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

3/20/00

Telephone

397-0405

Date

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-10 i Revised February 10,199

Instructions on back

Submit to Appropriate District Offic

State Lease - 6 Copie Fee Lease - 5 Copie

P.O. Box 2088		NM 87504-2088 PLICATION F					ER, DEEPEN, PI				DED REPORT			
		Ope	erator Name	and Addres			 			² OGR	RID Number			
TEXACO EX	XPLORATIO	ION & PRODU	CTION INC.	•							2351			
205 E. Bend	der, HOBBS	S, NM 88240								3 API Nu 30-025	lumber 5-20270			
4 F	Property Code	e				Property	Name ETA WEST UNIT				Vell No.			
<u> </u>					7	ice Loc					90			
UI or lot no	Section	Township	Range	Lot.ldn	Feet From	n The	North/South Line	Feet From The	East/We	1	County			
L	31	178	35E		2130		SOUTH	660	WE	:ST	LEA			
				1	,		n If Different From				·			
Ul or lot no	Section 36	Township 17S	Range 34E	Lot.idn	Feet From		North/South Line	Feet From The	East/We	est Line	County			
		9 Proposed		L	(1a)	,	JOUTH	10 Proposed Po	\ C\(\rightarrow\)	457	LEA			
		VACUUM G						Flupueuu i J.	31 Z					
11 18/2-1			12 MAGUET 0		13		14 .							
VVork	Type Code		12 WellType Co	ode	Rotary o		'- Lea	ase Type Code S	¹⁵ Gr	¹⁵ Ground Level Elevation 3982' GR				
16 Multi	ple	17	¹⁷ Proposed De	epth	¹⁸ Format	ition	19 C	Contractor		²⁰ Spud				
	No .		6104 MD		GLORIE	£TA				5/1/00				
						and (Cement Progran	m						
SIZE OF	: HOLE		CASING		T PER FOOT		SETTING DEPTH	SACKS OF	F CEMENT		EST. TOP			
	·	7"		23#		27!	751'							
				-		_								
				T										
Describe the i	blowout preven	ntion program, if an	ny. Use additiona	ial sheets if nece	essary.		resent productive zoneand							
					<u>. </u>			pires 1 Year Unless Drillin Plug-		erway	Vai			
Division have	e been complie	es and regulations o ed with and that the best of my knowled	information give				OIL C	CONSERVA	ΓΙΟΝ D	IVISIC	ON			
Signature (J.d	Ien 15e	N.	ake	_	At	oproved By:	AL S'GNED B	¥					
Printed Name	e J. [Denise Leake				Ti	itle: 632	LOPER H	•					
Title Eng	gineering As	ssistant				A	Approval Date () 6 2000 Expiration Date:							

Conditions of Approval:

Expiration Date:

OVERVIEW

The Vacuum Glorieta West Unit #90 well (formerly the Santa Fe #87) is currently completed in the Glorieta formation. The well was drilled in 1964 to a TD of 10,500'. The well is perforated from 5966'-6136'. It has 7" 23# casing in the interval of interest. It is proposed to drill a +/-1350 foot lateral at 270 degrees in the Glorieta formation. The basic well plan is as follows:

- a) TOOH with the pump and tubing. Run a casing scraper to 6100'. Set a 7" cement retainer at +/-5957'. Squeeze existing perforations, cap with 5' of cement and pressure test to 1000 psi. TIH with a 3 degree bottom trip whipstock (casing collar at +/-???', top of window +/-5933', bottom of window +/-5940'). Attached is a correlation log.
- b) Drill a short radius curve using a 4-3/4" bit to a measured depth of +/-6104' (TVD +/-6040') with a 270 degree azimuth. The final angle will be 93.66 degrees from vertical. Drill +/-1243' horizontal section. The end point will be +/-7350' MD, +/-5960' TVD and +/-1350' vertical section.
- d) Stimulate using ported subs and 60 gallons/foot 20% HCl. 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 6100'. Set a 7" cement retainer at 5957'. Establish injection rate. Squeeze Glorieta perforations 5966'—6136' with 150 sacks of Class "H" cement containing 0.3% D156 fluid loss and 0.4% D65 dispersant followed by 100 sacks of Class "H" neat cement (15.6 ppg). Pump at less than 2 BPM, slowing to 0.5 BPM at the end of the job (no hesitation). TOOH. TIH and polish off cement top to ±5952'. Pressure test the squeeze to 1000 psi. TOOH. Correlate the casing collars with the production logs (casing collar at ???' & ???'). TOOH.
- 2. 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 270 degrees). Lower the pipe to within one foot of the RBP 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	6040'
Measured Depth	6104'
Final Angle	
Target Azimuth	
Build Rate	

