

Minimum Radius of Curvature

API: 30-025-52960 **Well:** Burke State Com 150H **Wellhead Location** **Lat :** 32.254464
Operator: Matador Resources **Area:** Jal, NM **Long :** 103.388675
Rig: **Type:** U-Lateral **Magnetic Declination:** 6.11
TD: 22,173' **Plane of Proposal:** 359.44

Measured Depth Ft	Drift Angle Deg	Azimuth Direction Deg	Course Length Ft	TVD Ft	Vertical Section Ft	COORDINATES		CLOSURE		Dog Leg Severity Deg/100'	Build / Drop Deg/100'	Left / Right Deg/100'
						N-S Ft	E-W Ft	Distance FT	Direction Deg			
0.00	0.00	0.00		0.0	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	100	100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	0.00	0.00	100	200.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	0.00	0.00	100	300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400	0.00	0.00	100	400.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	0.00	0.00	100	500.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600	0.00	0.00	100	600.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700	0.00	0.00	100	700.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800	0.00	0.00	100	800.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900	0.00	0.00	100	900.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1000	0.00	0.00	100	1000.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100	0.00	0.00	100	1100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200	0.00	0.00	100	1200.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1289	0.00	0.00	89	1289.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1300	0.00	0.00	11	1300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1400	0.00	0.00	100	1400.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500	2.00	243.76	100	1500.0	-0.76	-0.77	-1.57	1.75	243.76	2.00	2.00	0.00
1600	4.00	243.76	100	1599.8	-3.02	-3.09	-6.26	6.98	243.76	2.00	2.00	0.00
1700	6.00	243.76	100	1699.5	-6.80	-6.94	-14.08	15.69	243.76	2.00	2.00	0.00
1800	8.00	243.76	100	1798.7	-12.08	-12.33	-25.01	27.88	243.76	2.00	2.00	0.00
1900	8.00	243.76	100	1897.7	-18.11	-18.48	-37.49	41.80	243.76	0.00	0.00	0.00
2000	8.00	243.76	100	1996.8	-24.14	-24.63	-49.97	55.71	243.76	0.00	0.00	0.00
2100	8.00	243.76	100	2095.8	-30.17	-30.79	-62.46	69.63	243.76	0.00	0.00	0.00
2200	8.00	243.76	100	2194.8	-36.21	-36.94	-74.94	83.55	243.76	0.00	0.00	0.00
2300	8.00	243.76	100	2293.8	-42.24	-43.09	-87.42	97.47	243.76	0.00	0.00	0.00
2400	8.00	243.76	100	2392.9	-48.27	-49.25	-99.91	111.38	243.76	0.00	0.00	0.00
2500	8.00	243.76	100	2491.9	-54.30	-55.40	-112.39	125.30	243.76	0.00	0.00	0.00
2600	8.00	243.76	100	2590.9	-60.33	-61.55	-124.87	139.22	243.76	0.00	0.00	0.00
2700	8.00	243.76	100	2689.9	-66.36	-67.71	-137.36	153.14	243.76	0.00	0.00	0.00
2800	8.00	243.76	100	2789.0	-72.39	-73.86	-149.84	167.05	243.76	0.00	0.00	0.00
2900	8.00	243.76	100	2888.0	-78.42	-80.01	-162.32	180.97	243.76	0.00	0.00	0.00
3000	8.00	243.76	100	2987.0	-84.45	-86.17	-174.80	194.89	243.76	0.00	0.00	0.00
3100	8.00	243.76	100	3086.1	-90.48	-92.32	-187.29	208.80	243.76	0.00	0.00	0.00
3200	8.00	243.76	100	3185.1	-96.52	-98.47	-199.77	222.72	243.76	0.00	0.00	0.00
