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-101
Revised February 10,1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies
☐ AMENDED REPORT

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

1 Operator Name and Address	2 OGRID Number
TEXACO EXPLORATION & PRODUCTION INC. 205 E. Bender, HOBBS, NM 88240	022351
	3 API Number 30-025-21031

4 Property Code	5 Property Name	6 Well No.
11125	VACUUM GLORIETA WEST UNIT	126

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
E	6	18S	35E		1660	NORTH	380	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
J/H	6/1	18S			2043/2140	N/N	1830/720	W/E	LEA

9 Proposed Pool 1	10 Proposed Pool 2
GLORIETA	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
E P	O	R	S	
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	6015 TVD	GLORIETA		09/15/1999

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

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

Texaco intends to drill a 1500' lateral at 104.8 deg & a 1200' lateral at 246.4 deg in the Glorieta formation. The intended procedure is attahed:

Permit Expir[illegible]
Date Unl[illegible]

Plugback Horizontal

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 08/31/1999 Telephone 397-0405

OIL CONSERVATION DIVISION

Approved By: [illegible]
Title: [illegible]
Approval Date: OCT 01 1999 Expiration Date:
Conditions of Approval:
Attached ☐

DeSoto/Nichols 3-94 ver 1.10

OVERVIEW

The Vacuum Glorieta West Unit # 126 well was drilled in 1964 and potentialed for 179 BOPD, 0 BWPD and 0 MCFD in the Glorieta formation. The well was perforated from 5900'-5915', 5924'-5928', 5990'-6008', 6012'-6023' and 6036'-6123'. Successful horizontal laterals have been drilled at the VGWU. It is proposed to employ this technology on the subject well and drill a +/-1500 foot lateral at 104.8 degrees and a +/-1200 foot lateral at 246.4 degrees in the Glorieta formation. The basic well plan is as follows:

a) TOOH with the pump and tubing. Set a 5-1/2" cement retainer at 5890'. Squeeze existing perforations. Set a 5-1/2", 15.5 #/ft TIW or Smith full bore SS-WB-BB permanent packer at +/-5890' (on top of retainer). TIH with latch (1.0'), debris sub (2.55') and a 3 degree multi-lateral selective/reentry whipstock (casing collar at +/-5861', top of window +/-5873', bottom of window +/-5880'). Attached is a correlation log from 4950'-6200'.

b) Drill a short radius curve using a 4-3/4" bit to a measured depth of +/-6082' (TVD +/-6015'). The final angle will be 88.13 degrees from vertical. Drill +/-1380' horizontal section (azimuth 104.8 degrees). The end point will be +/-7462' MD, +/-6060' TVD and +/-1500' vertical section.

c) Retrieve the whipstock. TIH with a latch (1'), +/-40' space out assembly (drill collars and a stabilizer), debris sub (2.55') and another 3 degree whipstock (casing collar at 5828', top of window +/-5833', bottom of window +/-5840').

d) Drill a short radius curve using a 4-3/4" bit to a measure depth of +/-6093' (TVD +/-6010'). The final angle will be 86.73 degrees from vertical. Drill a +/-1050' horizontal lateral (azimuth 246.4 degrees). The end point will be +/-7143' MD, +/-6070' TVD and +/-1200' vertical section.

e) Foam/acid wash both horizontal laterals using a coiled tubing unit and 20 gallons/foot 15% HCl. The whipstock will be retrieved before acidizing the second lateral. 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. Set a 5-1/2" cement retainer at 5890'. Cement squeeze existing perforations with 100 sacks cement. TIH with a 5-1/2", 15.5#/ft TIW or Smith full bore packer on wireline and set the packer on top of the cement retainer at +/-5890'. Correlate the casing collars with the production logs (casing collar at 5861' & 5828'). TOOH.

2. TIH with the orientation lug and gyro survey tool and tag the packer. 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 wireline measurement. Seat into the riser slot for orientation. Re-set the gyro several times until a consistent azimuth is reached. TOOH.

3. Pick up the latch, debris sub and retrievable whipstock. Tighten to the required torque. Make up the whipstock assembly over the hole and back off the spline sleeve (this tool has 72 splines with increments of 5 degrees) on the latch assembly. Stretch a string from the whipstock lug to the compass card at the latch. Orient the azimuth of the packer slot to the key on the latch assembly. Once the latch assembly has been aligned, orient the whipstock face to the desired (105 degrees) azimuth. Set the shear pins (5000 #'s per pin) for the required release on the latch.

4. Pick up the whipstock assembly using the lifting clevis. Snub into the rotary. Install the starting mill assembly on the whipstock. TIH slowly (no speed records). Record the weight of the assembly prior to stacking out on the packer. Lower the assembly until weight loss is observed. Do not exceed the shear pin requirements! Pick up and pull 5-8000 pounds to verify the latch is set (do not exceed the shear pin requirements). Shear off the starting mill.

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 watermellon 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	6015'
Measured Depth	6082'
Final Angle	88.13 degrees
Target Azimuth	104.8 degrees
Build Rate	45.81 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" PDC bit, 3-3/4" articulated motor, float sub/orienter combo, 2 - flexible monel collars and 2-7/8" AOH drill pipe.

4. Drill +/-1380' of horizontal hole per the attached Scientific well plan.

5. Continue drilling the horizontal section per the Texaco Engineer (Kevin Hickey 915-688-2950, home 915-684-8136) recommendations.