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" insert bit, 3-3/4" articulated motor, float sub/orienter combo, 2 flexible monel collars and 2-7/8" AOH drill pipe.
- 4. Drill +/-1243' 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. Set a wireline set, tubing retrievable bridge plug for 7" casing at +/- 5850'. 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.
- 4. Rig up Dowell. Acidize the horizontal lateral. The acid job will be done down 3-1/2" tubing in the vertical portion with a packer set 100' above the window. Below the packer, the string will consist of 2-7/8" PH-6 tubing and ported subs.
- 5. Flow back immediately. Flow/swab test for 12 hours. TOOH with frac string. TIH with production string.
- 6. 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 from the Vacuum fresh water supply well.
- c) No hydrogen sulfide is expected, but H2S detection equipment is to be installed.

MUD PROGRAM:

Interval	Type	Weight	Viscosity	Remarks
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 Kevin Hickey at (915) 688-2950 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 5950'- 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:

No logs are anticipated.

CASING PROPERTIES

	DEPTH	BURST Rated (70%)		COLLAPSI Rated (70%		
7", 23#, N-80	0-2751'	6340	4438	3830	2681	1000
7", 23#, J-55	2751'-7653'	4360	3052	3270	2289	1000

Current PBTD is 6340'.

Scientific Drilling

Planning Report

Plan:

Company: Texaco E & P, Inc. Field:

Vacuum Glorieta West Unit

Site:

Lea County, New Mexico

Well: VGWU #90 Wellpath: OH Original hole Date: 01/25/2000

Time: 11:17:08

Page:

Co-ordinate(NE) Reference: Site: Lea County, New Mexico, Grid North SITE 0.0 above Mean Sea Level

Vertical (TVD) Reference: Section (VS) Reference:

Site (0.0E,0.0N,270.0Azi)

Plan #1

Field: Vacuum Glorieta West Unit

Local Coordinate Reference:

Location of Field Centre:

N/A

Field Centre Map Easting:

Field Centre Map Northing: **Direction of Local North:**

ft ft

Map Projection & Zone: US State Plane Coordinate System 1927

New Mexico, Eastern Zone

Grid

Site Centre

Ellipsoid: Clarke - 1866

Local Vertical Reference:

Wellpath Datum

Field Datum: Mean Sea Level

Geomagnetic Model:

IGRF95

Site: Lea County, New Mexico

Site Centre:

750286.00 ft

653219.00 ft

32 103 31

35.293 N 7.940 W Latitude Longitude

Site Water Depth: 0.0 ft

Magnetic Declination: 8.99 deg

Measured Depths Referenced To: SITE

Grid Convergence:

0.44 deg

0.0 ft above

Mean Sea Level

Well: VGWU #90

Originating From:

0.0 ft +N/-S0.0 ft +E/-W Map Easting:

750286.00 ft

Map Northing: 653219.00 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:

270.00 deg

Date Composed:

Version:

