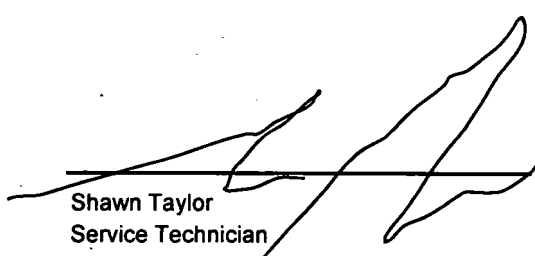




30-015-44324

I Shawn Taylor certify that I am employed by VES Survey International. That I did on the day(s) of 02/23/18 through 02/23/18 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 2,218.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador Resources for the SST 6 State Well # 124H API # 30-015-44324 in Eddy County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by VES Survey International.


Shawn Taylor
Service Technician
VES Survey International



Company: MATADOR RESOURCES

Lease/Well: SST 6 STATE/124H

Rig Name: PATTERSON 809

State/County: NEW MEXICO/EDDY

VS-Azi: 0.00 Degrees

Latitude: 32.68392, Longitude: -104.10561

Grid North = True North -0.12 degs (NAD 27)

Grid Correction Applied = -0.12 degs



Depth Reference : RKB= 28 FEET

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: msgyro_run01-01-de_01.ut

Minimum Curvature Method

Report Date/Time: 3/1/2018 / 09:56

VES Survey International

Woodward, OK

580-254-5000

Surveyor: Shawn Taylor

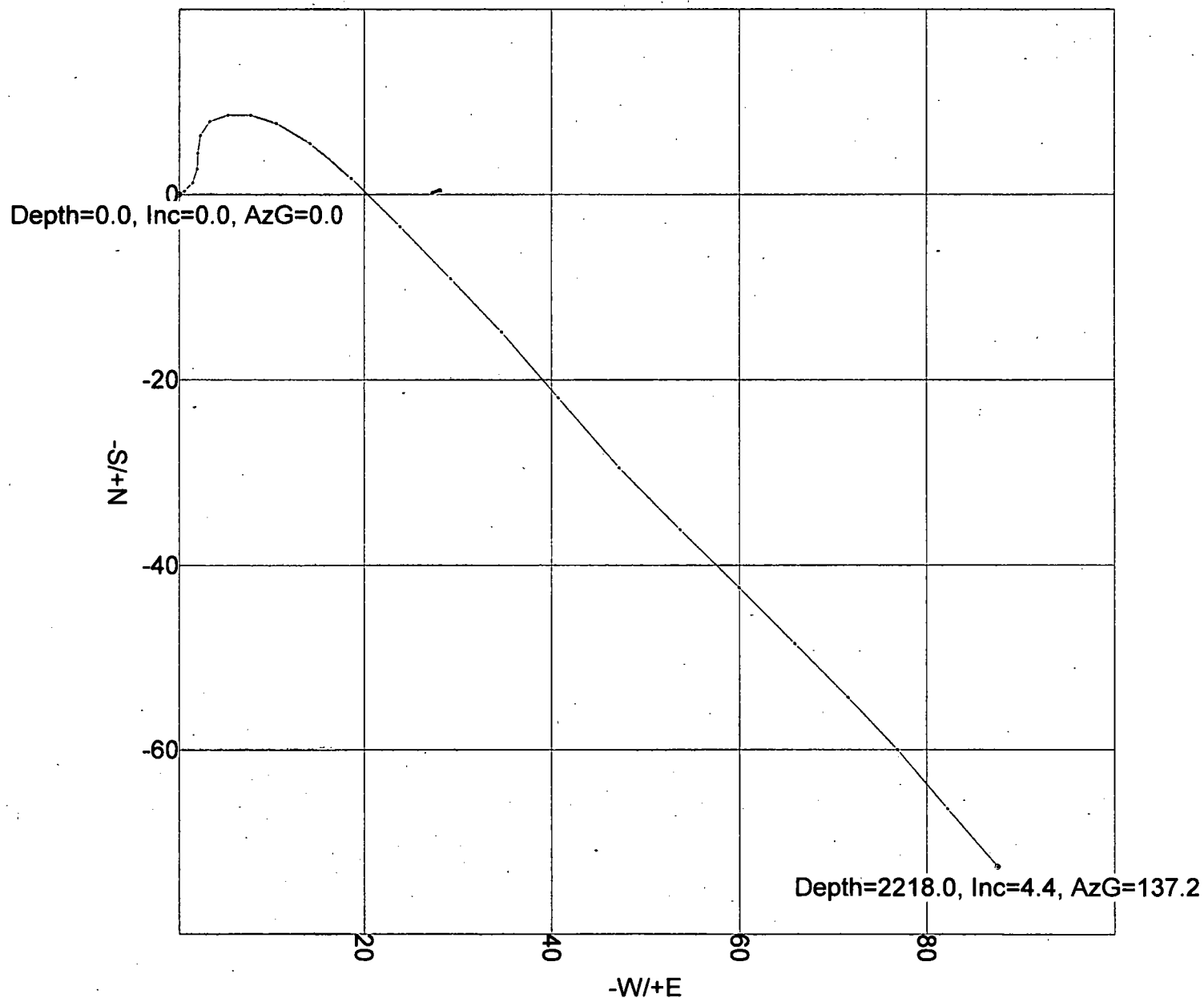
SST 6 State 124H / API 30-015-44324

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	****
134.38	0.55	58.74	134.38	0.34	0.56	0.34	0.65	58.74	0.41
229.09	1.01	34.76	229.08	1.26	1.42	1.26	1.90	48.49	0.58
323.80	0.96	1.60	323.78	2.73	1.92	2.73	3.34	35.08	0.59
418.51	1.14	2.30	418.47	4.46	1.98	4.46	4.88	23.92	0.19
