

Scientific Drilling Planning Report

Company: Texaco E & P, Inc.	Date: 12/16/98	Time: 08:47:48	Page: 1
Field: Vacuum Glorieta West Unit	Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North		
Site: Lea County, New Mexico	Vertical (TYD) Reference: SITE 0.0 above Mean Sea Level		
Well: VGWU #59	Section (VS) Reference: Site (0.0E,0.0N,270.0Azi)		
Wellpath: West Upper Lateral	Plan: Plan #1		

Field: Vacuum Glorieta West Unit	Local Coordinate Reference: Site Centre
	Location of Field Centre: N/A
	Field Centre Map Easting: m
	Field Centre Map Northing: m
Map Projection & Zone: US State Plane Coordinate System 1927 Texas, Central Zone	Direction of Local North: True
Ellipsoid: Clarke - 1866	Local Vertical Reference: Wellpath Datum
Field Datum: Mean Sea Level	Geomagnetic Model: IGRF95

Site: Lea County, New Mexico

Site Centre:	m E	Latitude	
	m N	Longitude	

Site Water Depth: 0.0 ft

Magnetic Declination: 0.00 deg
Grid Convergence: 0.00 deg

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

Well: VGWU #59

Originating From:	0.0 ft +N/-S	Map Easting :	0.00 m
	0.0 ft +E/-W	Map Northing:	0.00 m

Wellpath: West Upper Lateral

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

Direction of Vertical Section: 270.00 deg

Plan: Plan #1	Date Composed: 12/16/98
	Version: 1
Principal: Yes	Locked: No

Plan Section Information

MD ft	Incl deg	Azim deg	TYD ft	+N/-S ft	+E/-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg	Target
5500.0	0.00	270.00	5500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5810.0	0.00	270.00	5810.0	0.0	0.0	0.00	0.00	0.00	0.00	
6108.5	90.00	270.00	6000.0	0.0	-190.0	30.16	30.16	0.00	0.00	West Landing
6918.8	92.83	270.00	5960.0	0.0	-1000.0	0.35	0.35	0.00	0.00	West Toe

Section 1 : Straight MD Part 1 Hold

MD ft	Incl deg	Azim deg	TYD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5500.0	0.00	270.00	5500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5600.0	0.00	270.00	5600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5700.0	0.00	270.00	5700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5810.0	0.00	270.00	5810.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

Section 2 : HZ Landing Part 1 Build 30.16

MD ft	Incl deg	Azim deg	TYD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
5820.0	3.02	270.00	5820.0	0.0	-0.3	0.3	30.16	30.16	0.00	0.00
5830.0	6.03	270.00	5830.0	0.0	-1.1	1.1	30.16	30.16	0.00	0.00
5840.0	9.05	270.00	5839.9	0.0	-2.4	2.4	30.16	30.16	0.00	0.00
5850.0	12.06	270.00	5849.7	0.0	-4.2	4.2	30.16	30.16	0.00	0.00