01/25/2000

Principal: Yes

Plan: Plan #1

Locked: No

Plan Section Information

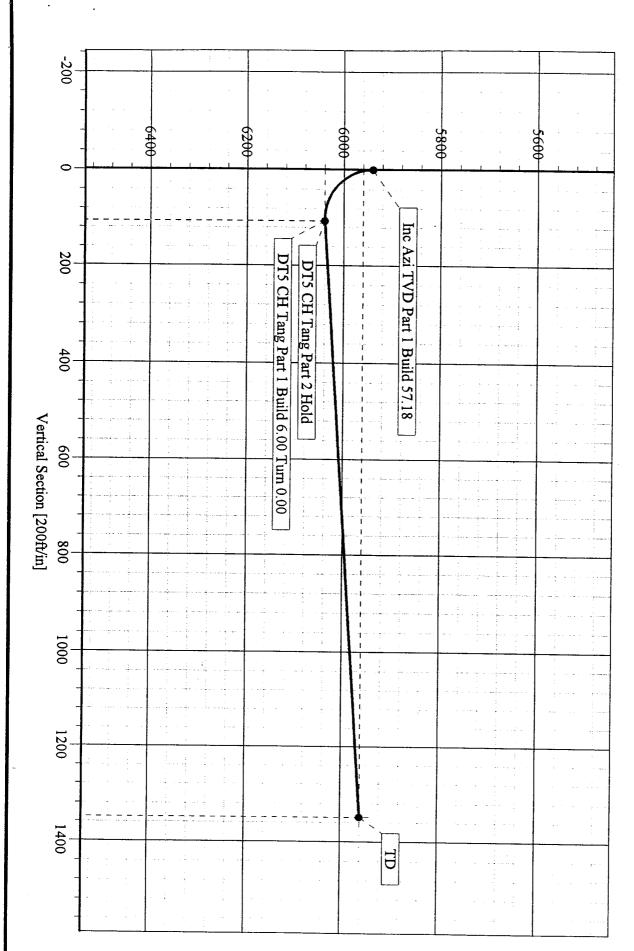
MD ft	Incl deg		TVD ft	+N/-S ft			Build d/100ft	Turn d/100ft	The state of the s
5940.0	0.00	270.00	5940.0	0.0	0.0	0.00	0.00	0.00	0.00
6103.8	93.66	270.00	6040.0	0.0	-106.6	57.18	57.18	0.00	0.00
6104.2	93.68	270.00	6040.0	0.0	-107.0	6.00	6.00	0.00	0.01
7349.8	93.68	270.00	5960.0	0.0	-1350.0	0.00	0.00	0.00	0.00 90-1350

Section 1: Inc Azi TVD Part 1 Build 57.18

MD ft	Inci deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg	
5940.0	0.00	270.00	5940.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5950.0	5.72	270.00	5950.0	0.0	-0.5	0.5	57.18	57.18	0.00	0.00	
5960.0	11.44	270.00	5959.9	0.0	-2.0	2.0	57.18	57.18	0.00	0.00	
5970.0	17.15	270.00	5969.6	0.0	-4.5	4.5	57.18	57.18	0.00	0.00	
5980.0	22.87	270.00	5978.9	0.0	-7.9	7.9	57.18	57.18	0.00	0.00	
5990.0	28.59	270.00	5988.0	0.0	-12.2	12.2	57.18	57.18	0.00	0.00	
6000.0	34.31	270.00	5996.5	0.0	-17.4	17.4	57.18	57.18	0.00	0.00	
6010.0	40.03	270.00	6004.4	0.0	-23.5	23.5	57.18	57.18	0.00	0.00	
6020.0	45.74	270.00	6011.8	0.0	-30.3	30.3	57.18	57.18	0.00	0.00	
6030.0	51.46	270.00	6018.4	0.0	-37.8	37.8	57.18	57.18	0.00	0.00	
6040.0	57.18	270.00	6024.2	0.0	-45.9	45.9	57.18	57.18	0.00	0.00	j
6050.0	62.90	270.00	6029.2	0.0	-54.6	54.6	57.18	57.18	0.00	0.00	
6060.0	68.61	270.00	6033.3	0.0	-63.7	63.7	57.18	57.18	0.00	0.00	