6. Trip out of the hole with the drilling assembly.

7. TIH and retrieve the whipstock. TOOH. TIH with the latch, +/-40' space out assembly (drill collars and stabilizer), debris sub and another retrievable 3 degree whipstock (top of window at +/-5833', bottom of window at +/-5840', collar 5828'). Repeat steps 2-7 (production hole) and steps 1-5 (horizontal hole). Build, the curve to estimated target depths and angles as follows:

True Vertical Depth	6010'
Measured Depth	6093'
Final Angle	86.73 degrees
Target Azimuth	246.4 degrees
Build Rate	35.75 degrees/100'

8. Trip in the hole with the lateral drilling assembly. Drill the lateral per Scientific Drilling's well plan. TOOH with the drilling assembly. Set a wireline set, tubing retrievable bridge plug for 5-1/2", 15.5#/ft casing at +/- 5500'. Test plug to 1000 psi.

9. Lay down the drill pipe.

10. 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 coiled tubing and foam/acid wash each lateral. The whipstock will be retrieved after acidizing the first lateral. Use a bent joint to orient into the lower lateral.

4. Flow back immediately.

5. Place on production.

Scientific Drilling
Planning Report

EAST LATERAL

Company:	Texaco E & P, Inc.	**Date:**	7/19/1999	**Time:** 14:25:30	**Page:** 1
Field:	Vacuum Glorieta West Unit	**Co-ordinate(NE) Reference:**	Site: Lea County, New Mexico, True North		
Site:	Lea County, New Mexico	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level		
Well:	VGWU #126	**Section (VS) Reference:**	Site (0.0E,0.0N,104.8Azi)		
Wellpath:	OH Original hole	**Plan:**	Plan #1		

Field: Vacuum Glorieta West Unit

Map Projection & Zone: US State Plane Coordinate System 1927 New Mexico, Eastern Zone

Ellipsoid: Clarke - 1866

Field Datum: Mean Sea Level

Local Coordinate Reference: Site Centre
Location of Field Centre: N/A
Field Centre Map Easting: ft
Field Centre Map Northing: ft
Direction of Local North: True

Local Vertical Reference: Wellpath Datum

Geomagnetic Model: IGRF95

Site: Lea County, New Mexico

Site Centre: 796343.00 ft E, 649720.00 ft N

32 46 56.842 N **Latitude**
103 22 8.822 W **Longitude**

Site Water Depth: 0.0 ft

Magnetic Declination: 8.99 deg
Grid Convergence: 0.52 deg

Measured Depths Referenced To: SITE 0.0 ft above Mean Sea Level

Well: VGWU #126

Originating From: 0.0 ft +N/-S, 0.0 ft +E/-W

Map Easting : 796343.00 ft
Map Northing: 649720.00 ft

Wellpath: OH Original hole

Origin of Vertical Section: Site Centre 0.0 ft +N/-S, 0.0 ft +E/-W

Direction of Vertical Section: 104.80 deg

Plan: Plan #1

Date Composed: 7/19/1999
Version: 1

Principal: Yes

Locked: No

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg	Target
5500.0	0.00	104.80	5500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5890.0	0.00	104.80	5890.0	0.0	0.0	0.00	0.00	0.00	0.00	
6082.1	88.00	104.80	6015.0	-30.8	116.7	45.81	45.81	0.00	0.00	
6084.3	88.13	104.80	6015.1	-31.4	118.8	6.00	6.00	0.07	0.71	
7462.1	88.13	104.80	6060.0	-383.2	1450.2	0.00	0.00	0.00	0.00	East Lateral

Section 1 : Straight MD Part 1 Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5500.0	0.00	104.80	5500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5600.0	0.00	104.80	5600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5700.0	0.00	104.80	5700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5800.0	0.00	104.80	5800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5890.0	0.00	104.80	5890.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Section 2 : Inc Azi TVD Part 1 Build 45.81

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5900.0	4.58	104.80	5900.0	-0.1	0.4	0.4	45.81	45.81	0.00	0.00
5910.0	9.16	104.80	5909.9	-0.4	1.5	1.6	45.81	45.81	0.00	0.00

Scientific Drilling
Planning Report

Company:	Texaco E & P, Inc.	**Date:** 7/19/1999 **Time:** 14:25:30 **Page:** 2	
Field:	Vacuum Glorieta West Unit	**Co-ordinate(NE) Reference:**	Site: Lea County, New Mexico, True North
Site:	Lea County, New Mexico	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level
Well:	VGWU #126	**Section (VS) Reference:**	Site (0.0E,0.0N,104.8Azi)
Wellpath:	OH Original hole	**Plan:**	Plan #1