3300	8.00	243.76	100	3284.1	-102.55	-104.63	-212.25	236.64	243.76	0.00	0.00	0.00
3400	8.00	243.76	100	3383.1	-108.58	-110.78	-224.74	250.56	243.76	0.00	0.00	0.00
3500	8.00	243.76	100	3482.2	-114.61	-116.93	-237.22	264.47	243.76	0.00	0.00	0.00
3600	8.00	243.76	100	3581.2	-120.64	-123.09	-249.70	278.39	243.76	0.00	0.00	0.00
3700	8.00	243.76	100	3680.2	-126.67	-129.24	-262.19	292.31	243.76	0.00	0.00	0.00
3800	8.00	243.76	100	3779.2	-132.70	-135.39	-274.67	306.23	243.76	0.00	0.00	0.00
3900	8.00	243.76	100	3878.3	-138.73	-141.55	-287.15	320.14	243.76	0.00	0.00	0.00
4000	8.00	243.76	100	3977.3	-144.76	-147.70	-299.64	334.06	243.76	0.00	0.00	0.00
4100	8.00	243.76	100	4076.3	-150.79	-153.85	-312.12	347.98	243.76	0.00	0.00	0.00
4200	8.00	243.76	100	4175.3	-156.83	-160.01	-324.60	361.90	243.76	0.00	0.00	0.00
4300	8.00	243.76	100	4274.4	-162.86	-166.16	-337.09	375.81	243.76	0.00	0.00	0.00
4400	8.00	243.76	100	4373.4	-168.89	-172.31	-349.57	389.73	243.76	0.00	0.00	0.00
4500	8.00	243.76	100	4472.4	-174.92	-178.47	-362.05	403.65	243.76	0.00	0.00	0.00
4600	8.00	243.76	100	4571.5	-180.95	-184.62	-374.53	417.56	243.76	0.00	0.00	0.00
4700	8.00	243.76	100	4670.5	-186.98	-190.77	-387.02	431.48	243.76	0.00	0.00	0.00
4800	8.00	243.76	100	4769.5	-193.01	-196.93	-399.50	445.40	243.76	0.00	0.00	0.00
4900	8.00	243.76	100	4868.5	-199.04	-203.08	-411.98	459.32	243.76	0.00	0.00	0.00
5000	8.00	243.76	100	4967.6	-205.07	-209.23	-424.47	473.23	243.76	0.00	0.00	0.00
5100	8.00	243.76	100	5066.6	-211.10	-215.39	-436.95	487.15	243.76	0.00	0.00	0.00
5100	8.00	243.76	0	5066.8	-211.12	-215.40	-436.98	487.18	243.76	0.00	0.00	0.00
5200	6.50	243.76	100	5165.8	-216.57	-220.97	-448.27	499.77	243.76	1.50	-1.50	0.00
5217	6.24	243.76	17	5183.0	-217.41	-221.81	-449.99	501.69	243.76	1.50	-1.50	0.00
5300	5.00	243.76	83	5265.3	-220.92	-225.40	-457.26	509.79	243.76	1.50	-1.50	0.00
5400	3.50	243.76	100	5365.0	-224.13	-228.67	-463.90	517.20	243.76	1.50	-1.50	0.00

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						N-S Ft	E-W Ft	Distance FT	Direction Deg			
5408	3.38	243.76	8	5373.0	-224.33	-228.88	-464.33	517.68	243.76	1.50	-1.50	0.00
5500	2.00	243.76	92	5464.9	-226.21	-230.79	-468.21	522.00	243.76	1.50	-1.50	0.00
5600	0.50	243.76	100	5564.9	-227.15	-231.76	-470.16	524.18	243.76	1.50	-1.50	0.00
5634	0.00	0.00	34	5598.4	-227.21	-231.82	-470.30	524.33	243.76	1.49	0.00	0.00
5700	0.00	0.00	67	5664.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
5800	0.00	0.00	100	5764.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
5900	0.00	0.00	100	5864.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6000	0.00	0.00	100	5964.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6100	0.00	0.00	100	6064.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6200	0.00	0.00	100	6164.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6300	0.00	0.00	100	6264.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6400	0.00	0.00	100	6364.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6500	0.00	0.00	100	6464.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6501	0.00	0.00	1	6466.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6600	0.00	0.00	99	6564.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6700	0.00	0.00	100	6664.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6800	0.00	0.00	100	6764.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
