



Directional Survey Report

HOBBS OCD

Company Name: EOG Resources, Inc.
Well Name: Lomas Rojas 26 State #702H
Rig ID: Precision 612
API/UWI: 30-025-42567
Start Date: 6/28/15
End Date: 7/19/2015

Survey Company: PDSI
Job Number: DL2563
Location: Jal, NM
State/Prov: NM
County: Lea
Field: Wolfcamp U1

Latitude: 0
Longitude: 0
KB: 25
North Reference: Grid
Proposed Azimuth: 180
Declination: 6.72

MAY 02 2016

RECEIVED

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
Tiein	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	146.00	0.50	285.30	146.00	0.17	-0.61	-0.17	0.34
2	333.00	0.60	278.00	332.99	0.52	-2.37	-0.52	0.07
3	456.00	0.40	254.00	455.98	0.49	-3.42	-0.49	0.23
4	613.00	0.60	190.80	612.98	-0.47	-4.10	0.47	0.35
5	798.00	0.70	167.20	797.97	-2.52	-4.03	2.52	0.15
6	983.00	0.50	111.70	982.96	-3.92	-3.03	3.92	0.32
7	1,167.00	0.90	106.60	1,166.95	-4.63	-0.90	4.63	0.22
8	1,354.00	1.10	129.10	1,353.92	-6.18	1.90	6.18	0.23
9	1,541.00	1.00	120.30	1,540.89	-8.14	4.70	8.14	0.10
10	1,728.00	0.90	108.30	1,727.86	-9.42	7.50	9.42	0.12
11	1,914.00	0.90	102.30	1,913.84	-10.19	10.32	10.19	0.05
12	2,101.00	0.70	97.40	2,100.82	-10.65	12.89	10.65	0.11
13	2,288.00	2.00	7.20	2,287.78	-7.56	14.43	7.56	1.13
14	2,474.00	3.10	4.30	2,473.59	0.67	15.21	-0.67	0.60
15	2,661.00	4.40	1.30	2,660.19	12.89	15.75	-12.89	0.70
16	2,847.00	5.90	353.70	2,845.43	29.52	14.87	-29.52	0.88
17	3,033.00	7.00	352.70	3,030.25	50.27	12.38	-50.27	0.59
18	3,219.00	7.70	358.80	3,214.72	73.97	10.68	-73.97	0.56
19	3,405.00	8.30	2.70	3,398.92	99.84	11.05	-99.84	0.43
20	3,592.00	7.30	352.10	3,584.19	125.09	10.05	-125.09	0.93
21	3,779.00	6.60	354.40	3,769.82	147.55	7.37	-147.55	0.40
22	3,968.00	7.40	356.00	3,957.41	170.50	5.46	-170.50	0.44
23	4,155.00	6.70	338.80	4,143.01	192.69	0.67	-192.69	1.18
24	4,343.00	7.50	340.00	4,329.57	214.45	-7.49	-214.45	0.43
25	4,529.00	6.90	343.90	4,514.10	236.59	-14.74	-236.59	0.42
26	4,716.00	6.30	357.10	4,699.87	257.63	-18.37	-257.63	0.87
27	4,902.00	8.00	358.60	4,884.42	280.76	-19.21	-280.76	0.92
28	5,089.00	8.90	340.90	5,069.42	307.44	-24.26	-307.44	1.46
29	5,275.00	8.60	337.50	5,253.26	333.89	-34.29	-333.89	0.32
30	5,462.00	8.80	340.00	5,438.11	360.25	-44.53	-360.25	0.23
31	5,647.00	6.00	351.80	5,621.56	383.12	-50.75	-383.12	1.71
32	5,834.00	7.40	10.90	5,807.30	404.62	-49.87	-404.62	1.40
33	6,022.00	7.40	1.30	5,993.74	428.62	-47.30	-428.62	0.66
34	6,208.00	6.30	359.50	6,178.41	450.80	-47.12	-450.80	0.60
35	6,396.00	6.00	3.60	6,365.33	470.92	-46.59	-470.92	0.28
36	6,581.00	8.20	2.70	6,548.90	493.75	-45.37	-493.75	1.19
37	6,767.00	10.00	0.90	6,732.55	523.15	-44.49	-523.15	0.98
38	6,952.00	9.10	359.30	6,914.99	553.84	-44.41	-553.84	0.51
39	7,137.00	7.90	358.60	7,097.95	581.18	-44.90	-581.18	0.65
40	7,323.00	6.70	358.30	7,282.44	604.80	-45.54	-604.80	0.65
41	7,509.00	4.80	357.60	7,467.49	623.43	-46.19	-623.43	1.02
42	7,695.00	4.70	4.30	7,652.86	638.80	-45.94	-638.80	0.30
43	7,882.00	2.60	344.40	7,839.47	650.53	-46.51	-650.53	1.30
44	8,068.00	1.40	341.20	8,025.36	656.74	-48.37	-656.74	0.65
45	8,254.00	0.90	310.80	8,211.32	659.85	-50.21	-659.85	0.42
46	8,440.00	1.70	257.00	8,397.28	660.18	-54.01	-660.18	0.74
47	8,626.00	1.20	325.10	8,583.23	661.16	-57.81	-661.16	0.90
48	8,812.00	2.50	48.60	8,769.15	665.44	-55.88	-665.44	1.42
49	8,998.00	1.40	82.30	8,955.05	668.43	-50.58	-668.43	0.83

