



SM ENERGY COMPANY

PARKWAY 35 FEDERAL COM WELL #3H
SECTION 35, T-19-S, R-29-E
EDDY COUNTY, NEW MEXICO

RKB. = 3343 (18' RKB + 3325' GL Elevation)
OBJ. = S 88.27 E

Survey Type	Depth MD	Angle	Azimuth	Direction	CL	Depth TVD	Depth SUBSEA	(+)North (-)South	(+)East (-)West	Vertical Section	Dogleg /100'
GMS TI-IN	0.00	0.00	0.94°	N 0.94 E	----	0.00	-3343.00	0.00	0.00	0.00	TIE-IN
GMS 1	100.00	0.28	0.94°	N 0.94 E	100	100.00	-3243.00	0.24	0.00	0.00	0.28
GMS 2	200.00	0.82	101.88°	S 78.12 E	100	199.99	-3143.01	0.77	0.66	0.64	0.92
GMS 3	300.00	1.01	109.63°	S 70.37 E	100	299.98	-3043.02	0.34	2.20	2.19	0.23
GMS 4	400.00	1.03	125.61°	S 54.39 E	100	399.97	-2943.03	-0.49	3.77	3.78	0.28
GMS 5	500.00	1.07	121.96°	S 58.04 E	100	499.95	-2843.05	-1.51	5.29	5.33	0.08
GMS 6	600.00	1.00	115.78°	S 64.22 E	100	599.93	-2743.07	-2.38	6.87	6.94	0.13
GMS 7	700.00	1.23	80.77°	N 80.77 E	100	699.91	-2643.09	-2.65	8.77	8.84	0.71
GMS 8	800.00	1.48	73.74°	N 73.74 E	100	799.89	-2543.11	-2.13	11.07	11.13	0.30
GMS 9	900.00	1.52	72.31°	N 72.31 E	100	899.85	-2443.15	-1.37	13.58	13.61	0.05
GMS 10	1000.00	1.83	86.51°	N 86.51 E	100	999.81	-2343.19	-0.83	16.44	16.46	0.52
GMS 11	1100.00	1.60	90.71°	N 90.71 E	100	1099.76	-2243.24	-0.76	19.43	19.45	0.26
GMS 12	1200.00	0.78	94.89°	N 94.89 E	100	1199.74	-2143.26	-0.86	21.51	21.52	0.82
GMS 13	1300.00	0.35	60.13°	N 60.13 E	100	1299.74	-2043.26	-0.65	22.46	22.47	0.53
GMS 14	1400.00	0.59	351.36°	N 8.64 W	100	1399.73	-1943.27	0.04	22.79	22.78	0.57
GMS 15	1500.00	0.68	344.41°	N 15.59 W	100	1499.73	-1843.27	1.13	22.56	22.51	0.12
GMS 16	1600.00	0.75	323.72°	N 36.28 W	100	1599.72	-1743.28	2.24	22.02	21.94	0.27
GMS 17	1700.00	0.83	330.36°	N 29.64 W	100	1699.71	-1643.29	3.40	21.27	21.15	0.12
GMS 18	1800.00	0.45	329.55°	N 30.45 W	100	1799.70	-1543.30	4.37	20.71	20.57	0.38
GMS 19	1900.00	0.32	260.64°	S 80.64 W	100	1899.70	-1443.30	4.63	20.13	19.99	0.45
GMS 20	2000.00	0.27	273.81°	N 86.19 W	100	1999.70	-1343.30	4.61	19.62	19.47	0.08
GMS 21	2100.00	0.96	332.03°	N 27.97 W	100	2099.69	-1243.31	5.17	18.76	18.59	0.85
GMS 22	2200.00	1.29	334.29°	N 25.71 W	100	2199.67	-1143.33	6.92	17.87	17.66	0.33
GMS 23	2300.00	1.26	348.28°	N 11.72 W	100	2299.65	-1043.35	9.02	17.16	16.88	0.31
GMS 24	2400.00	1.90	344.11°	N 15.89 W	100	2399.61	-943.39	11.70	16.50	16.14	0.65
GMS 25	2500.00	2.31	354.63°	N 5.37 W	100	2499.54	-843.46	15.30	15.83	15.36	0.56
GMS 26	2600.00	2.14	359.37°	N 0.63 W	100	2599.47	-743.53	19.18	15.62	15.04	0.25
GMS 27	2700.00	2.13	358.02°	N 1.98 W	100	2699.40	-643.60	22.90	15.54	14.84	0.05

