



Directional Survey Report

Company Name: EOG Resources, Inc.
Well Name: Lomas Rojas 26 State #701H
Rig ID: Precision 612
API/UWI: 30-025-42568
Start Date: 6/2/2015
End Date: 6/23/2015

Survey Company: PDSI
Job Number: DL2554
Location: Jal, NM
State/Prov: NM
County: Lea
Field: Wolfcamp U1

HOBBS OCD
MAY 05 2016
RECEIVED

Latitude: 32.106662
Longitude: 103.537124
KB: 25.0
North Reference: Grid
Proposed Azimuth: 171.71
Declination: 6.73

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	87.20	146.00	0.03	0.64	0.06	0.34
2	332.00	0.40	101.10	331.99	-0.05	2.08	0.35	0.08
3	524.00	1.10	125.70	523.98	-1.26	4.24	1.86	0.39
4	709.00	0.70	115.20	708.95	-2.78	6.70	3.71	0.23
5	893.00	0.80	62.30	892.94	-2.66	8.86	3.91	0.37
6	1,072.00	1.90	25.40	1,071.89	0.60	11.24	1.02	0.75
7	1,263.00	1.80	16.20	1,262.79	6.34	13.43	-4.34	0.16
8	1,450.00	1.20	15.20	1,449.72	11.05	14.76	-8.81	0.32
9	1,637.00	1.10	340.00	1,636.69	14.63	14.66	-12.36	0.38
10	1,824.00	1.00	4.60	1,823.66	17.94	14.18	-15.71	0.24
11	2,011.00	0.20	318.70	2,010.65	19.82	14.10	-17.58	0.47
12	2,198.00	1.00	343.50	2,197.64	21.63	13.42	-19.47	0.44
13	2,385.00	1.70	54.40	2,384.59	24.81	15.21	-22.35	0.89
14	2,572.00	2.80	73.90	2,571.45	27.69	21.85	-24.25	0.71
15	2,759.00	3.80	70.50	2,758.14	31.02	32.08	-26.07	0.54
16	2,852.00	4.50	66.80	2,850.89	33.49	38.34	-27.61	0.81
17	2,946.00	5.00	60.90	2,944.57	36.93	45.31	-30.01	0.74
18	3,040.00	5.40	52.60	3,038.18	41.61	52.40	-33.62	0.91
19	3,133.00	6.40	47.50	3,130.69	47.77	59.70	-38.66	1.21
20	3,227.00	7.70	48.40	3,223.98	55.49	68.27	-45.07	1.39
21	3,321.00	8.40	53.30	3,317.05	63.78	78.49	-51.79	1.04
22	3,415.00	9.10	48.00	3,409.96	72.85	89.52	-59.19	1.14
23	3,508.00	10.10	42.10	3,501.66	83.83	100.45	-68.47	1.51
24	3,601.00	9.70	33.40	3,593.28	96.42	110.23	-79.52	1.66
25	3,695.00	8.40	34.30	3,686.11	108.70	118.46	-90.49	1.39
26	3,789.00	8.20	37.80	3,779.12	119.67	126.44	-100.19	0.58
27	3,883.00	7.70	37.70	3,872.22	129.95	134.40	-109.21	0.53
28	3,976.00	6.80	35.60	3,964.47	139.36	141.41	-117.51	1.01
29	4,070.00	6.00	37.00	4,057.89	147.81	147.61	-124.98	0.87
