

30-015-42873



Job Number: SVMO-150040
 Company: Matador Production Co.
 Lease/Well: Tiger 14 224H
 Location: Eddy County, NM
 Rig Name: Patterson #203
 RKB: 26.6'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.39°
 Grid: East To Grid North
 File name: Y:\WINSER~1\2015SU~1\MATADOR\MO\TIGER\14224H.SVY
 Date/Time: 13-Jan-15 / 11:39
 Curve Name: Surface - 2614' M.D. (Rate Gyro)

MS Survey

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 2614' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
Harley Patterson 1/12/15
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40.00	.19	160.24	40.00	-.06	.02	-.06	.07	160.23	.48
70.00	.17	161.24	70.00	-.15	.05	-.15	.16	160.51	.07
130.00	.23	133.05	130.00	-.32	.17	-.32	.36	151.83	.19
222.00	.43	204.47	222.00	-.76	.16	-.76	.78	167.93	.45
314.00	.97	217.45	313.99	-1.69	-.45	-1.69	1.75	195.04	.61
406.00	1.50	230.10	405.97	-3.08	-1.85	-3.08	3.59	211.00	.64
498.00	1.39	233.10	497.94	-4.52	-3.67	-4.52	5.82	219.04	.15
590.00	1.52	249.26	589.91	-5.63	-5.70	-5.63	8.01	225.38	.47
682.00	1.43	249.82	681.88	-6.45	-7.92	-6.45	10.22	230.82	.10

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
774.00	1.30	238.97	773.85	-7.39	-9.89	-7.39	12.35	233.25	.31
866.00	1.22	234.53	865.83	-8.49	-11.58	-8.49	14.36	233.75	.14
958.00	1.09	239.91	957.81	-9.50	-13.14	-9.50	16.21	234.13	.18
1050.00	1.34	222.49	1049.79	-10.73	-14.62	-10.73	18.14	233.72	.48
1142.00	1.39	200.33	1141.77	-12.57	-15.74	-12.57	20.14	231.38	.57
1234.00	1.57	151.16	1233.74	-14.72	-15.52	-14.72	21.39	226.50	1.35
1326.00	1.69	109.41	1325.71	-16.28	-13.63	-16.28	21.23	219.94	1.27
1418.00	1.99	67.23	1417.66	-16.11	-10.88	-16.11	19.44	214.02	1.47
1510.00	1.90	8.24	1509.62	-13.98	-9.18	-13.98	16.73	213.30	2.08
1602.00	1.81	306.49	1601.58	-11.61	-10.13	-11.61	15.41	221.12	2.07
1694.00	1.66	243.99	1693.54	-11.33	-12.50	-11.33	16.87	227.81	1.96
1786.00	1.54	184.36	1785.51	-13.15	-13.79	-13.15	19.05	226.37	1.73
1878.00	1.38	116.34	1877.49	-14.87	-12.89	-14.87	19.68	220.92	1.78
1970.00	1.74	64.33	1969.46	-14.76	-10.64	-14.76	18.19	215.79	1.53
2062.00	1.21	54.43	2061.43	-13.59	-8.59	-13.59	16.08	212.31	.64
2154.00	1.26	9.68	2153.41	-12.03	-7.63	-12.03	14.24	212.40	1.02
2246.00	.65	299.49	2245.40	-10.77	-7.92	-10.77	13.37	216.31	1.31
2338.00	1.29	142.77	2337.39	-11.34	-7.74	-11.34	13.73	214.33	2.07
2430.00	1.99	97.23	2429.36	-12.36	-5.53	-12.36	13.55	204.10	1.55
2522.00	1.41	55.69	2521.32	-11.93	-3.01	-11.93	12.30	194.17	1.44

Last Survey Depth Recorded

2614.00	1.36	6.78	2613.30	-10.21	-1.95	-10.21	10.39	190.81	1.25
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