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EDDY COUNTY, NEW MEXICO

RKB. = 3343 (18' RKB + 3325' GL Elevation)
 OBJ. = S 88.27 E

Survey Type		Depth MD	Angle	Azimuth	Direction			CL	Depth TVD	Depth SUBSEA	(+)North (-)South	(+)East (-)West	Vertical Section	Dogleg /100'
GMS	28	2800.00	2.11	360.00°	N	0.00	W	100	2799.33	-543.67	26.60	15.47	14.66	0.08
GMS	29	2900.00	1.79	347.69°	N	12.31	W	100	2899.27	-443.73	29.98	15.11	14.20	0.53
GMS	30	3000.00	1.62	344.21°	N	15.79	W	100	2999.23	-343.77	32.87	14.39	13.39	0.20
GMS	31	3100.00	1.52	325.35°	N	34.65	W	100	3099.19	-243.81	35.33	13.23	12.15	0.52
GMS	32	3200.00	1.41	305.85°	N	54.15	W	100	3199.16	-143.84	37.15	11.45	10.32	0.51
GMS	33	3300.00	1.37	305.53°	N	54.47	W	100	3299.13	-43.87	38.57	9.48	8.31	0.04
GMS	34	3400.00	1.09	294.84°	N	65.16	W	100	3399.10	56.10	39.64	7.62	6.42	0.36
GMS	35	3500.00	0.80	287.06°	N	72.94	W	100	3499.09	156.09	40.23	6.08	4.87	0.32
GMS	36	3600.00	0.63	268.39°	S	88.39	W	100	3599.08	256.08	40.40	4.85	3.63	0.29
GMS	37	3700.00	0.33	257.53°	S	77.53	W	100	3699.08	356.08	40.30	4.02	2.80	0.31
GMS	38	3800.00	0.13	237.98°	S	57.98	W	100	3799.08	456.08	40.15	3.65	2.44	0.21
GMS	39	3900.00	0.37	224.02°	S	44.02	W	100	3899.08	556.08	39.87	3.31	2.11	0.25
GMS	40	4000.00	0.32	254.13°	S	74.13	W	100	3999.08	656.08	39.57	2.80	1.61	0.19
GMS	41	4100.00	0.31	252.29°	S	72.29	W	100	4099.07	756.07	39.41	2.28	1.09	0.01
GMS	42	4200.00	0.25	155.18°	S	24.82	E	100	4199.07	856.07	39.01	2.10	0.92	0.42
GMS	43	4300.00	0.63	123.54°	S	56.46	E	100	4299.07	956.07	38.44	2.60	1.44	0.44
GMS	44	4400.00	1.02	122.06°	S	57.94	E	100	4399.06	1056.06	37.66	3.81	2.67	0.39
GMS	45	4500.00	1.42	128.44°	S	51.56	E	100	4499.04	1156.04	36.43	5.55	4.44	0.42
GMS	46	4600.00	1.70	131.74°	S	48.26	E	100	4599.00	1256.00	34.68	7.63	6.58	0.29
GMS	47	4700.00	1.73	137.40°	S	42.60	E	100	4698.95	1355.95	32.58	9.76	8.77	0.17
GMS	48	4800.00	1.44	138.87°	S	41.13	E	100	4798.92	1455.92	30.52	11.60	10.68	0.29
GMS	49	4900.00	0.91	128.48°	S	51.52	E	100	4898.89	1555.89	29.10	13.09	12.20	0.57
GMS	50	5000.00	0.61	125.11°	S	54.89	E	100	4998.89	1655.89	28.31	14.15	13.29	0.30
GMS	51	5100.00	0.33	125.13°	S	54.87	E	100	5098.88	1755.88	27.84	14.82	13.97	0.28
GMS	52	5200.00	0.29	26.91°	N	26.91	E	100	5198.88	1855.88	27.95	15.28	14.43	0.47
GMS	53	5300.00	0.52	353.84°	N	6.16	W	100	5298.88	1955.88	28.64	15.41	14.54	0.32
GMS	54	5400.00	0.76	338.89°	N	21.11	W	100	5398.87	2055.87	29.72	15.14	14.24	0.29
GMS	55	5500.00	0.63	336.16°	N	23.84	W	100	5498.86	2155.86	30.84	14.68	13.74	0.13