Scientific Drilling Planning Report

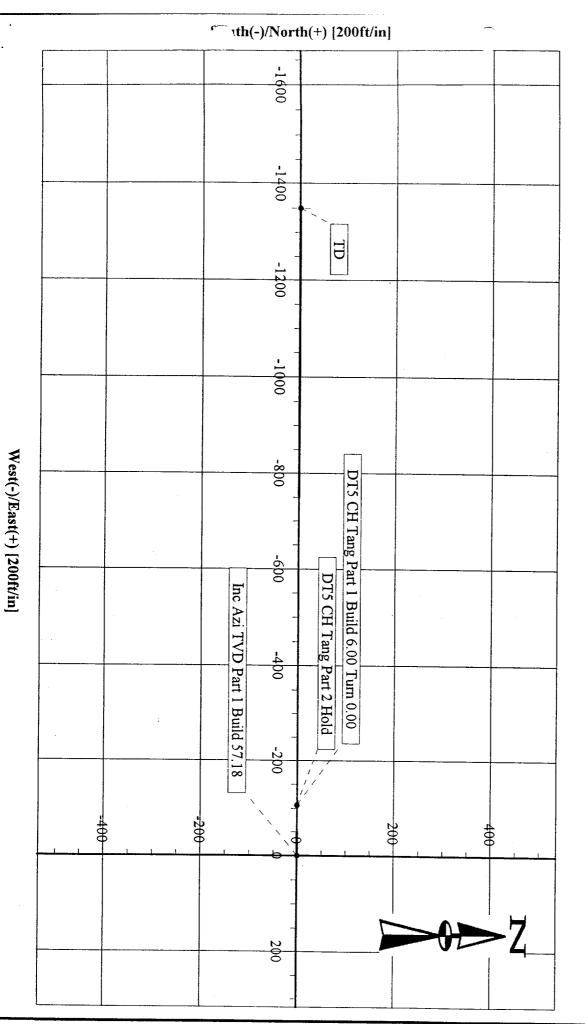
Field; Site: Well: Wellpath:	Texaco E & F Vacuum Glor Lea County, I VGWU #90 OH Original I	ieta West U New Mexico			C V S) Reference:	ce: Site: Le	0.0 above M .0E,0.0N,2	Page: 2 New Mexico, Grid North fean Sea Level 70.0Azi)
Section	1 : Inc Azi TV	D Part 1 Bu	uild 57.18							
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
6070.0	74.33	270.00	6036.5	0.0	-73.1	73.1	57.18	57.18	0.00	0.00
6080.0	80.05	270.00	6038.7	0.0	-82.9	82.9	57.18	57.18	0.00	0.00
6090.0	85.77	270.00	6039.9	0.0	-92.8	92.8	57.18	57.18	0.00	0.00
6100.0	91.49	270.00	6040.2	0.0	-102.8	102.8	57.18	57.18	0.00	0.00
6103.8	93.66	270.00	6040.0	0.0	-106.6	106.6	57.18	57.18	0.00	0.00
ft	deg	deg	ft	ft	ft	ft	11/1000	14000	114000	The second of th
6104.2	93.68	270.00	6040.0	0.0	-107.0	107.0	d/100ft 6.00	d/100ft 6.00	d/100ft 0.00	0.01
Section	3 : DT5 CH Ta	ang Part 2 I	lold	0.0				Arms Physical		
Section MD	3: DT5 CH Ta	ang Part 2 l	Hold TVD	0.0 +N/-S	-107.0 +E/-W	107.0	6.00	Arms Physical		
Section MD ft	3: DT5 CH Ta	ang Part 2 l Azim deg	lold	0.0	-107.0	107.0	6.00	6.00	0.00	0.01
Section MD ft 6200.0	3: DT5 CH Ta	Azim deg 270.00	Hold TVD ft 6033.8	0.0 +N/-S	-107.0 +E/-W	107.0	6.00	6.00 Build d/100ft	0.00 Turn d/100ft	0.01 TFO deg
Section MD ft 6200.0 6300.0	3 : DT5 CH Ta Inct deg 93.68 93.68	Azim deg 270.00 270.00	TVD ft 6033.8 6027.4	0.0 +N/-S ft 0.0 0.0	-107,0 +E/-W ft -202.6 -302.4	107.0 VS ft	6.00 DLS d/100ft	6.00 Build	0.00 Turn d/100ft 0.00	0.01 TFO deg 180.00
Section MD ft 6200.0 6300.0 6400.0	3 : DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00	Hold TYD ft 6033.8 6027.4 6021.0	0.0 +N/-S ft 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2	107.0 VS ft 202.6	6.00 DLS d/100ft	6.00 Build d/1,00ft 0.00	0.00 Turn d/100ft	0.01 TFO deg 180.00 180.00
Section MID ft 6200.0 6300.0 6400.0 6500.0	3 : DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00	Hold TYD ft 6033.8 6027.4 6021.0 6014.6	0.0 +N/-S ft 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0	107.0 VS ft 202.6 302.4 402.2 502.0	6.00 DLS d/100ft 0.00 0.00	6.00 Build d/100ft 0.00 0.00	0.00 Turn d/100ft 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00
Section MD ft 6200.0 6300.0 6400.0 6500.0 6600.0	3 : DT5 CH Ta inct deg 93.68 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00 270.00 270.00	TVD ft 6033.8 6027.4 6021.0 6014.6 6008.1	0.0 +N/-S ft 0.0 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0 -601.8	107.0 VS ft 202.6 302.4 402.2 502.0 601.8	6.00 DLS d/100ft 0.00 0.00 0.00	6.00 Build d/100ft 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00
Section MD ft 6200.0 6300.0 6400.0 6500.0 6600.0 6700.0	3 : DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00 270.00 270.00	TVD ft 6033.8 6027.4 6021.0 6014.6 6008.1 6001.7	0.0 +N/-S ft 0.0 0.0 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0 -601.8 -701.6	107.0 VS ft 202.6 302.4 402.2 502.0 601.8 701.6	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6.00 Build d/100ft 0.00 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00 180.00
