



Company: Matador
 Lease/Well: Patriot SWD/8

Rig Name: Patterson 274
 State/County: New Mexico/Eddy
 VS-Azi: 0.00 Degrees
 Latitude: 32.31259, Longitude: -104.19724
 Grid North = True North -0.07 degs (NAD 27)
 Grid Correction Applied = -0.07 degs



Depth Reference : RKB= 28.5 Ft

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: msgyro_run01-01.ut
 Minimum Curvature Method
 Report Date/Time: 4/29/2019 / 10:16

VES Survey International
 Fort Worth, Texas
 Office 817-741-3610
 Surveyor: Gregg Wilson
 Patriot SWD 8 / 30-015-45301

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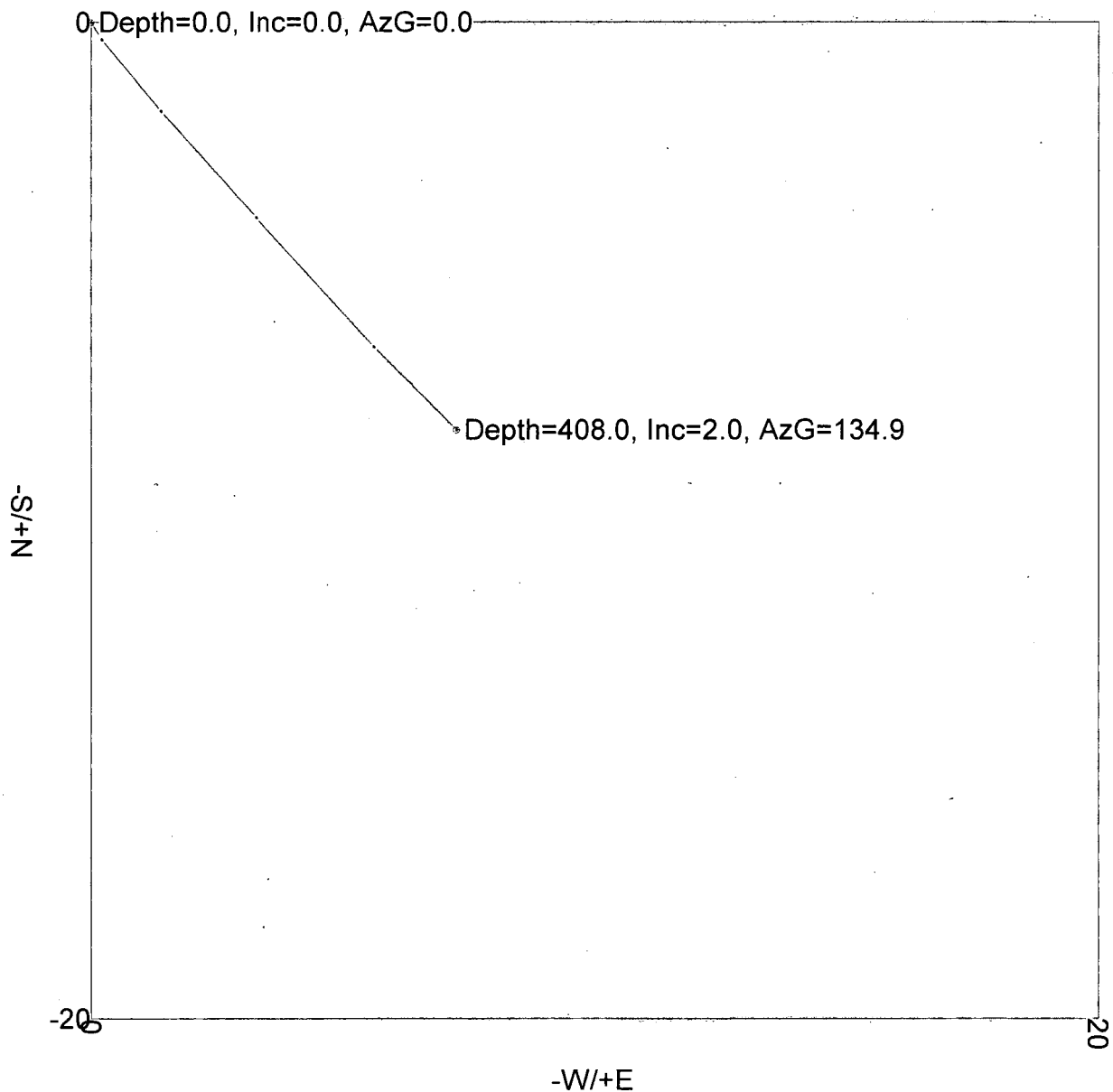
AUG 01 2019

DISTRICT II-ARTESIA O.C.D.

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	****
61.61	0.76	149.52	61.61	-0.35	0.21	-0.35	0.41	149.52	1.23
156.08	1.51	135.83	156.06	-1.79	1.39	-1.79	2.27	142.04	0.84
250.55	1.97	139.80	250.49	-3.92	3.31	-3.92	5.13	139.82	0.50
345.02	2.28	136.07	344.89	-6.51	5.66	-6.51	8.63	139.00	0.36
408.00	1.96	134.93	407.83	-8.18	7.29	-8.18	10.96	138.27	0.51



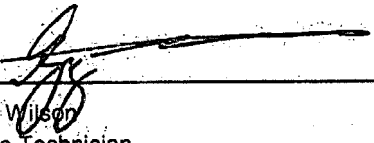
VES Survey International
Fort Worth, Texas
Office 817-741-3610
Surveyor: Gregg Wilson
Patriot SWD 8 / 30-015-45301



VES Survey Date: 4/24/2019



I, Gregg Wilson certify that I am employed by VES Survey International. That I did on the day(s) of 04/24/19 through 04/24/19 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 408.00 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 Patriot SWD Well # #8 API # 30-015-45301 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.



Gregg Wilson
Service Technician
VES Survey International.



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DISTRICT//ARTESIAO.C.D.

April 29, 2019

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Attn: Ava Monroe

Re: **Patriot SWD 8**

Please find enclosed a copy of the survey from 0' to 408' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,


Jennifer Byerly
Operations