Section 2 : Inc Azi TVD Part 1 Build 45.81

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5920.0	13.74	104.80	5919.7	-0.9	3.5	3.6	45.81	45.81	0.00	0.00
5930.0	18.32	104.80	5929.3	-1.6	6.1	6.3	45.81	45.81	0.00	0.00
5940.0	22.90	104.80	5938.7	-2.5	9.5	9.9	45.81	45.81	0.00	0.00
5950.0	27.49	104.80	5947.7	-3.6	13.6	14.1	45.81	45.81	0.00	0.00
5960.0	32.07	104.80	5956.4	-4.9	18.4	19.1	45.81	45.81	0.00	0.00
5970.0	36.65	104.80	5964.7	-6.3	23.9	24.7	45.81	45.81	0.00	0.00
5980.0	41.23	104.80	5972.4	-7.9	30.0	31.0	45.81	45.81	0.00	0.00
5990.0	45.81	104.80	5979.7	-9.7	36.6	37.9	45.81	45.81	0.00	0.00
6000.0	50.39	104.80	5986.4	-11.6	43.8	45.3	45.81	45.81	0.00	0.00
6010.0	54.97	104.80	5992.4	-13.6	51.5	53.3	45.81	45.81	0.00	0.00
6020.0	59.55	104.80	5997.8	-15.8	59.6	61.7	45.81	45.81	0.00	0.00
6030.0	64.13	104.80	6002.5	-18.0	68.2	70.5	45.81	45.81	0.00	0.00
6040.0	68.71	104.80	6006.5	-20.4	77.0	79.7	45.81	45.81	0.00	0.00
6050.0	73.29	104.80	6009.8	-22.8	86.2	89.1	45.81	45.81	0.00	0.00
6060.0	77.87	104.80	6012.3	-25.2	95.5	98.8	45.81	45.81	0.00	0.00
6070.0	82.46	104.80	6014.0	-27.8	105.0	108.7	45.81	45.81	0.00	0.00
6080.0	87.04	104.80	6014.9	-30.3	114.7	118.6	45.81	45.81	0.00	0.00
6082.1	88.00	104.80	6015.0	-30.8	116.7	120.7	45.81	45.81	0.00	0.00

Section 3 : DT5 CH Tang Part 1 Build 6.00

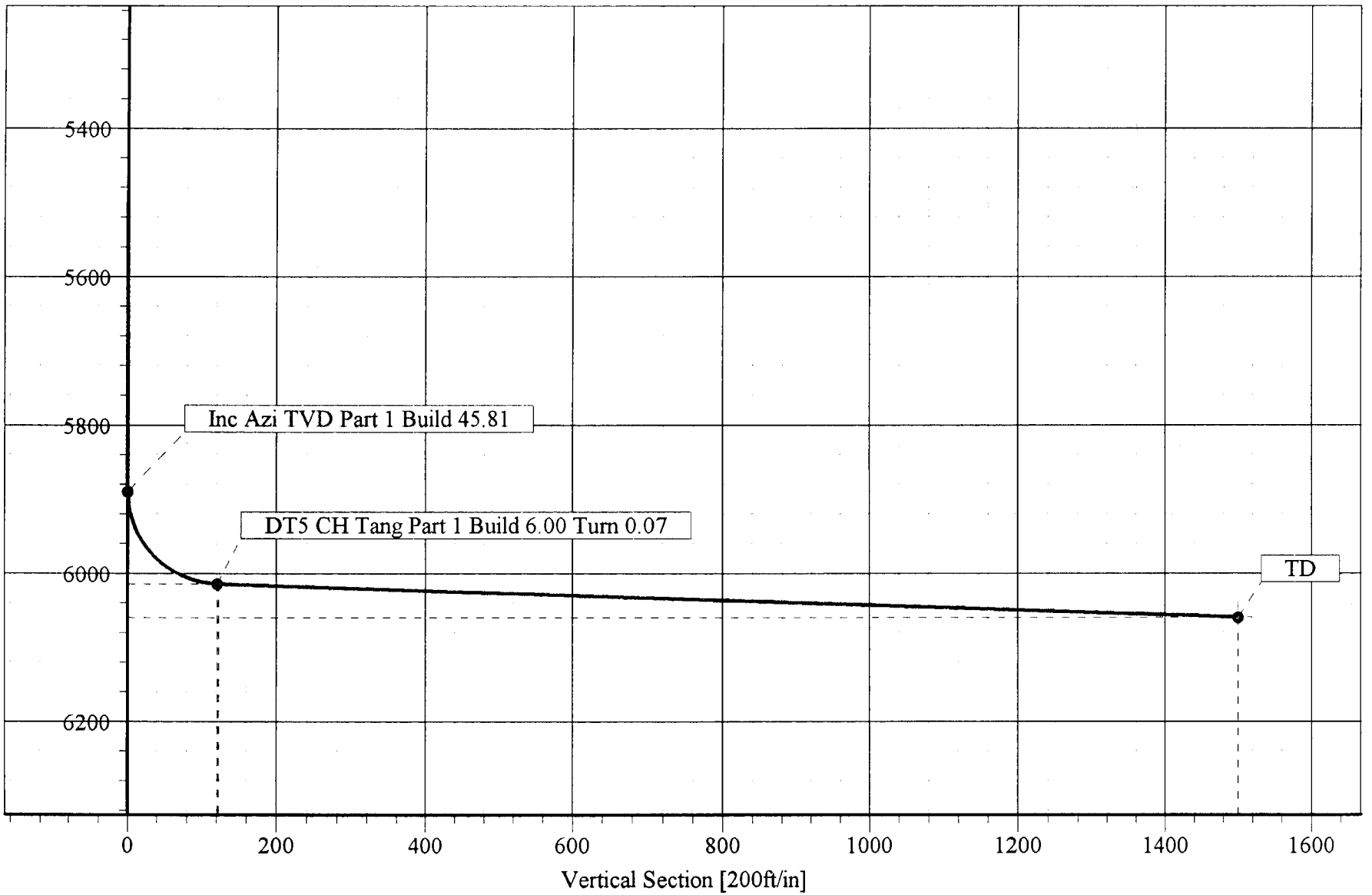
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6084.3	88.13	104.80	6015.1	-31.4	118.8	122.9	6.00	6.00	0.07	0.71

