

H-0000 OCD

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Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'

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**BAKER
HUGHES**
a GE company


REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Buiduyh
Scale	0.999979	Report Generated	27/Aug/2018 at 10:43
Convergence at slot	0.43° East	Database/Source file	WellArchitectDB/Strong_14_24_33_AR_No._214H_awp_48_-_17136_Proj_17191_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	747147.00	445856.00	32°13'23.695"N	103°32'02.904"W
Facility Reference Pt			747147.00	445856.00	32°13'23.695"N	103°32'02.904"W
Field Reference Pt			152400.30	0.00	30°59'42.846"N	105°26'33.659"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig: Patterson 297 (KB) to Facility Vertical Datum	3632.00ft
Horizontal Reference Pt	Slot	Rig: Patterson 297 (KB) to Mean Sea Level	3632.00ft
Vertical Reference Pt	Rig: Patterson 297 (KB)	Rig: Patterson 297 (KB) to Ground Level at Slot (Strong Fee 14-24S-33E AR No. 214)	29.00ft
MD Reference Pt	Rig: Patterson 297 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.55°

We hereby certify that the surveys contained herein, are to the best of our knowledge a true and accurate account of the well.

MWD COORDINATOR



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Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS ["/100ft]	Comments
0.00†	0.000	159.580	0.00	0.00	0.00	0.00	747147.00	445856.00	32°13'23.695°N	103°32'02.904°W	0.00	
29.00	0.000	159.580	29.00	0.00	0.00	0.00	747147.00	445856.00	32°13'23.695°N	103°32'02.904°W	0.00	
48.00	0.720	159.580	48.00	0.11	-0.11	0.04	747147.04	445855.89	32°13'23.694°N	103°32'02.904°W	3.79	
68.00	0.760	134.760	68.00	0.32	-0.32	0.18	747147.18	445855.68	32°13'23.692°N	103°32'02.902°W	1.60	
88.00	0.770	158.750	88.00	0.54	-0.54	0.32	747147.32	445855.46	32°13'23.689°N	103°32'02.901°W	1.59	
108.00	0.820	136.530	107.99	0.77	-0.77	0.47	747147.47	445855.23	32°13'23.687°N	103°32'02.899°W	1.55	
128.00	0.720	158.920	127.99	1.00	-0.99	0.61	747147.61	445855.01	32°13'23.685°N	103°32'02.897°W	1.57	
148.00	0.880	140.220	147.99	1.23	-1.23	0.76	747147.76	445854.77	32°13'23.683°N	103°32'02.896°W	1.52	
168.00	0.680	143.320	167.99	1.45	-1.44	0.93	747147.93	445854.56	32°13'23.680°N	103°32'02.894°W	1.02	
188.00	0.830	158.450	187.99	1.68	-1.67	1.05	747148.05	445854.33	32°13'23.678°N	103°32'02.892°W	1.24	
208.00	0.800	136.700	207.99	1.92	-1.91	1.20	747148.20	445854.09	32°13'23.676°N	103°32'02.891°W	1.54	
228.00	0.740	157.580	227.98	2.14	-2.13	1.34	747148.34	445853.87	32°13'23.674°N	103°32'02.889°W	1.43	
248.00	0.880	142.030	247.98	2.38	-2.37	1.49	747148.49	445853.63	32°13'23.671°N	103°32'02.887°W	1.30	
268.00	0.710	151.780	267.98	2.61	-2.60	1.64	747148.64	445853.40	32°13'23.669°N	103°32'02.885°W	1.08	
288.00	0.890	153.680	287.98	2.86	-2.85	1.77	747148.77	445853.15	32°13'23.668°N	103°32'02.884°W	0.91	
308.00	0.770	137.740	307.98	3.10	-3.09	1.93	747148.93	445852.91	32°13'23.664°N	103°32'02.882°W	1.29	
328.00	0.700	154.570	327.97	3.31	-3.30	2.07	747149.07	445852.70	32°13'23.662°N	103°32'02.880°W	1.13	
348.00	0.880	156.980	347.97	3.56	-3.55	2.18	747149.18	445852.45	32°13'23.659°N	103°32'02.879°W	0.92	
368.00	0.860	135.680	367.97	3.81	-3.80	2.35	747149.35	445852.20	32°13'23.657°N	103°32'02.877°W	1.61	
388.00	0.680	147.980	387.97	4.02	-4.00	2.51	747149.51	445852.00	32°13'23.655°N	103°32'02.875°W	1.28	
408.00	0.790	155.330	407.97	4.24	-4.22	2.63	747149.63	445851.78	32°13'23.653°N	103°32'02.874°W	0.80	
428.00	0.810	136.640	427.96	4.47	-4.45	2.79	747149.79	445851.55	32°13'23.650°N	103°32'02.872°W	1.30	
448.00	0.580	138.240	447.96	4.65	-4.63	2.95	747149.95	445851.37	32°13'23.649°N	103°32'02.870°W	1.15	
468.00	0.670	156.520	467.96	4.84	-4.81	3.07	747150.07	445851.19	32°13'23.647°N	103°32'02.869°W	1.09	
488.00	0.820	142.620	487.96	5.06	-5.03	3.20	747150.20	445850.97	32°13'23.645°N	103°32'02.868°W	1.17	
508.00	0.680	130.630	507.96	5.25	-5.22	3.38	747150.38	445850.78	32°13'23.643°N	103°32'02.865°W	1.05	
528.00	0.540	146.100	527.96	5.41	-5.38	3.52	747150.52	445850.62	32°13'23.641°N	103°32'02.864°W	1.07	
548.00	0.630	157.330	547.96	5.59	-5.56	3.61	747150.61	445850.44	32°13'23.639°N	103°32'02.863°W	0.73	
568.00	0.780	146.090	567.95	5.80	-5.77	3.73	747150.73	445850.23	32°13'23.637°N	103°32'02.861°W	1.02	
588.00	0.750	131.970	587.95	6.01	-5.97	3.91	747150.91	445850.03	32°13'23.635°N	103°32'02.859°W	0.95	



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Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
608.00	0.590	126.040	607.95	6.15	-6.12	4.09	747151.09	445849.88	32°13'23.634"N	103°32'02.857"W	0.87	
628.00	0.550	125.100	627.95	6.27	-6.24	4.25	747151.25	445849.76	32°13'23.633"N	103°32'02.855"W	0.21	
648.00	0.540	127.260	647.95	6.39	-6.35	4.40	747151.40	445849.65	32°13'23.632"N	103°32'02.854"W	0.11	
668.00	0.540	128.010	667.95	6.50	-6.47	4.55	747151.55	445849.53	32°13'23.630"N	103°32'02.852"W	0.04	
688.00	0.550	124.550	687.95	6.62	-6.58	4.70	747151.70	445849.42	32°13'23.629"N	103°32'02.850"W	0.17	
708.00	0.580	125.200	707.95	6.73	-6.69	4.87	747151.87	445849.31	32°13'23.628"N	103°32'02.848"W	0.15	
728.00	0.590	124.050	727.95	6.85	-6.81	5.03	747152.03	445849.19	32°13'23.627"N	103°32'02.846"W	0.08	
748.00	0.580	123.170	747.94	6.96	-6.92	5.20	747152.20	445849.08	32°13'23.626"N	103°32'02.844"W	0.07	
768.00	0.540	126.460	767.94	7.07	-7.03	5.36	747152.36	445848.97	32°13'23.625"N	103°32'02.842"W	0.26	
788.00	0.500	122.340	787.94	7.18	-7.13	5.51	747152.51	445848.87	32°13'23.624"N	103°32'02.841"W	0.27	
808.00	0.450	121.740	807.94	7.27	-7.22	5.65	747152.65	445848.78	32°13'23.623"N	103°32'02.839"W	0.25	
828.00	0.420	124.450	827.94	7.35	-7.31	5.78	747152.78	445848.69	32°13'23.622"N	103°32'02.838"W	0.18	
848.00	0.350	128.700	847.94	7.43	-7.38	5.89	747152.89	445848.62	32°13'23.621"N	103°32'02.836"W	0.38	
868.00	0.370	133.500	867.94	7.51	-7.47	5.98	747152.98	445848.53	32°13'23.620"N	103°32'02.835"W	0.18	
888.00	0.370	139.450	887.94	7.61	-7.56	6.07	747153.07	445848.44	32°13'23.619"N	103°32'02.834"W	0.19	
908.00	0.350	133.240	907.94	7.70	-7.65	6.16	747153.16	445848.35	32°13'23.619"N	103°32'02.833"W	0.22	
928.00	0.340	137.410	927.94	7.79	-7.74	6.24	747153.24	445848.26	32°13'23.618"N	103°32'02.832"W	0.14	
948.00	0.290	142.800	947.94	7.87	-7.82	6.31	747153.31	445848.18	32°13'23.617"N	103°32'02.831"W	0.29	
968.00	0.280	158.000	967.94	7.96	-7.91	6.36	747153.36	445848.09	32°13'23.616"N	103°32'02.831"W	0.38	
988.00	0.280	164.930	987.94	8.05	-8.00	6.39	747153.39	445848.00	32°13'23.615"N	103°32'02.831"W	0.17	
1008.00	0.260	180.460	1007.94	8.14	-8.09	6.41	747153.41	445847.91	32°13'23.614"N	103°32'02.830"W	0.38	
1028.00	0.280	182.880	1027.94	8.24	-8.19	6.40	747153.40	445847.81	32°13'23.613"N	103°32'02.830"W	0.12	
1048.00	0.320	185.210	1047.94	8.34	-8.29	6.40	747153.40	445847.71	32°13'23.612"N	103°32'02.831"W	0.21	
1068.00	0.340	187.430	1067.94	8.46	-8.41	6.38	747153.38	445847.59	32°13'23.611"N	103°32'02.831"W	0.12	
1088.00	0.400	183.930	1087.94	8.58	-8.53	6.37	747153.37	445847.47	32°13'23.610"N	103°32'02.831"W	0.32	
1108.00	0.440	185.550	1107.94	8.73	-8.68	6.36	747153.36	445847.32	32°13'23.608"N	103°32'02.831"W	0.21	
1128.00	0.460	184.280	1127.94	8.89	-8.84	6.35	747153.35	445847.16	32°13'23.607"N	103°32'02.831"W	0.11	
1148.00	0.510	183.910	1147.94	9.05	-9.01	6.33	747153.33	445846.99	32°13'23.605"N	103°32'02.831"W	0.25	
1168.00	0.510	186.720	1167.93	9.23	-9.18	6.32	747153.32	445846.82	32°13'23.603"N	103°32'02.832"W	0.13	
1188.00	0.550	184.400	1187.93	9.42	-9.37	6.30	747153.30	445846.63	32°13'23.602"N	103°32'02.832"W	0.23	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD (ft)	Inclination [°]	Azimuth [°]	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
1208.00	0.570	191.960	1207.93	9.61	-9.56	6.27	747153.27	445846.44	32°13'23.600"N	103°32'02.832"W	0.38	
1228.00	0.620	191.340	1227.93	9.81	-9.76	6.23	747153.23	445846.24	32°13'23.598"N	103°32'02.833"W	0.25	
1248.00	0.630	195.100	1247.93	10.02	-9.98	6.18	747153.18	445846.02	32°13'23.596"N	103°32'02.833"W	0.21	
1268.00	0.640	196.960	1267.93	10.24	-10.19	6.12	747153.12	445845.81	32°13'23.593"N	103°32'02.834"W	0.11	
1288.00	0.630	197.810	1287.93	10.45	-10.40	6.05	747153.05	445845.60	32°13'23.591"N	103°32'02.835"W	0.07	
1308.00	0.620	202.670	1307.93	10.65	-10.60	5.98	747152.98	445845.40	32°13'23.589"N	103°32'02.836"W	0.27	
1328.00	0.590	206.910	1327.93	10.84	-10.80	5.89	747152.89	445845.20	32°13'23.587"N	103°32'02.837"W	0.27	
1348.00	0.580	217.520	1347.92	11.01	-10.97	5.78	747152.78	445845.03	32°13'23.586"N	103°32'02.838"W	0.54	
1368.00	0.600	220.740	1367.92	11.17	-11.13	5.65	747152.65	445844.87	32°13'23.584"N	103°32'02.839"W	0.19	
1388.00	0.610	226.040	1387.92	11.32	-11.28	5.51	747152.51	445844.72	32°13'23.583"N	103°32'02.841"W	0.28	
1408.00	0.630	226.490	1407.92	11.47	-11.43	5.35	747152.35	445844.57	32°13'23.581"N	103°32'02.843"W	0.10	
1428.00	0.620	233.870	1427.92	11.61	-11.57	5.18	747152.18	445844.43	32°13'23.580"N	103°32'02.845"W	0.41	
1448.00	0.610	233.720	1447.92	11.74	-11.70	5.01	747152.01	445844.30	32°13'23.579"N	103°32'02.847"W	0.05	
1468.00	0.580	229.670	1467.92	11.86	-11.83	4.85	747151.85	445844.17	32°13'23.577"N	103°32'02.849"W	0.26	
1488.00	0.590	234.580	1487.92	11.99	-11.95	4.68	747151.68	445844.05	32°13'23.576"N	103°32'02.851"W	0.26	
1508.00	0.570	239.710	1507.92	12.10	-12.06	4.51	747151.51	445843.94	32°13'23.575"N	103°32'02.853"W	0.28	
1528.00	0.560	235.230	1527.92	12.20	-12.17	4.35	747151.35	445843.83	32°13'23.574"N	103°32'02.855"W	0.23	
1548.00	0.570	238.810	1547.91	12.31	-12.27	4.18	747151.18	445843.73	32°13'23.573"N	103°32'02.857"W	0.18	
1568.00	0.590	238.970	1567.91	12.41	-12.38	4.01	747151.01	445843.62	32°13'23.572"N	103°32'02.859"W	0.10	
1588.00	0.610	244.120	1587.91	12.51	-12.48	3.83	747150.83	445843.52	32°13'23.571"N	103°32'02.861"W	0.29	
1608.00	0.640	245.280	1607.91	12.60	-12.57	3.63	747150.63	445843.43	32°13'23.570"N	103°32'02.863"W	0.16	
1628.00	0.630	246.180	1627.91	12.69	-12.66	3.43	747150.43	445843.34	32°13'23.569"N	103°32'02.866"W	0.07	
1648.00	0.630	248.040	1647.91	12.77	-12.75	3.22	747150.22	445843.25	32°13'23.568"N	103°32'02.868"W	0.10	
1668.00	0.610	249.820	1667.91	12.85	-12.83	3.02	747150.02	445843.17	32°13'23.568"N	103°32'02.870"W	0.14	
1688.00	0.610	252.170	1687.91	12.92	-12.89	2.82	747149.82	445843.11	32°13'23.567"N	103°32'02.873"W	0.13	
1708.00	0.600	252.980	1707.90	12.98	-12.96	2.62	747149.62	445843.04	32°13'23.566"N	103°32'02.875"W	0.07	
1728.00	0.580	256.220	1727.90	13.03	-13.01	2.42	747149.42	445842.99	32°13'23.566"N	103°32'02.877"W	0.19	
1748.00	0.560	262.290	1747.90	13.07	-13.05	2.23	747149.23	445842.95	32°13'23.565"N	103°32'02.880"W	0.32	
1768.00	0.530	262.530	1767.90	13.09	-13.08	2.04	747149.04	445842.93	32°13'23.565"N	103°32'02.882"W	0.15	
1788.00	0.530	267.200	1787.90	13.11	-13.09	1.85	747148.85	445842.91	32°13'23.565"N	103°32'02.884"W	0.22	