30	4,163.00	7.00	38.40	4,150.29	156.13	154.05	-132.29	1.09
31	4,256.00	8.30	40.10	4,242.46	165.70	161.90	-140.63	1.42
32	4,350.00	7.80	49.10	4,335.54	175.07	171.09	-148.57	1.44
33	4,443.00	8.40	52.40	4,427.61	183.35	181.24	-155.30	0.82
34	4,537.00	9.20	45.80	4,520.50	192.78	192.07	-163.07	1.37
35	4,631.00	9.80	40.30	4,613.22	204.12	202.63	-172.77	1.16
36	4,725.00	9.30	43.10	4,705.91	215.76	213.00	-182.80	0.73
37	4,819.00	9.10	37.10	4,798.71	227.24	222.67	-192.76	1.04
38	4,913.00	9.20	36.30	4,891.51	239.22	231.60	-203.33	0.17
39	5,006.00	8.50	15.70	4,983.43	251.84	237.86	-214.91	3.47
40	5,099.00	7.90	17.30	5,075.48	264.55	241.62	-226.95	0.69
41	5,193.00	7.30	29.40	5,168.65	275.93	246.48	-237.50	1.81
42	5,287.00	7.80	39.60	5,261.84	286.04	253.48	-246.51	1.52
43	5,380.00	8.10	40.30	5,353.95	295.90	261.74	-255.07	0.34
44	5,473.00	7.70	40.50	5,446.07	305.64	270.02	-263.51	0.43
45	5,566.00	7.00	41.50	5,538.30	314.62	277.82	-271.28	0.77
46	5,660.00	8.00	43.80	5,631.50	323.63	286.14	-278.99	1.11
47	5,752.00	7.70	42.60	5,722.64	332.79	294.75	-286.81	0.37
48	5,846.00	7.40	43.50	5,815.82	341.82	303.18	-294.53	0.34
49	5,939.00	8.20	39.20	5,907.96	351.30	311.49	-302.72	1.06

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
50	6,033.00	7.70	37.80	6,001.06	361.47	319.59	-311.61	0.57
51	6,127.00	8.20	44.00	6,094.15	371.27	328.10	-320.08	1.06
52	6,220.00	8.20	43.80	6,186.20	380.83	337.30	-328.21	0.03
53	6,312.00	7.80	43.30	6,277.31	390.11	346.13	-336.12	0.44
54	6,405.00	7.10	41.90	6,369.52	398.98	354.29	-343.72	0.78
55	6,498.00	7.70	51.00	6,461.75	407.18	362.97	-350.59	1.41
56	6,591.00	8.20	47.70	6,553.86	415.56	372.72	-357.48	0.73
57	6,685.00	8.30	38.00	6,646.89	425.42	381.86	-365.92	1.48
58	6,777.00	8.20	37.00	6,737.94	435.89	389.89	-375.12	0.19
59	6,870.00	8.00	34.70	6,830.01	446.51	397.57	-384.52	0.41
60	6,963.00	7.90	33.60	6,922.12	457.15	404.79	-394.01	0.20
61	7,057.00	7.50	33.30	7,015.27	467.66	411.73	-403.41	0.43
62	7,150.00	6.30	35.70	7,107.59	476.88	418.04	-411.62	1.33
