

VES

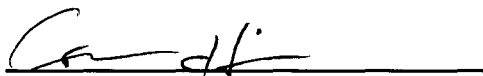
SURVEY

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I Gene Heiss certify that I am employed by VES Survey International. That I did on the day(s) of 11/20/16 through 11/20/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 572.00 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 Paul 25 24S 28E RB Well # 121H API # 30-015-43011 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.



Gene Heiss
Service Technician
VES Survey International



Company: Matador Production
Lease/Well: Paul 25 24S 28E RB/121H

VES SURVEY

Rig Name: Patterson 274
State/County: New Mexico/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.19472, Longitude: -104.04814
Grid North = True North -0.15 degs (NAD 27)
Grid Correction Applied = -0.15 degs

Depth Reference : RKB = 28.5 Foot

DRILLOG MS GYRO SURVEY CALCULATIONS

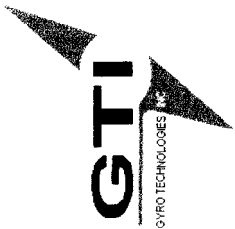
Filename: gyrosurvey-01-de_01.ut
Minimum Curvature Method
Report Date/Time: 11/22/2016 / 16:03

VES Survey International
Midland Tx
(432) 563-5444

Surveyor: Gene Heiss

Paul 25 24S 28E RB No. 121H / API 30-015-43011

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	****
44.84	0.45	20.26	44.84	0.16	0.06	0.16	0.17	20.26	0.99
132.70	0.44	17.64	132.70	0.80	0.28	0.80	0.85	19.23	0.02
220.56	0.77	11.01	220.55	1.71	0.50	1.71	1.78	16.19	0.39
308.42	0.96	1.05	308.40	3.03	0.62	3.03	3.09	11.63	0.27
396.28	1.05	9.11	396.25	4.56	0.76	4.56	4.62	9.51	0.19
484.14	0.99	18.87	484.09	6.08	1.14	6.08	6.18	10.60	0.21
572.00	0.89	21.49	571.94	7.43	1.63	7.43	7.61	12.40	0.12



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Paul 25 24S 28E RB No. 121H / API 30-015-43011

VES SURVEY

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-S/+N

* Depth=572.0, Inc=0.9, AzG=21.5

Q:Depth=0.0, Inc=0.0, AzG=0.0

-W/+E

VES Survey Date: 11/20/2016

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