



October 25, 2017

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

*30-015-44170*

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
FEB 15 2018  
RECEIVED

Attn: Ava Monroe

Re: **Stebbins 19 Federal Com No. 123H**

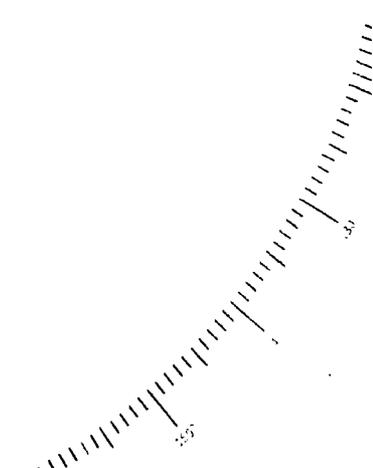
Please find enclosed a copy of the survey from 0' to 1120' ran on the above referenced well.

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 be "J Byerly", written over the printed name.

Jennifer Byerly  
Operations





Company: MATADOR PRODUCTION  
 Lease/Well: STEBBINS 19 FEDERAL COM No./123H



Rig Name: PATTERSON 809  
 State/County: NEW MEXICO/EDDY  
 VS-Azi: 0.00 Degrees  
 Latitude: 32.55797, Longitude: -104.10697  
 Grid North = True North -0.12 degs (NAD 27)  
 Grid Correction Applied = -0.12 degs

Depth Reference : RKB = 28.5 FEET

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: msgyro\_run01-01-de\_01.ut  
 Minimum Curvature Method  
 Report Date/Time: 10/25/2017 / 14:19

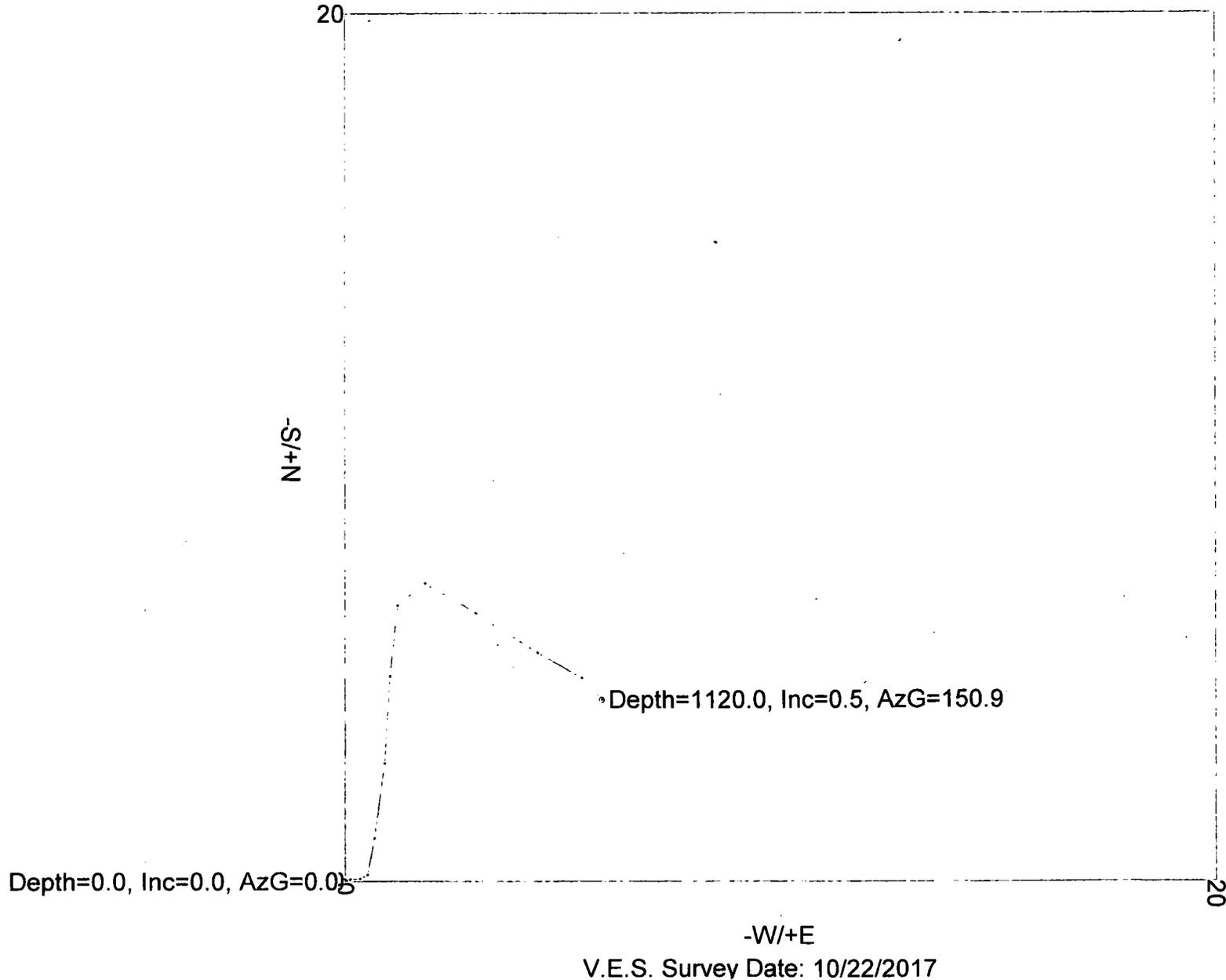
VES Survey International  
 Midland, TX  
 432-563-5444

Surveyor: Christopher Hair  
 Stebbins 19 Federal Com No. 123H / API 30-015-44170

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	****
98.00	0.15	70.81	98.00	0.04	0.12	0.04	0.13	70.81	0.15
192.00	0.13	102.75	192.00	0.06	0.34	0.06	0.35	80.40	0.08
286.00	0.16	32.44	286.00	0.15	0.52	0.15	0.54	74.46	0.18
380.00	0.90	6.43	379.99	0.99	0.67	0.99	1.20	34.29	0.81
474.00	1.25	8.87	473.98	2.74	0.92	2.74	2.89	18.49	0.38
568.00	1.23	358.04	567.96	4.76	1.04	4.76	4.88	12.32	0.25
662.00	0.80	18.48	661.94	6.40	1.21	6.40	6.51	10.75	0.59
756.00	0.53	104.86	755.94	6.91	1.84	6.91	7.15	14.94	0.99
850.00	1.18	127.47	849.93	6.21	3.03	6.21	6.91	26.01	0.76
944.00	0.91	115.99	943.91	5.30	4.46	5.30	6.93	40.11	0.36
1038.00	0.52	126.17	1037.90	4.72	5.48	4.72	7.23	49.23	0.43
1120.00	0.46	150.91	1119.90	4.22	5.94	4.22	7.28	54.61	0.27



VES Survey International  
Midland, TX  
432-563-5444  
Surveyor: Christopher Hair  
Stebbins 19 Federal Com No. 123H / API 30-015-44170





I Christopher Hair certify that I am employed by VES Survey International. That I did on the day(s) of 10/23/17 through 10/23/17 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 1,120.00 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 Production for the Stebbins 19 Fed Com Well # 123H API # 30-015-44170 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 cursive script, appearing to read "Chris Hair", is written over a horizontal line.

Christopher Hair  
Service Technician  
VES Survey International



I Christopher Hair certify that I am employed by VES Survey International. That I did on the day(s) of 10/23/17 through 10/23/17 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 1,120.00 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 Production for the Stebbins 19 Fed Com Well # 123H API # 30-015-44170 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.

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Christopher Hair  
Service Technician  
VES Survey International