Section 4 : DT5 CH Tang Part 2 Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6100.0	88.13	104.80	6015.6	-35.4	134.0	138.6	0.00	0.00	0.00	180.00
6200.0	88.13	104.80	6018.8	-60.9	230.6	238.5	0.00	0.00	0.00	180.00
6300.0	88.13	104.80	6022.1	-86.5	327.3	338.5	0.00	0.00	0.00	180.00
6400.0	88.13	104.80	6025.4	-112.0	423.9	438.4	0.00	0.00	0.00	180.00
6500.0	88.13	104.80	6028.6	-137.5	520.5	538.4	0.00	0.00	0.00	180.00
6600.0	88.13	104.80	6031.9	-163.1	617.2	638.3	0.00	0.00	0.00	180.00
6700.0	88.13	104.80	6035.2	-188.6	713.8	738.3	0.00	0.00	0.00	180.00
6800.0	88.13	104.80	6038.4	-214.1	810.4	838.2	0.00	0.00	0.00	180.00
6900.0	88.13	104.80	6041.7	-239.7	907.0	938.2	0.00	0.00	0.00	180.00
7000.0	88.13	104.80	6044.9	-265.2	1003.7	1038.1	0.00	0.00	0.00	180.00
7100.0	88.13	104.80	6048.2	-290.7	1100.3	1138.1	0.00	0.00	0.00	180.00
7200.0	88.13	104.80	6051.5	-316.3	1196.9	1238.0	0.00	0.00	0.00	180.00
7300.0	88.13	104.80	6054.7	-341.8	1293.6	1338.0	0.00	0.00	0.00	180.00
7400.0	88.13	104.80	6058.0	-367.3	1390.2	1437.9	0.00	0.00	0.00	180.00
7462.1	88.13	104.80	6060.0	-383.2	1450.2	1500.0	0.00	0.00	0.00	180.00

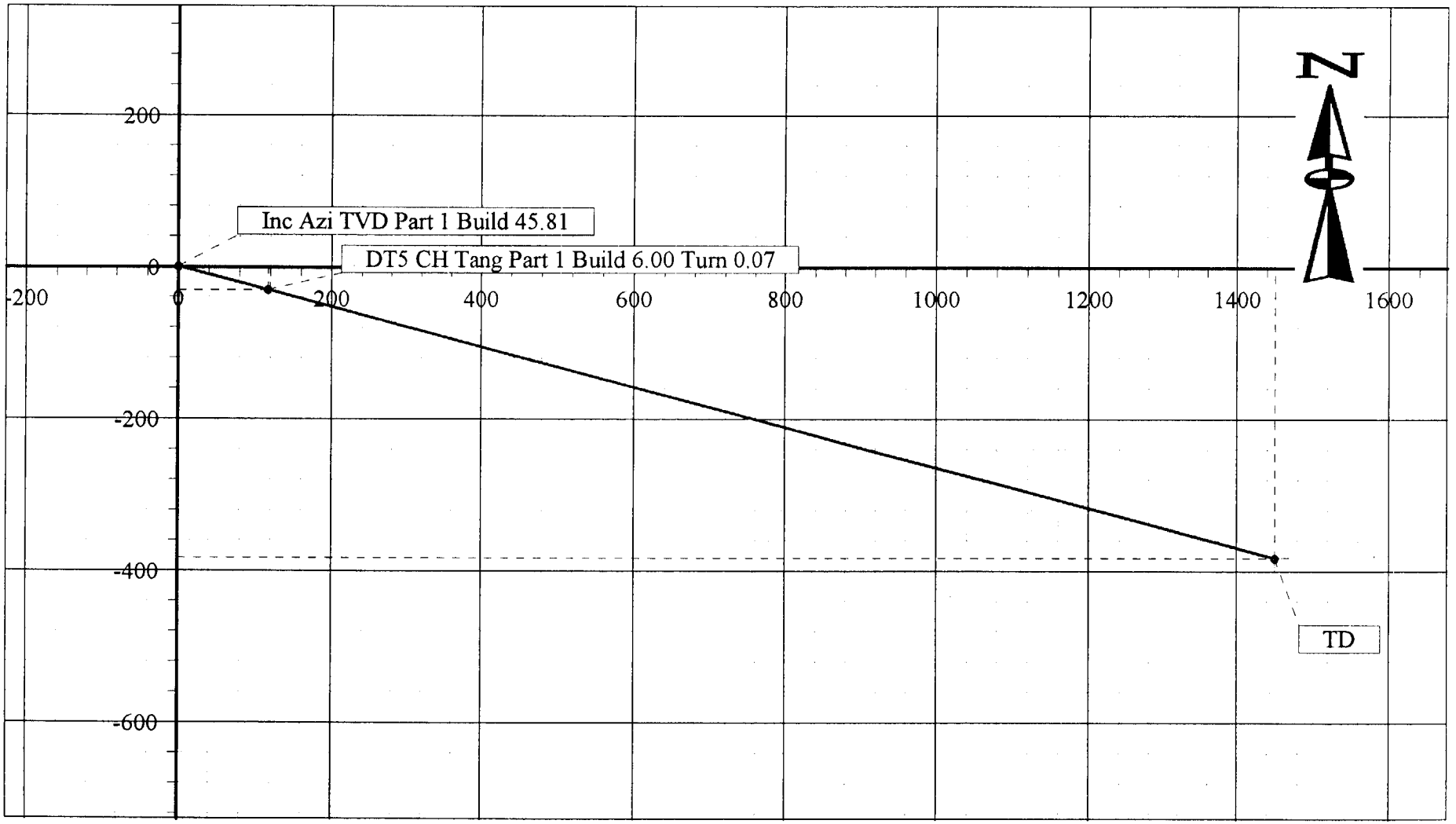
Scientific Drilling

Texaco E & P, Inc.
Field: Vacuum Glorieta West Unit
Site: Lea County, New Mexico
Well: VGWU #126
Wellpath: OH Original hole
Plan: Plan #1



