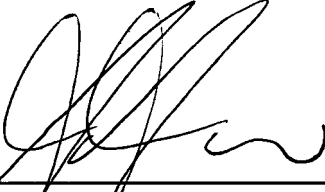




15- 43615

I Adam G. Askew certify that I am employed by VES Survey International. That I did on the day(s) of 03/10/16 through 03/10/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0 feet to a depth of 2,668.00 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 for the Janie Conner 13-24S-28E RB Well # No 207H API # 30-015-43615 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.



Adam G. Askew
Service Technician
VES Survey International



NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 27 2016

RECEIVED

Company: Matador Production Company
Lease/Well: Janie Conner 13-24S-28E RB /No 207H

Rig Name: Patterson 809
State/Country: New Mexico/Eddy
VS-Azi: 0.00 Degrees

Latitude: 32.21430, Longitude: -104.04950
Grid North = True North -0.15 degs (NAD 27)
Grid Correction Applied = -0.15 degs

Depth Reference : RKB = 28.5 feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 3/17/2016 / 09:05

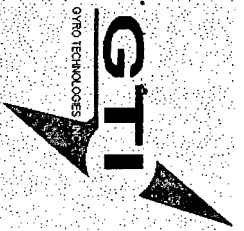
VES Survey International
West Texas
432-563-5444
Surveyor: Adam Askew
Janie Conner 13-24S-28E RB No. 207H / API 30-015-43615

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
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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
83.66	0.69	92.01	83.66	-0.02	0.51	-0.02	0.51	92.01	0.83
177.08	0.54	80.87	177.07	0.03	1.50	0.03	1.50	88.77	0.21
270.50	0.51	100.54	270.49	0.03	2.35	0.03	2.35	89.37	0.19
363.92	1.12	155.30	363.90	-0.88	3.14	-0.88	3.26	105.61	0.99
457.34	1.12	165.55	457.30	-2.58	3.75	-2.58	4.55	124.59	0.21
550.76	2.96	160.79	550.66	-5.74	4.77	-5.74	7.46	140.31	1.98
644.18	2.99	164.82	643.95	-10.38	6.20	-10.38	12.09	149.14	0.23
737.60	2.32	161.50	737.27	-14.52	7.44	-14.52	16.32	152.88	0.74
831.02	1.99	165.90	830.63	-17.89	8.43	-17.89	19.78	154.76	0.39
924.44	1.53	172.82	924.00	-20.70	8.98	-20.70	22.57	156.54	0.54
1017.86	1.30	156.41	1017.39	-22.92	9.57	-22.92	24.83	157.34	0.50
1111.28	1.16	120.46	1110.79	-24.37	10.81	-24.37	26.66	156.09	0.83
1204.70	1.11	76.20	1204.20	-24.63	12.50	-24.63	27.62	153.09	0.92
1298.12	1.10	27.38	1297.60	-23.61	13.79	-23.61	27.35	149.71	0.98
1391.54	1.23	342.07	1391.00	-21.86	13.90	-21.86	25.91	147.55	0.97
1484.96	1.01	303.84	1484.41	-20.45	12.91	-20.45	24.19	147.74	0.81



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
1578.38	0.74	249.50	1577.82	-20.21	11.66	-20.21	23.33	150.01	0.89
1671.80	0.83	215.03	1671.23	-20.98	10.70	-20.98	23.55	152.97	0.51
1765.22	0.83	208.56	1764.64	-22.13	9.99	-22.13	24.28	155.70	0.10
1858.64	0.80	209.51	1858.05	-23.29	9.35	-23.29	25.09	158.13	0.04
1952.06	0.77	158.01	1951.46	-24.43	9.26	-24.43	26.13	159.24	0.73
2045.48	1.43	121.93	2044.87	-25.63	10.49	-25.63	27.70	157.75	0.99
2138.90	1.52	96.32	2138.26	-26.39	12.71	-26.39	29.29	154.28	0.71
2232.32	1.42	98.04	2231.65	-26.69	15.09	-26.69	30.66	150.51	0.11
2325.74	2.11	107.89	2325.02	-27.38	17.88	-27.38	32.70	146.86	0.80
2419.16	2.88	105.27	2418.35	-28.52	21.78	-28.52	35.89	142.64	0.83
2512.58	2.51	90.81	2511.67	-29.17	26.09	-29.17	39.13	138.20	0.83
2606.00	1.65	83.46	2605.03	-29.05	29.47	-29.05	41.38	134.59	0.96
2668.00	1.56	68.72	2667.00	-28.64	31.15	-28.64	42.31	132.60	0.68



