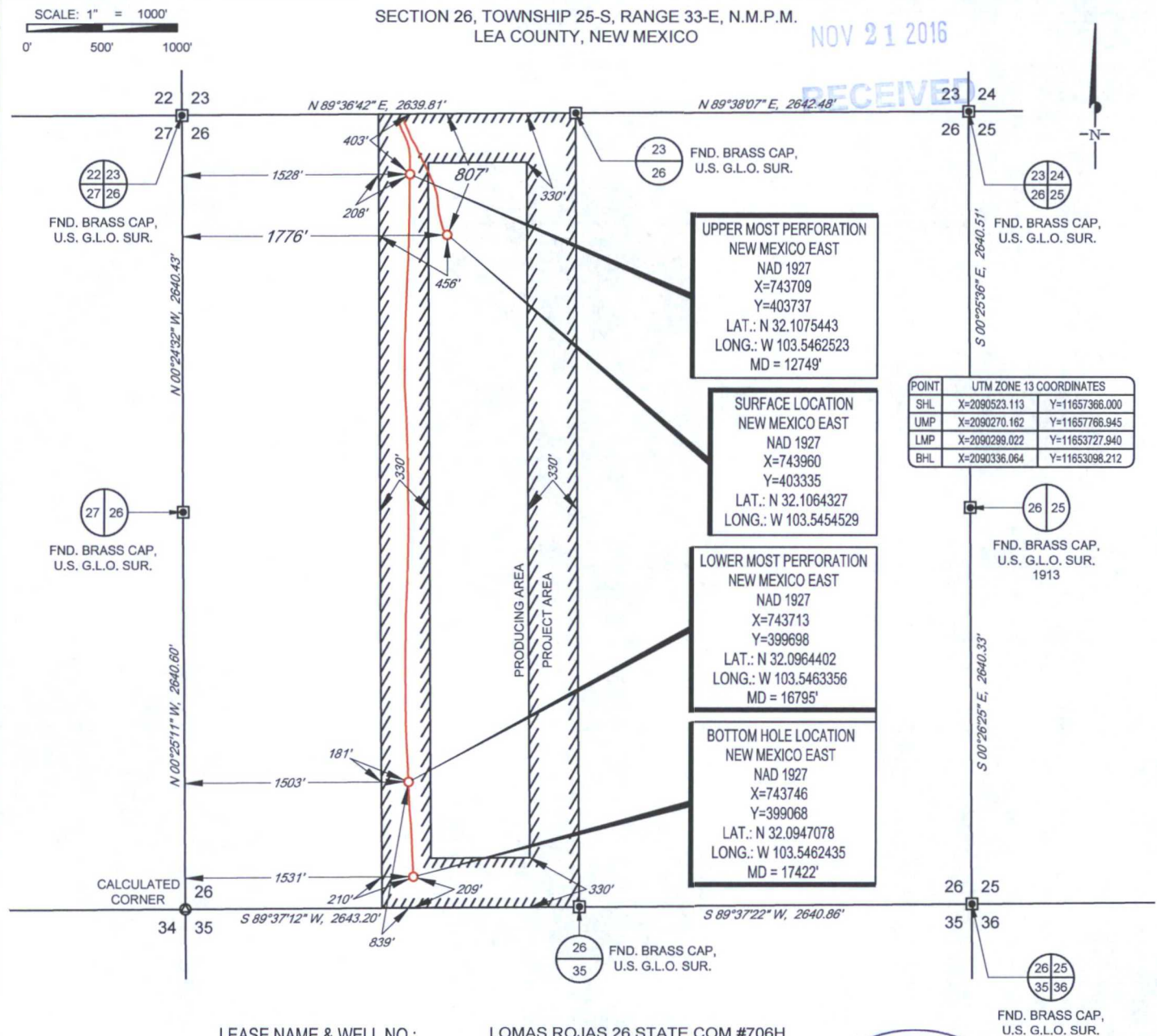


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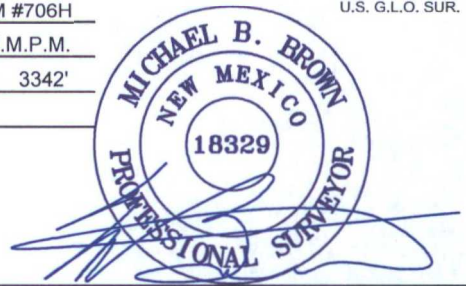
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eoog resources, Inc.