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Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
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Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
1808.00	0.470	268.760	1807.90	13.11	-13.10	1.68	747148.68	445842.90	32°13'23.565°N	103°32'02.886°W	0.31	
1828.00	0.430	267.190	1827.90	13.11	-13.10	1.52	747148.52	445842.90	32°13'23.565°N	103°32'02.888°W	0.21	
1848.00	0.390	270.680	1847.90	13.12	-13.11	1.38	747148.38	445842.89	32°13'23.565°N	103°32'02.889°W	0.24	
1868.00	0.310	258.080	1867.90	13.13	-13.12	1.26	747148.26	445842.88	32°13'23.565°N	103°32'02.891°W	0.55	
1888.00	0.270	249.680	1887.90	13.15	-13.14	1.16	747148.16	445842.86	32°13'23.565°N	103°32'02.892°W	0.29	
1908.00	0.340	231.530	1907.90	13.21	-13.20	1.07	747148.07	445842.80	32°13'23.564°N	103°32'02.893°W	0.59	
1928.00	0.420	226.730	1927.90	13.29	-13.28	0.97	747147.97	445842.72	32°13'23.563°N	103°32'02.894°W	0.43	
1948.00	0.640	253.520	1947.90	13.37	-13.37	0.81	747147.81	445842.63	32°13'23.562°N	103°32'02.896°W	1.63	
1968.00	0.900	269.730	1967.90	13.40	-13.40	0.55	747147.55	445842.60	32°13'23.562°N	103°32'02.899°W	1.68	
1988.00	1.200	273.880	1987.89	13.39	-13.39	0.18	747147.18	445842.61	32°13'23.562°N	103°32'02.903°W	1.55	
2008.00	1.410	279.400	2007.89	13.33	-13.33	-0.27	747146.73	445842.67	32°13'23.563°N	103°32'02.909°W	1.22	
2028.00	1.550	279.950	2027.88	13.24	-13.24	-0.78	747146.22	445842.76	32°13'23.564°N	103°32'02.915°W	0.70	
2048.00	1.610	281.580	2047.87	13.13	-13.14	-1.32	747145.68	445842.86	32°13'23.565°N	103°32'02.921°W	0.37	
2068.00	1.670	283.100	2067.86	13.00	-13.02	-1.88	747145.12	445842.98	32°13'23.566°N	103°32'02.927°W	0.37	
2088.00	1.720	285.180	2087.86	12.85	-12.87	-2.48	747144.54	445843.13	32°13'23.568°N	103°32'02.934°W	0.40	
2108.00	1.750	285.650	2107.85	12.69	-12.71	-3.04	747143.96	445843.29	32°13'23.569°N	103°32'02.941°W	0.17	
2128.00	1.930	288.080	2127.84	12.50	-12.53	-3.65	747143.35	445843.47	32°13'23.571°N	103°32'02.948°W	0.98	
2148.00	2.100	289.160	2147.82	12.27	-12.30	-4.32	747142.68	445843.70	32°13'23.573°N	103°32'02.956°W	0.87	
2168.00	2.400	291.960	2167.81	11.98	-12.02	-5.05	747141.95	445843.98	32°13'23.576°N	103°32'02.964°W	1.60	
2188.00	2.600	293.220	2187.79	11.64	-11.69	-5.86	747141.14	445844.31	32°13'23.580°N	103°32'02.974°W	1.04	
2208.00	2.740	294.320	2207.77	11.26	-11.31	-6.71	747140.29	445844.69	32°13'23.583°N	103°32'02.983°W	0.75	
2228.00	2.900	294.250	2227.74	10.85	-10.91	-7.61	747139.39	445845.09	32°13'23.587°N	103°32'02.994°W	0.80	
2248.00	3.050	294.270	2247.72	10.41	-10.48	-8.56	747138.44	445845.52	32°13'23.592°N	103°32'03.005°W	0.75	
2268.00	3.240	293.340	2267.69	9.96	-10.04	-9.56	747137.44	445845.96	32°13'23.596°N	103°32'03.016°W	0.98	
2288.00	3.330	293.630	2287.65	9.50	-9.58	-10.61	747136.39	445846.42	32°13'23.601°N	103°32'03.029°W	0.46	
2308.00	3.370	293.640	2307.62	9.02	-9.11	-11.68	747135.32	445846.89	32°13'23.605°N	103°32'03.041°W	0.20	
2328.00	3.460	294.500	2327.58	8.53	-8.63	-12.77	747134.23	445847.37	32°13'23.610°N	103°32'03.054°W	0.52	
2348.00	3.730	297.440	2347.54	7.97	-8.08	-13.90	747133.10	445847.92	32°13'23.616°N	103°32'03.067°W	1.63	
2368.00	3.930	299.290	2367.50	7.32	-7.44	-15.07	747131.93	445848.56	32°13'23.622°N	103°32'03.080°W	1.18	
2388.00	4.050	300.860	2387.45	6.62	-6.75	-16.27	747130.73	445849.25	32°13'23.629°N	103°32'03.094°W	0.81	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2408.00	4.170	302.190	2407.40	5.86	-6.00	-17.50	747129.50	445850.00	32°13'23.637"N	103°32'03.108"W	0.77	
2428.00	4.280	302.710	2427.35	5.06	-5.21	-18.74	747128.26	445850.79	32°13'23.645"N	103°32'03.123"W	0.58	
2448.00	4.500	305.460	2447.29	4.19	-4.35	-20.01	747126.99	445851.65	32°13'23.653"N	103°32'03.138"W	1.52	
2468.00	4.640	306.070	2467.22	3.25	-3.42	-21.30	747125.70	445852.58	32°13'23.663"N	103°32'03.153"W	0.74	
2488.00	4.840	306.640	2487.15	2.26	-2.44	-22.63	747124.37	445853.56	32°13'23.672"N	103°32'03.168"W	1.03	
2508.00	5.110	308.140	2507.08	1.19	-1.38	-24.01	747122.99	445854.62	32°13'23.683"N	103°32'03.184"W	1.50	
2528.00	5.440	309.240	2526.99	0.03	-0.23	-25.44	747121.56	445855.77	32°13'23.694"N	103°32'03.200"W	1.73	
2548.00	6.100	310.340	2546.89	-1.27	1.06	-26.99	747120.01	445857.06	32°13'23.707"N	103°32'03.218"W	3.35	
2568.00	6.420	310.790	2566.77	-2.70	2.47	-28.64	747118.36	445858.47	32°13'23.721"N	103°32'03.238"W	1.62	
2588.00	6.600	310.850	2586.64	-4.19	3.98	-30.36	747116.84	445859.96	32°13'23.736"N	103°32'03.257"W	0.90	
2608.00	6.910	311.150	2606.51	-5.75	5.50	-32.13	747114.87	445861.50	32°13'23.752"N	103°32'03.278"W	1.56	
2628.00	7.210	311.490	2626.35	-7.39	7.12	-33.98	747113.02	445863.12	32°13'23.768"N	103°32'03.299"W	1.51	
2648.00	7.480	311.310	2646.19	-9.10	8.81	-35.90	747111.10	445864.81	32°13'23.785"N	103°32'03.321"W	1.35	
2668.00	7.650	311.000	2666.02	-10.84	10.55	-37.88	747109.12	445866.55	32°13'23.802"N	103°32'03.344"W	0.87	
2688.00	7.790	310.630	2685.83	-12.62	12.30	-39.91	747107.09	445868.30	32°13'23.819"N	103°32'03.368"W	0.74	
2708.00	8.010	309.410	2705.64	-14.40	14.07	-42.02	747104.98	445870.07	32°13'23.837"N	103°32'03.392"W	1.38	
2728.00	8.360	307.020	2725.44	-16.18	15.83	-44.26	747102.74	445871.83	32°13'23.855"N	103°32'03.418"W	2.44	
2748.00	8.570	306.100	2745.22	-17.95	17.58	-46.62	747100.38	445873.58	32°13'23.872"N	103°32'03.445"W	1.25	
2768.00	8.770	304.330	2764.99	-19.71	19.32	-49.09	747097.92	445875.32	32°13'23.890"N	103°32'03.474"W	1.67	
2788.00	8.860	302.680	2784.76	-21.42	21.01	-51.84	747095.36	445877.01	32°13'23.906"N	103°32'03.504"W	1.36	
2808.00	8.950	301.770	2804.52	-23.09	22.66	-54.26	747092.74	445878.66	32°13'23.923"N	103°32'03.534"W	0.82	
2828.00	9.060	298.050	2824.27	-24.67	24.22	-56.97	747090.03	445880.22	32°13'23.939"N	103°32'03.565"W	2.96	
2848.00	9.110	297.260	2844.02	-26.16	25.69	-59.77	747087.23	445881.69	32°13'23.953"N	103°32'03.598"W	0.67	
2868.00	9.160	296.590	2863.77	-27.62	27.13	-62.60	747084.40	445883.12	32°13'23.968"N	103°32'03.631"W	0.59	
2888.00	9.240	294.590	2883.51	-29.02	28.51	-65.48	747081.52	445884.51	32°13'23.982"N	103°32'03.664"W	1.65	
2908.00	9.370	293.550	2903.25	-30.36	29.82	-68.44	747078.56	445885.82	32°13'23.995"N	103°32'03.698"W	1.06	
2928.00	9.530	291.930	2922.97	-31.65	31.09	-71.47	747075.54	445887.09	32°13'24.008"N	103°32'03.733"W	1.55	
2948.00	9.570	291.560	2942.70	-32.91	32.32	-74.55	747072.45	445888.32	32°13'24.020"N	103°32'03.769"W	0.37	
2968.00	9.560	292.120	2962.42	-34.17	33.56	-77.63	747069.37	445889.56	32°13'24.033"N	103°32'03.805"W	0.47	
2988.00	9.610	291.770	2982.14	-35.44	34.80	-80.72	747066.28	445890.80	32°13'24.045"N	103°32'03.841"W	0.38	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3008.00	9.650	291.890	3001.86	-36.70	36.05	-83.83	747063.17	445892.05	32°13'24.058"N	103°32'03.877"W	0.22	
3028.00	9.630	291.700	3021.58	-37.97	37.29	-86.94	747060.06	445893.29	32°13'24.070"N	103°32'03.913"W	0.19	
3048.00	9.550	291.610	3041.30	-39.23	38.52	-90.03	747056.97	445894.52	32°13'24.083"N	103°32'03.949"W	0.41	
3068.00	9.430	291.540	3061.02	-40.46	39.73	-93.10	747053.90	445895.73	32°13'24.095"N	103°32'03.985"W	0.60	
3088.00	9.380	291.800	3080.75	-41.69	40.94	-96.14	747050.86	445896.94	32°13'24.107"N	103°32'04.020"W	0.33	
3108.00	9.280	291.640	3100.49	-42.92	42.14	-99.15	747047.85	445898.14	32°13'24.119"N	103°32'04.055"W	0.52	
3128.00	9.210	291.500	3120.23	-44.12	43.32	-102.14	747044.86	445899.32	32°13'24.131"N	103°32'04.089"W	0.37	
3148.00	9.160	291.540	3139.97	-45.32	44.49	-105.11	747041.89	445900.49	32°13'24.143"N	103°32'04.124"W	0.25	
3168.00	9.160	291.580	3159.72	-46.51	45.66	-108.07	747038.93	445901.66	32°13'24.155"N	103°32'04.158"W	0.03	
3188.00	9.110	291.490	3179.46	-47.70	46.83	-111.02	747035.98	445902.83	32°13'24.166"N	103°32'04.193"W	0.28	
3208.00	8.950	291.340	3199.22	-48.87	47.97	-113.94	747033.06	445903.97	32°13'24.178"N	103°32'04.226"W	0.81	
3228.00	8.890	291.390	3218.97	-50.02	49.10	-116.83	747030.17	445905.10	32°13'24.189"N	103°32'04.260"W	0.30	
3248.00	8.750	291.060	3238.74	-51.15	50.21	-119.69	747027.31	445906.21	32°13'24.200"N	103°32'04.293"W	0.74	
3268.00	8.620	290.810	3258.51	-52.25	51.29	-122.51	747024.49	445907.29	32°13'24.211"N	103°32'04.326"W	0.68	
3288.00	8.620	290.620	3278.28	-53.34	52.35	-125.32	747021.69	445908.35	32°13'24.222"N	103°32'04.358"W	0.14	
3308.00	8.610	290.610	3298.06	-54.41	53.41	-128.12	747018.88	445909.41	32°13'24.233"N	103°32'04.391"W	0.05	
3328.00	8.600	290.280	3317.83	-55.48	54.45	-130.92	747016.08	445910.45	32°13'24.243"N	103°32'04.424"W	0.25	
3348.00	8.610	289.940	3337.61	-56.53	55.48	-133.73	747013.27	445911.48	32°13'24.254"N	103°32'04.456"W	0.26	
3368.00	8.610	289.590	3357.38	-57.57	56.49	-136.55	747010.45	445912.49	32°13'24.264"N	103°32'04.489"W	0.26	
3388.00	8.660	288.310	3377.16	-58.58	57.47	-139.39	747007.61	445913.47	32°13'24.274"N	103°32'04.522"W	0.99	
3408.00	8.670	288.060	3396.93	-59.53	58.41	-142.25	747004.75	445914.41	32°13'24.283"N	103°32'04.555"W	0.19	
3428.00	8.640	287.740	3416.70	-60.47	59.34	-145.12	747001.89	445915.33	32°13'24.293"N	103°32'04.588"W	0.28	
3448.00	8.590	287.020	3436.47	-61.39	60.23	-147.98	746999.03	445916.23	32°13'24.302"N	103°32'04.622"W	0.59	
3468.00	8.510	286.860	3456.25	-62.28	61.10	-150.82	746996.18	445917.10	32°13'24.310"N	103°32'04.655"W	0.42	
3488.00	8.350	286.360	3476.04	-63.14	61.93	-153.63	746993.37	445917.93	32°13'24.319"N	103°32'04.687"W	0.88	
3508.00	8.320	286.450	3495.82	-63.98	62.75	-156.41	746990.59	445918.75	32°13'24.327"N	103°32'04.720"W	0.16	
3528.00	8.380	286.320	3515.61	-64.82	63.57	-159.20	746987.81	445919.57	32°13'24.336"N	103°32'04.752"W	0.31	
3548.00	8.550	286.600	3535.39	-65.68	64.41	-162.02	746984.98	445920.41	32°13'24.344"N	103°32'04.785"W	0.87	
3568.00	8.940	287.160	3555.16	-66.58	65.29	-164.93	746982.07	445921.29	32°13'24.353"N	103°32'04.818"W	2.00	
3588.00	9.250	286.900	3574.91	-67.53	66.22	-167.95	746979.05	445922.21	32°13'24.362"N	103°32'04.854"W	1.56	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3608.00	9.400	286.890	3594.65	-68.50	67.16	-171.06	746975.95	445923.16	32°13'24.372"N	103°32'04.890"W	0.75	
3628.00	9.490	286.890	3614.37	-69.48	68.11	-174.20	746972.81	445924.11	32°13'24.382"N	103°32'04.926"W	0.45	
3648.00	9.520	286.830	3634.10	-70.46	69.07	-177.36	746969.65	445925.07	32°13'24.391"N	103°32'04.963"W	0.16	
3668.00	9.440	286.950	3653.83	-71.44	70.03	-180.51	746966.50	445926.02	32°13'24.401"N	103°32'04.999"W	0.41	
3688.00	9.390	286.910	3673.56	-72.42	70.98	-183.64	746963.37	445926.98	32°13'24.411"N	103°32'05.036"W	0.25	
3708.00	9.200	287.120	3693.29	-73.39	71.92	-186.73	746960.28	445927.92	32°13'24.420"N	103°32'05.072"W	0.97	
3728.00	9.110	287.240	3713.04	-74.35	72.86	-189.77	746957.24	445928.86	32°13'24.430"N	103°32'05.107"W	0.46	
3748.00	9.000	287.390	3732.79	-75.31	73.80	-192.77	746954.23	445929.80	32°13'24.439"N	103°32'05.142"W	0.56	
3768.00	8.840	287.720	3752.55	-76.27	74.74	-195.73	746951.28	445930.73	32°13'24.449"N	103°32'05.176"W	0.84	
3788.00	8.710	288.010	3772.31	-77.23	75.67	-198.63	746948.37	445931.67	32°13'24.458"N	103°32'05.210"W	0.69	
3808.00	8.540	288.170	3792.09	-78.18	76.60	-201.48	746945.52	445932.60	32°13'24.468"N	103°32'05.243"W	0.86	
3828.00	8.320	288.100	3811.87	-79.12	77.52	-204.27	746942.73	445933.51	32°13'24.477"N	103°32'05.275"W	1.10	
3848.00	8.160	288.290	3831.67	-80.03	78.41	-206.99	746940.01	445934.41	32°13'24.486"N	103°32'05.307"W	0.81	
3868.00	7.990	287.790	3851.47	-80.93	79.28	-209.66	746937.34	445935.28	32°13'24.495"N	103°32'05.338"W	0.92	
3888.00	7.970	287.720	3871.27	-81.79	80.13	-212.31	746934.70	445936.13	32°13'24.503"N	103°32'05.369"W	0.11	
3908.00	8.020	287.630	3891.08	-82.66	80.97	-214.96	746932.05	445936.97	32°13'24.512"N	103°32'05.399"W	0.26	
3928.00	8.370	285.040	3910.88	-83.48	81.77	-217.70	746929.31	445937.77	32°13'24.520"N	103°32'05.431"W	2.54	
3948.00	9.010	283.660	3930.65	-84.25	82.52	-220.62	746926.38	445938.52	32°13'24.528"N	103°32'05.465"W	3.37	
3968.00	9.810	281.320	3950.38	-84.98	83.22	-223.82	746923.19	445939.22	32°13'24.535"N	103°32'05.502"W	4.43	
3988.00	9.960	280.520	3970.08	-85.68	83.88	-227.19	746919.82	445939.87	32°13'24.541"N	103°32'05.541"W	1.02	
4008.00	10.020	280.420	3989.78	-86.31	84.51	-230.60	746916.41	445940.50	32°13'24.548"N	103°32'05.581"W	0.31	
4028.00	10.040	280.460	4009.47	-86.97	85.14	-234.02	746912.98	445941.13	32°13'24.554"N	103°32'05.621"W	0.11	
4048.00	9.940	279.800	4029.17	-87.61	85.75	-237.44	746909.57	445941.75	32°13'24.561"N	103°32'05.661"W	0.76	
4068.00	9.890	279.740	4048.87	-88.22	86.33	-240.83	746906.17	445942.33	32°13'24.567"N	103°32'05.700"W	0.26	
4088.00	9.690	279.410	4068.58	-88.81	86.90	-244.19	746902.82	445942.90	32°13'24.573"N	103°32'05.739"W	1.04	
4108.00	9.560	279.260	4088.30	-89.38	87.44	-247.49	746899.52	445943.44	32°13'24.578"N	103°32'05.777"W	0.66	
4128.00	9.470	279.200	4108.02	-89.94	87.97	-250.75	746896.26	445943.97	32°13'24.584"N	103°32'05.815"W	0.45	
4148.00	9.230	279.110	4127.76	-90.48	88.49	-253.96	746893.05	445944.49	32°13'24.589"N	103°32'05.853"W	1.20	
4168.00	9.170	279.470	4147.50	-91.02	89.00	-257.11	746889.89	445945.00	32°13'24.594"N	103°32'05.889"W	0.42	
4188.00	9.180	279.790	4167.24	-91.58	89.54	-260.26	746886.75	445945.53	32°13'24.600"N	103°32'05.926"W	0.28	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4208.00	9.230	282.670	4186.98	-92.23	90.16	-263.39	746883.61	445946.16	32°13'24.606"N	103°32'05.962"W	2.32	
4228.00	9.350	285.140	4206.72	-93.03	90.94	-266.53	746880.48	445946.93	32°13'24.614"N	103°32'05.999"W	2.08	
4248.00	9.490	287.920	4226.45	-93.98	91.87	-269.66	746877.34	445947.87	32°13'24.624"N	103°32'06.035"W	2.38	
4268.00	9.520	287.960	4246.18	-95.02	92.88	-272.81	746874.20	445948.88	32°13'24.634"N	103°32'06.072"W	0.15	
4288.00	9.540	287.920	4265.90	-96.07	93.90	-275.96	746871.05	445949.90	32°13'24.644"N	103°32'06.108"W	0.11	
4308.00	9.490	288.030	4285.63	-97.11	94.93	-279.10	746867.91	445950.92	32°13'24.655"N	103°32'06.145"W	0.27	
4328.00	9.400	287.680	4305.36	-98.14	95.93	-282.23	746864.78	445951.93	32°13'24.665"N	103°32'06.181"W	0.53	
4348.00	9.280	287.680	4325.09	-99.16	96.92	-285.32	746861.69	445952.91	32°13'24.675"N	103°32'06.217"W	0.60	
4368.00	8.980	286.920	4344.84	-100.12	97.86	-288.35	746858.66	445953.86	32°13'24.684"N	103°32'06.252"W	1.62	
4388.00	8.780	286.670	4364.60	-101.04	98.75	-291.30	746855.70	445954.75	32°13'24.693"N	103°32'06.287"W	0.97	
4408.00	8.620	286.460	4384.37	-101.92	99.62	-294.21	746852.80	445955.61	32°13'24.702"N	103°32'06.320"W	0.86	
4428.00	8.330	286.430	4404.15	-102.78	100.45	-297.03	746849.97	445956.45	32°13'24.711"N	103°32'06.353"W	1.45	
4448.00	8.140	286.670	4423.94	-103.62	101.27	-299.78	746847.23	445957.26	32°13'24.719"N	103°32'06.385"W	0.97	
4468.00	7.900	287.010	4443.75	-104.45	102.08	-302.45	746844.56	445958.07	32°13'24.727"N	103°32'06.416"W	1.22	
4488.00	7.850	287.420	4463.56	-105.28	102.89	-305.07	746841.94	445958.88	32°13'24.735"N	103°32'06.446"W	0.38	
4508.00	7.800	287.930	4483.37	-106.13	103.71	-307.66	746839.35	445959.71	32°13'24.744"N	103°32'06.477"W	0.43	
4528.00	7.760	288.320	4503.19	-106.99	104.56	-310.23	746836.77	445960.55	32°13'24.752"N	103°32'06.506"W	0.33	
4548.00	7.790	288.500	4523.00	-107.86	105.41	-312.80	746834.21	445961.41	32°13'24.761"N	103°32'06.536"W	0.19	
4568.00	7.800	288.940	4542.82	-108.75	106.28	-315.37	746831.64	445962.28	32°13'24.770"N	103°32'06.566"W	0.30	
4588.00	7.830	289.670	4562.63	-109.67	107.18	-317.94	746829.07	445963.18	32°13'24.779"N	103°32'06.596"W	0.52	
4608.00	8.030	291.010	4582.44	-110.65	108.14	-320.52	746826.48	445964.14	32°13'24.788"N	103°32'06.626"W	1.36	
4628.00	8.300	293.060	4602.24	-111.74	109.21	-323.16	746823.85	445965.20	32°13'24.799"N	103°32'06.656"W	1.99	
4648.00	8.410	293.840	4622.03	-112.92	110.36	-325.82	746821.18	445966.36	32°13'24.811"N	103°32'06.687"W	0.79	
4668.00	8.480	293.830	4641.81	-114.13	111.55	-328.51	746818.50	445967.55	32°13'24.823"N	103°32'06.719"W	0.35	
4688.00	8.530	293.580	4661.59	-115.34	112.74	-331.22	746815.79	445968.74	32°13'24.835"N	103°32'06.750"W	0.31	
4708.00	8.380	294.250	4681.37	-116.55	113.93	-333.91	746813.10	445969.93	32°13'24.847"N	103°32'06.781"W	0.90	
4728.00	8.260	294.450	4701.16	-117.76	115.12	-336.54	746810.47	445971.12	32°13'24.859"N	103°32'06.812"W	0.62	
4748.00	8.100	294.100	4720.96	-118.95	116.29	-339.14	746807.87	445972.29	32°13'24.870"N	103°32'06.842"W	0.84	
4768.00	8.030	293.950	4740.76	-120.12	117.44	-341.70	746805.31	445973.43	32°13'24.882"N	103°32'06.872"W	0.37	
4788.00	7.970	293.850	4760.57	-121.26	118.56	-344.24	746802.78	445974.56	32°13'24.893"N	103°32'06.901"W	0.31	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4808.00	7.890	293.130	4780.38	-122.38	119.66	-346.77	746800.23	445975.66	32°13'24.904°N	103°32'06.930°W	0.64	
4828.00	7.880	293.130	4800.19	-123.48	120.74	-349.30	746797.71	445976.74	32°13'24.915°N	103°32'06.960°W	0.05	
4848.00	7.890	293.150	4820.00	-124.58	121.82	-351.82	746795.19	445977.82	32°13'24.926°N	103°32'06.989°W	0.05	
4868.00	7.960	291.760	4839.81	-125.65	122.87	-354.37	746792.64	445978.87	32°13'24.937°N	103°32'07.019°W	1.02	
4888.00	8.210	291.280	4859.61	-126.70	123.90	-356.99	746790.02	445979.90	32°13'24.947°N	103°32'07.049°W	1.29	
4908.00	8.830	288.900	4879.39	-127.74	124.92	-359.77	746787.24	445980.92	32°13'24.957°N	103°32'07.081°W	3.57	
4928.00	9.120	287.620	4899.14	-128.74	125.90	-362.73	746784.28	445981.89	32°13'24.967°N	103°32'07.116°W	1.76	
4948.00	9.250	287.360	4918.89	-129.72	126.86	-365.78	746781.23	445982.85	32°13'24.977°N	103°32'07.151°W	0.68	
4968.00	9.320	287.280	4938.62	-130.71	127.82	-368.86	746778.15	445983.81	32°13'24.987°N	103°32'07.187°W	0.36	
4988.00	9.310	287.150	4958.36	-131.69	128.77	-371.95	746775.06	445984.77	32°13'24.996°N	103°32'07.223°W	0.12	
5008.00	9.290	287.230	4978.10	-132.67	129.73	-375.04	746771.97	445985.73	32°13'25.006°N	103°32'07.259°W	0.12	
5028.00	8.960	287.170	4997.84	-133.63	130.67	-378.07	746768.94	445986.66	32°13'25.016°N	103°32'07.294°W	1.65	
5048.00	8.730	287.210	5017.61	-134.56	131.58	-381.00	746766.00	445987.57	32°13'25.025°N	103°32'07.328°W	1.15	
5068.00	8.590	287.300	5037.38	-135.48	132.47	-383.88	746763.13	445988.47	32°13'25.034°N	103°32'07.361°W	0.70	
5088.00	8.590	287.110	5057.15	-136.39	133.35	-386.73	746760.27	445989.35	32°13'25.043°N	103°32'07.394°W	0.14	
5108.00	8.600	287.320	5076.93	-137.29	134.24	-389.59	746757.42	445990.23	32°13'25.052°N	103°32'07.428°W	0.16	
5128.00	8.620	287.230	5096.70	-138.21	135.13	-392.45	746754.56	445991.12	32°13'25.061°N	103°32'07.461°W	0.12	
5148.00	9.070	287.840	5116.47	-139.15	136.05	-395.38	746751.63	445992.05	32°13'25.070°N	103°32'07.495°W	2.30	
5168.00	9.560	288.150	5136.20	-140.18	137.05	-398.46	746748.55	445993.05	32°13'25.080°N	103°32'07.531°W	2.46	
5188.00	10.100	288.570	5155.91	-141.28	138.13	-401.70	746745.31	445994.13	32°13'25.091°N	103°32'07.568°W	2.72	
5208.00	10.220	288.550	5175.59	-142.43	139.25	-405.04	746741.96	445995.25	32°13'25.102°N	103°32'07.607°W	0.60	
5228.00	10.250	288.570	5195.28	-143.59	140.38	-408.41	746738.60	445996.38	32°13'25.114°N	103°32'07.646°W	0.15	
5248.00	10.260	288.520	5214.96	-144.75	141.52	-411.79	746735.22	445997.51	32°13'25.125°N	103°32'07.685°W	0.07	
5268.00	10.280	288.700	5234.64	-145.91	142.65	-415.17	746731.84	445998.65	32°13'25.137°N	103°32'07.725°W	0.19	
5288.00	10.320	288.650	5254.31	-147.08	143.80	-418.56	746728.45	445999.80	32°13'25.148°N	103°32'07.764°W	0.20	
5308.00	10.340	288.660	5273.99	-148.26	144.95	-421.95	746725.06	446000.94	32°13'25.160°N	103°32'07.803°W	0.10	
5328.00	10.370	288.700	5293.66	-149.43	146.10	-425.36	746721.65	446002.09	32°13'25.172°N	103°32'07.843°W	0.15	
5348.00	10.420	288.600	5313.34	-150.62	147.25	-428.78	746718.23	446003.25	32°13'25.183°N	103°32'07.883°W	0.27	
5368.00	10.470	288.440	5333.00	-151.79	148.40	-432.22	746714.79	446004.40	32°13'25.195°N	103°32'07.922°W	0.29	
5388.00	10.580	288.300	5352.67	-152.97	149.56	-435.68	746711.33	446005.55	32°13'25.207°N	103°32'07.963°W	0.56	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5408.00	10.670	288.200	5372.32	-154.15	150.71	-439.19	746707.82	446006.71	32°13'25.218"N	103°32'08.003"W	0.46	
5428.00	10.720	288.110	5391.98	-155.34	151.87	-442.71	746704.30	446007.86	32°13'25.230"N	103°32'08.044"W	0.26	
5448.00	10.790	288.210	5411.63	-156.53	153.03	-446.26	746700.75	446009.03	32°13'25.242"N	103°32'08.086"W	0.36	
5468.00	10.820	288.220	5431.27	-157.73	154.20	-449.82	746697.19	446010.20	32°13'25.254"N	103°32'08.127"W	0.15	
5488.00	10.870	288.110	5450.91	-158.93	155.37	-453.40	746693.61	446011.37	32°13'25.266"N	103°32'08.168"W	0.27	
5508.00	10.890	288.270	5470.55	-160.14	156.55	-456.98	746690.03	446012.55	32°13'25.277"N	103°32'08.210"W	0.18	
5528.00	10.770	287.560	5490.20	-161.32	157.71	-460.56	746686.45	446013.71	32°13'25.289"N	103°32'08.252"W	0.90	
5548.00	10.700	287.830	5509.85	-162.48	158.84	-464.11	746682.90	446014.84	32°13'25.301"N	103°32'08.293"W	0.43	
5568.00	10.640	287.590	5529.50	-163.64	159.97	-467.63	746679.38	446015.96	32°13'25.312"N	103°32'08.334"W	0.37	
5588.00	10.610	287.560	5549.16	-164.78	161.08	-471.15	746675.86	446017.08	32°13'25.323"N	103°32'08.375"W	0.15	
5608.00	10.680	287.780	5568.82	-165.93	162.20	-474.67	746672.34	446018.20	32°13'25.335"N	103°32'08.415"W	0.40	
5628.00	10.720	287.670	5588.47	-167.08	163.33	-478.21	746668.80	446019.33	32°13'25.346"N	103°32'08.457"W	0.22	
5648.00	10.750	287.520	5608.12	-168.24	164.46	-481.76	746665.25	446020.46	32°13'25.358"N	103°32'08.498"W	0.20	
5668.00	10.770	287.590	5627.77	-169.39	165.59	-485.32	746661.69	446021.58	32°13'25.369"N	103°32'08.539"W	0.12	
5688.00	10.820	287.520	5647.41	-170.55	166.72	-488.89	746658.12	446022.71	32°13'25.380"N	103°32'08.581"W	0.26	
5708.00	10.530	287.910	5667.07	-171.70	167.84	-492.42	746654.59	446023.84	32°13'25.392"N	103°32'08.622"W	1.49	
5728.00	9.830	288.970	5686.75	-172.85	168.96	-495.77	746651.24	446024.96	32°13'25.403"N	103°32'08.660"W	3.62	
5748.00	9.600	289.140	5706.46	-173.97	170.06	-498.96	746648.05	446026.06	32°13'25.414"N	103°32'08.698"W	1.16	
5768.00	9.450	289.050	5726.19	-175.08	171.14	-502.09	746644.92	446027.14	32°13'25.425"N	103°32'08.734"W	0.75	
