

JUN 13 2016

DRILTECH MWD SURVEY REPORT



Company:

EOG Resources, Inc.

Job Number:

2015-051-EODT-NM

Well:

Lomas Rojas 26 State Com #501H

Vertical Section Plane:

5.56

Location:

Lea County, New Mexico

WELL API #:

30-025-42156

Rig:

Precision 612

Tie Into:

Surface

Calculation Method

Minimum Curvature

RECEIVED

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')
								N/S (ft)	E/W (ft)				
Tie In	Surf	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	MWD	152.00	0.40	97.20	152	152.00	-0.02	0.07	S	0.53	E	0.26	0.26
2	MWD	214.00	0.70	82.20	62	214.00	0.07	0.04	S	1.12	E	0.53	0.48
3	MWD	400.00	1.20	70.10	186	399.97	1.17	0.77	N	4.07	E	0.29	0.27
4	MWD	524.00	1.90	68.30	124	523.92	2.67	1.98	N	7.20	E	0.57	0.56
5	MWD	707.00	1.60	61.30	183	706.84	5.49	4.33	N	12.26	E	0.20	-0.16
6	MWD	798.00	1.20	57.40	91	797.81	6.80	5.45	N	14.18	E	0.45	-0.44
7	MWD	888.00	0.90	76.10	90	887.80	7.62	6.13	N	15.66	E	0.50	-0.33
8	MWD	979.00	1.40	80.50	91	978.78	8.14	6.48	N	17.45	E	0.56	0.55
9	MWD	1042.00	1.20	51.80	63	1041.76	8.80	7.02	N	18.73	E	1.07	-0.32
10	MWD	1171.00	1.10	16.30	129	1170.74	10.95	9.04	N	20.14	E	0.55	-0.08
11	MWD	1264.00	1.10	26.30	93	1263.72	12.66	10.70	N	20.78	E	0.21	0.00
12	MWD	1356.00	1.10	19.50	92	1355.70	14.34	12.32	N	21.47	E	0.14	0.00
13	MWD	1448.00	1.20	32.50	92	1447.69	16.06	13.97	N	22.28	E	0.30	0.11
14	MWD	1541.00	1.20	39.30	93	1540.66	17.74	15.54	N	23.42	E	0.15	0.00
15	MWD	1633.00	1.20	39.30	92	1632.64	19.34	17.03	N	24.64	E	0.00	0.00
16	MWD	1725.00	1.20	31.20	92	1724.62	21.01	18.60	N	25.75	E	0.18	0.00
17	MWD	1818.00	1.40	22.10	93	1817.60	22.98	20.49	N	26.68	E	0.31	0.22
18	MWD	2002.00	1.20	34.10	184	2001.55	26.82	24.17	N	28.61	E	0.18	-0.11
19	MWD	2095.00	1.20	103.00	93	2094.54	27.55	24.75	N	30.10	E	1.46	0.00
20	MWD	2187.00	2.10	122.10	92	2186.50	26.68	23.64	N	32.47	E	1.13	0.98
21	MWD	2372.00	2.60	119.80	185	2371.34	23.44	19.75	N	38.98	E	0.27	0.27
22	MWD	2464.00	3.00	114.90	92	2463.23	21.78	17.70	N	42.98	E	0.51	0.43
23	MWD	2557.00	3.30	105.30	93	2556.09	20.53	15.97	N	47.77	E	0.65	0.32
24	MWD	2649.00	3.90	103.00	92	2647.91	19.67	14.57	N	53.37	E	0.67	0.65
25	MWD	2741.00	4.00	108.40	92	2739.69	18.55	12.85	N	59.46	E	0.42	0.11
26	MWD	2926.00	4.40	135.10	185	2924.21	12.60	5.79	N	70.60	E	1.07	0.22
27	MWD	3018.00	4.60	127.40	92	3015.93	8.41	1.05	N	76.02	E	0.69	0.22
28	MWD	3111.00	4.40	127.60	93	3108.64	4.55	3.39	S	81.81	E	0.22	-0.22
29	MWD	3203.00	4.60	123.90	92	3200.36	0.93	7.60	S	87.67	E	0.38	0.22
30	MWD	3295.00	4.60	118.60	92	3292.06	-2.27	11.43	S	93.97	E	0.46	0.00
31	MWD	3387.00	3.70	121.60	92	3383.82	-5.02	14.75	S	99.73	E	1.01	-0.98
32	MWD	3480.00	2.60	127.10	93	3476.68	-7.44	17.59	S	103.97	E	1.23	-1.18
33	MWD	3572.00	1.80	137.20	92	3568.61	-9.49	19.91	S	106.62	E	0.96	-0.87
34	MWD	3664.00	1.80	146.90	92	3660.57	-11.58	22.18	S	108.39	E	0.33	0.00