Michael Blake Brown, P.S. No. 18329
SEPTEMBER 15, 2016

LOMAS ROJAS 26 STATE COM #706H AS-COMPLETED	REVISION:	
	INT	DATE
DATE:	09/15/16	
FILE:	AD_LOMASROJAS26STATECOM_706H	
DRAWN BY:	A.C.C.	
SHEET:	1 OF 1	

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.



Minimum Curvature Calculation

Client: EOG Resources
Well: Lomas Rojas 26 State Com #706H
County, ST: Lea County, NM
Rig: H&P 465
Lat / Long: 32.1064327 / -103.545452E
API#: 30-025-43219
RKB / GL: 3367' / 3342'
Vertical Section Angle: 183.33

Job #: PB-161175
M.W.D. Operators: C. Nagle / J. Demory
Directional Drillers: C. Baker / D. Etheridge
Tool Azimuth to Grid North: 6.50
Geomagnetic Model: HDGM
Single or Multi-well Pad (# /total): 2/2
DSI Corrected Runs: None

RECEIVED

Survey #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	DLS
Tie In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	134.00	0.97	213.31	133.99	0.98	-0.95	-0.62	0.72
2	320.00	0.88	138.34	319.98	3.36	-3.33	-0.54	0.61
3	501.00	0.35	124.98	500.96	4.63	-4.69	0.84	0.30
4	687.00	0.09	257.08	686.96	4.97	-5.04	1.16	0.22
5	874.00	0.35	281.42	873.96	4.93	-4.96	0.46	0.14
6	1060.00	1.06	254.35	1059.95	5.41	-5.32	-1.75	0.41
7	1107.00	1.14	244.24	1106.94	5.78	-5.64	-2.59	0.45
8	1243.00	1.06	216.56	1242.91	7.49	-7.23	-4.56	0.39
9	1429.00	1.23	309.72	1428.89	7.74	-7.34	-7.12	0.90
10	1615.00	3.52	340.48	1614.72	1.30	-0.68	-10.57	1.37
11	1802.00	4.40	340.40	1801.28	-10.60	11.49	-14.89	0.47
12	1990.00	4.66	338.99	1988.69	-24.20	25.41	-20.05	0.15
13	2176.00	5.89	338.29	2173.90	-39.73	41.33	-26.29	0.66
14	2363.00	7.56	341.28	2359.60	-59.83	61.90	-33.79	0.91
15	2549.00	9.76	346.02	2543.47	-86.22	88.79	-41.52	1.24
16	2736.00	8.97	347.08	2727.98	-115.35	118.38	-48.61	0.43
17	2922.00	7.83	349.19	2911.98	-141.56	144.96	-54.23	0.63
18	3109.00	9.32	351.73	3096.89	-168.75	172.45	-58.80	0.82
19	3297.00	8.44	355.95	3282.63	-197.34	201.28	-61.96	0.58
20	3483.00	7.91	357.27	3466.74	-223.61	227.68	-63.53	0.30
21	3670.00	8.00	348.39	3651.95	-248.98	253.28	-66.77	0.66
22	3857.00	8.18	349.45	3837.09	-274.46	279.11	-71.82	0.13
23	4044.00	8.18	338.64	4022.20	-299.47	304.58	-79.10	0.82
24	4231.00	7.74	337.85	4207.40	-322.92	328.63	-88.70	0.24
25	4418.00	8.00	338.11	4392.64	-346.06	352.37	-98.30	0.14
26	4604.00	9.06	335.04	4576.58	-370.67	377.65	-109.30	0.62
27	4791.00	7.12	336.35	4761.71	-393.96	401.62	-120.16	1.04
28	4978.00	10.02	332.40	4946.60	-418.25	426.66	-132.35	1.58
29	5166.00	9.23	332.31	5131.95	-445.20	454.50	-146.94	0.42
30	5354.00	8.27	333.19	5317.76	-469.82	479.92	-160.04	0.52
31	5541.00	9.58	335.74	5502.50	-495.24	506.11	-172.50	0.73
32	5729.00	8.71	334.51	5688.10	-521.58	533.23	-185.06	0.47
33	5916.00	8.18	333.80	5873.08	-545.56	557.94	-197.02	0.29
34	6103.00	7.39	334.42	6058.35	-567.66	580.73	-208.09	0.42
35	6290.00	8.35	327.65	6243.59	-589.22	603.05	-220.55	0.71
36	6477.00	7.91	330.73	6428.71	-611.09	625.74	-234.10	0.33
37	6663.00	8.71	336.97	6612.76	-634.49	649.87	-245.87	0.65
38	6850.00	9.15	338.02	6797.49	-660.62	676.69	-256.98	0.25
39	7038.00	8.53	338.20	6983.26	-686.75	703.49	-267.75	0.33
40	7224.00	8.00	337.41	7167.33	-710.88	728.25	-277.84	0.29
41	7412.00	6.86	341.45	7353.75	-733.07	750.98	-286.44	0.67
42	7598.00	3.96	356.22	7538.91	-749.76	767.92	-290.40	1.72
43	7784.00	0.53	301.72	7724.75	-756.54	774.78	-291.55	1.98
44	7971.00	1.32	255.85	7911.72	-756.30	774.71	-294.38	0.55
45	8159.00	0.26	186.59	8099.70	-755.23	773.76	-296.53	0.67
46	8346.00	0.44	168.92	8286.70	-754.11	772.63	-296.44	0.11
47	8534.00	0.35	143.43	8474.70	-752.97	771.46	-295.96	0.10
48	8721.00	0.44	138.07	8661.69	-752.03	770.47	-295.14	0.05
49	8909.00	0.79	133.68	8849.68	-750.68	769.04	-293.72	0.19
50	9096.00	0.88	132.01	9036.66	-748.95	767.19	-291.72	0.05
51	9283.00	0.62	127.61	9223.64	-747.48	765.61	-289.85	0.14