5788.00	9.260	288.980	5745.92	-176.17	172.20	-505.16	746641.85	446028.20	32°13'25.436"N	103°32'08.770"W	0.95	
5808.00	9.150	288.640	5765.66	-177.22	173.24	-508.19	746638.82	446029.23	32°13'25.446"N	103°32'08.805"W	0.61	
5828.00	9.070	288.900	5785.41	-178.26	174.25	-511.19	746635.82	446030.25	32°13'25.457"N	103°32'08.840"W	0.45	
5848.00	9.030	288.730	5805.16	-179.30	175.27	-514.17	746632.84	446031.26	32°13'25.467"N	103°32'08.874"W	0.24	
5868.00	9.060	288.700	5824.91	-180.33	176.28	-517.15	746629.87	446032.27	32°13'25.477"N	103°32'08.909"W	0.15	
5888.00	9.060	288.710	5844.67	-181.37	177.29	-520.13	746626.88	446033.28	32°13'25.487"N	103°32'08.943"W	0.01	
5908.00	9.050	288.570	5864.42	-182.40	178.29	-523.11	746623.90	446034.29	32°13'25.497"N	103°32'08.978"W	0.12	
5928.00	9.070	288.710	5884.17	-183.43	179.30	-526.10	746620.92	446035.30	32°13'25.508"N	103°32'09.013"W	0.15	
5948.00	9.110	288.670	5903.92	-184.46	180.31	-529.09	746617.92	446036.31	32°13'25.518"N	103°32'09.047"W	0.20	
5968.00	9.100	288.510	5923.66	-185.49	181.32	-532.09	746614.92	446037.32	32°13'25.528"N	103°32'09.082"W	0.14	
5988.00	9.110	288.710	5943.41	-186.53	182.33	-535.09	748611.92	446038.33	32°13'25.538"N	103°32'09.117"W	0.17	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
6008.00	9.140	288.600	5963.16	-187.57	183.35	-538.09	746608.92	446039.34	32°13'25.549"N	103°32'09.152"W	0.17	
6028.00	9.130	288.600	5982.90	-188.60	184.36	-541.10	746605.91	446040.35	32°13'25.559"N	103°32'09.187"W	0.05	
6048.00	9.140	288.750	6002.65	-189.64	185.38	-544.11	746602.90	446041.37	32°13'25.569"N	103°32'09.222"W	0.13	
6068.00	9.100	288.540	6022.40	-190.68	186.39	-547.11	746599.90	446042.38	32°13'25.579"N	103°32'09.257"W	0.26	
6088.00	8.990	288.350	6042.15	-191.70	187.38	-550.10	746596.92	446043.38	32°13'25.589"N	103°32'09.291"W	0.57	
6108.00	8.810	288.300	6061.91	-192.69	188.36	-553.03	746593.98	446044.35	32°13'25.599"N	103°32'09.325"W	0.90	
6128.00	8.610	287.960	6081.68	-193.66	189.30	-555.91	746591.10	446045.29	32°13'25.609"N	103°32'09.359"W	1.03	
6148.00	8.530	288.270	6101.45	-194.61	190.23	-558.75	746588.27	446046.22	32°13'25.618"N	103°32'09.392"W	0.46	
6168.00	8.450	288.810	6121.24	-195.57	191.16	-561.54	746585.47	446047.16	32°13'25.628"N	103°32'09.424"W	0.56	
6188.00	8.330	291.570	6141.02	-196.60	192.17	-564.28	746582.73	446048.17	32°13'25.638"N	103°32'09.456"W	2.10	
6208.00	8.300	292.080	6160.81	-197.69	193.25	-566.97	746580.04	446049.24	32°13'25.649"N	103°32'09.487"W	0.40	
6228.00	8.310	292.250	6180.60	-198.80	194.34	-569.64	746577.37	446050.33	32°13'25.660"N	103°32'09.518"W	0.13	
6248.00	8.390	292.190	6200.39	-199.92	195.43	-572.33	746574.68	446051.43	32°13'25.671"N	103°32'09.549"W	0.40	
6268.00	8.560	292.680	6220.17	-201.07	196.56	-575.06	746571.96	446052.56	32°13'25.682"N	103°32'09.581"W	0.92	
6288.00	9.010	292.980	6239.94	-202.28	197.74	-577.87	746569.14	446053.74	32°13'25.694"N	103°32'09.614"W	2.26	
6308.00	9.220	292.890	6259.68	-203.53	198.98	-580.79	746566.22	446054.97	32°13'25.706"N	103°32'09.648"W	1.05	
6328.00	9.310	292.870	6279.42	-204.81	200.23	-583.76	746563.26	446056.23	32°13'25.719"N	103°32'09.682"W	0.45	
6348.00	9.320	292.960	6299.16	-206.09	201.49	-586.74	746560.28	446057.49	32°13'25.732"N	103°32'09.717"W	0.09	
6368.00	9.380	292.880	6318.89	-207.38	202.76	-589.73	746557.28	446058.75	32°13'25.744"N	103°32'09.751"W	0.31	
6388.00	9.390	292.820	6338.63	-208.67	204.02	-592.74	746554.28	446060.02	32°13'25.757"N	103°32'09.786"W	0.07	
6408.00	9.370	292.660	6358.36	-209.96	205.28	-595.74	746551.27	446061.28	32°13'25.770"N	103°32'09.821"W	0.16	
6428.00	9.310	292.540	6378.09	-211.23	206.53	-598.74	746548.27	446062.53	32°13'25.782"N	103°32'09.856"W	0.32	
6448.00	9.080	292.300	6397.84	-212.47	207.75	-601.69	746545.32	446063.75	32°13'25.795"N	103°32'09.890"W	1.17	
6468.00	8.990	292.190	6417.59	-213.68	208.94	-604.60	746542.41	446064.93	32°13'25.807"N	103°32'09.924"W	0.46	
6488.00	8.900	292.200	6437.34	-214.88	210.11	-607.48	746539.53	446066.11	32°13'25.819"N	103°32'09.957"W	0.45	
6508.00	8.870	292.230	6457.10	-216.07	211.28	-610.34	746536.67	446067.28	32°13'25.830"N	103°32'09.990"W	0.15	
6528.00	8.880	292.160	6476.87	-217.26	212.45	-613.20	746533.82	446068.44	32°13'25.842"N	103°32'10.024"W	0.07	
6548.00	8.920	292.290	6496.62	-218.45	213.62	-616.06	746530.95	446069.61	32°13'25.854"N	103°32'10.057"W	0.22	
6568.00	8.920	292.230	6516.38	-219.65	214.79	-618.93	746528.08	446070.79	32°13'25.866"N	103°32'10.090"W	0.05	
6588.00	8.960	292.240	6536.14	-220.85	215.97	-621.81	746525.21	446071.96	32°13'25.878"N	103°32'10.123"W	0.20	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
6608.00	9.030	292.260	6555.89	-222.05	217.15	-624.70	746522.31	446073.15	32°13'25.889"N	103°32'10.157"W	0.35	
6628.00	9.130	292.160	6575.64	-223.27	218.35	-627.62	746519.39	446074.34	32°13'25.901"N	103°32'10.191"W	0.51	
6648.00	9.360	292.370	6595.38	-224.51	219.56	-630.60	746516.42	446075.56	32°13'25.914"N	103°32'10.225"W	1.16	
6668.00	9.930	291.960	6615.10	-225.80	220.83	-633.70	746513.31	446076.82	32°13'25.926"N	103°32'10.262"W	2.87	
6688.00	10.180	291.850	6634.79	-227.13	222.13	-636.94	746510.07	446078.12	32°13'25.940"N	103°32'10.299"W	1.25	
6708.00	10.310	291.610	6654.47	-228.47	223.45	-640.24	746506.77	446079.44	32°13'25.953"N	103°32'10.337"W	0.68	
6728.00	10.370	291.530	6674.15	-229.81	224.77	-643.58	746503.43	446080.76	32°13'25.966"N	103°32'10.376"W	0.31	
6748.00	10.420	291.410	6693.82	-231.16	226.09	-646.94	746500.07	446082.08	32°13'25.979"N	103°32'10.415"W	0.27	
6768.00	10.440	291.570	6713.49	-232.51	227.41	-650.31	746496.70	446083.41	32°13'25.993"N	103°32'10.454"W	0.18	
6788.00	10.380	291.370	6733.16	-233.86	228.74	-653.67	746493.34	446084.73	32°13'26.006"N	103°32'10.493"W	0.35	
6808.00	10.310	291.300	6752.84	-235.20	230.04	-657.02	746490.00	446086.04	32°13'26.019"N	103°32'10.532"W	0.36	
6828.00	10.250	291.280	6772.52	-236.52	231.34	-660.34	746486.67	446087.33	32°13'26.032"N	103°32'10.571"W	0.30	
6848.00	10.130	291.190	6792.20	-237.83	232.62	-663.64	746483.37	446088.62	32°13'26.045"N	103°32'10.609"W	0.61	
6868.00	10.040	291.260	6811.89	-239.12	233.89	-666.91	746480.11	446089.88	32°13'26.058"N	103°32'10.647"W	0.45	
6888.00	9.860	291.120	6831.59	-240.39	235.14	-670.13	746476.89	446091.13	32°13'26.071"N	103°32'10.684"W	0.91	
6908.00	9.750	290.880	6851.30	-241.64	236.36	-673.31	746473.71	446092.35	32°13'26.083"N	103°32'10.721"W	0.59	
6928.00	9.720	291.110	6871.01	-242.88	237.57	-676.47	746470.55	446093.56	32°13'26.095"N	103°32'10.758"W	0.25	
6948.00	9.690	291.020	6890.72	-244.11	238.78	-679.61	746467.40	446094.78	32°13'26.107"N	103°32'10.794"W	0.17	
6968.00	9.460	291.090	6910.45	-245.33	239.98	-682.72	746464.30	446095.97	32°13'26.120"N	103°32'10.830"W	1.15	
6988.00	9.390	291.270	6930.18	-246.54	241.16	-685.77	746461.24	446097.15	32°13'26.131"N	103°32'10.866"W	0.38	
7008.00	9.230	292.280	6949.91	-247.76	242.36	-688.78	746458.24	446098.35	32°13'26.144"N	103°32'10.901"W	1.14	
7028.00	9.160	293.590	6969.66	-249.03	243.61	-691.72	746455.30	446099.60	32°13'26.156"N	103°32'10.935"W	1.10	
7048.00	9.060	295.760	6989.40	-250.37	244.93	-694.60	746452.42	446100.92	32°13'26.169"N	103°32'10.968"W	1.79	
7068.00	9.010	296.340	7009.15	-251.78	246.31	-697.42	746449.60	446102.30	32°13'26.183"N	103°32'11.001"W	0.52	
7088.00	8.990	296.620	7028.91	-253.19	247.70	-700.22	746446.80	446103.70	32°13'26.197"N	103°32'11.033"W	0.24	
7108.00	8.980	296.800	7048.66	-254.62	249.10	-703.01	746444.01	446105.10	32°13'26.211"N	103°32'11.066"W	0.15	
7128.00	8.970	297.070	7068.42	-256.05	250.52	-705.79	746441.23	446106.51	32°13'26.226"N	103°32'11.098"W	0.22	
7148.00	8.980	297.090	7088.17	-257.50	251.94	-708.57	746438.45	446107.93	32°13'26.240"N	103°32'11.130"W	0.05	
7168.00	8.900	297.320	7107.93	-258.94	253.36	-711.33	746435.68	446109.35	32°13'26.254"N	103°32'11.162"W	0.44	
7188.00	8.920	297.730	7127.69	-260.39	254.79	-714.08	746432.94	446110.79	32°13'26.268"N	103°32'11.194"W	0.33	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7208.00	8.980	298.090	7147.45	-261.87	256.25	-716.83	746430.19	446112.24	32°13'26.283"N	103°32'11.226"W	0.41	
7228.00	9.030	299.230	7167.20	-263.39	257.75	-719.58	746427.44	446113.74	32°13'26.298"N	103°32'11.258"W	0.93	
7248.00	9.040	299.420	7186.95	-264.95	259.29	-722.31	746424.70	446115.28	32°13'26.314"N	103°32'11.290"W	0.16	
7268.00	9.070	299.470	7206.70	-266.52	260.83	-725.05	746421.96	446116.83	32°13'26.329"N	103°32'11.321"W	0.16	
7288.00	9.130	299.460	7226.45	-268.10	262.39	-727.81	746419.21	446118.38	32°13'26.345"N	103°32'11.353"W	0.30	
7308.00	9.150	299.510	7246.20	-269.68	263.95	-730.57	746416.44	446119.95	32°13'26.360"N	103°32'11.385"W	0.11	
7328.00	9.160	299.440	7265.94	-271.27	265.52	-733.34	746413.67	446121.51	32°13'26.376"N	103°32'11.418"W	0.07	
7348.00	9.170	299.400	7285.69	-272.86	267.08	-736.12	746410.90	446123.08	32°13'26.392"N	103°32'11.450"W	0.06	
7368.00	9.160	299.520	7305.43	-274.45	268.65	-738.89	746408.12	446124.64	32°13'26.407"N	103°32'11.482"W	0.11	
7388.00	9.050	298.830	7325.18	-276.01	270.19	-741.66	746405.36	446126.19	32°13'26.423"N	103°32'11.514"W	0.77	
7408.00	9.020	298.780	7344.93	-277.55	271.71	-744.41	746402.61	446127.70	32°13'26.438"N	103°32'11.546"W	0.16	
7428.00	8.970	298.620	7364.68	-279.07	273.21	-747.15	746399.87	446129.20	32°13'26.453"N	103°32'11.578"W	0.28	
7448.00	8.790	298.350	7384.44	-280.56	274.68	-749.86	746397.15	446130.68	32°13'26.468"N	103°32'11.609"W	0.92	
7468.00	8.740	298.460	7404.21	-282.03	276.13	-752.55	746394.47	446132.12	32°13'26.482"N	103°32'11.640"W	0.26	
7488.00	8.750	298.240	7423.98	-283.50	277.58	-755.22	746391.80	446133.57	32°13'26.497"N	103°32'11.671"W	0.17	
7508.00	8.760	298.350	7443.75	-284.96	279.02	-757.90	746389.12	446135.01	32°13'26.511"N	103°32'11.702"W	0.10	
7528.00	8.750	298.190	7463.51	-286.42	280.46	-760.58	746386.43	446136.45	32°13'26.526"N	103°32'11.733"W	0.13	
7548.00	8.760	298.240	7483.28	-287.89	281.90	-763.27	746383.75	446137.89	32°13'26.540"N	103°32'11.764"W	0.06	
7568.00	8.600	297.410	7503.05	-289.31	283.31	-765.93	746381.08	446139.30	32°13'26.554"N	103°32'11.795"W	1.02	
7588.00	8.490	297.540	7522.83	-290.71	284.68	-768.57	746378.45	446140.67	32°13'26.568"N	103°32'11.826"W	0.56	
7608.00	8.320	296.760	7542.61	-292.06	286.01	-771.17	746375.85	446142.01	32°13'26.582"N	103°32'11.856"W	1.02	
7628.00	8.270	296.330	7562.40	-293.37	287.30	-773.75	746373.26	446143.30	32°13'26.595"N	103°32'11.886"W	0.40	
7648.00	8.210	296.670	7582.20	-294.67	288.58	-776.32	746370.70	446144.58	32°13'26.607"N	103°32'11.916"W	0.39	
7668.00	8.150	296.230	7601.99	-295.96	289.85	-778.87	746368.15	446145.84	32°13'26.620"N	103°32'11.945"W	0.43	
7688.00	7.960	295.600	7621.80	-297.20	291.07	-781.39	746365.63	446147.07	32°13'26.632"N	103°32'11.975"W	1.05	
7708.00	7.630	294.970	7641.61	-298.38	292.23	-783.84	746363.18	446148.23	32°13'26.644"N	103°32'12.003"W	1.70	
7728.00	7.520	295.010	7661.44	-299.51	293.35	-786.23	746360.79	446149.34	32°13'26.655"N	103°32'12.031"W	0.55	
7748.00	7.440	295.050	7681.27	-300.63	294.45	-788.59	746358.43	446150.44	32°13'26.666"N	103°32'12.058"W	0.40	
7768.00	7.390	296.340	7701.10	-301.77	295.57	-790.91	746356.10	446151.56	32°13'26.678"N	103°32'12.085"W	0.87	
7788.00	7.130	304.190	7720.94	-303.06	296.84	-793.09	746353.92	446152.83	32°13'26.690"N	103°32'12.110"W	5.12	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7808.00	7.010	308.130	7740.79	-304.52	298.29	-795.08	746351.94	446154.28	32°13'26.705"N	103°32'12.133"W	2.50	
7828.00	6.970	309.820	7760.64	-306.07	299.82	-796.97	746350.05	446155.81	32°13'26.720"N	103°32'12.155"W	1.05	
7848.00	6.980	310.130	7780.49	-307.64	301.38	-798.83	746348.19	446157.37	32°13'26.736"N	103°32'12.177"W	0.19	
7868.00	7.010	310.030	7800.34	-309.23	302.95	-800.70	746346.32	446158.94	32°13'26.751"N	103°32'12.198"W	0.16	
7888.00	6.870	310.290	7820.20	-310.80	304.50	-802.54	746344.47	446160.50	32°13'26.767"N	103°32'12.220"W	0.72	
7908.00	6.830	309.890	7840.05	-312.35	306.04	-804.37	746342.65	446162.03	32°13'26.782"N	103°32'12.241"W	0.31	
7928.00	6.810	310.270	7859.91	-313.89	307.57	-806.19	746340.83	446163.56	32°13'26.797"N	103°32'12.262"W	0.25	
7948.00	6.700	310.260	7879.77	-315.43	309.09	-807.98	746339.04	446165.08	32°13'26.813"N	103°32'12.283"W	0.55	
7968.00	6.600	310.340	7899.64	-316.94	310.59	-809.75	746337.27	446166.58	32°13'26.828"N	103°32'12.303"W	0.50	
7988.00	6.450	309.960	7919.51	-318.42	312.05	-811.48	746335.53	446168.05	32°13'26.842"N	103°32'12.323"W	0.78	
8008.00	6.320	309.690	7939.39	-319.86	313.48	-813.19	746333.83	446169.47	32°13'26.856"N	103°32'12.343"W	0.67	
8028.00	6.180	309.820	7959.27	-321.26	314.87	-814.87	746332.15	446170.86	32°13'26.870"N	103°32'12.362"W	0.70	
8048.00	6.000	309.670	7979.15	-322.63	316.23	-816.50	746330.52	446172.22	32°13'26.884"N	103°32'12.381"W	0.90	
8068.00	5.860	309.680	7999.05	-323.96	317.55	-818.09	746328.93	446173.54	32°13'26.897"N	103°32'12.399"W	0.70	
8088.00	5.740	309.770	8018.94	-325.27	318.84	-819.64	746327.38	446174.83	32°13'26.910"N	103°32'12.417"W	0.60	
8108.00	5.680	309.910	8038.84	-326.55	320.11	-821.17	746325.85	446176.11	32°13'26.923"N	103°32'12.435"W	0.31	
8128.00	5.640	310.170	8058.75	-327.83	321.38	-822.68	746324.34	446177.37	32°13'26.935"N	103°32'12.453"W	0.24	
8148.00	5.560	309.920	8078.65	-329.10	322.64	-824.17	746322.84	446178.63	32°13'26.948"N	103°32'12.470"W	0.42	
8168.00	5.500	309.850	8098.56	-330.35	323.87	-825.65	746321.37	446179.87	32°13'26.960"N	103°32'12.487"W	0.30	
8188.00	5.410	309.690	8118.47	-331.58	325.09	-827.12	746319.90	446181.08	32°13'26.972"N	103°32'12.504"W	0.46	
8208.00	5.210	308.880	8138.38	-332.76	326.26	-828.55	746318.47	446182.25	32°13'26.984"N	103°32'12.520"W	1.07	
8228.00	5.050	307.920	8158.30	-333.88	327.37	-829.95	746317.07	446183.37	32°13'26.995"N	103°32'12.537"W	0.91	
8248.00	4.950	307.970	8178.23	-334.96	328.44	-831.32	746315.70	446184.44	32°13'27.006"N	103°32'12.553"W	0.50	
8268.00	4.750	307.820	8198.15	-336.01	329.48	-832.66	746314.36	446185.48	32°13'27.016"N	103°32'12.568"W	1.00	
8288.00	4.680	307.360	8218.09	-337.03	330.49	-833.96	746313.06	446186.48	32°13'27.026"N	103°32'12.583"W	0.40	
8308.00	4.660	307.930	8238.02	-338.03	331.48	-835.25	746311.77	446187.47	32°13'27.036"N	103°32'12.598"W	0.25	
8328.00	4.680	308.220	8257.95	-339.04	332.48	-836.53	746310.49	446188.48	32°13'27.046"N	103°32'12.613"W	0.15	
8348.00	4.720	308.150	8277.89	-340.07	333.50	-837.82	746309.20	446189.49	32°13'27.056"N	103°32'12.628"W	0.20	
8368.00	4.750	307.860	8297.82	-341.09	334.51	-839.12	746307.90	446190.51	32°13'27.066"N	103°32'12.643"W	0.19	
8388.00	4.720	308.380	8317.75	-342.12	335.53	-840.42	746306.60	446191.53	32°13'27.077"N	103°32'12.658"W	0.26	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	DLS (°/100ft)	Comments
8408.00	4.650	308.420	8337.68	-343.15	336.55	-841.70	746305.32	446192.54	32°13'27.087"N	103°32'12.673"W	0.35	
8428.00	4.490	309.240	8357.62	-344.16	337.55	-842.94	746304.08	446193.54	32°13'27.097"N	103°32'12.687"W	0.86	
8448.00	4.410	309.060	8377.56	-345.15	338.53	-844.14	746302.87	446194.52	32°13'27.107"N	103°32'12.701"W	0.41	
8468.00	4.420	309.470	8397.50	-346.13	339.50	-845.34	746301.68	446195.49	32°13'27.116"N	103°32'12.715"W	0.17	
8488.00	4.450	309.790	8417.44	-347.13	340.49	-846.53	746300.49	446196.48	32°13'27.126"N	103°32'12.729"W	0.19	
8508.00	4.480	309.290	8437.38	-348.13	341.48	-847.73	746299.29	446197.47	32°13'27.136"N	103°32'12.742"W	0.25	
8528.00	4.550	309.050	8457.32	-349.13	342.47	-848.95	746298.07	446198.47	32°13'27.146"N	103°32'12.757"W	0.36	
8548.00	4.630	308.140	8477.25	-350.14	343.47	-850.20	746296.82	446199.46	32°13'27.156"N	103°32'12.771"W	0.54	
8568.00	4.680	307.710	8497.19	-351.15	344.47	-851.48	746295.54	446200.46	32°13'27.166"N	103°32'12.786"W	0.30	
8588.00	4.710	308.080	8517.12	-352.16	345.47	-852.77	746294.25	446201.47	32°13'27.176"N	103°32'12.801"W	0.21	
8608.00	4.750	307.470	8537.05	-353.18	346.48	-854.08	746292.94	446202.48	32°13'27.186"N	103°32'12.816"W	0.31	
8628.00	4.690	306.980	8556.98	-354.19	347.48	-855.39	746291.63	446203.47	32°13'27.196"N	103°32'12.831"W	0.36	
8648.00	4.580	306.670	8576.92	-355.17	348.45	-856.68	746290.34	446204.44	32°13'27.206"N	103°32'12.846"W	0.56	
8668.00	4.480	305.910	8596.86	-356.11	349.38	-857.95	746289.07	446205.38	32°13'27.215"N	103°32'12.861"W	0.58	
8688.00	4.380	306.440	8616.80	-357.03	350.30	-859.20	746287.82	446206.29	32°13'27.224"N	103°32'12.875"W	0.54	
8708.00	4.280	305.690	8636.74	-357.93	351.18	-860.42	746286.60	446207.18	32°13'27.233"N	103°32'12.889"W	0.57	
8728.00	4.260	305.710	8656.68	-358.81	352.05	-861.63	746285.39	446208.05	32°13'27.242"N	103°32'12.903"W	0.10	
8748.00	4.260	306.760	8676.63	-359.70	352.93	-862.83	746284.19	446208.92	32°13'27.250"N	103°32'12.917"W	0.39	
8768.00	4.320	305.760	8696.57	-360.59	353.82	-864.03	746282.99	446209.81	32°13'27.259"N	103°32'12.931"W	0.48	
8788.00	4.300	306.150	8716.52	-361.48	354.70	-865.25	746281.77	446210.89	32°13'27.268"N	103°32'12.945"W	0.18	
8808.00	4.320	305.380	8736.46	-362.37	355.58	-866.47	746280.55	446211.57	32°13'27.277"N	103°32'12.959"W	0.31	
8828.00	4.340	305.060	8756.40	-363.25	356.45	-867.70	746279.32	446212.44	32°13'27.286"N	103°32'12.974"W	0.16	
8848.00	4.370	305.580	8776.34	-364.14	357.33	-868.94	746278.08	446213.32	32°13'27.294"N	103°32'12.988"W	0.25	
8868.00	4.370	305.670	8796.29	-365.04	358.21	-870.18	746276.84	446214.21	32°13'27.303"N	103°32'13.002"W	0.03	
8888.00	4.370	305.550	8816.23	-365.93	359.10	-871.42	746275.60	446215.09	32°13'27.312"N	103°32'13.017"W	0.05	
8908.00	4.320	305.980	8836.17	-366.83	359.99	-872.65	746274.37	446215.98	32°13'27.321"N	103°32'13.031"W	0.30	
8928.00	4.100	307.120	8856.12	-367.71	360.86	-873.83	746273.19	446216.85	32°13'27.330"N	103°32'13.045"W	1.18	
8948.00	4.020	308.280	8876.07	-368.59	361.73	-874.95	746272.07	446217.72	32°13'27.338"N	103°32'13.058"W	0.57	
8968.00	3.950	308.640	8896.02	-369.46	362.59	-876.04	746270.98	446218.58	32°13'27.347"N	103°32'13.070"W	0.37	
8988.00	3.960	308.520	8915.97	-370.33	363.45	-877.12	746269.90	446219.44	32°13'27.356"N	103°32'13.083"W	0.06	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9008.00	3.960	308.960	8935.92	-371.20	364.32	-878.20	746268.83	446220.31	32°13'27.364"N	103°32'13.095"W	0.15	
9028.00	3.970	308.470	8955.88	-372.08	365.18	-879.27	746267.75	446221.17	32°13'27.373"N	103°32'13.108"W	0.18	
9048.00	3.960	308.000	8975.83	-372.94	366.04	-880.36	746266.66	446222.03	32°13'27.381"N	103°32'13.120"W	0.17	
9068.00	3.860	306.770	8995.78	-373.78	366.86	-881.44	746265.58	446222.86	32°13'27.390"N	103°32'13.133"W	0.65	
9088.00	3.700	302.470	9015.74	-374.53	367.61	-882.53	746264.49	446223.61	32°13'27.397"N	103°32'13.145"W	1.63	
9108.00	3.650	299.960	9035.70	-375.21	368.28	-883.62	746263.40	446224.27	32°13'27.404"N	103°32'13.158"W	0.84	
9128.00	3.600	297.520	9055.66	-375.82	368.89	-884.73	746262.29	446224.88	32°13'27.410"N	103°32'13.171"W	0.81	
9148.00	3.600	296.910	9075.62	-376.41	369.46	-885.85	746261.17	446225.45	32°13'27.416"N	103°32'13.184"W	0.19	
9168.00	3.580	296.930	9095.58	-376.98	370.03	-886.97	746260.06	446226.02	32°13'27.421"N	103°32'13.197"W	0.10	
9188.00	3.580	297.040	9115.54	-377.56	370.59	-888.08	746258.94	446226.59	32°13'27.427"N	103°32'13.210"W	0.03	
9208.00	3.510	296.420	9135.50	-378.12	371.15	-889.18	746257.84	446227.14	32°13'27.433"N	103°32'13.222"W	0.40	
9228.00	3.400	295.660	9155.46	-378.66	371.68	-890.27	746256.75	446227.67	32°13'27.438"N	103°32'13.235"W	0.60	
9248.00	3.230	296.240	9175.43	-379.17	372.19	-891.31	746255.71	446228.18	32°13'27.443"N	103°32'13.247"W	0.87	
9268.00	3.090	295.410	9195.40	-379.66	372.67	-892.30	746254.72	446228.66	32°13'27.448"N	103°32'13.259"W	0.74	
9288.00	2.930	295.180	9215.37	-380.12	373.12	-893.25	746253.77	446229.11	32°13'27.452"N	103°32'13.270"W	0.80	
9308.00	2.800	294.060	9235.35	-380.54	373.53	-894.16	746252.86	446229.52	32°13'27.457"N	103°32'13.280"W	0.71	
9328.00	2.660	291.050	9255.32	-380.92	373.90	-895.03	746251.99	446229.89	32°13'27.460"N	103°32'13.290"W	1.00	
9348.00	2.490	288.390	9275.30	-381.23	374.20	-895.88	746251.14	446230.19	32°13'27.463"N	103°32'13.300"W	1.04	
9368.00	2.400	285.150	9295.29	-381.48	374.45	-896.70	746250.32	446230.44	32°13'27.466"N	103°32'13.310"W	0.82	
9388.00	2.310	282.220	9315.27	-381.68	374.64	-897.49	746249.53	446230.63	32°13'27.468"N	103°32'13.319"W	0.75	
9408.00	2.220	280.670	9335.25	-381.84	374.80	-898.27	746248.75	446230.79	32°13'27.469"N	103°32'13.328"W	0.54	
9428.00	2.160	279.510	9355.24	-381.98	374.93	-899.02	746248.00	446230.93	32°13'27.471"N	103°32'13.337"W	0.37	
9448.00	2.140	279.030	9375.23	-382.11	375.05	-899.76	746247.26	446231.05	32°13'27.472"N	103°32'13.345"W	0.13	
9468.00	2.110	277.300	9395.21	-382.22	375.16	-900.50	746246.52	446231.15	32°13'27.473"N	103°32'13.354"W	0.35	
9488.00	2.050	272.060	9415.20	-382.29	375.22	-901.22	746245.80	446231.21	32°13'27.474"N	103°32'13.362"W	1.00	
9508.00	1.950	269.460	9435.19	-382.30	375.23	-901.92	746245.10	446231.22	32°13'27.474"N	103°32'13.370"W	0.68	
9528.00	1.840	258.180	9455.18	-382.24	375.16	-902.57	746244.45	446231.15	32°13'27.473"N	103°32'13.378"W	1.94	
9548.00	1.810	254.770	9475.17	-382.09	375.01	-903.19	746243.83	446231.00	32°13'27.472"N	103°32'13.385"W	0.56	
9568.00	1.790	252.980	9495.16	-381.92	374.84	-903.79	746243.23	446230.83	32°13'27.470"N	103°32'13.392"W	0.30	
9588.00	1.800	251.160	9515.15	-381.74	374.64	-904.39	746242.63	446230.64	32°13'27.468"N	103°32'13.399"W	0.29	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9608.00	1.760	250.580	9535.14	-381.54	374.44	-904.98	746242.04	446230.43	32°13'27.466"N	103°32'13.406"W	0.22	
9628.00	1.670	250.950	9555.13	-381.34	374.24	-905.54	746241.48	446230.24	32°13'27.464"N	103°32'13.413"W	0.45	
9648.00	1.610	249.630	9575.12	-381.16	374.05	-906.08	746240.94	446230.04	32°13'27.463"N	103°32'13.419"W	0.35	
9668.00	1.570	249.520	9595.11	-380.97	373.86	-906.60	746240.42	446229.85	32°13'27.461"N	103°32'13.425"W	0.20	
9688.00	1.520	249.920	9615.10	-380.78	373.67	-907.11	746239.91	446229.66	32°13'27.459"N	103°32'13.431"W	0.28	
9708.00	1.490	251.850	9635.10	-380.61	373.50	-907.60	746239.42	446229.49	32°13'27.457"N	103°32'13.437"W	0.29	
9728.00	1.440	252.820	9655.09	-380.46	373.34	-908.09	746238.93	446229.33	32°13'27.456"N	103°32'13.442"W	0.28	
