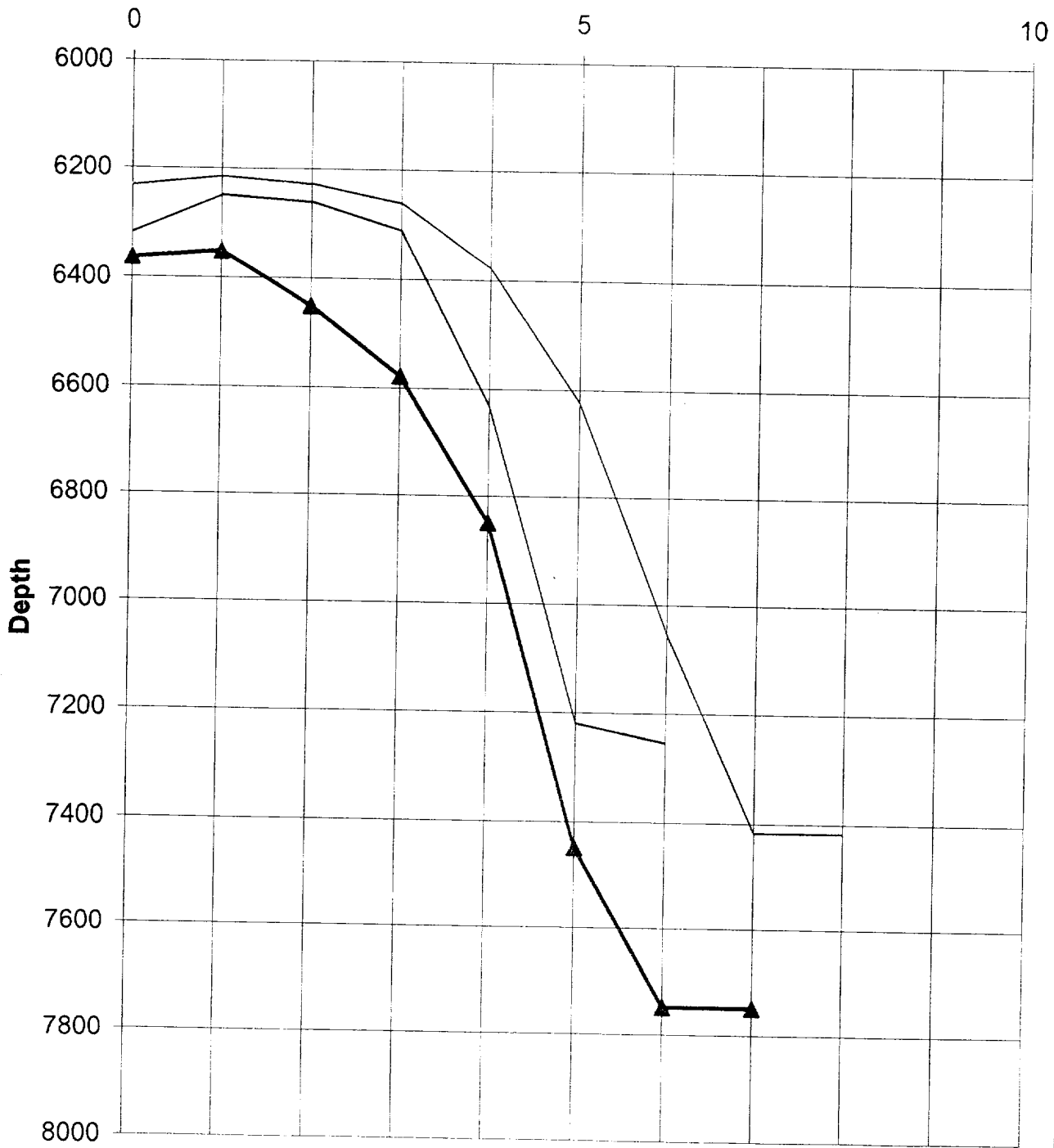
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7175.0	89.30	258.98	6414.5	-140.8	-729.3	742.8	16.00	-16.00	0.00	180.00
7198.9	85.47	258.98	6415.6	-145.4	-752.8	766.7	16.00	-16.00	0.00	180.00

Section 9 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7200.0	85.47	258.98	6415.7	-145.6	-753.8	767.8	0.00	0.00	0.00	0.00
7300.0	85.47	258.98	6423.6	-164.7	-851.7	867.4	0.00	0.00	0.00	0.00
7400.0	85.47	258.98	6431.5	-183.7	-949.5	967.1	0.00	0.00	0.00	0.00
7500.0	85.47	258.98	6439.4	-202.8	-1047.4	1066.8	0.00	0.00	0.00	0.00
7600.0	85.47	258.98	6447.3	-221.8	-1145.2	1166.5	0.00	0.00	0.00	0.00
7700.0	85.47	258.98	6455.2	-240.9	-1243.1	1266.2	0.00	0.00	0.00	0.00
7748.0	85.47	258.98	6459.0	-250.0	-1290.0	1314.0	0.00	0.00	0.00	0.00

WDDU #116

Drill Rig Days



— WDDU 114 1st — WDDU 114 2nd —▲— WDDU 116 Plan —x— Actual