Scientific Drilling

Texaco E & P, Inc.
Field: Vacuum Glorieta West Unit
Site: Lea County, New Mexico
Well: VGWU #126
Wellpath: OH Original hole
Plan: Plan #1



Scientific Drilling
Planning Report

Company:	Texaco E & P, Inc.	**Date:** 7/19/1999 **Time:** 14:57:48 **Page:** 1	
Field:	Vacuum Glorieta West Unit	**Co-ordinate(NE) Reference:**	Site: Lea County, New Mexico, True North
Site:	Lea County, New Mexico	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level
Well:	VGWU #126	**Section (VS) Reference:**	Site (0.0E,0.0N,246.4Azi)
Wellpath:	West Lateral	**Plan:**	West Lateral

Field: Vacuum Glorieta West Unit

Map Projection & Zone: US State Plane Coordinate System 1927 New Mexico, Eastern Zone

Ellipsoid: Clarke - 1866

Field Datum: Mean Sea Level

Local Coordinate Reference: Site Centre
Location of Field Centre: N/A
Field Centre Map Easting: ft
Field Centre Map Northing: ft
Direction of Local North: True

Local Vertical Reference: Wellpath Datum

Geomagnetic Model: IGRF95

Site: Lea County, New Mexico

Site Centre: 796343.00 ft E — 32 46 56.842 N **Latitude**
649720.00 ft N — 103 22 8.822 W **Longitude**

Site Water Depth: 0.0 ft

Magnetic Declination: 8.99 deg
Grid Convergence: 0.52 deg

Measured Depths Referenced To: SITE 0.0 ft **above** Mean Sea Level

Well: VGWU #126

Originating From: 0.0 ft +N/-S, 0.0 ft +E/-W
Map Easting : 796343.00 ft
Map Northing: 649720.00 ft

Wellpath: West Lateral

Origin of Vertical Section: Site Centre 0.0 ft +N/-S, 0.0 ft +E/-W

Direction of Vertical Section: 246.40 deg

Plan: West Lateral
Date Composed: 7/19/1999
Version: 1

Principal: Yes
Locked: No

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg	Target
5500.0	0.00	246.40	5500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5850.0	0.00	246.40	5850.0	0.0	0.0	0.00	0.00	0.00	0.00	
6092.5	86.70	246.40	6010.0	-60.5	-138.4	35.75	35.75	0.00	0.00	
6093.0	86.73	246.40	6010.0	-60.6	-138.8	6.00	5.98	0.53	5.09	
7143.2	86.73	246.40	6070.0	-480.4	-1099.7	0.00	0.00	0.00	0.00	Toe west 126

Section 1 : Straight MD Part 1 Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5500.0	0.00	246.40	5500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5600.0	0.00	246.40	5600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5700.0	0.00	246.40	5700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5800.0	0.00	246.40	5800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5850.0	0.00	246.40	5850.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Section 2 : Inc Azi TVD Part 1 Build 35.75

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5860.0	3.58	246.40	5860.0	-0.1	-0.3	0.3	35.75	35.75	0.00	0.00
5870.0	7.15	246.40	5869.9	-0.5	-1.1	1.2	35.75	35.75	0.00	0.00

Scientific Drilling
Planning Report

Company:	Texaco E & P, Inc.	**Date:**	7/19/1999	**Time:** 14:57:48	**Page:** 2
Field:	Vacuum Glorieta West Unit	**Co-ordinate(NE) Reference:**	Site: Lea County, New Mexico, True North		
Site:	Lea County, New Mexico	**Vertical (TVD) Reference:**	SITE 0.0 above Mean Sea Level		
Well:	VGWU #126	**Section (VS) Reference:**	Site (0.0E,0.0N,246.4Azi)		
Wellpath:	West Lateral	**Plan:**	West Lateral		