9748.00	1.450	254.160	9675.08	-380.32	373.20	-908.57	746238.45	446229.19	32°13'27.454"N	103°32'13.448"W	0.18	
9768.00	1.430	255.750	9695.08	-380.20	373.07	-909.06	746237.96	446229.06	32°13'27.453"N	103°32'13.454"W	0.22	
9788.00	1.480	256.610	9715.07	-380.08	372.95	-909.55	746237.47	446228.94	32°13'27.452"N	103°32'13.459"W	0.19	
9808.00	1.480	259.120	9735.06	-379.98	372.84	-910.05	746236.97	446228.83	32°13'27.451"N	103°32'13.465"W	0.34	
9828.00	1.520	261.600	9755.06	-379.89	372.75	-910.57	746236.45	446228.74	32°13'27.450"N	103°32'13.471"W	0.38	
9848.00	1.520	262.120	9775.05	-379.82	372.68	-911.09	746235.93	446228.67	32°13'27.449"N	103°32'13.477"W	0.07	
9868.00	1.530	263.160	9795.04	-379.76	372.61	-911.62	746235.40	446228.60	32°13'27.449"N	103°32'13.483"W	0.15	
9888.00	1.550	263.650	9815.04	-379.70	372.55	-912.15	746234.87	446228.54	32°13'27.448"N	103°32'13.490"W	0.12	
9908.00	1.520	263.180	9835.03	-379.64	372.49	-912.69	746234.34	446228.48	32°13'27.448"N	103°32'13.496"W	0.16	
9928.00	1.550	264.500	9855.02	-379.59	372.43	-913.22	746233.80	446228.42	32°13'27.447"N	103°32'13.502"W	0.23	
9948.00	1.550	264.610	9875.01	-379.54	372.38	-913.76	746233.26	446228.37	32°13'27.447"N	103°32'13.508"W	0.01	
9968.00	1.530	264.610	9895.01	-379.50	372.33	-914.29	746232.73	446228.32	32°13'27.446"N	103°32'13.515"W	0.10	
9988.00	1.500	263.860	9915.00	-379.45	372.27	-914.82	746232.20	446228.27	32°13'27.446"N	103°32'13.521"W	0.18	
10008.00	1.430	263.270	9934.99	-379.39	372.22	-915.33	746231.70	446228.21	32°13'27.445"N	103°32'13.527"W	0.36	
10028.00	1.280	256.390	9954.99	-379.32	372.14	-915.79	746231.23	446228.13	32°13'27.444"N	103°32'13.532"W	1.11	
10048.00	1.120	248.600	9974.98	-379.20	372.01	-916.19	746230.83	446228.00	32°13'27.443"N	103°32'13.537"W	1.14	
10068.00	0.980	237.780	9994.98	-379.04	371.85	-916.52	746230.50	446227.84	32°13'27.442"N	103°32'13.540"W	1.21	
10088.00	0.920	229.740	10014.98	-378.84	371.65	-916.78	746230.24	446227.65	32°13'27.440"N	103°32'13.544"W	0.73	
10108.00	0.840	228.080	10034.98	-378.64	371.45	-917.02	746230.01	446227.44	32°13'27.438"N	103°32'13.546"W	0.42	
10128.00	0.780	223.580	10054.97	-378.45	371.26	-917.22	746229.80	446227.25	32°13'27.436"N	103°32'13.549"W	0.44	
10148.00	0.670	223.070	10074.97	-378.27	371.07	-917.39	746229.63	446227.06	32°13'27.434"N	103°32'13.551"W	0.55	
10168.00	0.610	222.110	10094.97	-378.10	370.91	-917.54	746229.48	446226.90	32°13'27.432"N	103°32'13.553"W	0.30	
10188.00	0.570	224.790	10114.97	-377.95	370.76	-917.68	746229.34	446226.75	32°13'27.431"N	103°32'13.554"W	0.24	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10208.00	0.550	225.220	10134.97	-377.82	370.62	-917.82	746229.20	446226.61	32°13'27.430"N	103°32'13.556"W	0.10	
10228.00	0.530	225.280	10154.97	-377.69	370.49	-917.96	746229.06	446226.48	32°13'27.428"N	103°32'13.557"W	0.10	
10248.00	0.510	228.220	10174.97	-377.56	370.36	-918.09	746228.93	446226.35	32°13'27.427"N	103°32'13.559"W	0.17	
10268.00	0.490	227.930	10194.97	-377.45	370.25	-918.22	746228.80	446226.24	32°13'27.426"N	103°32'13.560"W	0.10	
10288.00	0.470	228.710	10214.97	-377.34	370.13	-918.34	746228.68	446226.13	32°13'27.425"N	103°32'13.562"W	0.11	
10308.00	0.490	235.760	10234.96	-377.23	370.03	-918.48	746228.54	446226.02	32°13'27.424"N	103°32'13.563"W	0.31	
10328.00	0.510	242.640	10254.96	-377.15	369.94	-918.63	746228.40	446225.93	32°13'27.423"N	103°32'13.565"W	0.32	
10348.00	0.570	245.390	10274.96	-377.07	369.86	-918.80	746228.23	446225.85	32°13'27.422"N	103°32'13.567"W	0.33	
10368.00	0.680	249.020	10294.96	-376.98	369.78	-919.00	746228.02	446225.77	32°13'27.421"N	103°32'13.570"W	0.58	
10388.00	0.730	246.270	10314.96	-376.89	369.68	-919.22	746227.80	446225.67	32°13'27.420"N	103°32'13.572"W	0.30	
10408.00	0.700	238.820	10334.96	-376.78	369.57	-919.45	746227.58	446225.56	32°13'27.419"N	103°32'13.575"W	0.49	
10428.00	0.550	228.660	10354.96	-376.65	369.44	-919.62	746227.40	446225.43	32°13'27.418"N	103°32'13.577"W	0.93	
10448.00	0.350	227.640	10374.96	-376.55	369.34	-919.74	746227.28	446225.33	32°13'27.417"N	103°32'13.578"W	1.00	
10468.00	0.170	213.950	10394.96	-376.48	369.27	-919.80	746227.22	446225.26	32°13'27.416"N	103°32'13.579"W	0.95	
10488.00	0.130	173.560	10414.96	-376.44	369.22	-919.81	746227.21	446225.22	32°13'27.416"N	103°32'13.579"W	0.55	
10508.00	0.210	81.840	10434.96	-376.42	369.21	-919.78	746227.25	446225.20	32°13'27.416"N	103°32'13.579"W	1.25	
10528.00	0.380	67.260	10454.96	-376.45	369.24	-919.68	746227.34	446225.23	32°13'27.416"N	103°32'13.578"W	0.92	
10548.00	0.480	45.220	10474.96	-376.53	369.32	-919.56	746227.46	446225.31	32°13'27.417"N	103°32'13.576"W	0.96	
10568.00	0.450	22.200	10494.96	-376.66	369.45	-919.47	746227.55	446225.45	32°13'27.418"N	103°32'13.575"W	0.94	
10588.00	0.300	34.050	10514.95	-376.78	369.57	-919.41	746227.61	446225.56	32°13'27.419"N	103°32'13.574"W	0.84	
10608.00	0.190	87.470	10534.95	-376.82	369.62	-919.35	746227.67	446225.61	32°13'27.420"N	103°32'13.574"W	1.21	
10628.00	0.280	104.940	10554.95	-376.81	369.60	-919.27	746227.75	446225.60	32°13'27.420"N	103°32'13.573"W	0.57	
10648.00	0.410	84.160	10574.95	-376.81	369.60	-919.15	746227.87	446225.59	32°13'27.420"N	103°32'13.571"W	0.89	
10668.00	0.490	60.930	10594.95	-376.85	369.65	-919.00	746228.02	446225.64	32°13'27.420"N	103°32'13.570"W	0.99	
10688.00	0.510	25.050	10614.95	-376.98	369.77	-918.89	746228.13	446225.76	32°13'27.421"N	103°32'13.568"W	1.54	
10708.00	0.660	349.910	10634.95	-377.17	369.96	-918.87	746228.15	446225.96	32°13'27.423"N	103°32'13.568"W	1.91	
10728.00	0.970	330.200	10654.95	-377.43	370.22	-918.98	746228.04	446226.22	32°13'27.426"N	103°32'13.569"W	2.07	
10748.00	1.130	319.630	10674.95	-377.73	370.52	-919.19	746227.83	446226.51	32°13'27.429"N	103°32'13.572"W	1.25	
10768.00	1.120	318.400	10694.94	-378.03	370.82	-919.45	746227.57	446226.81	32°13'27.432"N	103°32'13.575"W	0.13	
10788.00	1.080	319.800	10714.94	-378.32	371.11	-919.70	746227.33	446227.10	32°13'27.434"N	103°32'13.578"W	0.33	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10808.00	1.070	322.110	10734.94	-378.61	371.39	-919.93	746227.09	446227.39	32°13'27.437"N	103°32'13.580"W	0.22	
10828.00	1.100	323.950	10754.93	-378.91	371.70	-920.16	746226.86	446227.69	32°13'27.440"N	103°32'13.583"W	0.23	
10848.00	1.060	321.010	10774.93	-379.21	372.00	-920.39	746226.63	446227.99	32°13'27.443"N	103°32'13.586"W	0.34	
10868.00	1.040	321.160	10794.93	-379.50	372.28	-920.62	746226.40	446228.27	32°13'27.446"N	103°32'13.588"W	0.10	
10888.00	0.970	320.280	10814.92	-379.77	372.55	-920.84	746226.18	446228.54	32°13'27.449"N	103°32'13.591"W	0.36	
10908.00	0.900	326.270	10834.92	-380.04	372.81	-921.03	746225.99	446228.80	32°13'27.451"N	103°32'13.593"W	0.60	
10928.00	0.830	334.280	10854.92	-380.30	373.07	-921.18	746225.84	446229.07	32°13'27.454"N	103°32'13.595"W	0.70	
10948.00	0.810	336.870	10874.91	-380.56	373.33	-921.30	746225.72	446229.33	32°13'27.457"N	103°32'13.596"W	0.21	
10968.00	0.820	349.200	10894.91	-380.83	373.61	-921.39	746225.64	446229.60	32°13'27.459"N	103°32'13.597"W	0.88	
10988.00	0.790	354.340	10914.91	-381.11	373.88	-921.43	746225.60	446229.87	32°13'27.462"N	103°32'13.597"W	0.39	
11008.00	0.780	4.410	10934.91	-381.38	374.16	-921.43	746225.59	446230.15	32°13'27.465"N	103°32'13.597"W	0.69	
11028.00	0.800	13.250	10954.91	-381.65	374.43	-921.39	746225.63	446230.42	32°13'27.467"N	103°32'13.597"W	0.62	
11048.00	0.830	17.520	10974.91	-381.93	374.70	-921.31	746225.71	446230.69	32°13'27.470"N	103°32'13.596"W	0.34	
11068.00	0.890	23.770	10994.90	-382.21	374.98	-921.20	746225.82	446230.97	32°13'27.473"N	103°32'13.595"W	0.56	
11088.00	0.950	27.980	11014.90	-382.49	375.27	-921.06	746225.96	446231.26	32°13'27.476"N	103°32'13.593"W	0.45	
11108.00	1.010	25.970	11034.90	-382.80	375.58	-920.91	746226.11	446231.57	32°13'27.479"N	103°32'13.591"W	0.35	
11128.00	1.060	27.680	11054.89	-383.12	375.90	-920.75	746226.28	446231.89	32°13'27.482"N	103°32'13.589"W	0.29	
11148.00	1.090	28.640	11074.89	-383.45	376.23	-920.57	746226.45	446232.22	32°13'27.485"N	103°32'13.587"W	0.17	
11168.00	1.130	29.490	11094.89	-383.78	376.57	-920.38	746226.64	446232.56	32°13'27.489"N	103°32'13.585"W	0.22	
11188.00	1.200	32.880	11114.88	-384.13	376.91	-920.17	746226.85	446232.91	32°13'27.492"N	103°32'13.583"W	0.49	
11208.00	1.230	30.670	11134.88	-384.49	377.28	-919.95	746227.07	446233.27	32°13'27.496"N	103°32'13.580"W	0.28	
11228.00	1.180	27.150	11154.87	-384.86	377.64	-919.74	746227.28	446233.63	32°13'27.499"N	103°32'13.578"W	0.45	
11248.00	1.080	26.720	11174.87	-385.21	377.99	-919.56	746227.46	446233.99	32°13'27.503"N	103°32'13.575"W	0.50	
11268.00	0.940	24.510	11194.87	-385.52	378.31	-919.41	746227.61	446234.30	32°13'27.506"N	103°32'13.574"W	0.73	
11288.00	0.590	38.040	11214.87	-385.75	378.54	-919.28	746227.74	446234.53	32°13'27.508"N	103°32'13.572"W	1.86	
11308.00	0.510	45.690	11234.86	-385.89	378.69	-919.15	746227.87	446234.68	32°13'27.509"N	103°32'13.571"W	0.54	
11328.00	0.410	37.890	11254.86	-386.01	378.80	-919.05	746227.98	446234.80	32°13'27.511"N	103°32'13.569"W	0.59	
11348.00	0.350	18.320	11274.86	-386.13	378.92	-918.98	746228.04	446234.91	32°13'27.512"N	103°32'13.569"W	0.71	
11368.00	0.330	5.850	11294.86	-386.24	379.03	-918.96	746228.06	446235.03	32°13'27.513"N	103°32'13.568"W	0.38	
11388.00	0.330	351.100	11314.86	-386.35	379.15	-918.96	746228.06	446235.14	32°13'27.514"N	103°32'13.568"W	0.42	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11408.00	0.290	346.950	11334.86	-386.46	379.25	-918.98	746228.04	446235.25	32°13'27.515"N	103°32'13.569"W	0.23	
11428.00	0.310	337.020	11354.86	-386.56	379.35	-919.01	746228.01	446235.35	32°13'27.516"N	103°32'13.569"W	0.28	
11448.00	0.210	345.220	11374.86	-386.65	379.44	-919.04	746227.98	446235.43	32°13'27.517"N	103°32'13.569"W	0.53	
11468.00	0.100	35.660	11394.86	-386.70	379.49	-919.04	746227.98	446235.48	32°13'27.517"N	103°32'13.569"W	0.83	
11488.00	0.250	70.380	11414.86	-386.72	379.52	-918.99	746228.03	446235.51	32°13'27.518"N	103°32'13.569"W	0.89	
11508.00	0.400	52.980	11434.86	-386.78	379.57	-918.89	746228.13	446235.57	32°13'27.518"N	103°32'13.567"W	0.89	
11528.00	0.440	24.310	11454.86	-386.89	379.69	-918.81	746228.21	446235.68	32°13'27.519"N	103°32'13.566"W	1.06	
11548.00	0.300	354.230	11474.86	-387.01	379.81	-918.78	746228.24	446235.80	32°13'27.521"N	103°32'13.566"W	1.17	
11568.00	0.190	48.320	11494.86	-387.09	379.88	-918.76	746228.26	446235.87	32°13'27.521"N	103°32'13.566"W	1.22	
11588.00	0.440	37.820	11514.86	-387.17	379.97	-918.69	746228.33	446235.96	32°13'27.522"N	103°32'13.565"W	1.28	
11608.00	0.500	10.880	11534.86	-387.31	380.11	-918.63	746228.39	446236.10	32°13'27.524"N	103°32'13.564"W	1.13	
11628.00	0.300	5.080	11554.86	-387.45	380.25	-918.61	746228.42	446236.24	32°13'27.525"N	103°32'13.564"W	1.02	
11648.00	0.440	37.540	11574.86	-387.57	380.36	-918.55	746228.47	446236.35	32°13'27.526"N	103°32'13.563"W	1.23	
11668.00	0.570	2.470	11594.86	-387.72	380.52	-918.50	746228.52	446236.51	32°13'27.528"N	103°32'13.563"W	1.64	
11688.00	0.360	17.230	11614.86	-387.88	380.68	-918.48	746228.54	446236.67	32°13'27.529"N	103°32'13.563"W	1.20	
11708.00	0.570	32.860	11634.86	-388.03	380.83	-918.41	746228.61	446236.82	32°13'27.531"N	103°32'13.562"W	1.22	
11728.00	0.540	359.910	11654.86	-388.20	381.00	-918.35	746228.67	446236.99	32°13'27.532"N	103°32'13.561"W	1.58	
11748.00	0.450	35.200	11674.85	-388.36	381.16	-918.31	746228.71	446237.15	32°13'27.534"N	103°32'13.561"W	1.56	
11768.00	0.680	17.130	11694.85	-388.54	381.34	-918.23	746228.79	446237.33	32°13'27.536"N	103°32'13.560"W	1.44	
11788.00	0.410	28.630	11714.85	-388.72	381.52	-918.16	746228.86	446237.51	32°13'27.537"N	103°32'13.559"W	1.45	
11808.00	0.270	30.270	11734.85	-388.82	381.62	-918.10	746228.92	446237.61	32°13'27.538"N	103°32'13.558"W	0.70	
11828.00	0.670	191.330	11754.85	-388.74	381.55	-918.10	746228.92	446237.54	32°13'27.538"N	103°32'13.558"W	4.65	
11848.00	2.140	198.720	11774.85	-388.28	381.08	-918.24	746228.78	446237.07	32°13'27.533"N	103°32'13.560"W	7.39	
11868.00	3.850	194.490	11794.82	-387.28	380.07	-918.53	746228.49	446236.06	32°13'27.523"N	103°32'13.563"W	8.62	
11888.00	5.520	189.620	11814.75	-385.68	378.47	-918.86	746228.16	446234.47	32°13'27.507"N	103°32'13.567"W	8.58	
11908.00	7.250	183.780	11834.63	-383.47	376.27	-919.10	746227.92	446232.26	32°13'27.485"N	103°32'13.570"W	9.23	
11928.00	9.380	181.940	11854.41	-380.59	373.38	-919.24	746227.78	446229.37	32°13'27.457"N	103°32'13.572"W	10.73	
11948.00	11.550	183.710	11874.08	-376.96	369.75	-919.43	746227.59	446225.74	32°13'27.421"N	103°32'13.575"W	10.97	
11968.00	13.610	184.670	11893.60	-372.62	365.41	-919.75	746227.27	446221.40	32°13'27.378"N	103°32'13.579"W	10.35	
11988.00	15.750	184.070	11912.94	-367.57	360.35	-920.13	746226.89	446216.35	32°13'27.328"N	103°32'13.584"W	10.73	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12008.00	18.210	182.980	11932.07	-361.74	354.52	-920.49	746226.53	446210.52	32°13'27.270"N	103°32'13.588"W	12.40	
12028.00	20.220	180.900	11950.96	-355.17	347.95	-920.70	746226.32	446203.94	32°13'27.205"N	103°32'13.591"W	10.62	
12048.00	22.270	179.640	11969.60	-347.92	340.70	-920.73	746226.29	446196.69	32°13'27.134"N	103°32'13.592"W	10.50	
12068.00	23.900	180.060	11987.99	-340.08	332.86	-920.71	746226.31	446188.85	32°13'27.056"N	103°32'13.593"W	8.19	
12088.00	25.630	180.490	12006.15	-331.70	324.48	-920.76	746226.27	446180.47	32°13'26.973"N	103°32'13.594"W	8.70	
12108.00	27.570	180.590	12024.04	-322.75	315.53	-920.84	746226.18	446171.52	32°13'26.885"N	103°32'13.596"W	9.70	
12128.00	30.190	180.450	12041.55	-313.09	305.87	-920.93	746226.09	446161.86	32°13'26.789"N	103°32'13.598"W	13.10	
12148.00	32.400	180.540	12058.64	-302.71	295.48	-921.02	746226.00	446151.47	32°13'26.686"N	103°32'13.599"W	11.05	
12168.00	34.430	180.730	12075.33	-291.69	284.47	-921.14	746225.88	446140.46	32°13'26.577"N	103°32'13.602"W	10.16	
12188.00	36.320	180.030	12091.64	-280.12	272.89	-921.22	746225.81	446128.88	32°13'26.463"N	103°32'13.604"W	9.66	
12208.00	38.290	178.210	12107.55	-268.00	260.77	-921.02	746226.00	446116.77	32°13'26.343"N	103°32'13.603"W	11.29	
12228.00	40.310	175.910	12123.02	-255.35	248.12	-920.37	746226.65	446104.12	32°13'26.218"N	103°32'13.596"W	12.45	
12248.00	43.020	174.170	12137.96	-242.09	234.88	-919.22	746227.81	446090.88	32°13'26.086"N	103°32'13.584"W	14.73	
12268.00	45.720	172.760	12152.26	-228.19	220.99	-917.62	746229.40	446076.98	32°13'25.949"N	103°32'13.566"W	14.37	
12288.00	48.180	171.590	12165.91	-213.70	206.51	-915.63	746231.39	446062.51	32°13'25.805"N	103°32'13.544"W	13.02	
12308.00	51.040	170.900	12178.87	-198.63	191.46	-913.31	746233.71	446047.45	32°13'25.656"N	103°32'13.519"W	14.54	
12328.00	53.800	170.950	12191.06	-182.96	175.81	-910.81	746236.21	446031.80	32°13'25.501"N	103°32'13.491"W	13.80	
12348.00	56.400	171.320	12202.51	-166.73	159.60	-908.28	746238.74	446015.60	32°13'25.341"N	103°32'13.463"W	13.09	
12368.00	58.930	172.230	12213.20	-149.99	142.88	-905.86	746241.16	445998.88	32°13'25.175"N	103°32'13.436"W	13.22	
12388.00	61.160	173.950	12223.19	-132.77	125.68	-903.78	746243.24	445981.68	32°13'25.005"N	103°32'13.414"W	13.41	
12408.00	62.810	176.460	12232.58	-115.17	108.09	-902.31	746244.71	445964.08	32°13'24.831"N	103°32'13.398"W	13.81	
12428.00	63.180	178.870	12241.67	-97.36	90.28	-901.59	746245.44	445946.28	32°13'24.654"N	103°32'13.391"W	10.89	
12448.00	63.490	180.090	12250.64	-79.49	72.41	-901.42	746245.60	445928.41	32°13'24.478"N	103°32'13.391"W	5.67	
12468.00	64.250	180.500	12259.45	-61.54	54.46	-901.52	746245.50	445910.46	32°13'24.300"N	103°32'13.393"W	4.22	
12488.00	64.320	180.530	12268.13	-43.52	36.44	-901.68	746245.34	445892.44	32°13'24.122"N	103°32'13.397"W	0.38	
12508.00	64.400	180.500	12276.78	-25.49	18.41	-901.84	746245.18	445874.41	32°13'23.943"N	103°32'13.400"W	0.42	
12528.00	64.570	180.530	12285.40	-7.44	0.36	-902.00	746245.02	445856.36	32°13'23.765"N	103°32'13.404"W	0.86	
12540.10	63.770	180.490	12290.67	3.45	-10.53	-902.10	746244.92	445845.47	32°13'23.657"N	103°32'13.406"W	6.62	Imported VES Gyro surveys from 48' - 12540.10'
12648.00	71.280	179.290	12331.89	103.08	-110.16	-901.88	746245.14	445745.84	32°13'22.671"N	103°32'13.412"W	7.04	
12702.00	73.030	179.410	12348.44	154.47	-161.58	-901.30	746245.72	445694.45	32°13'22.162"N	103°32'13.409"W	3.25	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12795.00	81.930	178.250	12368.58	245.16	-252.23	-899.43	746247.59	445603.77	32°13'21.265"N	103°32'13.395"W	9.65	
12890.00	90.740	177.550	12374.64	339.84	-346.88	-895.96	746251.07	445509.13	32°13'20.328"N	103°32'13.363"W	9.30	
12984.00	91.170	178.650	12373.08	433.79	-440.82	-892.84	746254.18	445415.19	32°13'19.398"N	103°32'13.335"W	1.26	
13078.00	88.490	180.150	12373.36	527.78	-534.80	-891.86	746255.17	445321.21	32°13'18.468"N	103°32'13.332"W	3.27	
13172.00	87.350	180.510	12376.77	621.71	-628.73	-892.40	746254.62	445227.28	32°13'17.539"N	103°32'13.346"W	1.27	
13266.00	86.730	181.040	12381.62	715.56	-722.60	-893.67	746253.35	445133.42	32°13'16.610"N	103°32'13.369"W	0.87	
13359.00	86.390	181.120	12387.20	808.36	-815.42	-895.42	746251.61	445040.60	32°13'15.692"N	103°32'13.397"W	0.38	
13453.00	85.310	180.050	12394.01	902.09	-909.16	-896.37	746250.65	444946.86	32°13'14.764"N	103°32'13.417"W	1.62	
13547.00	86.270	180.640	12400.91	995.83	-1002.90	-896.94	746250.08	444853.12	32°13'13.837"N	103°32'13.431"W	1.20	
13641.00	86.700	181.820	12406.67	1089.61	-1096.70	-898.95	746248.07	444759.32	32°13'12.909"N	103°32'13.463"W	1.33	
13734.00	88.770	182.710	12410.34	1182.43	-1189.55	-902.62	746244.40	444666.47	32°13'11.990"N	103°32'13.513"W	2.42	
13828.00	85.280	181.210	12415.22	1276.20	-1283.35	-905.84	746241.18	444572.68	32°13'11.062"N	103°32'13.559"W	4.04	
13923.00	90.400	180.740	12418.80	1371.07	-1378.24	-907.45	746239.57	444477.79	32°13'10.123"N	103°32'13.586"W	5.41	
14017.00	86.980	179.010	12420.95	1465.03	-1472.20	-907.25	746239.77	444383.84	32°13'09.194"N	103°32'13.592"W	4.08	
14111.00	85.590	178.400	12427.04	1558.82	-1565.97	-905.13	746241.89	444290.06	32°13'08.266"N	103°32'13.575"W	1.61	
14206.00	84.200	178.150	12435.49	1653.41	-1660.55	-902.28	746244.74	444195.49	32°13'07.330"N	103°32'13.550"W	1.49	
14299.00	86.030	177.300	12443.41	1746.02	-1753.14	-898.60	746248.42	444102.90	32°13'06.413"N	103°32'13.515"W	2.17	
14393.00	90.650	178.840	12446.14	1839.93	-1847.02	-895.44	746251.58	444009.03	32°13'05.484"N	103°32'13.487"W	5.18	
14487.00	91.080	178.490	12444.72	1933.90	-1940.98	-893.25	746253.77	443915.07	32°13'04.554"N	103°32'13.469"W	0.59	
14581.00	89.290	179.770	12444.41	2027.89	-2034.96	-891.82	746255.20	443821.08	32°13'03.624"N	103°32'13.481"W	2.34	
14675.00	86.950	183.060	12447.50	2121.78	-2128.86	-894.14	746252.88	443727.19	32°13'02.695"N	103°32'13.496"W	4.29	
14769.00	88.980	184.150	12450.84	2215.47	-2222.61	-900.05	746246.97	443633.44	32°13'01.768"N	103°32'13.573"W	2.45	
14863.00	87.170	183.960	12453.99	2309.13	-2316.32	-906.69	746240.33	443539.73	32°13'00.841"N	103°32'13.658"W	1.94	
14957.00	84.480	181.820	12460.84	2402.70	-2409.94	-911.42	746235.60	443446.12	32°12'59.915"N	103°32'13.721"W	3.65	
15051.00	85.100	178.710	12469.38	2496.30	-2503.54	-911.85	746235.17	443352.52	32°12'58.989"N	103°32'13.734"W	3.36	
15145.00	88.120	178.370	12474.93	2590.11	-2597.33	-909.46	746237.56	443258.73	32°12'58.060"N	103°32'13.714"W	3.23	
15238.00	88.830	176.010	12477.41	2682.99	-2690.18	-904.90	746242.12	443165.88	32°12'57.141"N	103°32'13.669"W	2.65	
15332.00	87.900	171.180	12480.09	2776.41	-2783.52	-894.42	746252.60	443072.54	32°12'56.217"N	103°32'13.555"W	5.23	
15425.00	90.950	172.780	12481.03	2868.58	-2875.60	-881.45	746265.57	442980.47	32°12'55.305"N	103°32'13.412"W	3.70	
15519.00	89.380	174.770	12480.75	2962.10	-2969.03	-871.26	746275.76	442887.03	32°12'54.380"N	103°32'13.302"W	2.70	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH DATA (679 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
15613.00	91.020	176.850	12480.43	3055.89	-3062.77	-864.39	746282.63	442793.30	32°12'53.451"N	103°32'13.230"W	2.82	
15707.00	91.970	179.110	12477.97	3149.82	-3156.68	-861.08	746285.94	442699.40	32°12'52.522"N	103°32'13.200"W	2.61	
15801.00	88.030	179.100	12477.97	3243.79	-3250.65	-859.61	746287.41	442605.43	32°12'51.592"N	103°32'13.191"W	4.19	
15895.00	86.050	179.200	12482.83	3337.66	-3344.51	-858.22	746288.80	442511.57	32°12'50.663"N	103°32'13.182"W	2.11	
15889.00	91.080	181.390	12485.18	3431.59	-3438.44	-858.70	746288.31	442417.64	32°12'49.734"N	103°32'13.196"W	5.84	
16083.00	89.510	180.800	12484.70	3525.55	-3532.42	-860.50	746286.52	442323.66	32°12'48.804"N	103°32'13.225"W	1.78	
16177.00	89.910	182.510	12485.17	3619.48	-3626.37	-863.22	746283.80	442229.71	32°12'47.874"N	103°32'13.265"W	1.87	
16273.00	90.090	182.140	12485.17	3715.37	-3722.29	-867.11	746279.91	442133.79	32°12'46.926"N	103°32'13.319"W	0.43	
16365.00	87.660	181.810	12486.98	3807.26	-3814.21	-870.28	746276.74	442041.87	32°12'46.016"N	103°32'13.363"W	2.67	
16459.00	89.480	182.740	12489.32	3901.12	-3908.11	-874.01	746273.01	441947.98	32°12'45.087"N	103°32'13.415"W	2.17	
16553.00	90.430	182.570	12489.40	3994.98	-4002.00	-878.36	746268.66	441854.09	32°12'44.159"N	103°32'13.474"W	1.03	
16647.00	89.660	182.970	12489.32	4088.83	-4095.89	-882.91	746264.11	441760.20	32°12'43.230"N	103°32'13.535"W	0.92	
16741.00	88.550	183.290	12490.79	4182.64	-4189.74	-888.04	746258.98	441666.36	32°12'42.302"N	103°32'13.602"W	1.23	
16834.00	87.540	183.910	12493.97	4275.35	-4282.50	-893.88	746253.15	441573.60	32°12'41.384"N	103°32'13.678"W	1.27	
16928.00	86.980	185.100	12498.46	4368.89	-4376.10	-901.25	746245.77	441480.00	32°12'40.458"N	103°32'13.772"W	1.40	
17022.00	91.080	187.640	12500.05	4462.18	-4469.48	-911.68	746235.35	441386.62	32°12'39.535"N	103°32'13.902"W	5.13	
17116.00	89.750	186.710	12499.37	4555.34	-4562.74	-923.42	746223.61	441293.37	32°12'38.613"N	103°32'14.046"W	1.73	
17136.00	89.540	186.610	12499.49	4575.19	-4582.60	-925.73	746221.29	441273.50	32°12'38.417"N	103°32'14.075"W	1.16	6 3/4 BH MWD 12648' - 17136'
17191.00	89.540	186.610	12499.94	4629.77	-4637.24	-932.07	746214.96	441218.87	32°12'37.877"N	103°32'14.153"W	0.00	Projection to TD: 17191'