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 OBJ. = S 88.27 E

Survey Type		Depth MD	Angle	Azimuth	Direction			CL	Depth TVD	Depth SUBSEA	(+)North (-)South	(+)East (-)West	Vertical Section	Dogleg /100'
GMS	56	5600.00	0.91	323.66°	N	36.34	W	100	5598.86	2255.86	32.00	14.01	13.04	0.32
GMS	57	5700.00	0.45	302.28°	N	57.72	W	100	5698.85	2355.85	32.80	13.15	12.15	0.52
GMS	58	5800.00	0.91	309.22°	N	50.78	W	100	5798.84	2455.84	33.50	12.18	11.17	0.47
GMS	59	5900.00	1.47	307.44°	N	52.56	W	100	5898.82	2555.82	34.79	10.55	9.50	0.56
GMS	60	6000.00	1.54	302.80°	N	57.20	W	100	5998.78	2655.78	36.30	8.41	7.31	0.14
GMS	61	6100.00	1.56	296.81°	N	63.19	W	100	6098.75	2755.75	37.64	6.06	4.92	0.16
GMS	62	6200.00	1.49	292.37°	N	67.63	W	100	6198.71	2855.71	38.75	3.64	2.47	0.14
GMS	63	6300.00	1.06	308.37°	N	51.63	W	100	6298.69	2955.69	39.87	1.73	0.52	0.55
GMS	64	6400.00	1.25	329.52°	N	30.48	W	100	6398.67	3055.67	41.38	0.41	-0.84	0.46
GMS	65	6500.00	1.20	335.96°	N	24.04	W	100	6498.64	3155.64	43.28	-0.57	-1.87	0.15
GMS	66	6600.00	1.28	336.71°	N	23.29	W	100	6598.62	3255.62	45.26	-1.44	-2.80	0.08
GMS	67	6700.00	1.37	350.05°	N	9.95	W	100	6698.59	3355.59	47.47	-2.10	-3.53	0.32
GMS	68	6800.00	0.80	347.90°	N	12.10	W	100	6798.58	3455.58	49.33	-2.46	-3.95	0.57
GMS	69	6900.00	0.92	335.91°	N	24.09	W	100	6898.56	3555.56	50.75	-2.92	-4.45	0.22
MWD	70	6980.00	1.60	287.20°	N	72.80	W	80	6978.54	3635.54	51.89	-4.20	-5.77	1.51
MWD	71	7075.00	1.60	264.20°	S	84.20	W	95	7073.51	3730.51	52.15	-6.82	-8.39	0.67
MWD	72	7169.00	1.40	274.00°	N	86.00	W	94	7167.47	3824.47	52.11	-9.28	-10.85	0.35
MWD	73	7259.00	1.40	280.70°	N	79.30	W	90	7257.45	3914.45	52.39	-11.46	-13.04	0.18
MWD	74	7354.00	1.10	289.00°	N	71.00	W	95	7352.43	4009.43	52.92	-13.46	-15.05	0.37
MWD	75	7448.00	1.10	343.80°	N	16.20	W	94	7446.41	4103.41	54.18	-14.66	-16.29	1.08
MWD	76	7544.00	0.90	16.50°	N	16.50	E	96	7542.39	4199.39	55.83	-14.65	-16.33	0.62
MWD	77	7575.00	2.30	52.40°	N	52.40	E	31	7573.38	4230.38	56.53	-14.17	-15.87	5.35
MWD	78	7607.00	4.90	78.60°	N	78.60	E	32	7605.31	4262.31	57.36	-12.36	-14.09	9.41
MWD	79	7639.00	6.70	87.70°	N	87.70	E	32	7637.15	4294.15	57.75	-9.15	-10.89	6.30
MWD	80	7671.00	9.90	89.10°	N	89.10	E	32	7668.81	4325.81	57.87	-4.54	-6.28	10.02
MWD	81	7703.00	13.00	92.10°	S	87.90	E	32	7700.17	4357.17	57.81	1.81	0.07	9.86
MWD	82	7734.00	16.20	95.80°	S	84.20	E	31	7730.16	4387.16	57.27	9.61	7.87	10.75
MWD	83	7766.00	19.40	97.20°	S	82.80	E	32	7760.63	4417.63	56.16	19.32	17.62	10.09



