



RECEIVED
AUG 2 2011
MOCD ARTESIA

Company: Mewbourn Oil Company
Lease/Well: Gunsmoke 9 KL/1H
Location: Sec 9, TS 209, R 25E
Rig Name: Patterson 101
State/County: New Mexico/Eddy
Latitude: 32.62
GRID North is 0.08 Degrees West of True North
VS-Azi: 270.93 Degrees



30-015-384 2

Depth Reference : Ground Level

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gunsmoke 9kl 1h.ut
Minimum Curvature Method
Report Date/Time: 4/11/2011 / 13:46

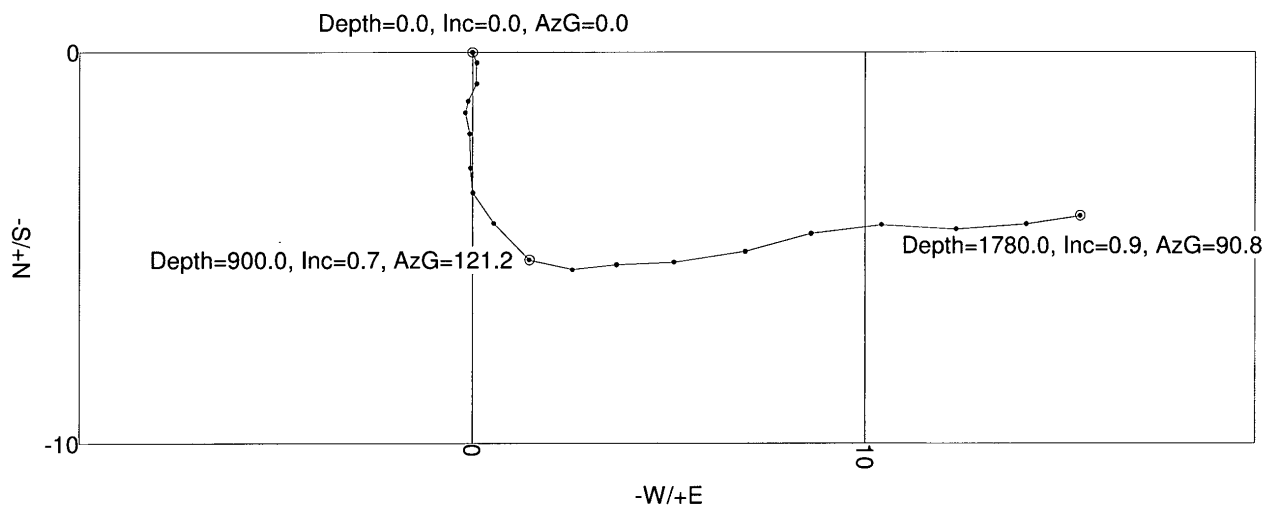
Vaughn Energy Services
Fort Worth, Texas
817-741-3610

Surveyor: Daniel Lynch
Gunsmoke 9KL 1H

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.33	157.64	100.00	-0.27	0.11	-0.11	0.29	157.64	0.33
200.00	0.34	201.75	200.00	-0.81	0.11	-0.12	0.82	172.39	0.25
300.00	0.23	210.04	300.00	-1.25	-0.10	0.08	1.26	184.60	0.12
400.00	0.15	171.29	400.00	-1.56	-0.18	0.15	1.57	186.56	0.14
500.00	0.48	166.62	499.99	-2.10	-0.06	0.03	2.10	181.68	0.33
600.00	0.54	189.59	599.99	-2.97	-0.04	0.00	2.97	180.84	0.21
700.00	0.24	139.64	699.99	-3.60	0.01	-0.07	3.60	179.79	0.43
800.00	0.85	147.39	799.98	-4.39	0.55	-0.62	4.42	172.85	0.62
900.00	0.67	121.23	899.97	-5.32	1.45	-1.54	5.52	164.72	0.39
1000.00	0.67	85.04	999.97	-5.57	2.54	-2.63	6.13	155.52	0.42
1100.00	0.62	82.22	1099.96	-5.45	3.66	-3.74	6.56	146.14	0.06
1200.00	1.05	90.56	1199.95	-5.39	5.11	-5.19	7.42	136.53	0.45
1300.00	1.09	72.69	1299.93	-5.11	6.93	-7.02	8.61	126.39	0.34
1400.00	0.91	77.13	1399.92	-4.65	8.62	-8.69	9.79	118.35	0.20
1500.00	1.17	87.47	1499.90	-4.43	10.41	-10.48	11.31	113.04	0.32
1600.00	1.06	99.58	1599.88	-4.54	12.34	-12.41	13.15	110.19	0.26
1700.00	1.10	73.13	1699.87	-4.41	14.17	-14.24	14.84	107.29	0.50
1780.00	0.94	90.83	1779.85	-4.20	15.56	-15.63	16.12	105.09	0.44



Vaughn Energy Services
Fort Worth, Texas
817-741-3610
Surveyor: Daniel Lynch
Gunsmoke 9KL 1H



V.E.S.