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Strong Fee No. 214 FTP rev 3	12325.00	202.00	-986.02	746161.00	446058.00	32°13'25.766"N	103°32'14.364"W	point
2000' VS rev 5	12446.00	-2007.17	-900.01	746247.01	443848.88	32°13'03.900"N	103°32'13.554"W	point
2500' VS rev 5	12450.00	-2507.22	-899.55	746247.47	443348.84	32°12'58.951"N	103°32'13.591"W	point
Strong Fee No. 214 PBHL rev 5	12463.00	-4639.11	-897.62	746249.40	441217.00	32°12'37.856"N	103°32'13.753"W	point

WELLPATH COMPOSITION - Ref Wellbore: Strong Fee 14-24S-33E AR No. 214					Ref Wellpath: Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
29.00	12540.10	BHI Generic gyro - continuous (Standard)	Imported VES Gyro surveys from 48' - 12540.10'		Strong Fee 14-24S-33E AR No. 214	
12540.10	17136.00	BHI NaviTrak (X Short spacing)	6 3/4 BH MWD 12648' - 17136'		Strong Fee 14-24S-33E AR No. 214	
17136.00	17191.00	Blind Drilling (std)	Projection to bit		Strong Fee 14-24S-33E AR No. 214	



Actual Wellpath Report

Strong 14 24 33 AR No. 214H awp 48' - 17136' Proj: 17191'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Matador Resources	Slot	Strong Fee 14-24S-33E AR No. 214
Area	Lea County, NM	Well	Strong 14 24 33 AR No. 214H
Field	Lea County, NM NAD27	Wellbore	Strong Fee 14-24S-33E AR No. 214
Facility	Strong Fee 14-24S-33E AR No. 214		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
12540.10	63.770	180.490	12290.67	Imported VES Gyro surveys from 48' - 12540.10'
17136.00	89.540	186.610	12499.49	6 3/4 BH MWD 12648' - 17136'
17191.00	89.540	186.610	12499.94	Projection to TD: 17191'

COMMENTS	
Wellpath general comments	
Well:	Strong 14 24 33 AR No. 214H
Field:	Upper Wolfcamp
Rig:	Patterson 297
Location:	Lea Co., NM
API:	30-025-44442-00
Latitude:	32° 13' 23.695" N
Longitude:	103° 32' 02.904" W
DF Elevation:	3632 feet
Elev. GL:	3603 feet
Proposed Direction:	179.55°
PBHL:	17191 feet
Duration:	7/31/2018-8/23/2018
FSE's:	O. Oluwole
SO#:	109331036
Imported VES Gyro surveys from 48' - 12540.10'	
6 3/4 BH MWD 12648' - 17136'	
Projection to TD: 17191'	



HOBBS OCD
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HOBBS OCD
NOV 01 2018

I Mike Cook certify that I am employed by VES Survey International. That I did on the day(s) of 08/18/18 through 08/18/18 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 12,572.00 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 Strong 14-24S-33E AR Well # 214H API # 30-025-44442 in Lea 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 "Mike Cook", is written over a horizontal line.