63	7,243.00	5.80	32.60	7,200.07	484.98	423.55	-418.84	0.64
64	7,431.00	4.60	33.30	7,387.30	499.28	432.81	-431.66	0.64
65	7,616.00	4.00	38.20	7,571.78	510.56	440.87	-441.65	0.38
66	7,709.00	3.50	40.30	7,664.58	515.27	444.71	-445.77	0.56
67	7,895.00	3.20	44.50	7,850.26	523.30	452.02	-452.66	0.21
68	7,988.00	3.70	52.80	7,943.09	526.97	456.23	-455.68	0.76
69	8,081.00	5.60	57.00	8,035.78	531.25	462.43	-459.03	2.07
70	8,174.00	5.60	45.90	8,128.34	536.88	469.49	-463.58	1.16
71	8,269.00	6.10	44.20	8,222.84	543.73	476.34	-469.37	0.56
72	8,362.00	5.60	47.20	8,315.36	550.35	483.12	-474.95	0.63
73	8,456.00	5.20	44.30	8,408.94	556.52	489.46	-480.13	0.52
74	8,548.00	4.10	46.50	8,500.64	561.77	494.75	-484.56	1.21
75	8,641.00	3.80	46.10	8,593.42	566.19	499.39	-488.27	0.32
76	8,734.00	4.70	49.40	8,686.16	570.81	504.50	-492.10	1.00
77	8,828.00	4.90	45.80	8,779.83	576.11	510.30	-496.52	0.38
78	8,920.00	3.90	38.90	8,871.56	581.29	515.08	-500.95	1.23
79	9,013.00	3.30	45.10	8,964.38	585.64	518.97	-504.69	0.77
80	9,094.00	3.20	38.70	9,045.25	589.05	522.03	-507.62	0.46
81	9,188.00	4.00	28.20	9,139.06	593.99	525.22	-512.05	1.10
82	9,281.00	3.40	19.00	9,231.87	599.45	527.65	-517.11	0.91
83	9,374.00	3.10	21.80	9,324.72	604.39	529.48	-521.74	0.36
84	9,467.00	3.80	31.20	9,417.55	609.36	532.01	-526.29	0.97
85	9,560.00	3.70	34.30	9,510.35	614.48	535.30	-530.88	0.24
86	9,652.00	3.50	32.60	9,602.17	619.30	538.49	-535.19	0.25
87	9,745.00	3.90	47.70	9,694.98	623.82	542.36	-539.10	1.13
88	9,839.00	3.40	55.20	9,788.79	627.56	547.01	-542.13	0.73
89	9,932.00	2.90	67.20	9,881.65	630.05	551.44	-543.95	0.89
90	10,025.00	2.60	71.90	9,974.54	631.61	555.62	-544.90	0.40
91	10,118.00	2.80	62.50	10,067.44	633.32	559.64	-546.01	0.52
92	10,211.00	3.00	51.90	10,160.32	635.87	563.57	-547.97	0.61
93	10,304.00	1.90	45.20	10,253.23	638.46	566.58	-550.09	1.22
94	10,398.00	1.80	19.70	10,347.19	640.94	568.18	-552.32	0.87
95	10,427.00	1.70	7.10	10,376.17	641.80	568.39	-553.14	1.37
96	10,489.00	1.30	344.40	10,438.15	643.39	568.31	-554.73	1.14
97	10,582.00	1.30	318.70	10,531.13	645.20	567.33	-556.66	0.62