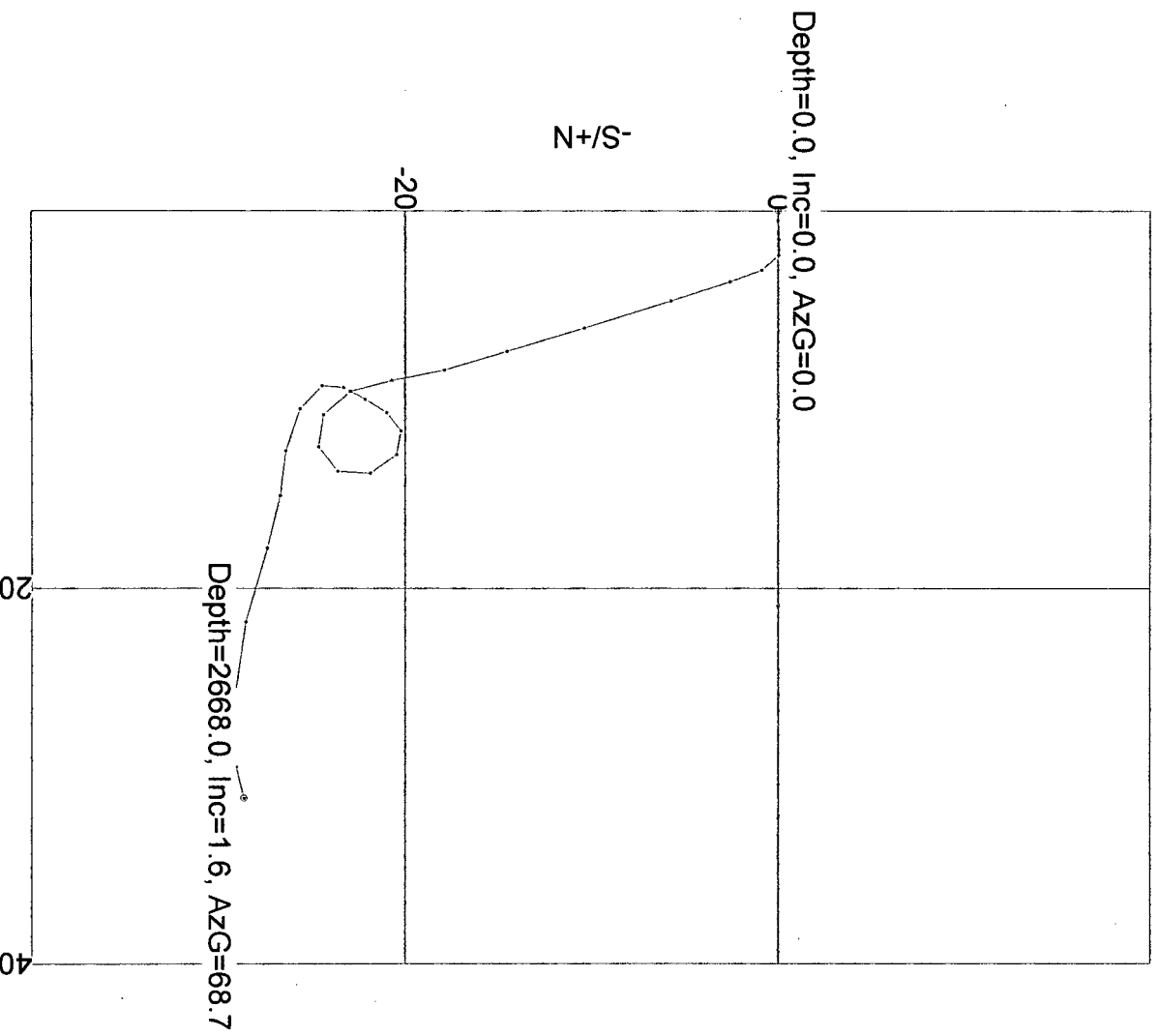
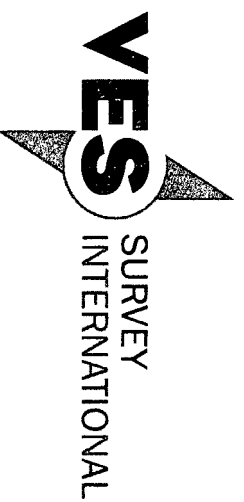
VES Survey International

West Texas

432-563-5444

Surveyor: Adam Askew

Janie Conner 13-24S-28E RB No. 207H / API 30-015-43615



V.E.S. Survey Date: 3/9/2016