Mike Cook
Service Technician
VES Survey International



Company: Matador Resources
Well: Strong 14-24S-33E AR 214H
API: 30-025-44442
Rig Name: Patterson 297
County: Lea State: New Mexico
Latitude: 32.223 Longitude: -103.535
Grid North is -0.43 of TRUE
VS-Azi: 0.00



INFLEX CONTINUOUS GYRO SURVEY CALCULATIONS

Depth Reference(KB): RKB=28.5 Feet
Minimum Curvature Method
Survey Date: 8/18/2018
VES Survey International
1-800-606-4976
Survey Engineer: Mike Cook

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.00	0.62	124.28	40.00	-0.12	-0.12	0.18	0.22	124.28	1.56
60.00	0.66	134.59	60.00	-0.26	-0.26	0.35	0.44	126.97	0.60
80.00	0.72	159.58	80.00	-0.46	-0.46	0.48	0.66	134.11	1.51
100.00	0.76	134.76	99.99	-0.67	-0.67	0.61	0.91	137.59	1.60
120.00	0.77	158.75	119.99	-0.89	-0.89	0.76	1.17	139.66	1.59
140.00	0.82	136.53	139.99	-1.12	-1.12	0.90	1.44	141.10	1.55
160.00	0.72	158.92	159.99	-1.34	-1.34	1.05	1.70	142.02	1.56
180.00	0.88	140.22	179.99	-1.58	-1.58	1.19	1.98	142.94	1.52
200.00	0.68	143.32	199.99	-1.79	-1.79	1.36	2.25	142.78	1.04
220.00	0.83	158.45	219.98	-2.02	-2.02	1.48	2.51	143.70	1.26
240.00	0.80	136.70	239.98	-2.26	-2.26	1.63	2.79	144.11	1.55
260.00	0.74	157.58	259.98	-2.48	-2.48	1.78	3.05	144.34	1.43
280.00	0.88	142.03	279.98	-2.72	-2.72	1.92	3.33	144.73	1.32
300.00	0.71	151.78	299.98	-2.95	-2.95	2.08	3.61	144.86	1.09
320.00	0.89	153.66	319.97	-3.20	-3.20	2.20	3.88	145.43	0.92
340.00	0.77	137.74	339.97	-3.44	-3.44	2.36	4.17	145.49	1.31
360.00	0.70	154.57	359.97	-3.65	-3.65	2.51	4.43	145.51	1.13
380.00	0.88	156.98	379.97	-3.90	-3.90	2.62	4.70	146.12	0.91
400.00	0.86	135.68	399.97	-4.15	-4.15	2.78	5.00	146.14	1.61

VAUGHN ENERGY SERVICES

3400 CR 48 ROBSTOWN, TEXAS 78380 361-767-0602

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
420.00	0.66	147.96	419.96	-4.35	-4.35	2.95	5.26	145.88	1.31
440.00	0.79	155.33	439.96	-4.57	-4.57	3.07	5.51	146.16	0.81
460.00	0.81	136.64	459.96	-4.80	-4.80	3.22	5.78	146.14	1.30
480.00	0.58	138.24	479.96	-4.98	-4.98	3.39	6.02	145.79	1.14
500.00	0.67	156.52	499.96	-5.16	-5.16	3.50	6.24	145.87	1.08
520.00	0.82	142.62	519.96	-5.38	-5.38	3.63	6.49	145.99	1.18
540.00	0.68	130.63	539.95	-5.57	-5.57	3.81	6.75	145.65	1.06
560.00	0.54	146.10	559.95	-5.73	-5.73	3.95	6.96	145.40	1.07
580.00	0.63	157.33	579.95	-5.91	-5.91	4.05	7.16	145.59	0.74
600.00	0.78	146.09	599.95	-6.12	-6.12	4.17	7.41	145.78	1.01
620.00	0.75	131.97	619.95	-6.33	-6.33	4.34	7.67	145.55	0.95
640.00	0.59	126.04	639.95	-6.47	-6.47	4.52	7.90	145.07	0.86
660.00	0.55	125.10	659.95	-6.59	-6.59	4.68	8.08	144.60	0.25
680.00	0.54	127.26	679.95	-6.70	-6.70	4.84	8.27	144.19	0.11
700.00	0.54	128.01	699.94	-6.82	-6.82	4.99	8.45	143.82	0.04
720.00	0.55	124.55	719.94	-6.93	-6.93	5.14	8.63	143.44	0.17
740.00	0.58	125.20	739.94	-7.04	-7.04	5.30	8.81	143.03	0.16
760.00	0.59	124.05	759.94	-7.16	-7.16	5.47	9.01	142.62	0.09
780.00	0.58	123.17	779.94	-7.27	-7.27	5.64	9.20	142.21	0.08
800.00	0.54	126.46	799.94	-7.38	-7.38	5.80	9.39	141.85	0.26
820.00	0.50	122.34	819.94	-7.48	-7.48	5.95	9.56	141.53	0.25
840.00	0.45	121.74	839.94	-7.57	-7.57	6.09	9.72	141.20	0.25
860.00	0.42	124.45	859.94	-7.66	-7.66	6.22	9.86	140.92	0.19
880.00	0.35	128.70	879.94	-7.74	-7.74	6.33	9.99	140.73	0.38
900.00	0.37	133.50	899.94	-7.82	-7.82	6.42	10.12	140.61	0.17
920.00	0.37	139.45	919.94	-7.91	-7.91	6.51	10.25	140.56	0.19
940.00	0.35	133.24	939.94	-8.01	-8.01	6.60	10.37	140.51	0.22
960.00	0.34	137.41	959.94	-8.09	-8.09	6.68	10.49	140.45	0.13
980.00	0.29	142.80	979.93	-8.18	-8.18	6.75	10.60	140.44	0.31
1,000.00	0.28	158.00	999.93	-8.26	-8.26	6.80	10.70	140.53	0.38
1,020.00	0.28	164.93	1,019.93	-8.35	-8.35	6.83	10.79	140.72	0.17
1,040.00	0.26	180.46	1,039.93	-8.45	-8.45	6.85	10.87	140.98	0.37
1,060.00	0.28	182.88	1,059.93	-8.54	-8.54	6.84	10.94	141.30	0.11
1,080.00	0.32	185.21	1,079.93	-8.65	-8.65	6.84	11.02	141.67	0.18
1,100.00	0.34	187.43	1,099.93	-8.76	-8.76	6.82	11.10	142.09	0.15

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
1,120.00	0.40	183.93	1,119.93	-8.89	-8.89	6.81	11.20	142.54	0.31
1,140.00	0.44	185.55	1,139.93	-9.03	-9.03	6.80	11.31	143.04	0.19
1,160.00	0.46	184.28	1,159.93	-9.19	-9.19	6.78	11.42	143.56	0.10
1,180.00	0.51	183.91	1,179.93	-9.36	-9.36	6.77	11.55	144.10	0.26
1,200.00	0.51	186.72	1,199.93	-9.53	-9.53	6.76	11.69	144.68	0.13
1,220.00	0.55	184.40	1,219.93	-9.72	-9.72	6.74	11.83	145.26	0.20
1,240.00	0.57	191.96	1,239.93	-9.91	-9.91	6.71	11.97	145.90	0.39
1,260.00	0.62	191.34	1,259.93	-10.12	-10.12	6.67	12.12	146.61	0.23
1,280.00	0.63	195.10	1,279.93	-10.33	-10.33	6.62	12.27	147.35	0.21
1,300.00	0.64	196.96	1,299.93	-10.54	-10.54	6.56	12.41	148.12	0.10
1,320.00	0.63	197.81	1,319.92	-10.75	-10.75	6.49	12.56	148.88	0.07
1,340.00	0.62	202.67	1,339.92	-10.96	-10.96	6.42	12.70	149.64	0.27
1,360.00	0.59	206.91	1,359.92	-11.15	-11.15	6.33	12.82	150.41	0.26
1,380.00	0.58	217.52	1,379.92	-11.32	-11.32	6.22	12.91	151.21	0.54
1,400.00	0.60	220.74	1,399.92	-11.48	-11.48	6.09	12.99	152.05	0.20
1,420.00	0.61	226.04	1,419.92	-11.63	-11.63	5.95	13.06	152.92	0.28
1,440.00	0.63	226.49	1,439.92	-11.78	-11.78	5.79	13.13	153.82	0.09
1,460.00	0.62	233.87	1,459.92	-11.92	-11.92	5.62	13.18	154.74	0.40
1,480.00	0.61	233.72	1,479.91	-12.05	-12.05	5.45	13.22	155.66	0.06
1,500.00	0.58	229.67	1,499.91	-12.17	-12.17	5.29	13.27	156.53	0.25
1,520.00	0.59	234.58	1,519.91	-12.30	-12.30	5.12	13.33	157.39	0.26
1,540.00	0.57	239.71	1,539.91	-12.41	-12.41	4.95	13.36	158.24	0.28
1,560.00	0.56	235.23	1,559.91	-12.52	-12.52	4.79	13.40	159.07	0.23
1,580.00	0.57	238.81	1,579.91	-12.62	-12.62	4.62	13.44	159.88	0.18
1,600.00	0.59	238.97	1,599.91	-12.73	-12.73	4.45	13.48	160.73	0.14
1,620.00	0.61	244.12	1,619.91	-12.83	-12.83	4.27	13.52	161.60	0.28
1,640.00	0.64	245.28	1,639.91	-12.92	-12.92	4.07	13.55	162.52	0.14
1,660.00	0.63	246.18	1,659.91	-13.01	-13.01	3.87	13.57	163.44	0.06
1,680.00	0.63	248.04	1,679.90	-13.10	-13.10	3.67	13.60	164.36	0.10
1,700.00	0.61	249.82	1,699.90	-13.17	-13.17	3.47	13.62	165.26	0.13
1,720.00	0.61	252.17	1,719.90	-13.24	-13.24	3.27	13.64	166.15	0.12
1,740.00	0.60	252.98	1,739.90	-13.31	-13.31	3.06	13.65	167.04	0.05
1,760.00	0.58	256.22	1,759.90	-13.36	-13.36	2.86	13.66	167.90	0.20
1,780.00	0.56	262.29	1,779.90	-13.40	-13.40	2.67	13.66	168.74	0.33
1,800.00	0.53	262.53	1,799.90	-13.42	-13.42	2.48	13.65	169.53	0.13

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
1,820.00	0.53	267.20	1,819.90	-13.44	-13.44	2.30	13.63	170.31	0.22
1,840.00	0.47	268.76	1,839.90	-13.45	-13.45	2.12	13.61	171.03	0.28
1,860.00	0.43	267.19	1,859.90	-13.45	-13.45	1.96	13.59	171.69	0.22
1,880.00	0.39	270.68	1,879.89	-13.45	-13.45	1.82	13.58	172.29	0.26
1,900.00	0.31	258.08	1,899.89	-13.47	-13.47	1.70	13.57	172.80	0.52
1,920.00	0.27	249.68	1,919.89	-13.49	-13.49	1.60	13.59	173.23	0.31
1,940.00	0.34	231.53	1,939.89	-13.55	-13.55	1.51	13.63	173.63	0.58
1,960.00	0.42	226.73	1,959.89	-13.63	-13.63	1.41	13.71	174.08	0.44
1,980.00	0.64	253.52	1,979.89	-13.71	-13.71	1.25	13.77	174.78	1.61
2,000.00	0.90	269.73	1,999.89	-13.75	-13.75	0.99	13.78	175.88	1.68
2,020.00	1.20	273.88	2,019.89	-13.73	-13.73	0.63	13.75	177.39	1.55
2,040.00	1.41	279.40	2,039.88	-13.68	-13.68	0.18	13.68	179.27	1.23
2,060.00	1.55	279.95	2,059.88	-13.59	-13.59	-0.33	13.60	181.40	0.69
2,080.00	1.61	281.58	2,079.87	-13.49	-13.49	-0.87	13.52	183.71	0.40
2,100.00	1.67	283.10	2,099.86	-13.37	-13.37	-1.43	13.44	186.12	0.37
2,120.00	1.72	285.18	2,119.85	-13.22	-13.22	-2.01	13.37	188.63	0.39
2,140.00	1.75	285.65	2,139.84	-13.06	-13.06	-2.59	13.31	191.22	0.19
2,160.00	1.93	288.08	2,159.83	-12.87	-12.87	-3.21	13.27	193.98	0.94
2,180.00	2.10	289.16	2,179.82	-12.65	-12.65	-3.87	13.23	197.02	0.91
2,200.00	2.40	291.96	2,199.80	-12.37	-12.37	-4.61	13.20	200.42	1.56
2,220.00	2.60	293.22	2,219.78	-12.04	-12.04	-5.41	13.20	204.20	1.05
2,240.00	2.74	294.32	2,239.76	-11.66	-11.66	-6.26	13.24	208.24	0.73
2,260.00	2.90	294.25	2,259.74	-11.26	-11.26	-7.16	13.34	212.45	0.83
2,280.00	3.05	294.27	2,279.71	-10.83	-10.83	-8.11	13.53	216.81	0.73
2,300.00	3.24	293.34	2,299.68	-10.39	-10.39	-9.11	13.82	221.25	0.99
2,320.00	3.33	293.63	2,319.65	-9.93	-9.93	-10.16	14.21	225.65	0.48
2,340.00	3.37	293.64	2,339.61	-9.46	-9.46	-11.23	14.69	229.89	0.19
2,360.00	3.46	294.50	2,359.58	-8.98	-8.98	-12.32	15.24	233.92	0.53
2,380.00	3.73	297.44	2,379.54	-8.43	-8.43	-13.45	15.87	237.93	1.61
2,400.00	3.93	299.29	2,399.49	-7.79	-7.79	-14.62	16.57	241.95	1.18
2,420.00	4.05	300.86	2,419.45	-7.09	-7.09	-15.83	17.34	245.86	0.82
2,440.00	4.17	302.19	2,439.39	-6.34	-6.34	-17.05	18.19	249.59	0.75
2,460.00	4.28	302.71	2,459.34	-5.55	-5.55	-18.29	19.11	253.11	0.61
2,480.00	4.50	305.46	2,479.28	-4.70	-4.70	-19.56	20.11	256.50	1.50
2,500.00	4.64	306.07	2,499.22	-3.76	-3.76	-20.85	21.19	259.77	0.75

VAUGHN ENERGY SERVICES

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
2,520.00	4.84	306.64	2,519.15	-2.78	-2.78	-22.18	22.36	262.85	1.04
2,540.00	5.11	308.14	2,539.07	-1.73	-1.73	-23.56	23.62	265.80	1.51
2,560.00	5.44	309.24	2,558.99	-0.58	-0.58	-24.99	25.00	268.67	1.69
2,580.00	6.10	310.34	2,578.89	0.71	0.71	-26.54	26.55	271.53	3.34
2,600.00	6.42	310.79	2,598.77	2.13	2.13	-28.19	28.27	274.31	1.66
2,620.00	6.60	310.85	2,618.64	3.61	3.61	-29.91	30.13	276.88	0.87
2,640.00	6.91	311.15	2,638.50	5.15	5.15	-31.68	32.10	279.23	1.56
2,660.00	7.21	311.49	2,658.35	6.77	6.77	-33.53	34.21	281.42	1.52
2,680.00	7.48	311.31	2,678.19	8.46	8.46	-35.45	36.44	283.43	1.36
2,700.00	7.65	311.00	2,698.01	10.20	10.20	-37.43	38.79	285.24	0.87
2,720.00	7.79	310.63	2,717.83	11.95	11.95	-39.46	41.23	286.85	0.77
2,740.00	8.01	309.41	2,737.64	13.72	13.72	-41.57	43.77	288.27	1.35
2,760.00	8.36	307.02	2,757.44	15.48	15.48	-43.81	46.46	289.46	2.44
2,780.00	8.57	306.10	2,777.22	17.23	17.23	-46.17	49.28	290.47	1.25
2,800.00	8.77	304.33	2,796.99	18.97	18.97	-48.63	52.20	291.31	1.68
2,820.00	8.86	302.66	2,816.75	20.66	20.66	-51.19	55.20	291.98	1.36
2,840.00	8.95	301.77	2,836.51	22.31	22.31	-53.81	58.25	292.52	0.83
2,860.00	9.06	298.05	2,856.27	23.87	23.87	-56.52	61.36	292.90	2.96
2,880.00	9.11	297.26	2,876.01	25.34	25.34	-59.32	64.50	293.13	0.67
2,900.00	9.16	296.59	2,895.76	26.77	26.77	-62.15	67.67	293.31	0.60
2,920.00	9.24	294.59	2,915.50	28.16	28.16	-65.04	70.87	293.41	1.64
2,940.00	9.37	293.55	2,935.24	29.47	29.47	-67.99	74.10	293.44	1.05
2,960.00	9.53	291.93	2,954.97	30.74	30.74	-71.02	77.38	293.41	1.55
2,980.00	9.57	291.56	2,974.69	31.97	31.97	-74.10	80.70	293.34	0.39
3,000.00	9.56	292.12	2,994.41	33.21	33.21	-77.18	84.03	293.28	0.47
3,020.00	9.61	291.77	3,014.13	34.45	34.45	-80.27	87.35	293.23	0.38
3,040.00	9.65	291.89	3,033.85	35.70	35.70	-83.38	90.70	293.18	0.22
3,060.00	9.63	291.70	3,053.57	36.94	36.94	-86.49	94.05	293.13	0.20
3,080.00	9.55	291.61	3,073.29	38.17	38.17	-89.58	97.38	293.08	0.39
3,100.00	9.43	291.54	3,093.02	39.38	39.38	-92.65	100.67	293.03	0.58
3,120.00	9.38	291.80	3,112.75	40.59	40.59	-95.69	103.94	292.99	0.33
3,140.00	9.28	291.64	3,132.48	41.79	41.79	-98.70	107.19	292.95	0.53
3,160.00	9.21	291.50	3,152.22	42.97	42.97	-101.69	110.40	292.91	0.38
3,180.00	9.16	291.54	3,171.97	44.14	44.14	-104.66	113.59	292.87	0.26
3,200.00	9.16	291.58	3,191.71	45.31	45.31	-107.62	116.77	292.83	0.04

VAUGHN ENERGY SERVICES

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
3,220.00	9.11	291.49	3,211.46	46.48	46.48	-110.57	119.94	292.80	0.27
3,240.00	8.95	291.34	3,231.21	47.62	47.62	-113.50	123.08	292.76	0.77
3,260.00	8.89	291.39	3,250.97	48.75	48.75	-116.38	126.18	292.73	0.33
3,280.00	8.75	291.06	3,270.73	49.86	49.86	-119.24	129.25	292.69	0.75
3,300.00	8.62	290.81	3,290.50	50.94	50.94	-122.06	132.27	292.65	0.68
3,320.00	8.62	290.62	3,310.28	52.00	52.00	-124.86	135.26	292.61	0.14
3,340.00	8.61	290.61	3,330.05	53.06	53.06	-127.67	138.25	292.57	0.03
3,360.00	8.60	290.28	3,349.83	54.10	54.10	-130.47	141.25	292.52	0.26
3,380.00	8.61	289.94	3,369.60	55.13	55.13	-133.28	144.24	292.47	0.25
3,400.00	8.61	289.59	3,389.38	56.14	56.14	-136.10	147.23	292.42	0.26
3,420.00	8.66	288.31	3,409.15	57.12	57.12	-138.94	150.22	292.35	1.00
3,440.00	8.67	288.06	3,428.92	58.06	58.06	-141.80	153.23	292.27	0.19
3,460.00	8.64	287.74	3,448.69	58.98	58.98	-144.67	156.23	292.18	0.29
3,480.00	8.59	287.02	3,468.47	59.88	59.88	-147.53	159.22	292.09	0.59
3,500.00	8.51	286.86	3,488.25	60.75	60.75	-150.37	162.18	292.00	0.43
3,520.00	8.35	286.36	3,508.03	61.58	61.58	-153.18	165.10	291.90	0.88
3,540.00	8.32	286.45	3,527.82	62.40	62.40	-155.96	167.99	291.81	0.17
3,560.00	8.38	286.32	3,547.61	63.22	63.22	-158.75	170.88	291.71	0.30
3,580.00	8.55	286.60	3,567.39	64.06	64.06	-161.57	173.81	291.63	0.87
3,600.00	8.94	287.16	3,587.16	64.94	64.94	-164.48	176.84	291.54	2.00
3,620.00	9.25	286.90	3,606.90	65.87	65.87	-167.50	179.99	291.47	1.59
3,640.00	9.40	286.89	3,626.64	66.81	66.81	-170.60	183.22	291.38	0.75
3,660.00	9.49	286.89	3,646.37	67.76	67.76	-173.74	186.49	291.31	0.45
3,680.00	9.52	286.83	3,666.09	68.72	68.72	-176.91	189.78	291.23	0.17
3,700.00	9.44	286.95	3,685.82	69.68	69.68	-180.06	193.07	291.15	0.42
3,720.00	9.39	286.91	3,705.55	70.63	70.63	-183.19	196.33	291.08	0.25
3,740.00	9.20	287.12	3,725.29	71.57	71.57	-186.28	199.56	291.02	0.97
3,760.00	9.11	287.24	3,745.03	72.51	72.51	-189.32	202.73	290.96	0.46
3,780.00	9.00	287.39	3,764.78	73.45	73.45	-192.32	205.87	290.90	0.58
3,800.00	8.84	287.72	3,784.54	74.39	74.39	-195.28	208.97	290.85	0.83
3,820.00	8.71	288.01	3,804.31	75.32	75.32	-198.18	212.01	290.81	0.69
3,840.00	8.54	288.17	3,824.08	76.25	76.25	-201.03	215.01	290.77	0.85
3,860.00	8.32	288.10	3,843.87	77.16	77.16	-203.82	217.94	290.74	1.10
3,880.00	8.16	288.29	3,863.66	78.06	78.06	-206.54	220.80	290.70	0.80
3,900.00	7.99	287.79	3,883.46	78.93	78.93	-209.21	223.61	290.67	0.93

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
3,920.00	7.97	287.72	3,903.27	79.78	79.78	-211.86	226.38	290.63	0.10
3,940.00	8.02	287.63	3,923.07	80.62	80.62	-214.51	229.16	290.60	0.26
3,960.00	8.37	285.04	3,942.87	81.42	81.42	-217.24	232.00	290.55	2.55
3,980.00	9.01	283.66	3,962.64	82.17	82.17	-220.17	235.01	290.47	3.37
4,000.00	9.81	281.32	3,982.37	82.87	82.87	-223.37	238.24	290.36	4.40
4,020.00	9.96	280.52	4,002.07	83.52	83.52	-226.74	241.63	290.22	1.03
4,040.00	10.02	280.42	4,021.77	84.15	84.15	-230.15	245.05	290.08	0.31
4,060.00	10.04	280.46	4,041.46	84.78	84.78	-233.57	248.49	289.95	0.10
4,080.00	9.94	279.80	4,061.16	85.40	85.40	-236.99	251.91	289.82	0.74
4,100.00	9.89	279.74	4,080.86	85.98	85.98	-240.39	255.30	289.68	0.26
4,120.00	9.69	279.41	4,100.57	86.55	86.55	-243.74	258.65	289.55	1.05
4,140.00	9.56	279.26	4,120.29	87.09	87.09	-247.04	261.94	289.42	0.67
4,160.00	9.47	279.20	4,140.01	87.62	87.62	-250.30	265.19	289.29	0.45
4,180.00	9.23	279.11	4,159.75	88.13	88.13	-253.51	268.39	289.17	1.21
4,200.00	9.17	279.47	4,179.49	88.65	88.65	-256.66	271.54	289.05	0.42
4,220.00	9.18	279.79	4,199.23	89.18	89.18	-259.81	274.69	288.95	0.27
4,240.00	9.23	282.67	4,218.98	89.81	89.81	-262.94	277.86	288.86	2.32
4,260.00	9.35	285.14	4,238.72	90.58	90.58	-266.08	281.07	288.80	2.07
4,280.00	9.49	287.92	4,258.45	91.51	91.51	-269.21	284.34	288.77	2.39
4,300.00	9.52	287.96	4,278.17	92.53	92.53	-272.36	287.65	288.76	0.16
4,320.00	9.54	287.92	4,297.89	93.55	93.55	-275.51	290.96	288.76	0.08
4,340.00	9.49	288.03	4,317.62	94.57	94.57	-278.65	294.26	288.75	0.26
4,360.00	9.40	287.68	4,337.35	95.58	95.58	-281.77	297.54	288.74	0.51
4,380.00	9.28	287.68	4,357.08	96.56	96.56	-284.87	300.79	288.73	0.64
4,400.00	8.98	286.92	4,376.83	97.51	97.51	-287.90	303.96	288.71	1.60
4,420.00	8.79	286.67	4,396.59	98.40	98.40	-290.85	307.05	288.69	0.96
4,440.00	8.62	286.46	4,416.36	99.26	99.26	-293.76	310.07	288.67	0.87
4,460.00	8.33	286.43	4,436.14	100.10	100.10	-296.58	313.02	288.65	1.45
4,480.00	8.14	286.67	4,455.93	100.91	100.91	-299.33	315.88	288.63	0.96
4,500.00	7.90	287.01	4,475.74	101.72	101.72	-302.00	318.67	288.62	1.26
4,520.00	7.85	287.42	4,495.55	102.53	102.53	-304.62	321.41	288.60	0.37
4,540.00	7.80	287.93	4,515.36	103.36	103.36	-307.21	324.13	288.60	0.41
4,560.00	7.76	288.32	4,535.18	104.20	104.20	-309.79	326.84	288.59	0.34
4,580.00	7.79	288.50	4,555.00	105.06	105.06	-312.35	329.55	288.59	0.20
4,600.00	7.80	288.94	4,574.81	105.93	105.93	-314.92	332.26	288.59	0.30