98	10,676.00	1.80	300.10	10,625.09	646.74	565.35	-558.47	0.75
99	10,769.00	1.60	305.00	10,718.05	648.22	563.02	-560.26	0.27
100	10,863.00	2.30	334.20	10,812.00	650.67	561.13	-562.96	1.27
101	10,955.00	3.40	336.10	10,903.88	654.82	559.22	-567.35	1.20
102	11,049.00	4.20	323.10	10,997.68	660.13	556.02	-573.06	1.25
103	11,142.00	3.40	338.40	11,090.48	665.41	552.96	-578.73	1.38
104	11,235.00	0.40	99.00	11,183.42	667.93	552.27	-581.32	3.89
105	11,327.00	2.70	132.90	11,275.39	666.40	554.17	-579.54	2.59
106	11,420.00	2.10	276.20	11,368.35	665.09	554.08	-578.25	4.90
107	11,513.00	4.40	284.50	11,461.20	666.17	548.93	-580.06	2.52
108	11,597.00	1.90	270.80	11,545.06	667.00	544.42	-581.53	3.09
109	11,692.00	0.80	98.10	11,640.05	666.93	543.50	-581.59	2.84

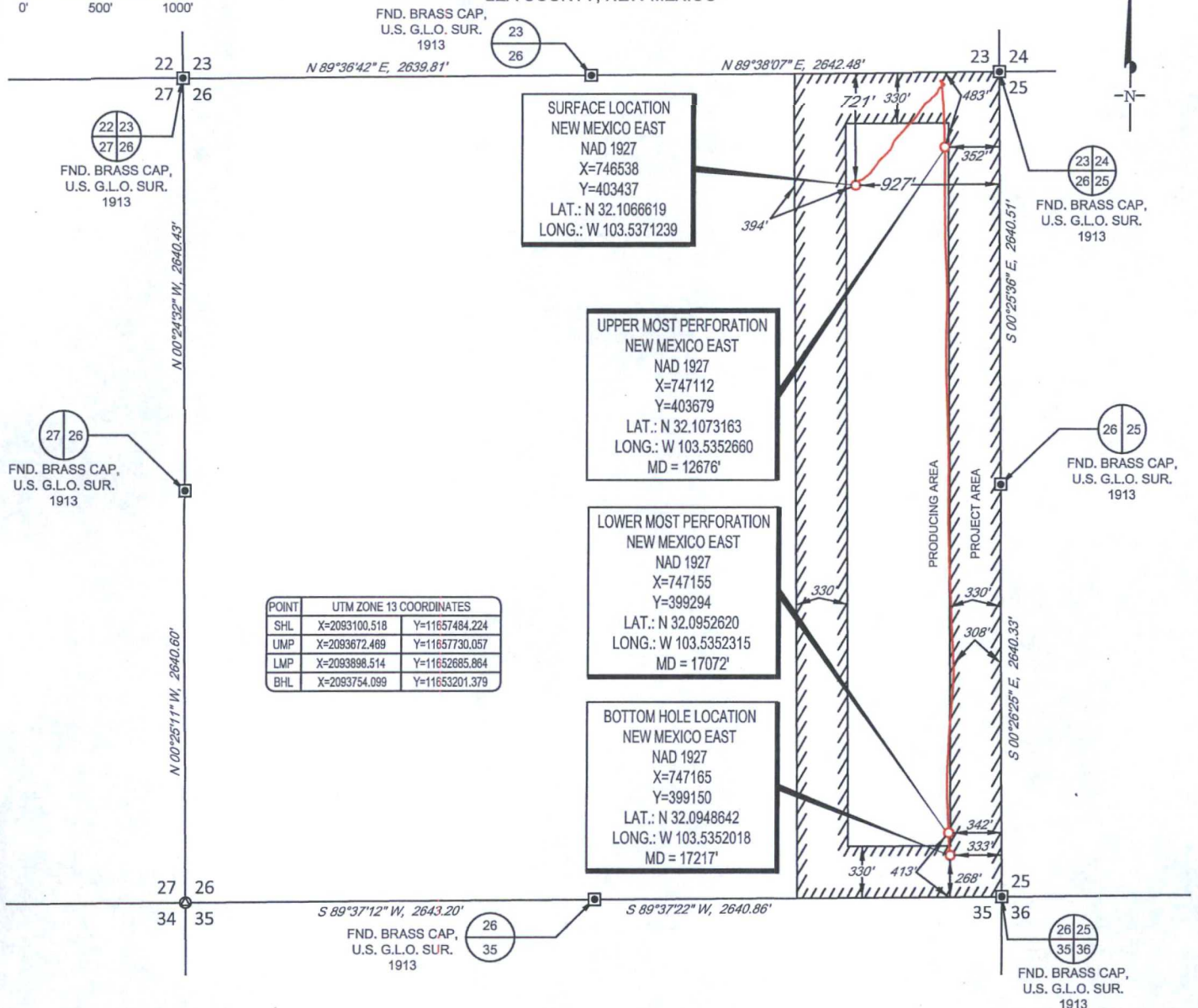
Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
110	11,786.00	1.00	23.40	11,734.04	667.59	544.48	-582.11	1.17
111	11,879.00	0.90	47.50	11,827.03	668.82	545.34	-583.21	0.44
112	11,971.00	5.50	160.50	11,918.89	665.15	547.34	-579.29	6.42
113	12,017.00	10.60	162.60	11,964.42	659.03	549.35	-572.94	11.10
114	12,064.00	15.00	168.80	12,010.25	648.94	551.82	-562.59	9.79
115	12,111.00	17.90	172.70	12,055.32	635.80	553.92	-549.29	6.60
116	12,158.00	20.10	176.00	12,099.76	620.58	555.40	-534.02	5.21
117	12,210.00	24.80	176.70	12,147.80	600.77	556.65	-514.23	9.05
118	12,257.00	29.80	175.50	12,189.56	579.27	558.14	-492.74	10.70
119	12,304.00	40.80	174.40	12,227.86	552.26	560.56	-465.67	23.44
120	12,350.00	51.40	176.00	12,259.71	519.28	563.29	-432.64	23.18
121	12,397.00	53.10	176.20	12,288.48	482.20	565.82	-395.58	3.63
122	12,443.00	55.10	178.30	12,315.46	444.99	567.60	-358.50	5.71
123	12,490.00	54.70	178.60	12,342.48	406.55	568.64	-320.32	1.00
124	12,536.00	58.40	178.80	12,367.83	368.19	569.51	-282.23	8.05
125	12,583.00	64.00	178.50	12,390.47	327.03	570.48	-241.36	11.93
126	12,629.00	65.80	177.90	12,409.98	285.39	571.79	-199.97	4.09
127	12,675.00	64.60	177.40	12,429.27	243.67	573.50	-158.44	2.79
128	12,721.00	68.60	178.80	12,447.54	201.49	574.89	-116.49	9.13