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RKB. = 3343 (18' RKB + 3325' GL Elevation)
 OBJ. = S 88.27 E

Survey Type	Depth MD	Angle	Azimuth	Direction	CL	Depth TVD	Depth SUBSEA	(+)North (-)South	(+)East (-)West	Vertical Section	Dogleg /100'
MWD	84	7797.00	22.70	97.40°	S 82.60 E 31	7789.56	4446.56	54.75	30.37	28.70	10.65
MWD	85	7827.00	26.20	96.70°	S 83.30 E 30	7816.86	4473.86	53.22	42.69	41.06	11.71
MWD	86	7859.00	29.70	95.40°	S 84.60 E 32	7845.12	4502.12	51.64	57.60	56.02	11.10
MWD	87	7891.00	32.60	94.90°	S 85.10 E 32	7872.51	4529.51	50.16	74.09	72.54	9.10
MWD	88	7923.00	35.00	94.00°	S 86.00 E 32	7899.10	4556.10	48.78	91.83	90.32	7.66
MWD	89	7955.00	37.50	93.70°	S 86.30 E 32	7924.90	4581.90	47.51	110.71	109.22	7.83
MWD	90	7987.00	40.50	92.80°	S 87.20 E 32	7949.77	4606.77	46.37	130.81	129.35	9.54
MWD	91	8019.00	43.80	92.10°	S 87.90 E 32	7973.49	4630.49	45.45	152.26	150.82	10.42
MWD	92	8050.00	46.80	91.60°	S 88.40 E 31	7995.29	4652.29	44.74	174.29	172.86	9.75
MWD	93	8082.00	50.30	91.90°	S 88.10 E 32	8016.47	4673.47	44.00	198.26	196.84	10.96
MWD	94	8113.00	53.10	92.80°	S 87.20 E 31	8035.68	4692.68	43.01	222.56	221.16	9.32
MWD	95	8145.00	56.50	94.20°	S 85.80 E 32	8054.13	4711.13	41.41	248.66	247.29	11.21
MWD	96	8176.00	59.60	95.60°	S 84.40 E 31	8070.53	4727.53	39.16	274.86	273.55	10.71
MWD	97	8206.00	62.80	95.30°	S 84.70 E 30	8084.98	4741.98	36.67	301.03	299.78	10.70
MWD	98	8238.00	66.30	94.70°	S 85.30 E 32	8098.73	4755.73	34.15	329.81	328.63	11.07
MWD	99	8269.00	69.30	94.70°	S 85.30 E 31	8110.44	4767.44	31.80	358.41	357.29	9.68
MWD	100	8301.00	71.80	94.60°	S 85.40 E 32	8121.09	4778.09	29.35	388.48	387.42	7.82
MWD	101	8333.00	74.80	94.90°	S 85.10 E 32	8130.29	4787.29	26.81	419.02	418.02	9.42
MWD	102	8364.00	77.80	94.90°	S 85.10 E 31	8137.63	4794.63	24.24	449.03	448.09	9.68
MWD	103	8396.00	81.10	94.70°	S 85.30 E 32	8143.49	4800.49	21.61	480.37	479.50	10.33
MWD	104	8427.00	84.80	94.70°	S 85.30 E 31	8147.29	4804.29	19.09	511.03	510.22	11.94
MWD	105	8459.00	88.90	94.40°	S 85.60 E 32	8149.05	4806.05	16.55	542.87	542.13	12.85
MWD	106	8491.00	89.70	94.20°	S 85.80 E 32	8149.44	4806.44	14.16	574.78	574.09	2.58
MWD	107	8586.00	91.10	93.50°	S 86.50 E 95	8148.78	4805.78	7.78	669.56	669.02	1.65
MWD	108	8682.00	91.30	93.10°	S 86.90 E 96	8146.77	4803.77	2.25	765.38	764.96	0.47
MWD	109	8777.00	89.40	92.30°	S 87.70 E 95	8146.19	4803.19	-2.22	860.27	859.94	2.17
MWD	110	8872.00	87.40	92.10°	S 87.90 E 95	8148.84	4805.84	-5.87	955.16	954.90	2.12
MWD	111	8966.00	87.80	92.60°	S 87.40 E 94	8152.78	4809.78	-9.72	1048.99	1048.81	0.68