VAUGHN ENERGY SERVICES

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
4,620.00	7.83	289.67	4,594.63	106.83	106.83	-317.49	334.98	288.60	0.51
4,640.00	8.03	291.01	4,614.43	107.79	107.79	-320.08	337.74	288.61	1.36
4,660.00	8.30	293.06	4,634.23	108.85	108.85	-322.71	340.57	288.64	2.00
4,680.00	8.41	293.84	4,654.02	110.01	110.01	-325.38	343.47	288.68	0.80
4,700.00	8.48	293.83	4,673.80	111.20	111.20	-328.06	346.40	288.72	0.34
4,720.00	8.53	293.58	4,693.58	112.39	112.39	-330.77	349.34	288.77	0.28
4,740.00	8.38	294.25	4,713.36	113.58	113.58	-333.46	352.27	288.81	0.86
4,760.00	8.26	294.45	4,733.15	114.77	114.77	-336.10	355.16	288.85	0.62
4,780.00	8.10	294.10	4,752.95	115.94	115.94	-338.69	357.99	288.90	0.86
4,800.00	8.03	293.95	4,772.75	117.08	117.08	-341.26	360.78	288.94	0.37
4,820.00	7.97	293.85	4,792.56	118.21	118.21	-343.80	363.56	288.98	0.29
4,840.00	7.89	293.13	4,812.37	119.31	119.31	-346.33	366.31	289.01	0.65
4,860.00	7.88	293.13	4,832.18	120.39	120.39	-348.85	369.04	289.04	0.03
4,880.00	7.89	293.15	4,851.99	121.47	121.47	-351.38	371.78	289.07	0.05
4,900.00	7.96	291.76	4,871.80	122.52	122.52	-353.93	374.53	289.09	1.01
4,920.00	8.21	291.28	4,891.60	123.55	123.55	-356.54	377.34	289.11	1.34
4,940.00	8.83	288.90	4,911.38	124.57	124.57	-359.33	380.31	289.12	3.54
4,960.00	9.12	287.62	4,931.13	125.55	125.55	-362.29	383.43	289.11	1.77
4,980.00	9.25	287.36	4,950.88	126.51	126.51	-365.34	386.62	289.10	0.68
5,000.00	9.32	287.28	4,970.61	127.47	127.47	-368.42	389.84	289.08	0.34
5,020.00	9.31	287.15	4,990.35	128.42	128.42	-371.51	393.08	289.07	0.11
5,040.00	9.29	287.23	5,010.09	129.38	129.38	-374.60	396.31	289.05	0.12
5,060.00	8.96	287.17	5,029.83	130.32	130.32	-377.63	399.48	289.04	1.68
5,080.00	8.73	287.21	5,049.60	131.23	131.23	-380.56	402.55	289.03	1.15
5,100.00	8.59	287.30	5,069.37	132.12	132.12	-383.44	405.56	289.01	0.70
5,120.00	8.59	287.11	5,089.14	133.00	133.00	-386.29	408.55	289.00	0.14
5,140.00	8.60	287.32	5,108.92	133.89	133.89	-389.15	411.53	288.99	0.16
5,160.00	8.62	287.23	5,128.69	134.78	134.78	-392.01	414.53	288.97	0.14
5,180.00	9.07	287.84	5,148.46	135.70	135.70	-394.94	417.60	288.96	2.31
5,200.00	9.56	288.15	5,168.19	136.70	136.70	-398.02	420.84	288.96	2.43
5,220.00	10.10	288.57	5,187.90	137.78	137.78	-401.26	424.25	288.95	2.74
5,240.00	10.22	288.55	5,207.58	138.90	138.90	-404.60	427.78	288.95	0.59
5,260.00	10.25	288.57	5,227.27	140.03	140.03	-407.97	431.33	288.94	0.19
5,280.00	10.26	288.52	5,246.95	141.17	141.17	-411.34	434.89	288.94	0.05
5,300.00	10.28	288.70	5,266.63	142.30	142.30	-414.72	438.46	288.94	0.19

VAUGHN ENERGY SERVICES

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
5,320.00	10.32	288.65	5,286.30	143.45	143.45	-418.11	442.03	288.94	0.20
5,340.00	10.34	288.66	5,305.98	144.59	144.59	-421.51	445.62	288.93	0.12
5,360.00	10.37	288.70	5,325.65	145.75	145.75	-424.91	449.22	288.93	0.14
5,380.00	10.42	288.60	5,345.33	146.90	146.90	-428.33	452.82	288.93	0.27
5,400.00	10.47	288.44	5,364.99	148.05	148.05	-431.77	456.45	288.93	0.31
5,420.00	10.58	288.30	5,384.66	149.20	149.20	-435.24	460.10	288.92	0.55
5,440.00	10.67	288.20	5,404.32	150.36	150.36	-438.74	463.79	288.92	0.45
5,460.00	10.72	288.11	5,423.97	151.51	151.51	-442.27	467.50	288.91	0.25
5,480.00	10.79	288.21	5,443.62	152.68	152.68	-445.81	471.23	288.90	0.36
5,500.00	10.82	288.22	5,463.26	153.85	153.85	-449.37	474.98	288.90	0.15
5,520.00	10.87	288.11	5,482.91	155.02	155.02	-452.95	478.74	288.89	0.27
5,540.00	10.89	288.27	5,502.55	156.20	156.20	-456.53	482.51	288.89	0.18
5,560.00	10.77	287.56	5,522.19	157.35	157.35	-460.11	486.27	288.88	0.89
5,580.00	10.70	287.83	5,541.84	158.49	158.49	-463.66	489.99	288.87	0.43
5,600.00	10.64	287.59	5,561.50	159.61	159.61	-467.18	493.69	288.86	0.37
5,620.00	10.61	287.56	5,581.15	160.73	160.73	-470.70	497.38	288.85	0.13
5,640.00	10.68	287.78	5,600.81	161.85	161.85	-474.22	501.07	288.84	0.41
5,660.00	10.72	287.67	5,620.46	162.98	162.98	-477.75	504.79	288.84	0.24
5,680.00	10.75	287.52	5,640.11	164.10	164.10	-481.31	508.51	288.83	0.18
5,700.00	10.77	287.59	5,659.76	165.23	165.23	-484.87	512.25	288.82	0.13
5,720.00	10.82	287.52	5,679.40	166.36	166.36	-488.44	515.99	288.81	0.24
5,740.00	10.53	287.91	5,699.06	167.49	167.49	-491.97	519.69	288.80	1.50
5,760.00	9.83	288.97	5,718.74	168.60	168.60	-495.32	523.23	288.80	3.59
5,780.00	9.60	289.14	5,738.46	169.71	169.71	-498.51	526.61	288.80	1.18
5,800.00	9.45	289.05	5,758.18	170.79	170.79	-501.64	529.92	288.80	0.74
5,820.00	9.26	288.98	5,777.91	171.85	171.85	-504.71	533.17	288.80	0.97
5,840.00	9.15	288.64	5,797.66	172.88	172.88	-507.74	536.37	288.80	0.62
5,860.00	9.07	288.90	5,817.40	173.90	173.90	-510.74	539.53	288.80	0.44
5,880.00	9.03	288.73	5,837.16	174.91	174.91	-513.72	542.68	288.80	0.23
5,900.00	9.06	288.70	5,856.91	175.92	175.92	-516.70	545.82	288.80	0.13
5,920.00	9.06	288.71	5,876.66	176.93	176.93	-519.68	548.97	288.80	0.01
5,940.00	9.05	288.57	5,896.41	177.94	177.94	-522.66	552.12	288.80	0.13
5,960.00	9.07	288.71	5,916.16	178.95	178.95	-525.65	555.27	288.80	0.16
5,980.00	9.11	288.67	5,935.91	179.96	179.96	-528.64	558.43	288.80	0.19
6,000.00	9.10	288.51	5,955.65	180.97	180.97	-531.64	561.60	288.80	0.14

VAUGHN ENERGY SERVICES

3400 CR 48 ROBSTOWN, TEXAS 78380 361-767-0602

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
6,020.00	9.11	288.71	5,975.40	181.98	181.98	-534.64	564.77	288.80	0.16
6,040.00	9.14	288.60	5,995.15	182.99	182.99	-537.65	567.94	288.80	0.15
6,060.00	9.13	288.60	6,014.90	184.01	184.01	-540.66	571.11	288.80	0.02
6,080.00	9.14	288.75	6,034.64	185.02	185.02	-543.67	574.29	288.79	0.13
6,100.00	9.10	288.54	6,054.39	186.04	186.04	-546.67	577.46	288.79	0.26
6,120.00	8.99	288.35	6,074.14	187.03	187.03	-549.65	580.60	288.79	0.58
6,140.00	8.81	288.30	6,093.90	188.00	188.00	-552.59	583.70	288.79	0.88
6,160.00	8.61	287.96	6,113.67	188.95	188.95	-555.47	586.72	288.79	1.04
6,180.00	8.53	288.27	6,133.45	189.87	189.87	-558.30	589.70	288.78	0.48
6,200.00	8.45	288.81	6,153.23	190.81	190.81	-561.10	592.65	288.78	0.55
6,220.00	8.33	291.57	6,173.01	191.82	191.82	-563.84	595.57	288.79	2.10
6,240.00	8.30	292.08	6,192.80	192.89	192.89	-566.52	598.46	288.80	0.39
6,260.00	8.31	292.25	6,212.59	193.98	193.98	-569.20	601.34	288.82	0.14
6,280.00	8.39	292.19	6,232.38	195.08	195.08	-571.89	604.24	288.84	0.37
6,300.00	8.56	292.68	6,252.16	196.20	196.20	-574.61	607.18	288.85	0.93
6,320.00	9.01	292.98	6,271.93	197.39	197.39	-577.42	610.23	288.87	2.26
6,340.00	9.22	292.89	6,291.68	198.62	198.62	-580.34	613.39	288.89	1.04
6,360.00	9.31	292.87	6,311.41	199.88	199.88	-583.31	616.60	288.91	0.47
6,380.00	9.32	292.96	6,331.15	201.14	201.14	-586.29	619.83	288.94	0.10
6,400.00	9.38	292.88	6,350.88	202.40	202.40	-589.28	623.07	288.96	0.30
6,420.00	9.39	292.82	6,370.62	203.67	203.67	-592.29	626.33	288.98	0.05
6,440.00	9.37	292.66	6,390.35	204.93	204.93	-595.29	629.58	289.00	0.15
6,460.00	9.31	292.54	6,410.08	206.18	206.18	-598.29	632.82	289.01	0.33
6,480.00	9.08	292.30	6,429.83	207.40	207.40	-601.25	636.01	289.03	1.16
6,500.00	8.99	292.19	6,449.58	208.58	208.58	-604.15	639.15	289.05	0.48
6,520.00	8.90	292.20	6,469.34	209.76	209.76	-607.03	642.25	289.06	0.44
6,540.00	8.87	292.23	6,489.10	210.93	210.93	-609.89	645.33	289.08	0.14
6,560.00	8.88	292.16	6,508.86	212.09	212.09	-612.75	648.41	289.09	0.08
6,580.00	8.92	292.29	6,528.62	213.26	213.26	-615.61	651.50	289.11	0.19
6,600.00	8.92	292.23	6,548.37	214.44	214.44	-618.48	654.60	289.12	0.05
6,620.00	8.96	292.24	6,568.13	215.61	215.61	-621.36	657.70	289.14	0.22
6,640.00	9.03	292.26	6,587.89	216.80	216.80	-624.25	660.82	289.15	0.32
6,660.00	9.13	292.16	6,607.63	217.99	217.99	-627.17	663.98	289.17	0.53
6,680.00	9.36	292.37	6,627.37	219.21	219.21	-630.15	667.18	289.18	1.14
6,700.00	9.93	291.96	6,647.09	220.47	220.47	-633.25	670.53	289.20	2.87

VAUGHN ENERGY SERVICES

3400 CR 48 ROBSTOWN, TEXAS 78380 361-767-0602

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
6,720.00	10.18	291.85	6,666.79	221.77	221.77	-636.49	674.02	289.21	1.28
6,740.00	10.31	291.61	6,686.47	223.09	223.09	-639.79	677.57	289.22	0.70
6,760.00	10.37	291.53	6,706.14	224.41	224.41	-643.13	681.16	289.24	0.30
6,780.00	10.42	291.41	6,725.81	225.73	225.73	-646.49	684.77	289.25	0.27
6,800.00	10.44	291.57	6,745.48	227.06	227.06	-649.86	688.39	289.26	0.18
6,820.00	10.38	291.37	6,765.15	228.38	228.38	-653.23	692.00	289.27	0.36
6,840.00	10.31	291.30	6,784.83	229.69	229.69	-656.57	695.59	289.28	0.39
6,860.00	10.25	291.28	6,804.51	230.98	230.98	-659.90	699.15	289.29	0.28
6,880.00	10.13	291.19	6,824.19	232.26	232.26	-663.19	702.69	289.30	0.60
6,900.00	10.04	291.26	6,843.88	233.53	233.53	-666.46	706.19	289.31	0.43
6,920.00	9.86	291.12	6,863.58	234.78	234.78	-669.68	709.65	289.32	0.91
6,940.00	9.75	290.88	6,883.29	236.00	236.00	-672.86	713.05	289.33	0.59
6,960.00	9.72	291.11	6,903.00	237.22	237.22	-676.02	716.43	289.34	0.25
6,980.00	9.69	291.02	6,922.71	238.43	238.43	-679.17	719.80	289.34	0.17
7,000.00	9.46	291.09	6,942.44	239.62	239.62	-682.27	723.13	289.35	1.15
7,020.00	9.39	291.27	6,962.17	240.81	240.81	-685.33	726.40	289.36	0.36
7,040.00	9.23	292.28	6,981.90	242.01	242.01	-688.33	729.63	289.37	1.17
7,060.00	9.16	293.59	7,001.64	243.25	243.25	-691.27	732.82	289.39	1.10
7,080.00	9.06	295.76	7,021.39	244.57	244.57	-694.15	735.97	289.41	1.79
7,100.00	9.01	296.34	7,041.14	245.95	245.95	-696.97	739.09	289.44	0.51
7,120.00	8.99	296.62	7,060.90	247.35	247.35	-699.77	742.20	289.47	0.24
7,140.00	8.98	296.80	7,080.65	248.75	248.75	-702.56	745.30	289.50	0.15
7,160.00	8.97	297.07	7,100.41	250.16	250.16	-705.34	748.39	289.53	0.22
7,180.00	8.98	297.09	7,120.16	251.59	251.59	-708.12	751.49	289.56	0.04
7,200.00	8.90	297.32	7,139.92	253.01	253.01	-710.89	754.57	289.59	0.44
7,220.00	8.92	297.73	7,159.68	254.44	254.44	-713.63	757.63	289.62	0.34
7,240.00	8.98	298.09	7,179.44	255.89	255.89	-716.38	760.71	289.66	0.39
7,260.00	9.03	299.23	7,199.19	257.39	257.39	-719.13	763.80	289.69	0.93
7,280.00	9.04	299.42	7,218.94	258.93	258.93	-721.87	766.90	289.73	0.16
7,300.00	9.07	299.47	7,238.69	260.48	260.48	-724.61	770.00	289.77	0.18
7,320.00	9.13	299.46	7,258.44	262.04	262.04	-727.36	773.12	289.81	0.29
7,340.00	9.15	299.51	7,278.19	263.60	263.60	-730.13	776.25	289.85	0.08
7,360.00	9.16	299.44	7,297.93	265.16	265.16	-732.90	779.39	289.89	0.08
7,380.00	9.17	299.40	7,317.68	266.73	266.73	-735.67	782.53	289.93	0.08
7,400.00	9.16	299.52	7,337.42	268.30	268.30	-738.44	785.67	289.97	0.12

VAUGHN ENERGY SERVICES

3400 CR 48 ROBSTOWN, TEXAS 78380 361-767-0602

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
7,420.00	9.05	298.83	7,357.17	269.84	269.84	-741.21	788.80	290.00	0.75
7,440.00	9.02	298.78	7,376.92	271.35	271.35	-743.96	791.90	290.04	0.17
7,460.00	8.97	298.62	7,396.67	272.85	272.85	-746.70	795.00	290.07	0.29
7,480.00	8.79	298.35	7,416.43	274.33	274.33	-749.42	798.05	290.11	0.90
7,500.00	8.74	298.46	7,436.20	275.78	275.78	-752.10	801.07	290.14	0.27
7,520.00	8.75	298.24	7,455.97	277.22	277.22	-754.78	804.08	290.17	0.17
7,540.00	8.76	298.35	7,475.74	278.66	278.66	-757.46	807.09	290.20	0.10
7,560.00	8.75	298.19	7,495.50	280.11	280.11	-760.14	810.11	290.23	0.12
7,580.00	8.76	298.24	7,515.27	281.55	281.55	-762.82	813.12	290.26	0.06
7,600.00	8.60	297.41	7,535.04	282.96	282.96	-765.49	816.12	290.29	1.02
7,620.00	8.49	297.54	7,554.82	284.33	284.33	-768.13	819.06	290.31	0.59
7,640.00	8.32	296.76	7,574.60	285.66	285.66	-770.73	821.97	290.34	1.00
7,660.00	8.27	296.33	7,594.39	286.95	286.95	-773.31	824.83	290.36	0.40
7,680.00	8.21	296.67	7,614.19	288.23	288.23	-775.88	827.68	290.38	0.38
7,700.00	8.15	296.23	7,633.98	289.50	289.50	-778.42	830.51	290.40	0.44
7,720.00	7.96	295.60	7,653.79	290.72	290.72	-780.94	833.30	290.42	1.03
7,740.00	7.63	294.97	7,673.60	291.88	291.88	-783.40	836.01	290.43	1.71
7,760.00	7.52	295.01	7,693.43	292.99	292.99	-785.79	838.63	290.45	0.54
7,780.00	7.44	295.05	7,713.26	294.10	294.10	-788.15	841.23	290.46	0.41
7,800.00	7.39	296.34	7,733.09	295.21	295.21	-790.47	843.80	290.48	0.87
7,820.00	7.13	304.19	7,752.93	296.48	296.48	-792.65	846.28	290.51	5.11
7,840.00	7.01	308.13	7,772.78	297.93	297.93	-794.64	848.65	290.55	2.51
7,860.00	6.97	309.82	7,792.63	299.46	299.46	-796.53	850.96	290.60	1.05
7,880.00	6.98	310.13	7,812.48	301.02	301.02	-798.39	853.25	290.66	0.20
7,900.00	7.01	310.03	7,832.33	302.59	302.59	-800.25	855.55	290.71	0.13
7,920.00	6.87	310.29	7,852.18	304.15	304.15	-802.10	857.83	290.77	0.69
7,940.00	6.83	309.89	7,872.04	305.69	305.69	-803.93	860.08	290.82	0.33
7,960.00	6.81	310.27	7,891.90	307.22	307.22	-805.74	862.32	290.87	0.24
7,980.00	6.70	310.26	7,911.76	308.74	308.74	-807.54	864.54	290.92	0.52
8,000.00	6.60	310.34	7,931.63	310.24	310.24	-809.30	866.73	290.97	0.52
8,020.00	6.45	309.96	7,951.50	311.70	311.70	-811.04	868.88	291.02	0.80
8,040.00	6.32	309.69	7,971.37	313.12	313.12	-812.75	870.98	291.07	0.66
8,060.00	6.18	309.82	7,991.25	314.52	314.52	-814.42	873.04	291.12	0.70
8,080.00	6.00	309.67	8,011.14	315.87	315.87	-816.05	875.05	291.16	0.92
8,100.00	5.86	309.68	8,031.04	317.19	317.19	-817.64	877.01	291.20	0.65

VAUGHN ENERGY SERVICES

3400 CR 48 ROBSTOWN, TEXAS 78380 361-767-0602

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
8,120.00	5.74	309.77	8,050.93	318.48	318.48	-819.20	878.93	291.24	0.60
8,140.00	5.68	309.91	8,070.83	319.76	319.76	-820.73	880.82	291.29	0.34
8,160.00	5.64	310.17	8,090.74	321.03	321.03	-822.24	882.68	291.33	0.23
8,180.00	5.56	309.92	8,110.64	322.28	322.28	-823.73	884.53	291.37	0.40
8,200.00	5.50	309.85	8,130.55	323.52	323.52	-825.21	886.36	291.41	0.33
8,220.00	5.41	309.69	8,150.46	324.74	324.74	-826.67	888.17	291.45	0.47
8,240.00	5.21	308.88	8,170.37	325.91	325.91	-828.10	889.93	291.48	1.05
8,260.00	5.05	307.92	8,190.29	327.02	327.02	-829.51	891.64	291.52	0.89
8,280.00	4.95	307.97	8,210.21	328.09	328.09	-830.88	893.31	291.55	0.54
8,300.00	4.75	307.82	8,230.14	329.13	329.13	-832.21	894.93	291.58	1.00
8,320.00	4.68	307.36	8,250.08	330.13	330.13	-833.52	896.51	291.61	0.39
8,340.00	4.66	307.93	8,270.01	331.13	331.13	-834.81	898.08	291.64	0.25
8,360.00	4.68	308.22	8,289.94	332.13	332.13	-836.09	899.64	291.67	0.16
8,380.00	4.72	308.15	8,309.87	333.15	333.15	-837.38	901.21	291.69	0.21
8,400.00	4.75	307.86	8,329.81	334.16	334.16	-838.68	902.80	291.72	0.16
8,420.00	4.72	308.38	8,349.74	335.18	335.18	-839.98	904.38	291.75	0.25
8,440.00	4.65	308.42	8,369.67	336.20	336.20	-841.26	905.95	291.78	0.34
8,460.00	4.49	309.24	8,389.61	337.20	337.20	-842.50	907.47	291.81	0.88
8,480.00	4.41	309.06	8,409.55	338.18	338.18	-843.70	908.95	291.84	0.38
8,500.00	4.42	309.47	8,429.49	339.15	339.15	-844.90	910.42	291.87	0.16
8,520.00	4.45	309.79	8,449.43	340.14	340.14	-846.09	911.90	291.90	0.17
8,540.00	4.48	309.29	8,469.37	341.13	341.13	-847.29	913.38	291.93	0.26
8,560.00	4.55	309.05	8,489.31	342.12	342.12	-848.51	914.88	291.96	0.38
8,580.00	4.63	308.14	8,509.24	343.12	343.12	-849.76	916.42	291.99	0.54
8,600.00	4.68	307.71	8,529.18	344.12	344.12	-851.04	917.98	292.02	0.32
8,620.00	4.71	308.06	8,549.11	345.13	345.13	-852.33	919.55	292.04	0.20
8,640.00	4.75	307.47	8,569.04	346.13	346.13	-853.64	921.14	292.07	0.29
8,660.00	4.69	306.98	8,588.97	347.13	347.13	-854.95	922.73	292.10	0.33
8,680.00	4.58	306.67	8,608.91	348.10	348.10	-856.24	924.29	292.12	0.58
8,700.00	4.48	305.91	8,628.84	349.03	349.03	-857.51	925.83	292.15	0.59
8,720.00	4.38	306.44	8,648.78	349.95	349.95	-858.76	927.32	292.17	0.55
8,740.00	4.28	305.69	8,668.73	350.83	350.83	-859.98	928.79	292.19	0.57
8,760.00	4.26	305.71	8,688.67	351.70	351.70	-861.19	930.23	292.21	0.10
8,780.00	4.26	306.76	8,708.62	352.58	352.58	-862.38	931.68	292.24	0.39
8,800.00	4.32	305.76	8,728.56	353.46	353.46	-863.59	933.13	292.26	0.46