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5.56

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Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')
35	MWD	3757.00	1.80	158.70	93	3753.52	-14.02	N/S (ft)	E/W (ft)	112.48	102.72	0.40	0.00
36	MWD	3849.00	1.80	161.50	92	3845.48	-16.63	24.77 S	109.72 E	114.06	103.94	0.10	0.00
37	MWD	4034.00	2.30	95.60	185	4030.38	-19.29	27.48 S	110.70 E	119.31	104.86	1.23	0.27
38	MWD	4126.00	2.10	91.20	92	4122.31	-19.16	30.60 S	115.32 E	122.77	104.54	0.28	-0.22
39	MWD	4219.00	2.30	87.00	93	4215.24	-18.75	30.82 S	118.84 E	126.21	104.10	0.28	0.22
40	MWD	4311.00	1.80	98.40	92	4307.18	-18.55	30.76 S	122.41 E	129.42	103.80	0.70	-0.54
41	MWD	4403.00	2.30	100.50	92	4399.13	-18.78	30.87 S	125.68 E	132.70	103.70	0.55	0.54
42	MWD	4496.00	2.60	107.00	93	4492.04	-19.36	31.42 S	128.92 E	136.67	103.70	0.44	0.32
43	MWD	4588.00	2.30	105.80	92	4583.96	-20.10	32.37 S	132.78 E	140.60	103.78	0.33	-0.33
44	MWD	4680.00	3.00	111.60	92	4675.86	-21.09	33.49 S	136.55 E	144.83	103.93	0.81	0.76
45	MWD	4773.00	3.70	117.20	93	4768.70	-22.87	34.88 S	140.56 E	150.16	104.32	0.83	0.75
46	MWD	4865.00	4.40	118.30	92	4860.47	-25.33	37.14 S	145.50 E	156.49	104.88	0.77	0.76
47	MWD	4932.00	4.60	116.70	67	4927.26	-27.29	40.17 S	151.24 E	161.62	105.28	0.35	0.30
48	MWD	5032.00	3.90	117.20	100	5026.99	-29.99	42.60 S	155.91 E	168.89	105.79	0.70	-0.70
49	MWD	5124.00	4.90	120.20	92	5118.71	-32.79	45.96 S	162.51 E	175.77	106.31	1.12	1.09
50	MWD	5216.00	6.20	120.90	92	5210.28	-36.55	49.36 S	168.69 E	184.40	106.99	1.41	1.41
51	MWD	5309.00	8.10	124.80	93	5302.55	-41.90	53.89 S	176.35 E	195.54	107.93	2.11	2.04
52	MWD	5401.00	8.80	125.50	92	5393.55	-48.58	60.21 S	186.04 E	208.49	109.03	0.77	0.76
53	MWD	5493.00	8.60	124.60	92	5484.50	-55.43	67.99 S	197.09 E	221.90	110.03	0.26	-0.22
54	MWD	5585.00	8.80	124.10	92	5575.44	-62.13	75.99 S	208.48 E	235.41	110.86	0.23	0.22
55	MWD	5678.00	8.40	126.50	93	5667.39	-69.02	83.84 S	219.97 E	248.90	111.66	0.58	-0.43
56	MWD	5770.00	8.40	126.20	92	5758.40	-75.90	91.87 S	231.32 E	261.92	112.41	0.05	0.00
57	MWD	5863.00	8.80	124.80	93	5850.36	-82.84	99.83 S	242.15 E	275.48	113.06	0.49	0.43
58	MWD	5955.00	8.40	128.10	92	5941.32	-89.89	107.91 S	253.47 E	288.88	113.69	0.69	-0.43
59	MWD	6047.00	8.40	130.20	92	6032.34	-97.33	116.07 S	264.54 E	301.85	114.37	0.33	0.00
60	MWD	6139.00	8.40	127.90	92	6123.35	-104.74	124.55 S	274.96 E	314.87	114.99	0.37	0.00
61	MWD	6232.00	8.30	127.20	93	6215.37	-111.90	133.02 S	285.39 E	328.07	115.50	0.15	-0.11
62	MWD	6324.00	8.30	126.00	92	6306.40	-118.74	141.25 S	296.10 E	341.11	115.93	0.19	0.00
63	MWD	6416.00	8.30	124.40	92	6397.44	-125.31	149.17 S	306.76 E	354.22	116.28	0.25	0.00
64	MWD	6509.00	8.40	123.90	93	6489.45	-131.77	156.82 S	317.61 E	367.60	116.57	0.13	0.11
65	MWD	6601.00	8.80	123.90	92	6580.42	-138.30	164.40 S	328.79 E	381.25	116.83	0.43	0.43
66	MWD	6693.00	8.30	125.50	92	6671.40	-144.96	172.08 S	340.21 E	394.80	117.10	0.60	-0.54
67	MWD	6786.00	8.30	123.70	93	6763.42	-151.47	179.86 S	351.46 E	408.12	117.35	0.28	0.00
68	MWD	6878.00	7.60	121.40	92	6854.54	-157.26	187.48 S	362.51 E	420.79	117.51	0.84	-0.76
69	MWD	6970.00	7.60	120.90	92	6945.73	-162.51	194.33 S	373.22 E	432.93	117.61	0.07	0.00
70	MWD	7063.00	6.50	130.00	93	7038.03	-168.12	200.63 S	383.64 E	444.21	117.80	1.68	-1.18
71	MWD	7155.00	6.50	135.80	92	7129.44	-174.43	207.17 S	392.95 E	454.27	118.14	0.71	0.00
72	MWD	7247.00	6.30	135.00	92	7220.86	-181.00	214.25 S	400.57 E	464.07	118.52	0.24	-0.22