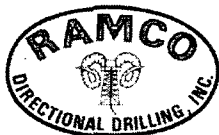


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EDDY COUNTY, NEW MEXICO

RKB. = 3343 (18' RKB + 3325' GL Elevation)
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Survey Type	Depth MD	Angle	Azimuth	Direction	CL	Depth TVD	Depth SUBSEA	(+)North (-)South	(+)East (-)West	Vertical Section	Dogleg /100'
MWD	112	9060.00	88.70	93.10°	S 86.90 E 94	8155.65	4812.65	-14.39	1142.83	1142.75	1.10
MWD	113	9154.00	88.70	93.80°	S 86.20 E 94	8157.78	4814.78	-20.05	1236.64	1236.68	0.74
MWD	114	9248.00	88.90	93.30°	S 86.70 E 94	8159.75	4816.75	-25.86	1330.44	1330.61	0.57
MWD	115	9344.00	88.00	92.80°	S 87.20 E 96	8162.34	4819.34	-30.97	1426.26	1426.55	1.07
MWD	116	9437.00	88.00	93.10°	S 86.90 E 93	8165.59	4822.59	-35.75	1519.08	1519.47	0.32
MWD	117	9532.00	89.20	93.50°	S 86.50 E 95	8167.91	4824.91	-41.22	1613.90	1614.40	1.33
MWD	118	9628.00	88.50	92.80°	S 87.20 E 96	8169.84	4826.84	-46.49	1709.73	1710.35	1.03
MWD	119	9722.00	86.90	91.90°	S 88.10 E 94	8173.61	4830.61	-50.35	1803.57	1804.27	1.95
MWD	120	9817.00	87.30	91.60°	S 88.40 E 95	8178.42	4835.42	-53.24	1898.41	1899.15	0.53
MWD	121	9913.00	88.00	91.00°	S 89.00 E 96	8182.35	4839.35	-55.42	1994.30	1995.06	0.96
MWD	122	10008.00	88.90	90.90°	S 89.10 E 95	8184.92	4841.92	-56.99	2089.25	2090.02	0.95
MWD	123	10103.00	87.80	90.50°	S 89.50 E 95	8187.66	4844.66	-58.15	2184.20	2184.96	1.23
MWD	124	10198.00	88.00	89.60°	N 89.60 E 95	8191.14	4848.14	-58.24	2279.14	2279.86	0.97
MWD	125	10293.00	89.00	89.60°	N 89.60 E 95	8193.62	4850.62	-57.57	2374.10	2374.76	1.05
MWD	126	10389.00	88.50	90.30°	S 89.70 E 96	8195.72	4852.72	-57.49	2470.08	2470.69	0.90
MWD	127	10485.00	87.40	91.90°	S 88.10 E 96	8199.15	4856.15	-59.33	2565.99	2566.61	2.02
MWD	128	10580.00	87.80	91.90°	S 88.10 E 95	8203.13	4860.13	-62.48	2660.86	2661.53	0.42
MWD	129	10675.00	88.90	91.70°	S 88.30 E 95	8205.87	4862.87	-65.46	2755.77	2756.49	1.18
MWD	130	10771.00	87.60	92.10°	S 87.90 E 96	8208.80	4865.80	-68.64	2851.67	2852.44	1.42
MWD	131	10866.00	87.80	92.80°	S 87.20 E 95	8212.61	4869.61	-72.70	2946.51	2947.36	0.77
MWD	132	10962.00	89.40	93.00°	S 87.00 E 96	8214.96	4871.96	-77.56	3042.35	3043.31	1.68
MWD	133	11057.00	89.60	93.70°	S 86.30 E 95	8215.79	4872.79	-83.11	3137.18	3138.26	0.77
MWD	134	11152.00	87.60	93.70°	S 86.30 E 95	8218.11	4875.11	-89.24	3231.95	3233.17	2.11
MWD	135	11248.00	87.80	93.70°	S 86.30 E 96	8221.96	4878.96	-95.43	3327.68	3329.04	0.21
MWD	136	11342.00	89.40	93.30°	S 86.70 E 94	8224.26	4881.26	-101.16	3421.47	3422.96	1.75
MWD	137	11437.00	88.70	93.50°	S 86.50 E 95	8225.83	4882.83	-106.80	3516.29	3517.91	0.77
MWD	138	11533.00	89.00	92.60°	S 87.40 E 96	8227.76	4884.76	-111.90	3612.13	3613.86	0.99
MWD	139	11628.00	88.50	93.00°	S 87.00 E 95	8229.83	4886.83	-116.54	3707.00	3708.82	0.67