Survey #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	DLS
52	9470.00	0.18	137.63	9410.64	-746.70	764.77	-288.85	0.24
53	9657.00	0.53	318.51	9597.64	-747.11	765.20	-289.23	0.38
54	9845.00	0.79	358.33	9785.63	-749.02	767.15	-289.84	0.27
55	10032.00	0.53	12.48	9972.61	-751.16	769.28	-289.69	0.16
56	10219.00	0.09	212.78	10159.61	-751.88	770.01	-289.58	0.33
57	10407.00	0.88	286.78	10347.60	-752.09	770.30	-291.05	0.46
58	10593.00	1.85	270.70	10533.55	-752.29	770.75	-295.41	0.56
59	10780.00	2.64	270.44	10720.40	-751.93	770.82	-302.74	0.42
60	10967.00	1.67	259.27	10907.27	-751.05	770.34	-309.72	0.56
61	11154.00	1.76	217.96	11094.19	-748.03	767.57	-314.17	0.65
62	11266.00	1.93	209.44	11206.14	-744.92	764.57	-316.15	0.29
63	11453.00	2.29	207.95	11393.01	-738.69	758.53	-319.45	0.19
64	11641.00	1.76	177.97	11580.90	-732.40	752.33	-321.11	0.62
65	11828.00	2.90	165.58	11767.74	-725.04	744.88	-319.83	0.66
66	12016.00	3.17	168.57	11955.47	-715.48	735.17	-317.62	0.17
67	12179.00	3.17	174.46	12118.23	-706.67	726.27	-316.29	0.20
68	12203.00	2.90	173.40	12142.19	-705.42	725.01	-316.15	1.15
69	12252.00	4.92	158.73	12191.08	-702.29	721.82	-315.25	4.57
70	12298.00	8.53	162.51	12236.75	-697.30	716.72	-313.51	7.90
71	12344.00	15.12	157.23	12281.75	-688.72	707.93	-310.16	14.50
72	12392.00	20.66	154.60	12327.42	-675.66	694.50	-304.10	11.66
73	12439.00	34.82	152.66	12368.91	-656.75	674.99	-294.33	30.19
74	12485.00	47.13	155.47	12403.57	-630.45	647.88	-281.25	27.05
75	12532.00	60.06	161.71	12431.43	-596.12	612.70	-267.64	29.49
76	12579.00	73.95	169.10	12449.76	-555.05	570.94	-256.91	32.88
77	12625.00	79.58	175.43	12460.30	-511.14	526.61	-250.92	18.14
78	12673.00	83.45	179.29	12467.39	-463.94	479.20	-248.74	11.32
79	12719.00	88.20	181.93	12470.73	-418.13	433.34	-249.23	11.81
80	12766.00	91.19	182.72	12470.98	-371.15	386.39	-251.14	6.58
81	12860.00	89.78	180.00	12470.19	-277.22	292.43	-253.37	3.26
82	12954.00	92.77	179.82	12468.10	-183.42	198.46	-253.22	3.19
83	13048.00	91.63	180.79	12464.49	-89.62	104.54	-253.72	1.59
84	13141.00	92.24	180.70	12461.35	3.23	11.60	-254.93	0.66
82	13235.00	91.71	181.75	12458.11	97.11	-82.32	-256.94	1.25
83	13328.00	89.52	182.46	12457.11	190.08	-175.25	-260.35	2.48
84	13422.00	88.37	182.02	12458.84	284.04	-269.16	-264.03	1.31
85	13515.00	89.43	182.28	12460.63	377.00	-362.08	-267.52	1.17
86	13608.00	92.07	183.07	12459.41	469.98	-454.96	-271.86	2.96
87	13701.00	88.46	181.05	12458.98	562.94	-547.88	-275.20	4.45
88	13795.00	88.99	181.31	12461.07	656.85	-641.83	-277.13	0.63
89	13888.00	91.80	181.05	12460.43	749.77	-734.80	-279.05	3.03
90	13983.00	92.51	180.44	12456.86	844.60	-829.72	-280.28	0.99
91	14076.00	91.45	179.03	12453.64	937.36	-922.66	-279.85	1.90
92	14170.00	91.89	177.97	12450.90	1030.99	-1016.59	-277.39	1.22
93	14262.00	90.75	176.83	12448.79	1122.47	-1108.47	-273.22	1.75
94	14356.00	89.69	176.74	12448.42	1215.85	-1202.32	-267.95	1.13
95	14450.00	89.60	178.68	12449.01	1309.39	-1296.24	-264.19	2.07
96	14543.00	91.36	178.06	12448.23	1402.04	-1389.19	-261.55	2.01
97	14637.00	90.57	178.33	12446.64	1495.65	-1483.13	-258.59	0.89
98	14731.00	89.52	179.38	12446.57	1589.36	-1577.11	-256.71	1.58
99	14825.00	89.08	179.56	12447.72	1683.14	-1671.10	-255.84	0.51
100	14919.00	90.66	178.77	12447.93	1776.89	-1765.09	-254.47	1.88
101	15012.00	90.40	179.03	12447.07	1869.60	-1858.06	-252.68	0.40
102	15106.00	90.57	180.17	12446.28	1963.40	-1952.06	-252.03	1.23
103	15199.00	91.80	180.79	12444.35	2056.26	-2045.03	-252.81	1.48
104	15293.00	90.04	181.23	12442.84	2150.17	-2139.00	-254.46	1.93
105	15387.00	91.80	182.02	12441.33	2244.11	-2232.95	-257.13	2.05
106	15481.00	89.78	181.84	12440.04	2338.07	-2326.88	-260.29	2.16
107	15574.00	90.48	182.54	12439.83	2431.05	-2419.81	-263.85	1.06
108	15667.00	92.42	180.96	12437.47	2523.98	-2512.73	-266.69	2.69
109	15761.00	90.40	180.35	12435.16	2617.84	-2606.69	-267.76	2.24
110	15854.00	91.45	180.70	12433.66	2710.72	-2699.67	-268.61	1.19
111	15949.00	91.45	180.26	12431.26	2805.57	-2794.64	-269.41	0.46
112	16042.00	89.69	179.56	12430.33	2898.39	-2887.63	-269.26	2.04
113	16135.00	90.75	179.64	12429.97	2991.19	-2980.62	-268.61	1.14