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Rig: Precision 612 Tie Into: Surface

Calculation Method Minimum Curvature

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')
73	MWD	7340.00	6.70	134.10	93	7313.26	-187.62	N/S (ft)	E/W (ft)				
74	MWD	7432.00	5.50	141.60	92	7404.74	-194.14	228.94 S	415.27 E	474.20	118.87	0.44	0.43
75	MWD	7524.00	4.90	139.20	92	7496.36	-200.03	236.13 S	421.86 E	483.45	119.24	1.56	-1.30
76	MWD	7617.00	4.00	146.90	93	7589.08	-205.30	242.56 S	427.17 E	491.23	119.59	0.69	-0.65
77	MWD	7709.00	3.50	151.30	92	7680.89	-210.13	248.28 S	431.54 E	497.86	119.91	1.16	-0.97
78	MWD	7801.00	3.50	148.50	92	7772.72	-214.69	253.43 S	434.64 E	503.13	120.25	0.63	-0.54
79	MWD	7894.00	2.80	153.40	93	7865.57	-218.88	258.29 S	437.45 E	508.01	120.56	0.19	0.00
80	MWD	7986.00	2.60	155.20	92	7957.47	-222.58	262.74 S	439.95 E	512.44	120.85	0.81	-0.75
81	MWD	8078.00	1.40	148.10	92	8049.41	-225.27	266.64 S	441.84 E	516.06	121.11	0.24	-0.22
82	MWD	8263.00	0.90	142.70	185	8234.38	-228.13	269.49 S	443.30 E	518.79	121.30	1.33	-1.30
83	MWD	8356.00	0.90	130.20	93	8327.37	-229.08	272.57 S	445.38 E	522.16	121.47	0.28	-0.27
84	MWD	8448.00	0.90	137.80	92	8419.35	-229.98	273.62 S	446.38 E	523.57	121.51	0.21	0.00
85	MWD	8541.00	1.10	150.40	93	8512.34	-231.20	274.62 S	447.42 E	524.97	121.54	0.13	0.00
86	MWD	8633.00	1.10	158.20	92	8604.32	-232.71	275.94 S	448.35 E	526.46	121.61	0.32	0.22
87	MWD	8726.00	1.20	162.90	93	8697.30	-234.40	277.53 S	449.11 E	527.94	121.71	0.16	0.00
88	MWD	8818.00	1.40	162.60	92	8789.28	-236.32	279.29 S	449.73 E	529.39	121.84	0.15	0.11
89	MWD	8911.00	1.40	168.20	93	8882.25	-238.45	281.28 S	450.35 E	530.97	121.99	0.22	0.22
90	MWD	9003.00	1.40	172.80	92	8974.23	-240.62	283.48 S	450.92 E	532.62	122.16	0.15	0.00