Depth ft	Accinclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
8,820.00	4.30	306.15	8,748.50	354.35	354.35	-864.81	934.59	292.28	0.17
8,840.00	4.32	305.38	8,768.45	355.23	355.23	-866.03	936.05	292.30	0.30
8,860.00	4.34	305.06	8,788.39	356.10	356.10	-867.26	937.52	292.32	0.15
8,880.00	4.37	305.58	8,808.33	356.97	356.97	-868.50	939.00	292.34	0.28
8,900.00	4.37	305.67	8,828.27	357.86	357.86	-869.74	940.48	292.37	0.04
8,920.00	4.37	305.55	8,848.22	358.75	358.75	-870.98	941.97	292.39	0.05
8,940.00	4.32	305.98	8,868.16	359.63	359.63	-872.21	943.44	292.41	0.30
8,960.00	4.10	307.12	8,888.11	360.51	360.51	-873.38	944.86	292.43	1.16
8,980.00	4.02	308.28	8,908.06	361.37	361.37	-874.51	946.23	292.45	0.57
9,000.00	3.95	308.64	8,928.01	362.24	362.24	-875.59	947.56	292.48	0.40
9,020.00	3.96	308.52	8,947.96	363.10	363.10	-876.67	948.89	292.50	0.10
9,040.00	3.96	308.96	8,967.91	363.96	363.96	-877.75	950.22	292.52	0.16
9,060.00	3.97	308.47	8,987.86	364.83	364.83	-878.83	951.54	292.54	0.18
9,080.00	3.96	308.00	9,007.82	365.68	365.68	-879.91	952.87	292.57	0.17
9,100.00	3.86	306.77	9,027.77	366.51	366.51	-881.00	954.19	292.59	0.64
9,120.00	3.70	302.47	9,047.73	367.26	367.26	-882.08	955.48	292.60	1.64
9,140.00	3.65	299.96	9,067.68	367.92	367.92	-883.17	956.75	292.62	0.83
9,160.00	3.60	297.52	9,087.64	368.53	368.53	-884.28	958.01	292.62	0.81
9,180.00	3.60	296.91	9,107.61	369.11	369.11	-885.40	959.26	292.63	0.20
9,200.00	3.58	296.93	9,127.57	369.67	369.67	-886.52	960.50	292.64	0.08
9,220.00	3.58	297.04	9,147.53	370.24	370.24	-887.63	961.75	292.64	0.04
9,240.00	3.51	296.42	9,167.49	370.80	370.80	-888.73	962.98	292.65	0.41
9,260.00	3.40	295.66	9,187.45	371.33	371.33	-889.82	964.19	292.65	0.59
9,280.00	3.23	296.24	9,207.42	371.83	371.83	-890.86	965.34	292.65	0.87
9,300.00	3.09	295.41	9,227.39	372.31	372.31	-891.85	966.44	292.66	0.76
9,320.00	2.93	295.19	9,247.36	372.76	372.76	-892.80	967.49	292.66	0.81
9,340.00	2.80	294.06	9,267.34	373.18	373.18	-893.71	968.49	292.66	0.68
9,360.00	2.66	291.05	9,287.31	373.54	373.54	-894.59	969.44	292.66	1.03
9,380.00	2.49	288.39	9,307.29	373.85	373.85	-895.43	970.34	292.66	1.01
9,400.00	2.40	285.15	9,327.27	374.09	374.09	-896.25	971.19	292.66	0.84
9,420.00	2.31	282.22	9,347.26	374.29	374.29	-897.04	972.00	292.65	0.75
9,440.00	2.22	280.67	9,367.24	374.44	374.44	-897.82	972.77	292.64	0.53
9,460.00	2.16	279.51	9,387.23	374.58	374.58	-898.57	973.52	292.63	0.36
9,480.00	2.14	279.03	9,407.21	374.70	374.70	-899.31	974.25	292.62	0.15
9,500.00	2.11	277.30	9,427.20	374.80	374.80	-900.04	974.97	292.61	0.35

Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
9,520.00	2.05	272.06	9,447.19	374.86	374.86	-900.77	975.66	292.60	1.00
9,540.00	1.95	269.46	9,467.17	374.87	374.87	-901.47	976.30	292.58	0.66
9,560.00	1.84	258.18	9,487.16	374.80	374.80	-902.12	976.88	292.56	1.94
9,580.00	1.81	254.77	9,507.15	374.66	374.66	-902.74	977.40	292.54	0.57
9,600.00	1.79	252.98	9,527.14	374.48	374.48	-903.35	977.89	292.52	0.29
9,620.00	1.80	251.16	9,547.13	374.29	374.29	-903.94	978.37	292.49	0.29
9,640.00	1.76	250.58	9,567.12	374.08	374.08	-904.53	978.83	292.47	0.25
9,660.00	1.67	250.95	9,587.11	373.89	373.89	-905.09	979.28	292.45	0.45
9,680.00	1.61	249.63	9,607.11	373.69	373.69	-905.63	979.70	292.42	0.34
9,700.00	1.57	249.52	9,627.10	373.50	373.50	-906.15	980.11	292.40	0.20
9,720.00	1.52	249.92	9,647.09	373.31	373.31	-906.66	980.51	292.38	0.27
9,740.00	1.49	251.85	9,667.08	373.14	373.14	-907.15	980.90	292.36	0.29
9,760.00	1.44	252.82	9,687.08	372.99	372.99	-907.64	981.29	292.34	0.30
9,780.00	1.45	254.16	9,707.07	372.84	372.84	-908.12	981.68	292.32	0.18
9,800.00	1.43	255.75	9,727.07	372.71	372.71	-908.61	982.08	292.30	0.22
9,820.00	1.46	256.61	9,747.06	372.59	372.59	-909.10	982.49	292.29	0.19
9,840.00	1.48	259.12	9,767.05	372.48	372.48	-909.60	982.91	292.27	0.34
9,860.00	1.52	261.60	9,787.05	372.40	372.40	-910.12	983.36	292.25	0.37
9,880.00	1.52	262.12	9,807.04	372.32	372.32	-910.64	983.82	292.24	0.08
9,900.00	1.53	263.16	9,827.03	372.25	372.25	-911.17	984.28	292.22	0.14
9,920.00	1.55	263.65	9,847.02	372.19	372.19	-911.70	984.75	292.21	0.14
9,940.00	1.52	263.18	9,867.02	372.13	372.13	-912.24	985.22	292.19	0.16
9,960.00	1.55	264.50	9,887.01	372.07	372.07	-912.77	985.69	292.18	0.22
9,980.00	1.55	264.61	9,907.00	372.02	372.02	-913.31	986.17	292.16	0.02
10,000.00	1.53	264.61	9,927.00	371.97	371.97	-913.84	986.65	292.15	0.08
10,020.00	1.50	263.86	9,946.99	371.92	371.92	-914.37	987.12	292.13	0.18
10,040.00	1.43	263.27	9,966.98	371.86	371.86	-914.88	987.57	292.12	0.36
10,060.00	1.28	256.39	9,986.98	371.78	371.78	-915.35	987.97	292.11	1.11
10,080.00	1.12	248.60	10,006.97	371.65	371.65	-915.75	988.29	292.09	1.15
10,100.00	0.98	237.78	10,026.97	371.49	371.49	-916.07	988.53	292.07	1.21
10,120.00	0.92	229.74	10,046.97	371.30	371.30	-916.34	988.71	292.06	0.73
10,140.00	0.84	228.08	10,066.96	371.10	371.10	-916.57	988.84	292.04	0.42
10,160.00	0.78	223.58	10,086.96	370.90	370.90	-916.77	988.96	292.03	0.42
10,180.00	0.67	223.07	10,106.96	370.71	370.71	-916.95	989.05	292.01	0.55
10,200.00	0.61	222.11	10,126.96	370.55	370.55	-917.10	989.13	292.00	0.31

VAUGHN ENERGY SERVICES

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
10,220.00	0.57	224.79	10,146.96	370.40	370.40	-917.24	989.21	291.99	0.25
10,240.00	0.55	225.22	10,166.96	370.26	370.26	-917.38	989.28	291.98	0.13
10,260.00	0.53	225.28	10,186.96	370.13	370.13	-917.51	989.36	291.97	0.07
10,280.00	0.51	228.22	10,206.95	370.00	370.00	-917.65	989.43	291.96	0.17
10,300.00	0.49	227.93	10,226.95	369.89	369.89	-917.78	989.51	291.95	0.11
10,320.00	0.47	228.71	10,246.95	369.77	369.77	-917.90	989.58	291.94	0.11
10,340.00	0.49	235.76	10,266.95	369.67	369.67	-918.03	989.67	291.93	0.32
10,360.00	0.51	242.64	10,286.95	369.58	369.58	-918.19	989.78	291.93	0.31
10,380.00	0.57	245.39	10,306.95	369.50	369.50	-918.36	989.90	291.92	0.35
10,400.00	0.68	249.02	10,326.95	369.42	369.42	-918.56	990.06	291.91	0.57
10,420.00	0.73	246.27	10,346.95	369.32	369.32	-918.78	990.23	291.90	0.28
10,440.00	0.70	238.82	10,366.95	369.21	369.21	-919.01	990.40	291.89	0.48
10,460.00	0.55	228.66	10,386.95	369.08	369.08	-919.18	990.51	291.88	0.95
10,480.00	0.35	227.64	10,406.94	368.98	368.98	-919.30	990.58	291.87	0.98
10,500.00	0.17	213.95	10,426.94	368.91	368.91	-919.36	990.62	291.86	0.98
10,520.00	0.13	173.56	10,446.94	368.86	368.86	-919.37	990.61	291.86	0.54
10,540.00	0.21	81.84	10,466.94	368.85	368.85	-919.34	990.57	291.86	1.26
10,560.00	0.38	67.26	10,486.94	368.88	368.88	-919.24	990.49	291.86	0.92
10,580.00	0.48	45.22	10,506.94	368.96	368.96	-919.12	990.41	291.87	0.95
10,600.00	0.45	22.20	10,526.94	369.09	369.09	-919.03	990.38	291.88	0.94
10,620.00	0.30	34.05	10,546.94	369.21	369.21	-918.97	990.36	291.89	0.88
10,640.00	0.19	87.47	10,566.94	369.25	369.25	-918.91	990.32	291.89	1.19
10,660.00	0.28	104.94	10,586.94	369.24	369.24	-918.83	990.25	291.89	0.55
10,680.00	0.41	84.16	10,606.94	369.24	369.24	-918.71	990.13	291.90	0.90
10,700.00	0.49	60.93	10,626.94	369.29	369.29	-918.56	990.02	291.90	0.98
10,720.00	0.51	25.05	10,646.94	369.41	369.41	-918.45	989.96	291.91	1.54
10,740.00	0.66	349.91	10,666.94	369.60	369.60	-918.43	990.01	291.92	1.91
10,760.00	0.97	330.20	10,686.94	369.86	369.86	-918.54	990.21	291.93	2.06
10,780.00	1.13	319.63	10,706.93	370.16	370.16	-918.75	990.52	291.94	1.26
10,800.00	1.12	318.40	10,726.93	370.46	370.46	-919.01	990.86	291.95	0.14
10,820.00	1.06	319.80	10,746.93	370.74	370.74	-919.26	991.20	291.96	0.31
10,840.00	1.07	322.11	10,766.92	371.03	371.03	-919.49	991.53	291.97	0.22
10,860.00	1.10	323.95	10,786.92	371.33	371.33	-919.72	991.85	291.99	0.24
10,880.00	1.06	321.01	10,806.92	371.63	371.63	-919.95	992.18	292.00	0.35
10,900.00	1.04	321.16	10,826.91	371.92	371.92	-920.18	992.50	292.01	0.10

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
10,920.00	0.97	320.28	10,846.91	372.19	372.19	-920.40	992.80	292.02	0.35
10,940.00	0.90	326.27	10,866.91	372.45	372.45	-920.59	993.08	292.03	0.61
10,960.00	0.83	334.28	10,886.90	372.71	372.71	-920.74	993.32	292.04	0.68
10,980.00	0.81	336.87	10,906.90	372.97	372.97	-920.86	993.53	292.05	0.21
11,000.00	0.82	349.20	10,926.90	373.24	373.24	-920.95	993.71	292.06	0.88
11,020.00	0.79	354.34	10,946.90	373.52	373.52	-920.99	993.85	292.08	0.38
11,040.00	0.78	4.41	10,966.90	373.79	373.79	-920.99	993.95	292.09	0.69
11,060.00	0.80	13.25	10,986.89	374.06	374.06	-920.95	994.02	292.11	0.62
11,080.00	0.83	17.52	11,006.89	374.34	374.34	-920.87	994.05	292.12	0.33
11,100.00	0.89	23.77	11,026.89	374.62	374.62	-920.76	994.06	292.14	0.56
11,120.00	0.95	27.98	11,046.89	374.91	374.91	-920.62	994.03	292.16	0.44
11,140.00	1.01	25.97	11,066.88	375.21	375.21	-920.47	994.01	292.18	0.37
11,160.00	1.06	27.68	11,086.88	375.54	375.54	-920.31	993.98	292.20	0.26
11,180.00	1.09	28.64	11,106.88	375.87	375.87	-920.13	993.94	292.22	0.20
11,200.00	1.13	29.49	11,126.87	376.21	376.21	-919.94	993.89	292.24	0.19
11,220.00	1.20	32.86	11,146.87	376.55	376.55	-919.73	993.83	292.26	0.50
11,240.00	1.23	30.67	11,166.87	376.91	376.91	-919.51	993.76	292.29	0.27
11,260.00	1.18	27.15	11,186.86	377.28	377.28	-919.30	993.71	292.31	0.43
11,280.00	1.08	26.72	11,206.86	377.63	377.63	-919.13	993.68	292.34	0.52
11,300.00	0.94	24.51	11,226.85	377.95	377.95	-918.97	993.66	292.36	0.71
11,320.00	0.59	38.04	11,246.85	378.18	378.18	-918.84	993.62	292.37	1.96
11,340.00	0.51	45.69	11,266.85	378.32	378.32	-918.71	993.56	292.38	0.57
11,360.00	0.41	37.89	11,286.85	378.44	378.44	-918.61	993.51	292.39	0.58
11,380.00	0.35	18.32	11,306.85	378.55	378.55	-918.54	993.49	292.40	0.70
11,400.00	0.33	5.85	11,326.85	378.67	378.67	-918.52	993.51	292.40	0.39
11,420.00	0.33	351.10	11,346.85	378.78	378.78	-918.52	993.56	292.41	0.42
11,440.00	0.29	346.95	11,366.85	378.89	378.89	-918.54	993.62	292.42	0.22
11,460.00	0.31	337.02	11,386.85	378.98	378.98	-918.58	993.69	292.42	0.27
11,480.00	0.21	345.22	11,406.85	379.07	379.07	-918.61	993.74	292.42	0.53
11,500.00	0.10	35.66	11,426.85	379.12	379.12	-918.60	993.76	292.43	0.81
11,520.00	0.25	70.38	11,446.85	379.15	379.15	-918.55	993.73	292.43	0.86
11,540.00	0.40	52.98	11,466.85	379.20	379.20	-918.46	993.66	292.43	0.89
11,560.00	0.44	24.31	11,486.85	379.32	379.32	-918.37	993.62	292.44	1.06
11,580.00	0.30	354.23	11,506.85	379.44	379.44	-918.34	993.64	292.45	1.18
11,600.00	0.19	48.32	11,526.85	379.51	379.51	-918.32	993.65	292.45	1.22

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Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
11,620.00	0.44	37.82	11,546.85	379.60	379.60	-918.25	993.62	292.46	1.26
11,640.00	0.50	10.88	11,566.85	379.74	379.74	-918.19	993.62	292.47	1.13
11,660.00	0.30	5.08	11,586.85	379.88	379.88	-918.17	993.65	292.48	0.99
11,680.00	0.44	37.54	11,606.85	379.99	379.99	-918.12	993.65	292.48	1.22
11,700.00	0.57	2.47	11,626.84	380.15	380.15	-918.07	993.66	292.49	1.65
11,720.00	0.36	17.23	11,646.84	380.31	380.31	-918.04	993.70	292.50	1.20
11,740.00	0.57	32.86	11,666.84	380.46	380.46	-917.97	993.69	292.51	1.19
11,760.00	0.54	359.91	11,686.84	380.63	380.63	-917.92	993.71	292.52	1.57
11,780.00	0.45	35.20	11,706.84	380.79	380.79	-917.87	993.72	292.53	1.55
11,800.00	0.68	17.13	11,726.84	380.97	380.97	-917.79	993.72	292.54	1.45
11,820.00	0.41	28.63	11,746.84	381.15	381.15	-917.72	993.72	292.55	1.48
11,840.00	0.27	30.27	11,766.84	381.25	381.25	-917.66	993.71	292.56	0.69
11,860.00	0.67	191.33	11,786.84	381.18	381.18	-917.66	993.68	292.56	4.63
11,880.00	2.14	198.72	11,806.83	380.71	380.71	-917.80	993.63	292.53	7.39
11,900.00	3.85	194.49	11,826.80	379.71	379.71	-918.09	993.51	292.47	8.65
11,920.00	5.52	189.62	11,846.73	378.11	378.11	-918.42	993.21	292.38	8.55
11,940.00	7.25	183.78	11,866.61	375.90	375.90	-918.66	992.60	292.25	9.25
11,960.00	9.38	181.94	11,886.39	373.01	373.01	-918.80	991.63	292.10	10.73
11,980.00	11.55	183.71	11,906.06	369.39	369.39	-918.99	990.45	291.90	10.98
12,000.00	13.61	184.67	11,925.57	365.04	365.04	-919.31	989.13	291.66	10.32
12,020.00	15.75	184.07	11,944.92	359.99	359.99	-919.69	987.64	291.38	10.73
12,040.00	18.21	182.98	11,964.04	354.16	354.16	-920.05	985.86	291.05	12.41
12,060.00	20.22	180.90	11,982.92	347.59	347.59	-920.26	983.72	290.69	10.62
12,080.00	22.27	179.64	12,001.56	340.34	340.34	-920.29	981.21	290.30	10.52
12,100.00	23.90	180.06	12,019.96	332.50	332.50	-920.27	978.50	289.87	8.19
12,120.00	25.63	180.49	12,038.12	324.12	324.12	-920.31	975.72	289.40	8.68
12,140.00	27.57	180.59	12,056.00	315.17	315.17	-920.40	972.87	288.90	9.68
12,160.00	30.19	180.45	12,073.51	305.51	305.51	-920.49	969.86	288.36	13.11
12,180.00	32.40	180.54	12,090.59	295.13	295.13	-920.58	966.73	287.78	11.07
12,200.00	34.43	180.73	12,107.28	284.12	284.12	-920.70	963.54	287.15	10.19
12,220.00	36.32	180.03	12,123.59	272.54	272.54	-920.77	960.26	286.49	9.63
12,240.00	38.29	178.21	12,139.50	260.42	260.42	-920.58	956.71	285.80	11.31
12,260.00	40.31	175.91	12,154.97	247.78	247.78	-919.93	952.71	285.07	12.43
12,280.00	43.02	174.17	12,169.91	234.54	234.54	-918.78	948.24	284.32	14.75
12,300.00	45.72	172.76	12,184.20	220.65	220.65	-917.18	943.35	283.53	14.38

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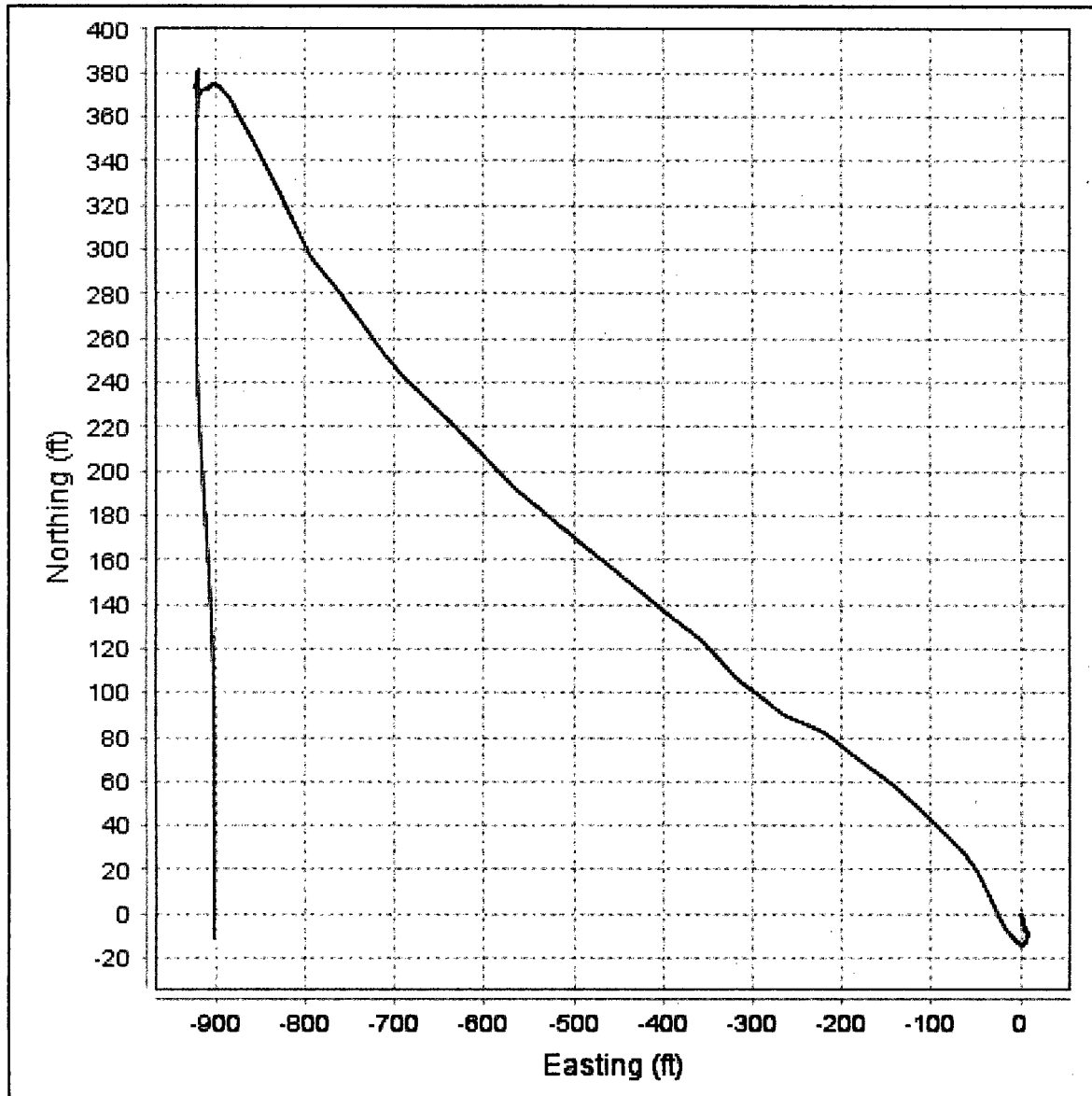
Depth ft	AccInclination deg	AzimuthGC deg	TVD ft	VS ft	Northing ft	Easting ft	Closure Distance ft	Closure Angle deg	DLS/100ft deg/100
12,320.00	48.18	171.59	12,197.85	206.17	206.17	-915.19	938.12	282.70	13.02
12,340.00	51.04	170.90	12,210.80	191.12	191.12	-912.87	932.66	281.82	14.50
12,360.00	53.80	170.95	12,223.00	175.47	175.47	-910.37	927.13	280.91	13.80
12,380.00	56.40	171.32	12,234.44	159.27	159.27	-907.85	921.71	279.95	13.10
12,400.00	58.93	172.23	12,245.13	142.55	142.55	-905.43	916.58	278.95	13.23
12,420.00	61.16	173.95	12,255.12	125.35	125.35	-903.35	912.01	277.90	13.42
12,440.00	62.81	176.46	12,264.51	107.77	107.77	-901.88	908.29	276.81	13.79
12,460.00	63.18	178.87	12,273.59	89.96	89.96	-901.15	905.63	275.70	10.92
12,480.00	63.49	180.09	12,282.57	72.09	72.09	-900.99	903.87	274.57	5.64
12,500.00	64.25	180.50	12,291.38	54.14	54.14	-901.08	902.71	273.44	4.21
12,520.00	64.32	180.53	12,300.06	36.12	36.12	-901.24	901.97	272.30	0.40
12,540.00	64.40	180.50	12,308.71	18.09	18.09	-901.40	901.58	271.15	0.42
12,560.00	64.57	180.53	12,317.32	0.04	0.04	-901.57	901.57	270.00	0.83
12,572.10	63.77	180.49	12,322.60	-10.85	-10.85	-901.66	901.73	269.31	6.58

Horizontal Displacement is
901.73 ft at 269.31 deg

VAUGHN ENERGY SERVICES

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Plan View



VAUGHN ENERGY SERVICES

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