



30-015-43824

September 7, 2016

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

Attn: Ava Monroe

Re: **Dr Scrivner Federal 01 24S 28E RB No. 208H**

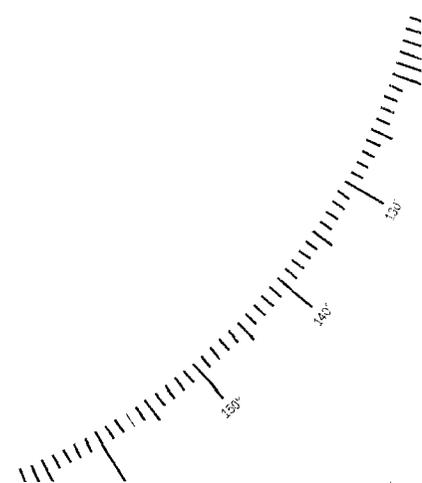
Please find enclosed a copy of the survey from 6586.54' to 9110.50' ran on the above referenced well.

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

Sincerely,

A handwritten signature in black ink, appearing to read "J Byerly", is written over the word "Sincerely,".

Jennifer Byerly  
Operations





GTI  
GYRO TECHNOLOGIES, INC.

Company: Matador Production  
Lease/Well: Dr. Scrivner Fed 01-24S-28E RB /208H

Rig Name: Patterson 297  
State/Country: New Mexico/Eddy  
VS-Azi: 0.00 Degrees  
Latitude: 32.24127, Longitude: -104.03396  
Grid North = True North -0.16 degs (NAD 27)  
Grid Correction Applied = -0.16 degs

Depth Reference : RKB = 28.5

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: dscrivne-01.ut  
Minimum Curvature Method  
Report Date/Time: 9/7/2016 / 16:20

VES Survey International  
Midland Tx  
(432) 563-5444  
Surveyor: Gene Heiss  
Dr. Scrivner Federal 01-24S-28E RB NO. 208H / API 30-015-43822

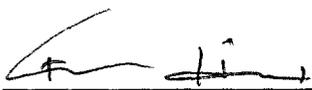
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N-S FT	+E/W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
-------------------------	----------------------	---------------------------	-----------	------------	------------	---------------------------	---------------------------	-----------------------------	-------------------------------

6586.54	1.30	172.78	6585.98	-73.86	9.35	-73.86	74.45	172.78	0.02
6680.02	0.93	190.79	6679.44	-75.65	9.34	-75.65	76.22	172.96	0.54
6773.50	1.17	239.38	6772.91	-76.88	8.38	-76.88	77.33	173.78	0.95
6866.98	1.14	248.99	6866.37	-77.70	6.89	-77.70	77.98	175.08	0.21
6950.46	1.04	248.83	6959.83	-78.34	5.03	-78.34	78.50	176.33	0.12
7053.94	1.33	254.94	7053.29	-78.92	3.19	-78.92	78.99	177.69	0.35
7147.42	1.73	252.60	7146.74	-79.63	0.79	-79.63	79.63	179.43	0.43
7240.90	1.78	253.82	7240.17	-80.46	-1.96	-80.46	80.48	181.39	0.07
7334.38	0.75	260.89	7333.63	-80.96	-3.94	-80.96	81.05	182.79	1.12
7427.86	0.75	43.22	7427.11	-80.61	-4.12	-80.61	80.71	182.93	1.52
7521.34	0.62	60.93	7520.58	-79.91	-3.26	-79.91	79.98	182.34	0.27
7614.82	0.40	100.85	7614.06	-79.73	-2.51	-79.73	79.77	181.80	0.43
7708.30	0.76	143.75	7707.53	-80.29	-1.82	-80.29	80.31	181.30	0.58
7801.78	0.99	165.74	7801.00	-81.58	-1.25	-81.58	81.59	180.88	0.43
7895.26	1.63	207.67	7894.46	-83.54	-1.67	-83.54	83.55	181.15	1.18
7988.74	2.34	221.59	7987.88	-86.14	-3.55	-86.14	86.21	182.36	0.92
8082.22	1.55	232.69	8081.31	-88.33	-5.83	-88.33	88.52	183.77	0.94





I Gene Heiss certify that I am employed by VES Survey International. That I did on the day(s) of 08/29/16 through 08/29/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 6,586.54 feet to a depth of 9,110.50 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 Production for the Dr. Scrivner Fed 01-24S-28E RB Well # 208H API # 30-015-43822 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.

  
\_\_\_\_\_



I Gene Heiss certify that I am employed by VES Survey International. That I did on the day(s) of 08/29/16 through 08/29/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 6,586.54 feet to a depth of 9,110.50 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 Production for the Dr. Scrivner Fed 01-24S-28E RB Well # 208H API # 30-015-43822 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.

A handwritten signature in black ink, appearing to read "Gene Heiss", is written over a horizontal line.

Gene Heiss  
Service Technician  
VES Survey International