Section MID ft ft 6200.0 6300.0 6400.0 6600.0 6700.0 6800.0 6800.0	3: DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00	Floid TVD ft 6033.8 6027.4 6021.0 6014.6 6008.1 6001.7 5995.3	0.0 +N/-S ft 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0 -601.8 -701.6 -801.4	107.0 VS ft 202.6 302.4 402.2 502.0 601.8 701.6 801.4	6.00 DLS d/100ft 0.00 0.00 0.00 0.00 0.00 0.00	6.00 Build d/100ft 0.00 0.00 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00 180.00 180.00 180.00
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MID ft 6200.0 6300.0 6400.0 6500.0 6600.0 6700.0 6800.0 6900.0 7000.0	3: DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00	ft 6033.8 6027.4 6021.0 6014.6 6008.1 6001.7 5995.3 5988.9 5982.5	0.0 +N/-S ft 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0 -601.8 -701.6 -801.4 -901.2 -1001.0	107.0 Vs ff 202.6 302.4 402.2 502.0 601.8 701.6 801.4 901.2 1001.0	6.00 DLS d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.00 Build d/1,00ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00 180.00 180.00 180.00 180.00
Section MID ft 6200.0 6300.0 6500.0 6700.0 6800.0 7000.0 7100.0	3: DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00	ft 6033.8 6027.4 6021.0 6014.6 6008.1 6001.7 5995.3 5988.9 5982.5 5976.0	0.0 +N/-S ft 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0 -601.8 -701.6 -801.4 -901.2 -1001.0 -1100.7	107.0 VS ft 202.6 302.4 402.2 502.0 601.8 701.6 801.4 901.2 1001.0 1100.7	6.00 DLS d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.00 Build d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00
Section MD ft 6200.0 6300.0 6400.0 6600.0 6700.0 6800.0 7100.0 7200.0	3: DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68	270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00	TVD ft 6033.8 6027.4 6021.0 6014.6 6008.1 6001.7 5995.3 5988.9 5982.5 5976.0 5969.6	0.0 +N/-S ff 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-107.0 +12/-W ft -202.6 -302.4 -402.2 -502.0 -601.8 -701.6 -801.4 -901.2 -1001.0 -1100.7 -1200.5	107.0 VS ft 202.6 302.4 402.2 502.0 601.8 701.6 801.4 901.2 1001.0 1100.7 1200.5	6.00 DLS d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.00 Build d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00
Section MID ft 6200.0 6300.0 6500.0 6700.0 6800.0 7000.0 7100.0	3: DT5 CH Ta Inct deg 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68 93.68	Azim deg 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00 270.00	ft 6033.8 6027.4 6021.0 6014.6 6008.1 6001.7 5995.3 5988.9 5982.5 5976.0	0.0 +N/-S ft 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-107.0 +E/-W ft -202.6 -302.4 -402.2 -502.0 -601.8 -701.6 -801.4 -901.2 -1001.0 -1100.7	107.0 VS ft 202.6 302.4 402.2 502.0 601.8 701.6 801.4 901.2 1001.0 1100.7	6.00 DLS d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.00 Build d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 Turn d/100ft 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 TFO deg 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00