91	MWD	9095.00	1.60	170.80	92	9066.19	-242.96	285.69 S	451.29 E	534.12	122.34	0.12	0.00
92	MWD	9188.00	1.60	182.10	93	9159.16	-245.51	288.07 S	451.64 E	535.69	122.53	0.22	0.22
93	MWD	9280.00	1.60	184.20	92	9251.12	-248.08	290.65 S	451.80 E	537.22	122.75	0.34	0.00
94	MWD	9372.00	1.40	196.70	92	9343.09	-250.46	293.22 S	451.66 E	538.49	122.99	0.06	0.00
95	MWD	9465.00	1.60	193.50	93	9436.06	-252.86	295.57 S	451.24 E	539.43	123.23	0.42	-0.22
96	MWD	9557.00	1.60	194.60	92	9528.02	-255.41	297.93 S	450.61 E	540.19	123.47	0.23	0.22
97	MWD	9649.00	1.80	204.20	92	9619.98	-258.04	300.42 S	449.99 E	541.05	123.73	0.03	0.00
98	MWD	9742.00	0.50	312.90	93	9712.97	-259.18	302.98 S	449.07 E	541.72	124.01	0.38	0.22
99	MWD	9834.00	1.20	356.40	92	9804.96	-257.99	304.03 S	448.18 E	541.57	124.15	2.17	-1.40
100	MWD	9927.00	0.40	56.90	93	9897.95	-256.82	302.80 S	447.82 E	540.58	124.07	0.98	0.76
101	MWD	10019.00	0.90	4.90	92	9989.94	-255.90	301.65 S	448.03 E	540.12	123.95	1.14	-0.86
102	MWD	10112.00	1.20	1.70	93	10082.93	-254.20	300.75 S	448.36 E	539.89	123.85	0.79	0.54
103	MWD	10204.00	1.40	333.20	92	10174.90	-252.29	299.05 S	448.45 E	539.02	123.70	0.33	0.32
104	MWD	10288.00	4.90	8.40	84	10258.77	-247.83	297.09 S	447.98 E	537.53	123.55	0.73	0.22
105	MWD	10334.00	12.70	358.60	46	10304.20	-240.84	292.62 S	448.04 E	535.13	123.15	4.57	4.17
106	MWD	10381.00	19.40	357.10	47	10349.34	-227.98	285.61 S	448.20 E	531.47	122.51	17.21	16.96
107	MWD	10427.00	23.00	0.30	46	10392.22	-211.47	272.64 S	447.68 E	524.16	121.34	14.28	14.26
108	MWD	10473.00	24.80	358.90	46	10434.27	-192.93	256.01 S	447.34 E	515.42	119.78	8.22	7.83
109	MWD	10519.00	29.60	3.10	46	10475.18	-171.99	237.38 S	447.20 E	506.30	117.96	4.10	3.91
110	MWD	10565.00	33.30	7.00	46	10514.42	-148.00	216.38 S	447.63 E	497.18	115.80	11.23	10.43
								192.49 S	449.78 E	489.24	113.17	9.18	8.04