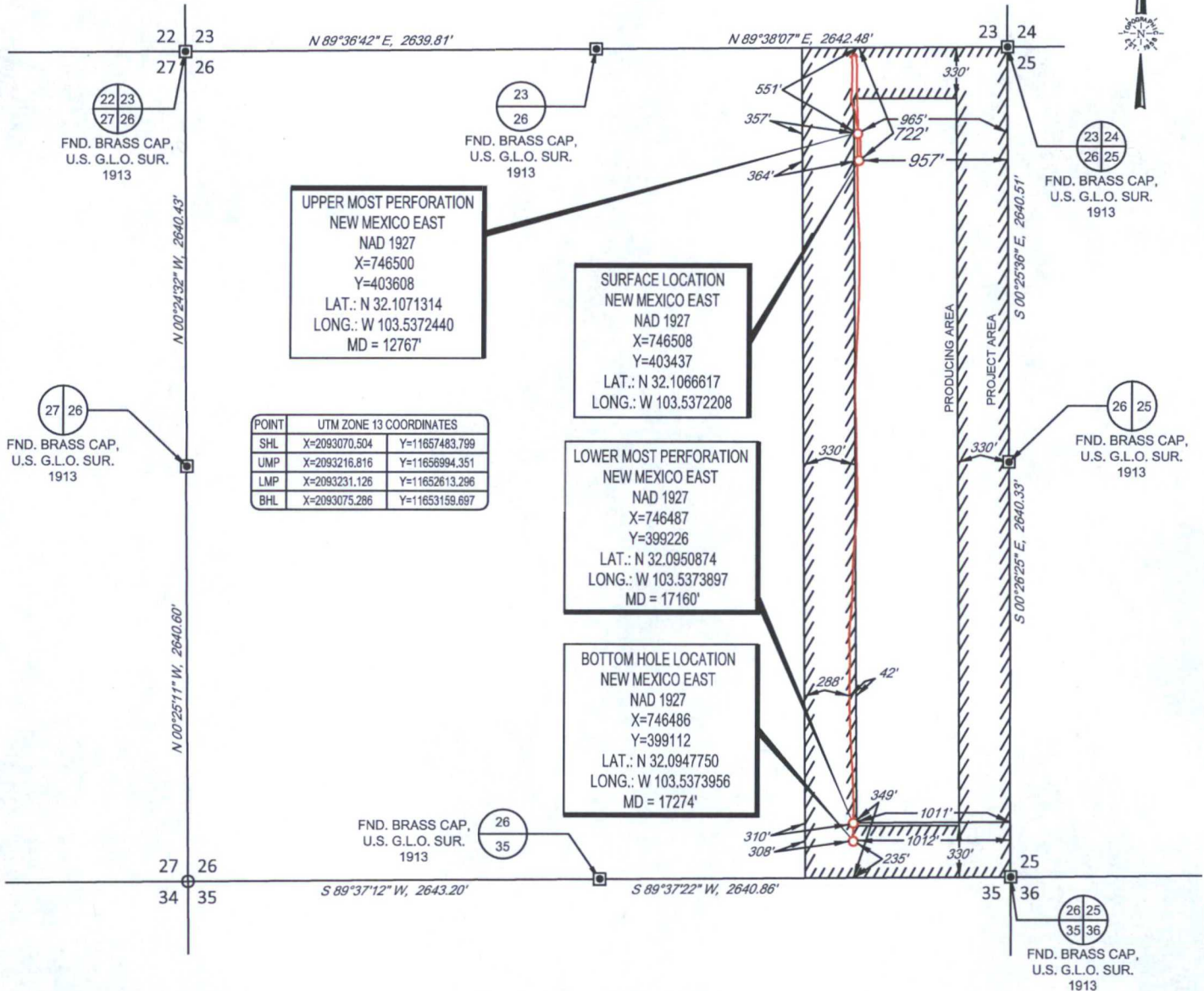
Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
50	9,185.00	2.90	82.10	9,141.91	669.38	-43.63	-669.38	0.80
51	9,371.00	2.40	81.10	9,327.71	670.63	-35.13	-670.63	0.27
52	9,558.00	1.30	95.70	9,514.61	671.03	-29.15	-671.03	0.64
53	9,745.00	1.60	77.70	9,701.55	671.37	-24.49	-671.37	0.29
54	9,931.00	1.30	84.80	9,887.49	672.12	-19.85	-672.12	0.19
55	10,120.00	1.40	160.50	10,076.45	670.13	-16.94	-670.13	0.88
56	10,306.00	1.80	158.20	10,262.38	665.28	-15.10	-665.28	0.22
57	10,411.00	1.00	153.70	10,367.35	662.93	-14.08	-662.93	0.77
58	10,572.00	0.80	281.30	10,528.34	661.89	-14.56	-661.89	1.00
59	10,759.00	2.20	332.60	10,715.28	665.33	-17.49	-665.33	0.97
60	10,947.00	0.80	6.90	10,903.21	669.84	-18.99	-669.84	0.85
61	11,134.00	0.40	275.80	11,090.20	671.20	-19.49	-671.20	0.48
62	11,321.00	0.50	346.70	11,277.20	672.06	-20.32	-672.06	0.28
63	11,508.00	1.80	314.30	11,464.16	674.90	-22.61	-674.90	0.75
64	11,695.00	0.90	16.40	11,651.11	678.36	-24.30	-678.36	0.85
65	11,880.00	0.30	111.00	11,836.11	679.58	-23.44	-679.58	0.52
66	11,973.00	1.40	177.90	11,929.10	678.36	-23.17	-678.36	1.41
67	12,066.00	21.50	169.30	12,019.78	660.29	-19.93	-660.29	21.63
68	12,159.00	35.30	177.10	12,101.42	616.49	-15.38	-616.49	15.34
69	12,206.00	35.20	179.20	12,139.80	589.38	-14.51	-589.38	2.59
70	12,252.00	35.90	179.20	12,177.23	562.64	-14.13	-562.64	1.52
71	12,299.00	38.50	180.40	12,214.66	534.22	-14.04	-534.22	5.74
72	12,345.00	40.40	179.70	12,250.18	505.00	-14.07	-505.00	4.24
73	12,392.00	42.30	180.20	12,285.46	473.95	-14.04	-473.95	4.10
74	12,439.00	44.10	179.70	12,319.72	441.78	-14.01	-441.78	3.90
75	12,485.00	45.00	178.60	12,352.50	409.51	-13.53	-409.51	2.58
76	12,532.00	46.90	177.20	12,385.18	375.76	-12.29	-375.76	4.57
77	12,578.00	53.00	177.20	12,414.76	340.60	-10.57	-340.60	13.26
78	12,625.00	59.60	177.20	12,440.83	301.57	-8.66	-301.57	14.04
79	12,672.00	65.20	178.80	12,462.59	259.96	-7.22	-259.96	12.29