6900	0.00	0.00	100	6864.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7000	0.00	0.00	100	6964.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7100	0.00	0.00	100	7064.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7200	0.00	0.00	100	7164.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7300	0.00	0.00	100	7264.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7400	0.00	0.00	100	7364.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7500	0.00	0.00	100	7464.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7600	0.00	0.00	100	7564.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7602	0.00	0.00	2	7567.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7700	0.00	0.00	98	7664.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7800	0.00	0.00	100	7764.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
7900	0.00	0.00	100	7864.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8000	0.00	0.00	100	7964.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8100	0.00	0.00	100	8064.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8200	0.00	0.00	100	8164.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8300	0.00	0.00	100	8264.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8400	0.00	0.00	100	8364.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8500	0.00	0.00	100	8464.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8600	0.00	0.00	100	8564.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8649	0.00	0.00	49	8614.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8700	0.00	0.00	51	8664.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8800	0.00	0.00	100	8764.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8900	0.00	0.00	100	8864.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
8908	0.00	0.00	8	8873.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9000	0.00	0.00	92	8964.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9016	0.00	0.00	16	8981.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9100	0.00	0.00	84	9064.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9200	0.00	0.00	100	9164.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9300	0.00	0.00	100	9264.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9400	0.00	0.00	100	9364.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9500	0.00	0.00	100	9464.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9600	0.00	0.00	100	9564.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9700	0.00	0.00	100	9664.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9800	0.00	0.00	100	9764.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9818	0.00	0.00	18	9783.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9900	0.00	0.00	82	9864.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