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								N/S (ft)	E/W (ft)		Distance (ft)	Angle (deg)			
111	MWD	10611.00	36.60	7.70	46	10552.12	-121.67	166.36	S	453.16	E	482.73	110.16	7.23	7.17
112	MWD	10658.00	39.60	5.60	47	10589.10	-92.68	137.56	S	456.50	E	476.78	106.77	6.95	6.38
113	MWD	10704.00	44.70	4.70	46	10623.19	-61.82	106.82	S	459.26	E	471.52	103.09	11.16	11.09
114	MWD	10750.00	50.50	6.30	46	10654.20	-27.87	73.03	S	462.54	E	468.27	98.97	12.87	12.61
115	MWD	10796.00	56.50	9.10	46	10681.55	9.06	36.41	S	467.52	E	468.94	94.45	13.93	13.04
116	MWD	10842.00	61.80	7.50	46	10705.13	48.49	2.65	N	473.21	E	473.21	89.68	11.90	11.52
117	MWD	10888.00	66.00	5.10	46	10725.37	89.78	43.70	N	477.72	E	479.72	84.77	10.26	9.13
118	MWD	10935.00	68.80	3.30	47	10743.43	133.15	86.97	N	480.89	E	488.69	79.75	6.93	5.96
119	MWD	10981.00	70.90	1.70	46	10759.28	176.27	130.11	N	482.77	E	500.00	74.92	5.61	4.57
120	MWD	11027.00	71.30	1.90	46	10774.18	219.70	173.61	N	484.14	E	514.32	70.27	0.96	0.87
121	MWD	11073.00	73.90	1.50	46	10787.93	263.49	217.48	N	485.44	E	531.93	65.87	5.71	5.65
122	MWD	11120.00	75.50	1.00	47	10800.33	308.69	262.80	N	486.43	E	552.88	61.62	3.56	3.40
123	MWD	11166.00	77.40	0.70	46	10811.11	353.26	307.51	N	487.09	E	576.04	57.73	4.18	4.13
124	MWD	11212.00	83.40	359.10	46	10818.78	398.37	352.85	N	487.01	E	601.40	54.08	13.49	13.04
125	MWD	11258.00	86.70	359.40	46	10822.75	443.92	398.67	N	486.41	E	628.91	50.66	7.20	7.17
126	MWD	11290.00	88.30	358.70	32	10824.14	475.68	430.63	N	485.88	E	649.24	48.45	5.46	5.00
127	MWD	11337.00	89.90	359.10	47	10824.88	522.35	477.61	N	484.97	E	680.67	45.44	3.51	3.40
128	MWD	11429.00	93.40	358.70	92	10822.23	613.68	569.54	N	483.21	E	746.91	40.31	3.83	3.80
129	MWD	11491.00	92.90	358.90	62	10818.82	675.16	631.44	N	481.91	E	794.32	37.35	0.87	-0.81
130	MWD	11521.00	91.80	358.40	30	10817.59	704.91	661.40	N	481.21	E	817.93	36.04	4.03	-3.67
131	MWD	11552.00	91.70	359.60	31	10816.65	735.70	692.38	N	480.67	E	842.87	34.77	3.88	-0.32
132	MWD	11583.00	90.60	359.30	31	10816.03	766.51	723.37	N	480.37	E	868.35	33.59	3.68	-3.55
133	MWD	11614.00	90.30	360.00	31	10815.78	797.35	754.37	N	480.18	E	894.23	32.48	2.46	-0.97
134	MWD	11645.00	90.80	0.50	31	10815.48	828.21	785.37	N	480.31	E	920.60	31.45	2.28	1.61
135	MWD	11675.00	91.70	0.50	30	10814.83	858.09	815.36	N	480.58	E	946.45	30.52	3.00	3.00
136	MWD	11706.00	91.10	1.70	31	10814.07	888.98	846.35	N	481.17	E	973.56	29.62	4.33	-1.94
137	MWD	11737.00	91.00	2.20	31	10813.50	919.92	877.32	N	482.23	E	1001.12	28.80	1.64	-0.32
138	MWD	11767.00	89.90	1.50	30	10813.27	949.85	907.31	N	483.19	E	1027.95	28.04	4.35	-3.67
139	MWD	11798.00	91.00	2.80	31	10813.03	980.80	938.28	N	484.36	E	1055.92	27.30	5.49	3.55
140	MWD	11829.00	90.40	2.80	31	10812.65	1011.76	969.24	N	485.87	E	1084.21	26.62	1.94	-1.94
141	MWD	11860.00	89.90	1.70	31	10812.57	1042.71	1000.22	N	487.09	E	1112.52	25.97	3.90	-1.61
142	MWD	11891.00	89.90	1.70	31	10812.62	1073.63	1031.20	N	488.01	E	1140.85	25.33	0.00	0.00
143	MWD	11922.00	88.70	0.80	31	10813.00	1104.54	1062.19	N	488.68	E	1169.22	24.71	4.84	-3.87
144	MWD	11953.00	89.00	0.70	31	10813.62	1135.43	1093.18	N	489.09	E	1197.61	24.10	1.02	0.97
145	MWD	11983.00	88.20	1.40	30	10814.35	1165.33	1123.17	N	489.64	E	1225.26	23.55	3.54	-2.67
146	MWD	12014.00	88.50	2.10	31	10815.25	1196.24	1154.14	N	490.59	E	1254.08	23.03	2.46	0.97
147	MWD	12045.00	87.60	1.90	31	10816.30	1227.17	1185.11	N	491.67	E	1283.05	22.53	2.97	-2.90
148	MWD	12076.00	86.90	1.00	31	10817.79	1258.05	1216.06	N	492.45	E	1311.99	22.05	3.68	-2.26