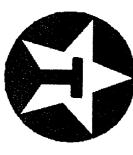
Texaco E & P, Inc.
Id: Vacuum Glorieta West Unit
te: Lea County, New Mexico
sll: VGWU #90
th: OH Original hole
un: Plan #1



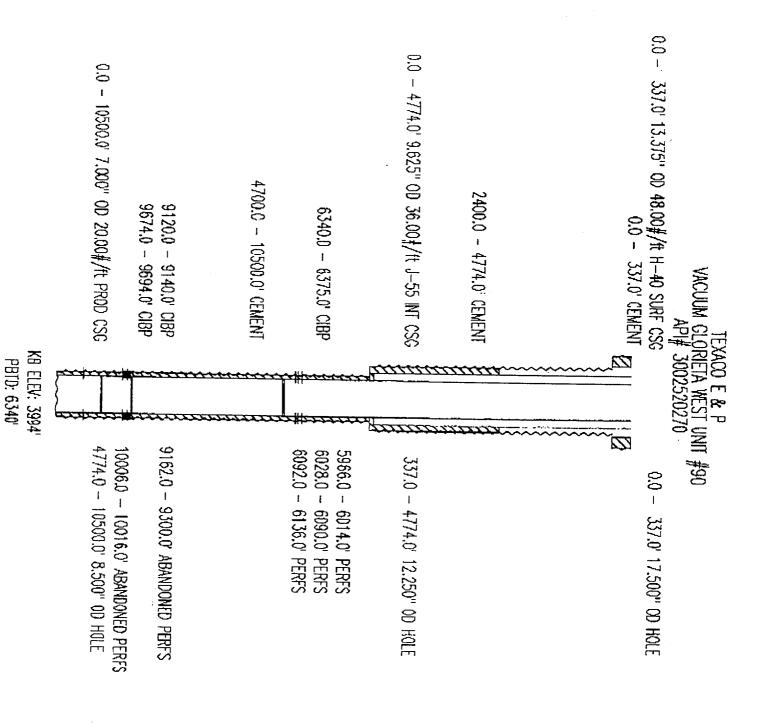




Texaco E & P, Inc.
Field: Vacuum Glorieta West Unit
Site: Lea County, New Mexico
Well: VGWU #90
Wellpath: OH Original hole
Plan: Plan #1