Section 2 : Inc Azi TVD Part 1 Build 35.75

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5880.0	10.73	246.40	5879.8	-1.1	-2.6	2.8	35.75	35.75	0.00	0.00
5890.0	14.30	246.40	5889.6	-2.0	-4.6	5.0	35.75	35.75	0.00	0.00
5900.0	17.88	246.40	5899.2	-3.1	-7.1	7.7	35.75	35.75	0.00	0.00
5910.0	21.45	246.40	5908.6	-4.4	-10.2	11.1	35.75	35.75	0.00	0.00
5920.0	25.03	246.40	5917.8	-6.0	-13.8	15.0	35.75	35.75	0.00	0.00
5930.0	28.60	246.40	5926.7	-7.8	-17.9	19.6	35.75	35.75	0.00	0.00
5940.0	32.18	246.40	5935.3	-9.9	-22.6	24.6	35.75	35.75	0.00	0.00
5950.0	35.75	246.40	5943.6	-12.1	-27.7	30.2	35.75	35.75	0.00	0.00
5960.0	39.33	246.40	5951.6	-14.5	-33.3	36.3	35.75	35.75	0.00	0.00
5970.0	42.90	246.40	5959.1	-17.2	-39.3	42.9	35.75	35.75	0.00	0.00
5980.0	46.48	246.40	5966.2	-20.0	-45.7	49.9	35.75	35.75	0.00	0.00
5990.0	50.05	246.40	5972.9	-23.0	-52.6	57.4	35.75	35.75	0.00	0.00
6000.0	53.63	246.40	5979.0	-26.1	-59.8	65.2	35.75	35.75	0.00	0.00
6010.0	57.20	246.40	5984.7	-29.4	-67.3	73.5	35.75	35.75	0.00	0.00
6020.0	60.78	246.40	5989.9	-32.8	-75.2	82.0	35.75	35.75	0.00	0.00
6030.0	64.35	246.40	5994.5	-36.4	-83.3	90.9	35.75	35.75	0.00	0.00
6040.0	67.93	246.40	5998.5	-40.0	-91.7	100.0	35.75	35.75	0.00	0.00
6050.0	71.50	246.40	6002.0	-43.8	-100.3	109.4	35.75	35.75	0.00	0.00
6060.0	75.08	246.40	6004.9	-47.6	-109.0	119.0	35.75	35.75	0.00	0.00
6070.0	78.65	246.40	6007.1	-51.5	-118.0	128.7	35.75	35.75	0.00	0.00
6080.0	82.23	246.40	6008.8	-55.5	-127.0	138.6	35.75	35.75	0.00	0.00
6090.0	85.80	246.40	6009.8	-59.5	-136.1	148.5	35.75	35.75	0.00	0.00
6092.5	86.70	246.40	6010.0	-60.5	-138.4	151.0	35.75	35.75	0.00	0.00

Section 3 : DT5 CH Tang Part 1 Build 5.98

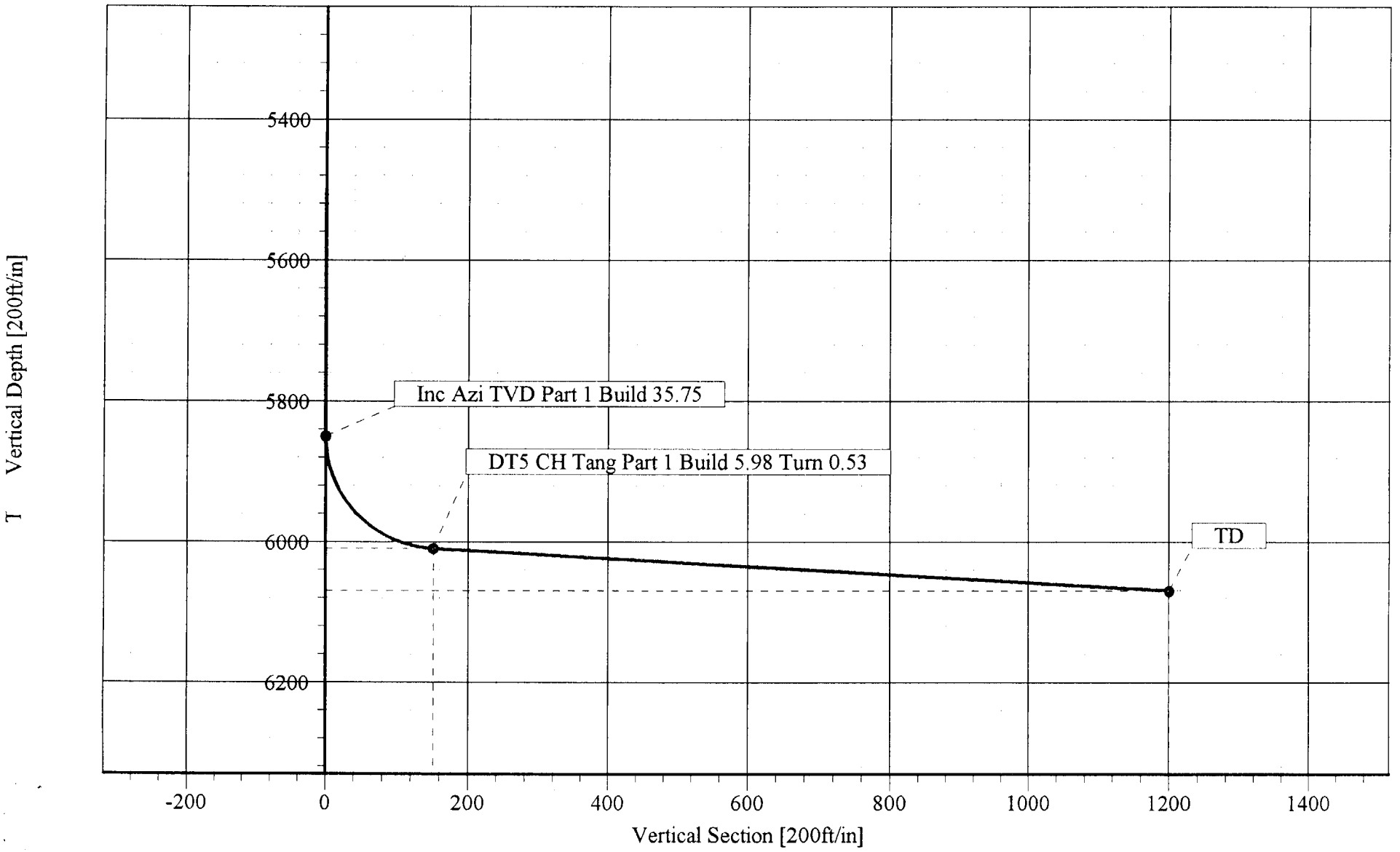
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6093.0	86.73	246.40	6010.0	-60.6	-138.8	151.5	6.00	5.98	0.53	5.09