DRILTECH MWD SURVEY REPORT

Company:

EOG Resources, Inc.

Job Number:

2015-051-EODT-NM

Well:

Lomas Rojas 26 State Com #501H

Vertical Section Plane:

5.56

Location:

Lea County, New Mexico

WELL API #:

30-025-42156

Rig:

Precision 612

Tie Into:

Surface

Calculation Method

Minimum Curvature

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')
149	MWD	12168.00	88.20	360.00	92	10821.72	1349.61	N/S (ft)	E/W (ft)				
150	MWD	12260.00	87.60	357.90	92	10825.09	1440.93	1307.97	N 493.25	E 1397.88	20.66	1.78	1.41
151	MWD	12353.00	88.70	358.20	93	10828.10	1533.08	1399.89	N 491.57	E 1483.68	19.35	2.37	-0.65
152	MWD	12445.00	91.30	356.80	92	10828.10	1624.16	1492.78	N 488.41	E 1570.65	18.12	1.23	1.18
153	MWD	12537.00	93.30	357.30	92	10824.40	1715.07	1584.68	N 484.39	E 1657.06	17.00	3.21	2.83
154	MWD	12623.00	91.70	358.60	86	10820.65	1800.23	1676.48	N 479.66	E 1743.75	15.97	2.24	2.17
155	MWD	12716.00	86.90	357.30	93	10821.79	1892.37	1762.34	N 476.59	E 1825.65	15.13	2.40	-1.86
156	MWD	12808.00	86.60	357.30	92	10827.00	1983.27	1855.25	N 473.26	E 1914.66	14.31	5.35	-5.16
157	MWD	12900.00	86.90	358.20	92	10832.22	2074.27	1947.00	N 468.94	E 2002.67	13.54	0.33	-0.33
158	MWD	12993.00	88.00	0.10	93	10836.36	2166.59	2038.78	N 465.33	E 2091.21	12.86	1.03	0.33
159	MWD	13085.00	89.20	2.80	92	10838.61	2258.32	2131.67	N 463.95	E 2181.57	12.28	2.36	1.18
160	MWD	13177.00	90.40	3.50	92	10838.93	2350.23	2223.60	N 466.28	E 2271.96	11.84	3.21	1.30
161	MWD	13270.00	93.60	1.90	93	10835.68	2443.05	2315.46	N 471.34	E 2362.95	11.51	1.51	1.30
162	MWD	13362.00	95.00	2.10	92	10828.78	2534.61	2408.28	N 475.72	E 2454.82	11.17	3.85	3.44
163	MWD	13454.00	94.30	1.70	92	10821.33	2626.12	2499.97	N 478.92	E 2545.43	10.84	1.54	1.52
164	MWD	13547.00	89.90	360.00	93	10817.92	2718.71	2591.61	N 481.96	E 2636.05	10.53	0.88	-0.76
165	MWD	13639.00	88.00	0.30	92	10819.60	2810.28	2684.51	N 483.33	E 2727.68	10.21	5.07	-4.73
166	MWD	13732.00	87.60	0.80	93	10823.17	2902.86	2776.49	N 483.57	E 2818.29	9.88	2.09	-2.07
