

Proposed Well Profile

Report Date: July 5, 2000

Client: Pogo Production

Field: Eddy County, NM

Structure / Shot: Shugart 6 Fed #1 / Shugart 6 Fed #1

Well: Shugart 6 Fed #1

Borehole: Shugart 6 Fed #1

UWI/API#: _____

Proposal Name / Modified Date: rev 1 / July 5, 2000

Tort / AHD / DDI / EIRD ratio: 63.017° / 546.26 ft / 4.541 / 0.044

Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet

Location Lat/Long: N 32.9 16.621, W 104 14 52.902

Location Grid N/E Y/X: N 419981.400 ftUS, E 526399.600 ftUS

Grid Convergence Angle: +0.04539979°

Grid Scale Factor: 0.99990989

Survey / DLS Computation Method: Minimum Curvature / Lubinski

Vertical Section Azimuth: 0.000°

Vertical Section Origin: N 0.000 ft, E 0.000 ft

TVD Reference Datum: 0.0 ft relative to

TVD Reference Elevation: 0.000 ft relative to

Sea Bed / Ground Level Elevation: 0.000 ft relative to

Magnetic Declination: 9.153°

Total Field Strength: 49668.009 nT

7 7/8 hole 60.308°

Declination Date: July 05, 2000

Magnetic Declination Model: BCGM 1999

North Reference: True North

Total Corr Mag North → True North: +9.153°

Local Coordinates Referenced To: Structure Reference Point

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSac (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Tie-In	9000.00	0.00	336.25	9000.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.7MTF
	9100.00	0.00	336.25	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.7MTF
	9200.00	0.00	336.25	9200.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.7MTF
KOP	9266.00	0.00	336.25	9266.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.7MTF
	9300.00	1.36	336.25	9300.00	0.37	0.37	-0.16	0.40	336.25	4.00	-23.7MTF
	9400.00	5.36	336.25	9399.80	5.73	5.73	-2.52	6.26	336.25	4.00	0.0
	9500.00	9.36	336.25	9498.96	17.46	17.46	-7.68	19.07	336.25	4.00	0.0
	9600.00	13.36	336.25	9596.98	35.48	35.48	-15.61	38.76	336.25	4.00	0.0
	9700.00	17.36	336.25	9693.39	59.72	59.72	-26.28	65.25	336.25	4.00	0.0
	9800.00	21.36	336.25	9787.72	90.06	90.06	-39.63	98.39	336.25	4.00	0.0
	9900.00	25.36	336.25	9879.50	126.34	126.34	-55.59	138.03	336.25	4.00	0.0
	10000.00	29.36	336.25	9968.30	168.40	168.40	-74.10	183.98	336.25	4.00	0.0
EOC #1 (2D-S)	10053.71	31.51	336.25	10014.60	193.30	193.30	-85.05	211.19	336.25	4.00	0.0

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