9966	0.00	0.00	66	9931.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10000	0.00	0.00	34	9964.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10100	0.00	0.00	100	10064.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10139	0.00	0.00	39	10104.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10200	0.00	0.00	61	10164.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00

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10300	0.00	0.00	100	10264.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10327	0.00	0.00	27	10292.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10400	0.00	0.00	73	10364.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10500	0.00	0.00	100	10464.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10600	0.00	0.00	100	10564.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10700	0.00	0.00	100	10664.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10800	0.00	0.00	100	10764.9	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10893	0.00	0.00	93	10858.0	-227.21	-231.82	-470.30	524.33	243.76	0.00	0.00	0.00
10900	0.69	359.48	7	10864.9	-227.17	-231.78	-470.30	524.31	243.76	10.00	10.00	5209.86
11000	10.69	359.48	100	10964.2	-217.27	-221.88	-470.39	520.09	244.75	10.00	10.00	0.00
11021	12.81	359.48	21	10985.0	-212.95	-217.56	-470.42	518.30	245.18	10.00	10.00	0.00
11100	20.69	359.48	79	11060.4	-190.26	-194.87	-470.63	509.38	247.51	10.00	10.00	0.00
11200	30.69	359.48	100	11150.4	-146.97	-151.58	-471.02	494.81	252.16	10.00	10.00	0.00
11300	40.69	359.48	100	11231.5	-88.70	-93.31	-471.55	480.70	258.81	10.00	10.00	0.00
11400	50.69	359.48	100	11301.3	-17.23	-21.85	-472.20	472.71	267.35	10.00	10.00	0.00
11500	60.69	359.48	100	11357.6	65.26	60.64	-472.95	476.82	277.31	10.00	10.00	0.00
11600	70.69	359.48	100	11398.7	156.28	151.65	-473.78	497.46	287.75	10.00	10.00	0.00
11604	71.08	359.48	4	11400.0	159.96	155.34	-473.81	498.62	288.15	10.00	10.00	0.00
11700	80.69	359.48	96	11423.4	253.05	248.43	-474.65	535.73	297.63	10.00	10.00	0.00
11793	90.00	359.48	93	11430.9	345.74	341.11	-475.50	585.20	305.66	10.00	10.00	0.00
11795	90.01	359.44	2	11430.9	347.64	343.01	-475.51	586.32	305.80	2.17	0.53	-2.11
11800	90.01	359.44	5	11430.9	352.64	348.01	-475.56	589.30	306.20	0.00	0.00	0.00
11900	90.01	359.44	100	11430.9	452.64	448.01	-476.54	654.06	313.23	0.00	0.00	0.00
12000	90.01	359.44	100	11430.9	552.64	548.00	-477.52	726.86	318.93	0.00	0.00	0.00
12100	90.01	359.44	100	11430.9	652.64	648.00	-478.49	805.52	323.56	0.00	0.00	0.00
12200	90.01	359.44	100	11430.8	752.64	747.99	-479.47	888.47	327.34	0.00	0.00	0.00
12300	90.01	359.44	100	11430.8	852.64	847.99	-480.45	974.64	330.47	0.00	0.00	0.00
12400	90.01	359.44	100	11430.8	952.64	947.98	-481.43	1063.22	333.08	0.00	0.00	0.00
12500	90.01	359.44	100	11430.8	1052.64	1047.98	-482.40	1153.68	335.28	0.00	0.00	0.00
12600	90.01	359.44	100	11430.8	1152.64	1147.97	-483.38	1245.59	337.17	0.00	0.00	0.00
12700	90.01	359.44	100	11430.8	1252.64	1247.97	-484.36	1338.67	338.79	0.00	0.00	0.00
12800	90.01	359.44	100	11430.7	1352.64	1347.96	-485.34	1432.68	340.20	0.00	0.00	0.00
12900	90.01	359.44	100	11430.7	1452.64	1447.96	-486.31	1527.44	341.43	0.00	0.00	0.00