167	MWD	13824.00	87.10	1.20	92	10827.43	2994.47	2869.42	N 484.47	E 2910.03	9.58	0.69	-0.43
168	MWD	13917.00	89.70	1.00	93	10830.02	3087.14	2961.31	N 486.07	E 3000.94	9.32	0.70	-0.54
169	MWD	14009.00	90.30	360.00	92	10830.02	3178.78	3054.25	N 487.85	E 3092.96	9.08	2.80	2.80
170	MWD	14101.00	87.40	360.00	92	10831.87	3270.32	3146.24	N 488.66	E 3183.96	8.83	1.27	0.65
171	MWD	14194.00	87.30	358.60	93	10836.17	3362.67	3238.21	N 488.66	E 3274.88	8.58	3.15	-3.15
172	MWD	14286.00	87.10	1.20	92	10840.66	3454.10	3331.10	N 487.52	E 3366.59	8.33	1.51	-0.11
173	MWD	14378.00	88.90	0.10	92	10843.88	3545.70	3422.99	N 487.36	E 3457.51	8.10	2.83	-0.22
174	MWD	14470.00	88.90	358.70	92	10845.64	3637.15	3514.92	N 488.40	E 3548.69	7.91	2.29	1.96
175	MWD	14563.00	91.00	357.30	93	10845.72	3729.34	3606.90	N 487.44	E 3639.68	7.70	1.52	0.00
176	MWD	14655.00	92.70	357.00	92	10842.75	3820.30	3699.83	N 484.20	E 3731.38	7.46	2.71	2.26
177	MWD	14747.00	89.60	358.40	92	10840.91	3911.40	3791.67	N 479.62	E 3821.88	7.21	1.88	1.85
178	MWD	14839.00	88.50	359.30	92	10842.43	4002.76	3883.56	N 475.93	E 3912.61	6.99	3.70	-3.37
179	MWD	14932.00	89.60	358.00	93	10843.97	4095.06	3975.53	N 474.09	E 4003.69	6.80	1.54	-1.20
180	MWD	15024.00	89.20	356.60	92	10844.94	4186.10	4068.48	N 471.90	E 4095.76	6.62	1.83	1.18
181	MWD	15116.00	88.50	357.10	92	10846.78	4277.02	4160.37	N 467.56	E 4186.57	6.41	1.58	-0.43
182	MWD	15209.00	88.20	356.10	93	10849.46	4368.85	4252.22	N 462.51	E 4277.30	6.21	0.93	-0.76
183	MWD	15301.00	90.10	356.30	92	10850.83	4459.61	4345.01	N 457.00	E 4368.98	6.00	1.12	-0.32
184	MWD	15393.00	89.70	357.10	92	10850.99	4550.51	4436.80	N 450.90	E 4459.65	5.80	2.08	2.07
185	MWD	15486.00	90.60	358.00	93	10850.74	4642.60	4528.64	N 445.60	E 4550.51	5.62	0.97	-0.43
186	MWD	15521.00	90.60	358.40	35	10850.38	4677.31	4621.56	N 441.63	E 4642.61	5.46	1.37	0.97
								4656.54	N 440.53	E 4677.33	5.40	1.14	0.00



EOG Resources, Inc.