513.22	1.18	14.53	513.16	6.34	2.26	6.34	6.73	19.61	0.27
607.93	1.17	53.17	607.85	7.87	3.28	7.87	8.52	22.62	0.82
702.64	1.46	84.16	702.54	8.57	5.25	8.57	10.05	31.50	0.80
797.35	1.52	96.75	797.22	8.54	7.70	8.54	11.50	42.03	0.35
892.06	2.04	115.68	891.88	7.66	10.47	7.66	12.98	53.81	0.82
986.77	3.08	124.41	986.50	5.49	14.09	5.49	15.13	68.72	1.17
1081.48	4.06	133.90	1081.02	1.72	18.61	1.72	18.69	84.71	1.20
1176.19	4.87	135.84	1175.44	-3.48	23.83	-3.48	24.08	98.32	0.86
1270.90	4.54	136.54	1269.83	-9.09	29.21	-9.09	30.59	107.29	0.35
1365.61	5.06	136.57	1364.21	-14.84	34.66	-14.84	37.71	113.18	0.54
1460.32	6.24	141.95	1458.46	-21.93	40.71	-21.93	46.24	118.32	1.37
1555.03	5.83	136.57	1552.65	-29.48	47.19	-29.48	55.64	122.00	0.74

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
1649.74	5.48	134.92	1646.89	-36.17	53.69	-36.17	64.74	123.96	0.41
1744.45	5.26	135.16	1741.19	-42.44	59.96	-42.44	73.46	125.29	0.23
1839.16	5.06	135.48	1835.51	-48.50	65.95	-48.50	81.86	126.33	0.22
1933.87	4.80	136.09	1929.87	-54.32	71.62	-54.32	89.89	127.18	0.28
2028.58	4.59	138.20	2024.27	-60.00	76.89	-60.00	97.53	127.97	0.29
2123.29	5.53	141.86	2118.61	-66.41	82.23	-66.41	105.70	128.93	1.05
2218.00	4.45	137.21	2212.96	-72.70	87.55	-72.70	113.79	129.71	1.22



VES Survey International
Woodward, OK
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VES Survey Date: 2/23/2018