Section 4 : DT5 CH Tang Part 2 Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6100.0	86.73	246.40	6010.4	-63.5	-145.3	158.5	0.00	0.00	0.00	180.00
6200.0	86.73	246.40	6016.1	-103.4	-236.7	258.4	0.00	0.00	0.00	180.00
6300.0	86.73	246.40	6021.8	-143.4	-328.2	358.2	0.00	0.00	0.00	180.00
6400.0	86.73	246.40	6027.6	-183.4	-419.7	458.0	0.00	0.00	0.00	180.00
6500.0	86.73	246.40	6033.3	-223.3	-511.2	557.9	0.00	0.00	0.00	180.00
6600.0	86.73	246.40	6039.0	-263.3	-602.7	657.7	0.00	0.00	0.00	180.00
6700.0	86.73	246.40	6044.7	-303.3	-694.2	757.5	0.00	0.00	0.00	180.00
6800.0	86.73	246.40	6050.4	-343.2	-785.7	857.4	0.00	0.00	0.00	180.00
6900.0	86.73	246.40	6056.1	-383.2	-877.2	957.2	0.00	0.00	0.00	180.00
7000.0	86.73	246.40	6061.8	-423.2	-968.7	1057.0	0.00	0.00	0.00	180.00
7100.0	86.73	246.40	6067.5	-463.1	-1060.1	1156.9	0.00	0.00	0.00	180.00
7143.2	86.73	246.40	6070.0	-480.4	-1099.7	1200.1	0.00	0.00	0.00	180.00

Scientific Drilling

Texaco E & P, Inc.
Field: Vacuum Glorieta West Unit
Site: Lea County, New Mexico
Well: VGWU #126
Wellpath: West Lateral
Plan: West Lateral



Scientific Drilling

Texaco E & P, Inc.
Field: Vacuum Glorieta West Unit
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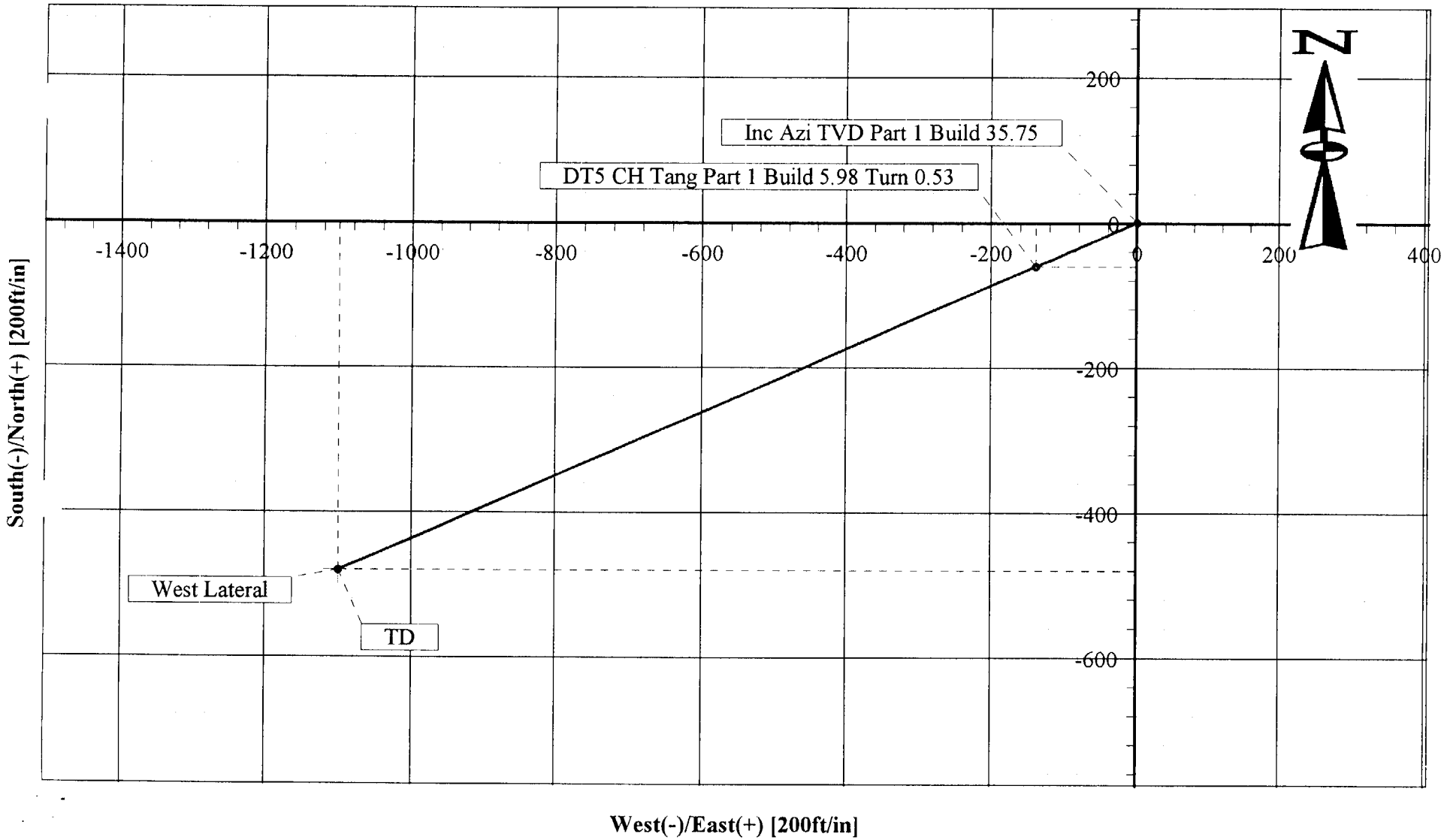
Plan: West Lateral