Lomas Rojas 26 State Com #501H

Lea County, New Mexico

Precision 612

2015-051-EODT-NM

5.56

30-025-42156

Surface

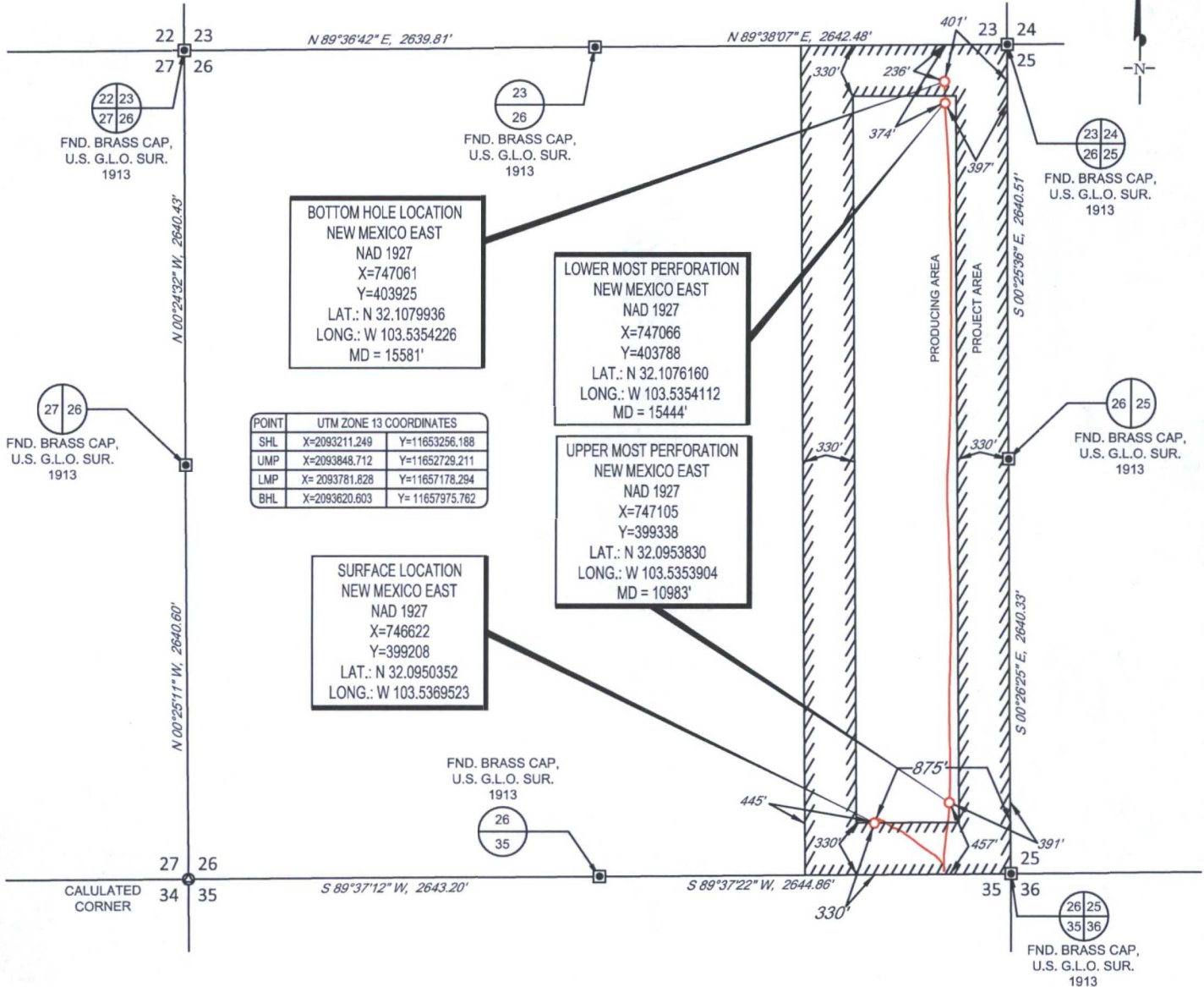
Calculation Method	Minimum Curvature
$\frac{1}{2} \left(\frac{1}{R_1} + \frac{1}{R_2} \right)$	$\frac{1}{R_1} + \frac{1}{R_2}$

[illegible]

SCALE: 1" = 1000'

0' 500' 1000'

SECTION 26, TOWNSHIP 25-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

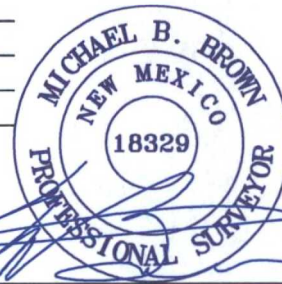


LEASE NAME & WELL NO.: LOMAS ROJAS 26 STATE COM #501H
SECTION 26 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3330'
DESCRIPTION 330' FSL & 875' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
APRIL 14, 2016



LOMAS ROJAS 26 STATE COM #501H AS-COMPLETED DATE: APRIL 14/2016 FILE: AD_LOMASROJAS26STATECOM_501H DRAWN BY: A.V.F. SHEET: 1 OF 1	REVISION:	
	INT	DATE

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY EOG RESOURCES, INC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.