80	12,719.00	68.80	181.10	12,480.96	216.71	-7.19	-216.71	8.89
81	12,766.00	71.90	182.00	12,496.76	172.47	-8.39	-172.47	6.84
82	12,812.00	76.40	180.40	12,509.32	128.24	-9.31	-128.24	10.34
83	12,859.00	79.10	180.70	12,519.29	82.31	-9.75	-82.31	5.78
84	12,905.00	80.50	179.70	12,527.44	37.04	-9.91	-37.04	3.72
85	12,952.00	82.00	179.50	12,534.59	-9.41	-9.59	9.41	3.22
86	12,997.00	83.70	179.30	12,540.19	-54.05	-9.12	54.05	3.80
87	13,044.00	85.30	179.20	12,544.69	-100.83	-8.51	100.83	3.41
88	13,091.00	86.30	179.20	12,548.14	-147.70	-7.85	147.70	2.13
89	13,137.00	88.50	179.30	12,550.22	-193.65	-7.25	193.65	4.79
90	13,184.00	90.30	178.60	12,550.72	-240.63	-6.39	240.63	4.11
91	13,277.00	94.60	177.20	12,546.74	-333.46	-2.99	333.46	4.86
92	13,371.00	90.50	177.60	12,542.56	-427.25	1.27	427.25	4.38
93	13,463.00	88.00	177.90	12,543.76	-519.16	4.88	519.16	2.74
94	13,555.00	88.50	179.20	12,546.57	-611.09	7.21	611.09	1.51
95	13,648.00	89.10	181.30	12,548.52	-704.06	6.80	704.06	2.35
96	13,741.00	96.50	180.20	12,543.98	-796.88	5.59	796.88	8.04
97	13,833.00	96.60	182.30	12,533.49	-888.25	3.59	888.25	2.27
98	13,926.00	95.20	182.00	12,523.93	-980.69	0.12	980.69	1.54
99	14,019.00	92.20	182.00	12,517.92	-1,073.43	-3.12	1,073.43	3.23
100	14,113.00	87.80	183.70	12,517.92	-1,167.29	-7.79	1,167.29	5.02
101	14,207.00	87.00	181.80	12,522.19	-1,261.08	-12.29	1,261.08	2.19
102	14,300.00	89.50	182.10	12,525.03	-1,353.97	-15.46	1,353.97	2.71
103	14,394.00	89.80	180.70	12,525.60	-1,447.94	-17.75	1,447.94	1.52
104	14,487.00	89.00	176.90	12,526.58	-1,540.90	-15.81	1,540.90	4.18
105	14,579.00	90.40	177.80	12,527.06	-1,632.79	-11.55	1,632.79	1.81
106	14,673.00	90.10	179.50	12,526.65	-1,726.76	-9.34	1,726.76	1.84
107	14,767.00	90.50	179.00	12,526.16	-1,820.75	-8.11	1,820.75	0.68
108	14,861.00	90.50	178.10	12,525.34	-1,914.72	-5.73	1,914.72	0.96
109	14,954.00	90.70	178.50	12,524.36	-2,007.67	-2.97	2,007.67	0.48

