



Scientific
Drilling

SDI Planning Report

Company: Nearburg Producing Company Date: 7/13/2001 Time: 10:08:58 Page: 1
Field: Illinois Camp Co-ordinate(NE) Reference: Well: Pathfinder State Com #1, True Nort
Site: Eddy county, New Mexico Vertical (TVD) Reference: SITE 0.0
Well: Pathfinder State Com #1 Section (VS) Reference: Site (0.00N,0.00E,87.65Azi)
Wellpath: 1 Plan: Plan #1

Field: Illinois Camp

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2000

Site: Eddy county, New Mexico

Site Position: Northing: ft Latitude:
From: Local Only Easting: ft Longitude:
Position Uncertainty: 0.0 ft North Reference: True deg
Ground Level: 0.0 ft Grid Convergence: deg

Well: Pathfinder State Com #1 Slot Name:

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

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 0.0 ft Tie-on Depth: 0.0 ft
Magnetic Data: 7/12/2001 Above System Datum: Mean Sea Level
Field Strength: 49869 nT Declination: 9.24 deg
Vertical Section: Depth From (TVD) +N/-S +E/-W Mag Dip Angle: 60.68 deg
ft ft ft Direction deg
10650.0 0.0 0.0 87.65

Plan: Plan #1 Date Composed: 7/12/2001
Principal: Yes Version: 1
Tied-to: From: Definitive Path

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
8636.0	0.83	290.98	8632.0	31.1	-142.5	0.00	0.00	0.00	0.00	
8700.0	0.83	290.98	8696.0	31.4	-143.4	0.00	0.00	0.00	0.00	
9344.0	24.98	90.61	9320.4	31.6	-9.5	4.00	3.75	24.79	160.23	
10610.9	24.98	90.61	10650.0	25.0	610.0	0.00	0.00	0.00	0.00	TD 19-1

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
8636.0	0.83	290.98	8632.0	31.1	-142.5	-141.1	0.00	0.00	0.00	0.00
8700.0	0.83	290.98	8696.0	31.4	-143.4	-142.0	0.00	0.00	0.00	0.00

Section 2 : Start DLS 4.00 TFO 160.23

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
8800.0	3.23	86.24	8795.9	31.8	-141.2	-139.8	4.00	2.40	155.26	160.23
8900.0	7.22	89.00	8895.5	32.1	-132.1	-130.7	4.00	3.99	2.76	4.99
9000.0	11.22	89.80	8994.2	32.3	-116.1	-114.7	4.00	4.00	0.80	2.23
9100.0	15.22	90.18	9091.5	32.3	-93.2	-91.8	4.00	4.00	0.38	1.44
9200.0	19.22	90.41	9187.0	32.1	-63.6	-62.3	4.00	4.00	0.23	1.07
9300.0	23.22	90.56	9280.2	31.8	-27.4	-26.1	4.00	4.00	0.15	0.85

Section 3 : 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
9344.0	24.98	90.61	9320.4	31.6	-9.5	-8.2	4.00	4.00	0.12	0.71
9400.0	24.98	90.61	9371.1	31.4	14.2	15.4	0.00	0.00	0.00	0.00