

SCIENTIFIC DRILLING

Planning Report

Company: POGO
Field: Shugart
Site: Eddy County, NM
Well: Shugart 6 Com #1
Wellpath: Plan #1

Date: 5/3/2000 Time: 11:23:16 Page: 2
Co-ordinate(N/E) Reference: Site: Eddy County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Slot (0.0E,0.0N,180.0Azi)
Plan: Plan #1

Section 2 : OPT AL DLS Part 2 Hold

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
9600.0	6.91	180.00	9593.7	-111.5	0.0	111.5	0.00	0.00	0.00	180.00
9700.0	6.91	180.00	9693.0	-123.6	0.0	123.6	0.00	0.00	0.00	180.00
9800.0	6.91	180.00	9792.2	-135.6	0.0	135.6	0.00	0.00	0.00	180.00
9900.0	6.91	180.00	9891.5	-147.6	0.0	147.6	0.00	0.00	0.00	180.00
10000.0	6.91	180.00	9990.8	-159.6	0.0	159.6	0.00	0.00	0.00	180.00
10100.0	6.91	180.00	10090.1	-171.7	0.0	171.7	0.00	0.00	0.00	180.00
10200.0	6.91	180.00	10189.3	-183.7	0.0	183.7	0.00	0.00	0.00	180.00
10300.0	6.91	180.00	10288.6	-195.7	0.0	195.7	0.00	0.00	0.00	180.00
10322.6	6.91	180.00	10311.0	-198.4	0.0	198.4	0.00	0.00	0.00	180.00

Section 3 : OPT AL DLS Part 3 Drop -1.00

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
10400.0	6.13	180.00	10387.9	-207.2	0.0	207.2	1.00	-1.00	0.00	180.00
10500.0	5.13	180.00	10487.5	-217.0	0.0	217.0	1.00	-1.00	0.00	180.00
10600.0	4.13	180.00	10587.1	-225.1	0.0	225.1	1.00	-1.00	0.00	180.00
10700.0	3.13	180.00	10686.9	-231.4	0.0	231.4	1.00	-1.00	0.00	180.00
10800.0	2.13	180.00	10786.8	-236.0	0.0	236.0	1.00	-1.00	0.00	180.00
10900.0	1.13	180.00	10886.8	-238.9	0.0	238.9	1.00	-1.00	0.00	180.00
11000.0	0.13	180.00	10986.8	-240.0	0.0	240.0	1.00	-1.00	0.00	180.00
11013.2	0.00	0.00	11000.0	-240.0	0.0	240.0	1.00	-1.00	0.00	180.00

Section 4 : Straight TVD Part 1 Hold

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
11100.0	0.00	0.00	11086.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11200.0	0.00	0.00	11186.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11300.0	0.00	0.00	11286.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11400.0	0.00	0.00	11386.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11500.0	0.00	0.00	11486.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11600.0	0.00	0.00	11586.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11700.0	0.00	0.00	11686.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11800.0	0.00	0.00	11786.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
11900.0	0.00	0.00	11886.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12000.0	0.00	0.00	11986.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12100.0	0.00	0.00	12086.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12200.0	0.00	0.00	12186.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12300.0	0.00	0.00	12286.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12400.0	0.00	0.00	12386.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12500.0	0.00	0.00	12486.8	-240.0	0.0	240.0	0.00	0.00	0.00	180.00
12513.2	0.00	0.00	12500.0	-240.0	0.0	240.0	0.00	0.00	0.00	180.00