SM ENERGY COMPANY

PARKWAY 35 FEDERAL COM WELL #3H
SECTION 35, T-19-S, R-29-E
EDDY COUNTY, NEW MEXICO

RKB. = 3343 (18' RKB + 3325' GL Elevation)
OBJ. = S 88.27 E

Survey Type		Depth MD	Angle	Azimuth	Direction		CL	Depth TVD	Depth SUBSEA	(+)North (-)South	(+)East (-)West	Vertical Section	Dogleg /100'	
MWD	140	11723.00	88.50	91.90°	S	88.10	E	95	8232.32	4889.32	-120.60	3801.88	3803.78	1.16
MWD	141	11816.00	89.60	91.60°	S	88.40	E	93	8233.86	4890.86	-123.44	3894.82	3896.77	1.23
MWD	142	11911.00	89.70	91.60°	S	88.40	E	95	8234.44	4891.44	-126.09	3989.78	3991.77	0.11
MWD	143	12005.00	89.70	91.00°	S	89.00	E	94	8234.93	4891.93	-128.23	4083.75	4085.76	0.64
MWD	144	12099.00	89.00	90.70°	S	89.30	E	94	8236.00	4893.00	-129.62	4177.74	4179.74	0.81
MWD	145	12191.00	89.00	91.00°	S	89.00	E	92	8237.60	4894.60	-130.99	4269.71	4271.72	0.33
MWD	146	12285.00	89.70	90.90°	S	89.10	E	94	8238.67	4895.67	-132.54	4363.69	4365.70	0.75
MWD	147	12379.00	90.80	90.30°	S	89.70	E	94	8238.26	4895.26	-133.53	4457.68	4459.68	1.33
MWD	148	12440.00	92.20	89.80°	N	89.80	E	61	8236.66	4893.66	-133.58	4518.66	4520.63	2.44
PROJ	149	12530.00	92.20	89.80°	N	89.80	E	90	8233.21	4890.21	-133.27	4608.59	4610.52	0.00