13000	90.01	359.44	100	11430.7	1552.64	1547.95	-487.29	1622.84	342.53	0.00	0.00	0.00
13100	90.01	359.44	100	11430.7	1652.64	1647.95	-488.27	1718.76	343.50	0.00	0.00	0.00
13200	90.01	359.44	100	11430.7	1752.64	1747.95	-489.25	1815.12	344.36	0.00	0.00	0.00
13300	90.01	359.44	100	11430.6	1852.64	1847.94	-490.22	1911.86	345.14	0.00	0.00	0.00
13400	90.01	359.44	100	11430.6	1952.64	1947.94	-491.20	2008.91	345.85	0.00	0.00	0.00
13500	90.01	359.44	100	11430.6	2052.64	2047.93	-492.18	2106.24	346.49	0.00	0.00	0.00
13600	90.01	359.44	100	11430.6	2152.64	2147.93	-493.15	2203.81	347.07	0.00	0.00	0.00
13700	90.01	359.44	100	11430.6	2252.64	2247.92	-494.13	2301.59	347.60	0.00	0.00	0.00
13800	90.01	359.44	100	11430.6	2352.64	2347.92	-495.11	2399.55	348.09	0.00	0.00	0.00
13900	90.01	359.44	100	11430.5	2452.64	2447.91	-496.09	2497.67	348.54	0.00	0.00	0.00
14000	90.01	359.44	100	11430.5	2552.64	2547.91	-497.06	2595.94	348.96	0.00	0.00	0.00
14100	90.01	359.44	100	11430.5	2652.64	2647.90	-498.04	2694.33	349.35	0.00	0.00	0.00
14200	90.01	359.44	100	11430.5	2752.64	2747.90	-499.02	2792.84	349.71	0.00	0.00	0.00
14300	90.01	359.44	100	11430.5	2852.64	2847.89	-500.00	2891.45	350.04	0.00	0.00	0.00
14400	90.01	359.44	100	11430.5	2952.64	2947.89	-500.97	2990.15	350.36	0.00	0.00	0.00
14500	90.01	359.44	100	11430.4	3052.64	3047.88	-501.95	3088.94	350.65	0.00	0.00	0.00
14600	90.01	359.44	100	11430.4	3152.64	3147.88	-502.93	3187.80	350.92	0.00	0.00	0.00
14700	90.01	359.44	100	11430.4	3252.64	3247.87	-503.91	3286.73	351.18	0.00	0.00	0.00
14800	90.01	359.44	100	11430.4	3352.64	3347.87	-504.88	3385.72	351.42	0.00	0.00	0.00
14900	90.01	359.44	100	11430.4	3452.64	3447.86	-505.86	3484.78	351.65	0.00	0.00	0.00
15000	90.01	359.44	100	11430.4	3552.64	3547.86	-506.84	3583.88	351.87	0.00	0.00	0.00
15100	90.01	359.44	100	11430.3	3652.64	3647.85	-507.82	3683.03	352.07	0.00	0.00	0.00
15200	90.01	359.44	100	11430.3	3752.64	3747.85	-508.79	3782.23	352.27	0.00	0.00	0.00
15300	90.01	359.44	100	11430.3	3852.64	3847.84	-509.77	3881.47	352.45	0.00	0.00	0.00
15400	90.01	359.44	100	11430.3	3952.64	3947.84	-510.75	3980.74	352.63	0.00	0.00	0.00

Minimum Radius of Curvature

API: 30-025-52960 **Well: Burke State Com 150H** **Wellhead Location** **Lat : 32.254464**
Operator: Matador Resources **Area: Jal, NM** **Long : 103.388675**
Rig: **Type: U-Lateral** **Magnetic Declination: 6.11**
TD: 22,173' **Plane of Proposal: 359.44**

Measured Depth Ft	Drift Angle Deg	Azimuth Direction Deg	Course Length Ft	TVD Ft	Vertical Section Ft	COORDINATES		CLOSURE		Dog Leg Severity Deg/100'	Build / Drop Deg/100'	Left / Right Deg/100'
						N-S Ft	E-W Ft	Distance FT	Direction Deg			
15500	90.01	359.44	100	11430.3	4052.64	4047.84	-511.72	4080.05	352.79	0.00	0.00	0.00
15600	90.01	359.44	100	11430.2	4152.64	4147.83	-512.70	4179.40	352.95	0.00	0.00	0.00
15689	90.01	359.44	89	11430.2	4242.04	4237.23	-513.58	4268.24	353.09	0.00	0.00	0.00
15700	90.01	358.53	11	11430.2	4252.64	4247.82	-513.76	4278.78	353.10	8.58	0.00	-8.58
15800	90.01	349.85	100	11430.2	4352.13	4347.22	-523.88	4378.67	353.13	8.68	0.00	-8.68
15900	90.01	341.17	100	11430.2	4449.09	4443.94	-548.87	4477.71	352.96	8.68	0.00	-8.68
