

Scientific Drilling Inc.

Planning Report

Company: Texaco E & P, Inc.	Date: 02/28/2000	Time: 10:54:22	Page: 1
Field: Indian Basin Penn	Co-ordinate(NE) Reference: Site: Eddy County, New Mexico, True North		
Site: Eddy County, New Mexico	Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level		
Well: New Mexico "DF" State Com #3	Section (VS) Reference: Site (0.0E,0.0N,325.0Azi)		
Wellpath: Lateral Air	Plan: Plan #1		

Field: Indian Basin Penn

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

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

Site: Eddy County, New Mexico

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

Well: New Mexico "DF" State Com #3

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

Wellpath: Lateral Air	Drilled From: Surface	
	Tie-on Depth:	ft
Vertical Section: +N/-S 0.0 ft	V.Section Direction:	325.00 deg
From: Site +E/-W 0.0 ft		
Measured Depth Reference: SITE 0.0 ft	Above System Datum:	Mean Sea Level

Plan: Plan #1	Date Composed: 10/06/1999	
	Version: 1	
Principal: Yes	Locked:	No

Plan Section Information

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
6200.0	0.00	325.00	6200.0	0.0	0.0	0.00	0.00	0.00	0.00	
6846.0	0.00	325.00	6846.0	0.0	0.0	0.00	0.00	0.00	325.00	
6949.6	72.51	325.00	6924.1	46.9	-32.8	70.00	70.00	0.00	325.00	
6949.8	72.51	325.00	6924.1	47.1	-33.0	0.00	0.00	0.00	0.00	
7308.9	72.51	325.00	7032.0	327.7	-229.4	0.00	0.00	0.00	0.00	DF #3 toe

Section 1 : Start Hold

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6200.0	0.00	325.00	6200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
6300.0	0.00	325.00	6300.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00
6400.0	0.00	325.00	6400.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00
6500.0	0.00	325.00	6500.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00
6600.0	0.00	325.00	6600.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00
6700.0	0.00	325.00	6700.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00
6800.0	0.00	325.00	6800.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00
6846.0	0.00	325.00	6846.0	0.0	0.0	0.0	0.00	0.00	0.00	325.00

Section 2 : Start Build 70.00

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6850.0	2.80	325.00	6850.0	0.1	-0.1	0.1	70.00	70.00	0.00	0.00
6855.0	6.30	325.00	6855.0	0.4	-0.3	0.5	70.00	70.00	0.00	0.00
6860.0	9.80	325.00	6859.9	1.0	-0.7	1.2	70.00	70.00	0.00	0.00
6865.0	13.30	325.00	6864.8	1.8	-1.3	2.2	70.00	70.00	0.00	0.00
6870.0	16.80	325.00	6869.7	2.9	-2.0	3.5	70.00	70.00	0.00	0.00
6875.0	20.30	325.00	6874.4	4.2	-2.9	5.1	70.00	70.00	0.00	0.00
6880.0	23.80	325.00	6879.0	5.7	-4.0	7.0	70.00	70.00	0.00	0.00
6885.0	27.30	325.00	6883.5	7.5	-5.2	9.1	70.00	70.00	0.00	0.00
6890.0	30.80	325.00	6887.9	9.5	-6.6	11.5	70.00	70.00	0.00	0.00