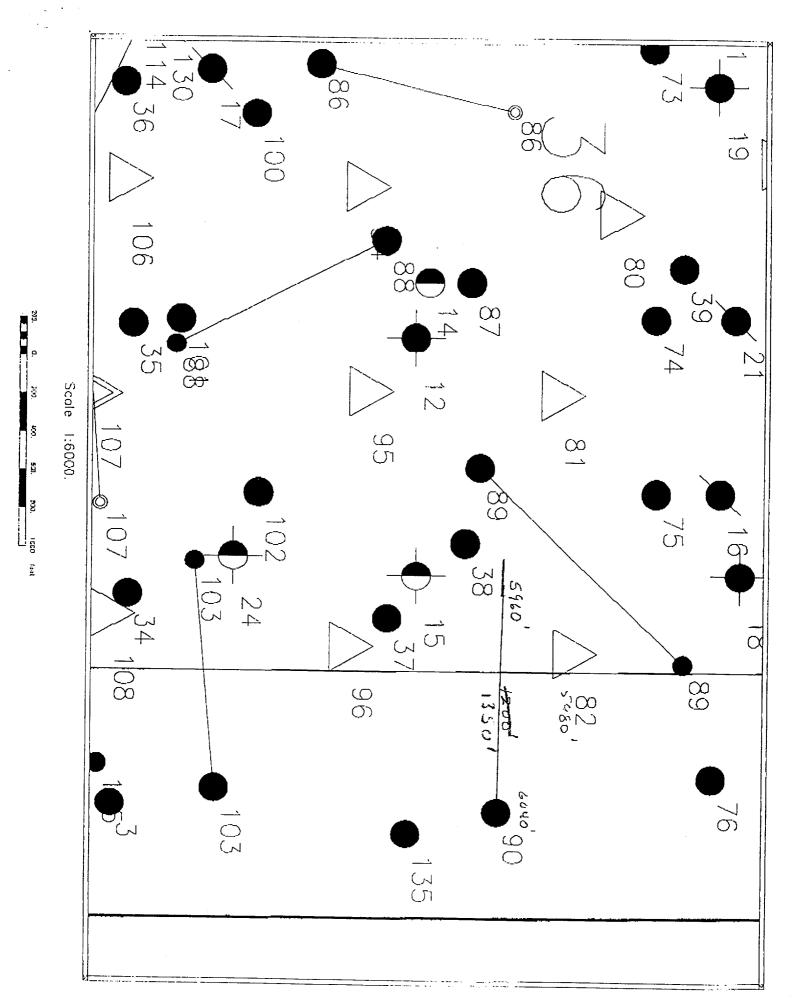


ID: 10500'





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<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719 <u>DISTRICT III</u>

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 10,199 Instructions on back Submit to Appropriate District Offic State Lease - 4 Copie

Fee Lease - 3 Copie

☐ AMENDED REPORT

DeSoto/Nichols 3/94 ver 1.10

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Num 30-025-2	2 Pool Code 62160					³ Pool Name					
4			62160	c			VACUUM GLORIETA				
Property Co 011125	ode		⁵ Property Name VACUUM GLORIETA WEST UNIT						6 W	⁶ Well No.	
OGRID Num			VA			90					
022351	ber		TEXACO		rator Name ION & PRODI	NC.			evation 82' GR		
		· · · · · · · · · · · · · · · · · · ·	10	Surface	Location						
UI or lot no Section L 31	Township	3				uth Line	Feet From The	East	West Line	County	
L 31	178	35E		2130	sou		660	,	WEST	LEA	
			ottom Hole I	_ocation If	Different F	rom Sur	face				
Ul or lot no Section 36	Township	Range	Lot.idn F	eet From Th	ne North/So	uth Line	Feet From The	East	West Line	County	
	178	34E	2130		Sou	TH	690		EAST	LEA	
Dedicated Acre 13	Joint or Infill No	I 14 (Consolidation (Code 15	Order No.						
	BLE WILL E	BE ASSIGNI	D TO THIS	COMPLET	ION UNTIL A	ALL INTE	RESTS HAVE B	EEN	CONSOLID	ATED	
	0	R A NON-S	I ANDARD U	NIT HAS B	EEN APPRO	OVED BY	THE DIVISION	/LL N	CONSOLID	ATED	
	-1	idject	-Ma	with	NVPU	WU	17 OPE	RATO	R CERTIFIC	ATION	
16 B	ic 3	₩ _A			1 3		contained her best of my known signature	ein is tro	at the information use and complete and belief	te to the	
	 	()		 			Printed Name J. Denise Positio Engineerii Date 3/20/00	Leak	sistant		
¹	HHHHHHHHHHHHHHHH	690' 690'	L (elo0'	S4L 49D	ſΥ	1	I hereby certify on this plat was actual surveys supervision, an correct to the b belief.	that the s plotted made b id that the est of m	d from field note by me or under he same is true	shown es of my and	
	2/30		7.20.				Signature & Se Professional Su Certificate No.	al of			