<i>Survey #</i>	<i>Meas. Depth</i>	<i>Inc.</i>	<i>Azm.</i>	<i>T.V.D.</i>	<i>Ver. Sect.</i>	<i>+N / -S</i>	<i>+E / -W</i>	<i>DLS</i>
114	16228.00	92.15	179.12	12427.62	3083.94	-3073.59	-267.61	1.61
115	16323.00	89.78	179.21	12426.02	3178.67	-3168.56	-266.22	2.50
116	16417.00	91.80	178.50	12424.72	3272.37	-3262.52	-264.35	2.28
117	16511.00	90.22	177.01	12423.07	3365.90	-3356.43	-260.66	2.31
118	16605.00	91.54	177.54	12421.62	3459.37	-3450.31	-256.20	1.51
119	16698.00	87.93	176.66	12422.05	3551.80	-3543.17	-251.49	4.00
120	16792.00	92.15	177.62	12421.99	3645.23	-3637.04	-246.80	4.60
121	16885.00	89.25	177.27	12420.85	3737.72	-3729.93	-242.66	3.14
122	16978.00	89.78	176.22	12421.64	3830.10	-3822.77	-237.38	1.26
123	17071.00	91.54	175.34	12420.57	3922.29	-3915.51	-230.53	2.12
124	17165.00	89.25	177.80	12419.92	4015.62	-4009.32	-224.91	3.58
125	17258.00	91.01	177.54	12419.71	4108.16	-4102.24	-221.13	1.91
126	17352.00	90.75	177.36	12418.27	4201.66	-4196.14	-216.95	0.34
TD	17423.00	90.75	177.36	12417.34	4272.26	-4267.06	-213.68	0.00