16000	90.01	332.50	100	11430.2	4541.32	4535.79	-588.17	4573.77	352.61	8.67	0.00	-8.67
16100	90.00	323.82	100	11430.2	4626.71	4620.66	-640.88	4664.90	352.10	8.68	-0.01	-8.68
16200	90.00	315.15	100	11430.2	4703.29	4696.61	-705.78	4749.35	351.45	8.67	0.00	-8.67
16300	90.00	306.47	100	11430.2	4769.32	4761.91	-781.40	4825.59	350.68	8.68	0.00	-8.68
16400	89.99	297.79	100	11430.2	4823.27	4815.04	-866.00	4892.30	349.80	8.68	-0.01	-8.68
16500	89.99	289.12	100	11430.2	4863.93	4854.81	-957.65	4948.36	348.84	8.67	0.00	-8.67
16600	89.99	280.44	100	11430.2	4890.36	4880.29	-1054.25	4992.86	347.81	8.68	0.00	-8.68
16700	89.99	271.77	100	11430.2	4901.96	4890.92	-1153.59	5025.12	346.73	8.67	0.00	-8.67
16726	89.99	269.51	26	11430.2	4902.50	4891.21	-1179.58	5031.43	346.44	8.69	0.00	-8.69
16800	89.99	263.08	74	11430.2	4898.44	4886.43	-1253.39	5044.62	345.61	8.69	0.00	-8.69
16900	89.99	254.40	100	11430.3	4879.90	4866.92	-1351.37	5051.05	344.48	8.68	0.00	-8.68
17000	89.99	245.71	100	11430.3	4846.74	4832.84	-1445.28	5044.32	343.35	8.69	0.00	-8.69
17100	90.00	237.03	100	11430.3	4799.73	4784.97	-1532.97	5024.54	342.24	8.68	0.01	-8.68
17200	90.00	228.34	100	11430.3	4739.94	4724.41	-1612.43	4991.99	341.16	8.69	0.00	-8.69
17300	90.00	219.65	100	11430.3	4668.75	4652.54	-1681.82	4947.19	340.13	8.69	0.00	-8.69
17400	90.00	210.97	100	11430.3	4587.80	4571.01	-1739.57	4890.83	339.16	8.68	0.00	-8.68
17500	90.01	202.28	100	11430.3	4498.93	4481.70	-1784.34	4823.85	338.29	8.69	0.01	-8.69
17600	90.01	193.60	100	11430.3	4404.19	4386.66	-1815.11	4747.36	337.52	8.68	0.00	-8.68
17700	90.01	184.91	100	11430.2	4305.75	4288.05	-1831.18	4662.68	336.88	8.69	0.00	-8.69
17763	90.01	179.45	63	11430.2	4242.94	4225.22	-1833.57	4605.92	336.54	8.68	0.00	-8.68
17764	90.00	179.45	1	11430.2	4242.24	4224.52	-1833.56	4605.27	336.54	1.43	-1.43	0.00
17800	90.00	179.45	36	11430.2	4205.84	4188.12	-1833.21	4571.77	336.36	0.00	0.00	0.00
17900	90.00	179.45	100	11430.2	4105.84	4088.13	-1832.25	4479.95	335.86	0.00	0.00	0.00
18000	90.00	179.45	100	11430.2	4005.84	3988.13	-1831.29	4388.49	335.34	0.00	0.00	0.00
18100	90.00	179.45	100	11430.2	3905.84	3888.14	-1830.33	4297.41	334.79	0.00	0.00	0.00
18200	90.00	179.45	100	11430.2	3805.84	3788.14	-1829.37	4206.74	334.22	0.00	0.00	0.00
18300	90.00	179.45	100	11430.2	3705.84	3688.15	-1828.41	4116.49	333.63	0.00	0.00	0.00
18400	90.00	179.45	100	11430.2	3605.84	3588.15	-1827.45	4026.71	333.01	0.00	0.00	0.00
18500	90.00	179.45	100	11430.2	3505.84	3488.16	-1826.49	3937.42	332.36	0.00	0.00	0.00
18600	90.00	179.45	100	11430.2	3405.84	3388.16	-1825.53	3848.66	331.68	0.00	0.00	0.00
18700	90.00	179.45	100	11430.2	3305.84	3288.17	-1824.57	3760.47	330.97	0.00	0.00	0.00
18800	90.00	179.45	100	11430.2	3205.84	3188.17	-1823.62	3672.87	330.23	0.00	0.00	0.00
18900	90.00	179.45	100	11430.2	3105.84	3088.17	-1822.66	3585.93	329.45	0.00	0.00	0.00
19000	90.00	179.45	100	11430.2	3005.84	2988.18	-1821.70	3499.68	328.63	0.00	0.00	0.00
19100	90.00	179.45	100	11430.2	2905.84	2888.18	-1820.74	3414.19	327.77	0.00	0.00	0.00
19200	90.00	179.45	100	11430.2	2805.84	2788.19	-1819.78	3329.50	326.87	0.00	0.00	0.00