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
110	15,047.00	91.30	180.00	12,522.74	-2,100.65	-1.75	2,100.65	1.74
111	15,141.00	90.60	181.30	12,521.18	-2,194.63	-2.82	2,194.63	1.57
112	15,233.00	90.30	184.10	12,520.46	-2,286.51	-7.15	2,286.51	3.06
113	15,327.00	91.70	185.00	12,518.82	-2,380.20	-14.61	2,380.20	1.77
114	15,420.00	90.80	183.70	12,516.79	-2,472.90	-21.66	2,472.90	1.70
115	15,513.00	90.50	182.10	12,515.73	-2,565.78	-26.37	2,565.78	1.75
116	15,606.00	91.20	180.20	12,514.35	-2,658.74	-28.23	2,658.74	2.18
117	15,700.00	91.10	181.40	12,512.47	-2,752.71	-29.54	2,752.71	1.28
118	15,792.00	90.70	186.70	12,511.02	-2,844.44	-36.04	2,844.44	5.78
119	15,886.00	90.80	186.40	12,509.79	-2,937.82	-46.76	2,937.82	0.34
120	15,979.00	89.70	178.60	12,509.38	-3,030.65	-50.81	3,030.65	8.47
121	16,073.00	89.70	177.10	12,509.88	-3,124.58	-47.29	3,124.58	1.60
122	16,166.00	88.80	181.80	12,511.09	-3,217.55	-46.40	3,217.55	5.15
123	16,259.00	80.50	181.40	12,519.76	-3,310.02	-48.98	3,310.02	8.93
124	16,353.00	87.80	178.50	12,529.33	-3,403.46	-48.88	3,403.46	8.35
125	16,446.00	90.80	178.60	12,530.47	-3,496.41	-46.53	3,496.41	3.23
126	16,539.00	92.20	178.30	12,528.04	-3,589.34	-44.02	3,589.34	1.54
127	16,632.00	90.30	176.00	12,526.01	-3,682.20	-39.39	3,682.20	3.21
128	16,726.00	91.90	176.20	12,524.20	-3,775.96	-33.00	3,775.96	1.72
129	16,819.00	88.90	176.70	12,523.55	-3,868.77	-27.24	3,868.77	3.27
130	16,913.00	88.50	177.90	12,525.69	-3,962.64	-22.82	3,962.64	1.35
131	17,007.00	88.80	179.30	12,527.90	-4,056.58	-20.52	4,056.58	1.52
132	17,101.00	89.80	180.70	12,529.05	-4,150.57	-20.52	4,150.57	1.83
133	17,195.00	89.70	180.60	12,529.46	-4,244.56	-21.59	4,244.56	0.15
134	17,217.00	89.60	180.40	12,529.59	-4,266.56	-21.78	4,266.56	1.02
PTB	17,275.00	89.60	180.40	12,530.00	-4,324.56	-22.18	4,324.56	0.00

SCALE: 1" = 1000'

0' 500' 1000'

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

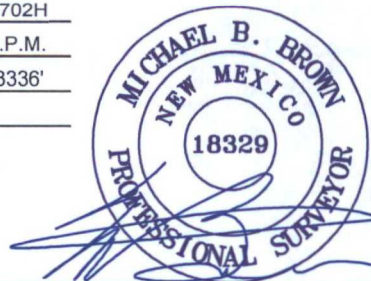


LEASE NAME & WELL NO.: LOMAS ROJAS 26 STATE COM #702H
SECTION 26 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3336'
DESCRIPTION 722' FNL & 957' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
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
MARCH 4, 2016



LOMAS ROJAS 26 STATE COM #702H AS-COMPLETED	REVISION:	
	INT	DATE
DATE: 03/04/2016		
FILE: AD_LOMASROJAS26STATECOM_702H		
DRAWN BY: A.V.F.		
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.