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-102
Revised February 10,1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025-21031	62160	VACUUM GLORIETA

4 Property Code	5 Property Name	6 Well No.
11125	VACUUM GLORIETA WEST UNIT	126

7 OGRID Number	8 Operator Name	9 Elevation
022351	TEXACO EXPLORATION & PRODUCTION INC.	

10 Surface Location

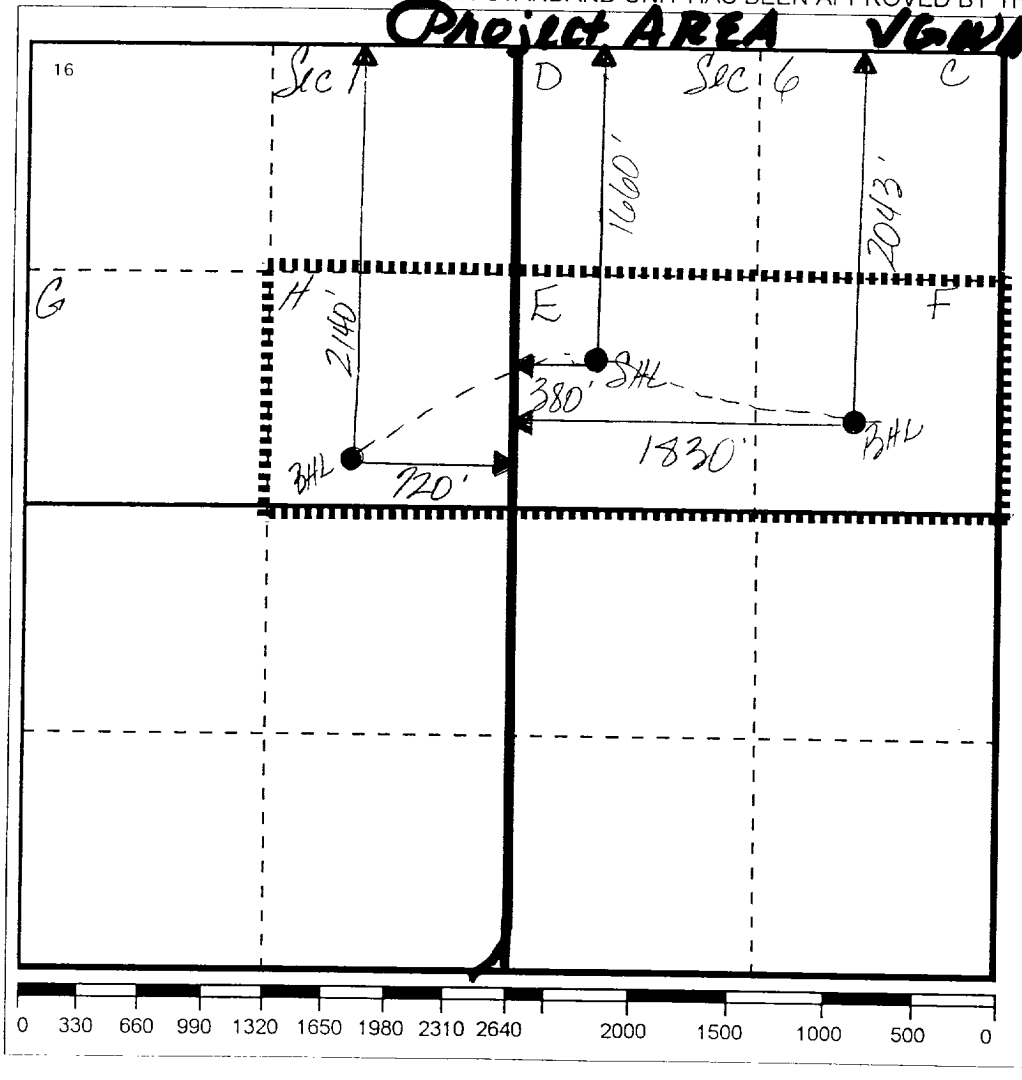
Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
E	6	18S	35E		1660	NORTH	380	WEST	LEA

11 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
J/H	6/1	18 S	35E		2043/2140	N/N	1830/720	W/E	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
120	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



17 OPERATOR CERTIFICATION

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

Signature: J. Denise Leake
Printed Name: J. Denise Leake
Position: Engineering Assistant
Date: 08/31/1999

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.

DeSoto/Nichols 3/94 ver 1.10

J