19300	90.00	179.45	100	11430.2	2705.84	2688.19	-1818.82	3245.68	325.92	0.00	0.00	0.00
19400	90.00	179.45	100	11430.2	2605.84	2588.20	-1817.86	3162.81	324.92	0.00	0.00	0.00
19500	90.00	179.45	100	11430.2	2505.84	2488.20	-1816.90	3080.95	323.86	0.00	0.00	0.00
19600	90.00	179.45	100	11430.2	2405.84	2388.21	-1815.94	3000.19	322.75	0.00	0.00	0.00
19700	90.00	179.45	100	11430.2	2305.84	2288.21	-1814.98	2920.62	321.58	0.00	0.00	0.00
19800	90.00	179.45	100	11430.2	2205.84	2188.22	-1814.02	2842.35	320.34	0.00	0.00	0.00
19900	90.00	179.45	100	11430.2	2105.84	2088.22	-1813.06	2765.47	319.03	0.00	0.00	0.00
20000	90.00	179.45	100	11430.2	2005.84	1988.23	-1812.10	2690.12	317.65	0.00	0.00	0.00
20100	90.00	179.45	100	11430.2	1905.84	1888.23	-1811.14	2616.41	316.19	0.00	0.00	0.00
20200	90.00	179.45	100	11430.2	1805.84	1788.23	-1810.18	2544.51	314.65	0.00	0.00	0.00
20300	90.00	179.45	100	11430.2	1705.84	1688.24	-1809.22	2474.55	313.02	0.00	0.00	0.00
20400	90.00	179.45	100	11430.2	1605.84	1588.24	-1808.26	2406.72	311.29	0.00	0.00	0.00
20500	90.00	179.45	100	11430.2	1505.84	1488.25	-1807.30	2341.20	309.47	0.00	0.00	0.00
20600	90.00	179.45	100	11430.2	1405.84	1388.25	-1806.34	2278.18	307.54	0.00	0.00	0.00
20700	90.00	179.45	100	11430.2	1305.84	1288.26	-1805.38	2217.88	305.51	0.00	0.00	0.00
20800	90.00	179.45	100	11430.2	1205.84	1188.26	-1804.42	2160.53	303.37	0.00	0.00	0.00

Minimum Radius of Curvature

API: 30-025-52960 **Well:** Burke State Com 150H **Wellhead Location** **Lat :** 32.254464
Operator: Matador Resources **Area:** Jal, NM **Long :** 103.388675
Rig: **Type:** U-Lateral **Magnetic Declination:** 6.11
TD: 22,173' **Plane of Proposal:** 359.44

Measured Depth Ft	Drift Angle Deg	Azimuth Direction Deg	Course Length Ft	TVD Ft	Vertical Section Ft	COORDINATES		CLOSURE		Dog Leg Severity Deg/100'	Build / Drop Deg/100'	Left / Right Deg/100'
						N-S Ft	E-W Ft	Distance FT	Direction Deg			
20900	90.00	179.45	100	11430.2	1105.84	1088.27	-1803.46	2106.37	301.11	0.00	0.00	0.00
21000	90.00	179.45	100	11430.2	1005.84	988.27	-1802.50	2055.64	298.74	0.00	0.00	0.00
21100	90.00	179.45	100	11430.2	905.84	888.28	-1801.54	2008.62	296.25	0.00	0.00	0.00
21200	90.00	179.45	100	11430.2	805.84	788.28	-1800.58	1965.57	293.64	0.00	0.00	0.00
21300	90.00	179.45	100	11430.2	705.84	688.28	-1799.62	1926.75	290.93	0.00	0.00	0.00
21400	90.00	179.45	100	11430.2	605.84	588.29	-1798.66	1892.42	288.11	0.00	0.00	0.00
21500	90.00	179.45	100	11430.2	505.84	488.29	-1797.70	1862.83	285.20	0.00	0.00	0.00
21600	90.00	179.45	100	11430.2	405.84	388.30	-1796.74	1838.22	282.19	0.00	0.00	0.00
21700	90.00	179.45	100	11430.2	305.84	288.30	-1795.78	1818.77	279.12	0.00	0.00	0.00
21800	90.00	179.45	100	11430.2	205.84	188.31	-1794.82	1804.67	275.99	0.00	0.00	0.00
21900	90.00	179.45	100	11430.2	105.84	88.31	-1793.86	1796.03	272.82	0.00	0.00	0.00
22000	90.00	179.45	100	11430.2	5.84	-11.68	-1792.90	1792.94	269.63	0.00	0.00	0.00
22100	90.00	179.45	100	11430.2	-94.16	-111.68	-1791.94	1795.41	266.43	0.00	0.00	0.00
22173	90.00	179.45	73	11430.2	-167.06	-184.57	-1791.24	1800.72	264.12	0.00	0.00	0.00