129	12,768.00	74.70	180.10	12,462.33	156.90	575.31	-72.31	13.24
130	12,811.00	83.30	180.60	12,470.53	114.73	575.05	-30.62	20.03
131	12,904.00	89.30	179.70	12,476.52	21.97	574.81	61.14	6.52
132	12,998.00	90.70	178.80	12,476.52	-72.02	576.04	154.32	1.77
133	13,092.00	88.50	178.60	12,477.18	-165.98	578.17	247.61	2.35
134	13,185.00	89.10	179.00	12,479.13	-258.94	580.12	339.88	0.78
135	13,278.00	91.30	178.60	12,478.80	-351.92	582.07	432.16	2.40
136	13,371.00	91.60	177.80	12,476.45	-444.84	584.99	524.54	0.92
137	13,465.00	88.80	176.90	12,476.12	-538.73	589.33	618.07	3.13
138	13,559.00	89.50	178.60	12,477.52	-632.64	593.02	711.54	1.96
139	13,653.00	91.50	179.70	12,476.70	-726.62	594.42	804.73	2.43
140	13,746.00	91.30	181.60	12,474.42	-819.58	593.36	896.57	2.05
141	13,841.00	89.20	181.50	12,474.01	-914.54	590.79	990.17	2.21
142	13,934.00	92.80	180.40	12,472.39	-1,007.50	589.25	1,081.93	4.05
143	14,028.00	88.30	179.30	12,471.48	-1,101.47	589.50	1,174.96	4.93
144	14,122.00	90.60	178.80	12,472.39	-1,195.44	591.06	1,268.17	2.50
145	14,215.00	90.20	177.80	12,471.74	-1,288.40	593.81	1,360.56	1.16
146	14,308.00	87.90	178.30	12,473.28	-1,381.33	596.98	1,452.97	2.53
147	14,400.00	88.90	177.80	12,475.85	-1,473.24	600.11	1,544.37	1.22
148	14,494.00	91.50	179.20	12,475.52	-1,567.19	602.57	1,637.70	3.14
149	14,588.00	89.00	178.60	12,475.11	-1,661.17	604.37	1,730.95	2.74
150	14,681.00	91.90	178.80	12,474.38	-1,754.13	606.48	1,823.25	3.13
151	14,775.00	91.00	180.60	12,472.00	-1,848.09	606.97	1,916.30	2.14
152	14,869.00	93.80	181.10	12,468.06	-1,941.99	605.58	2,009.01	3.03
153	14,961.00	92.20	179.90	12,463.25	-2,033.86	604.78	2,099.81	2.17
154	15,054.00	91.90	179.00	12,459.92	-2,126.79	605.67	2,191.90	1.02
155	15,147.00	86.20	178.50	12,461.46	-2,219.72	607.70	2,284.15	6.15
156	15,240.00	88.00	177.40	12,466.17	-2,312.54	611.02	2,376.47	2.27
157	15,334.00	88.20	177.60	12,469.29	-2,406.39	615.12	2,469.94	0.30
158	15,428.00	90.00	178.80	12,470.76	-2,500.33	618.07	2,563.32	2.30
159	15,520.00	87.10	176.90	12,473.09	-2,592.22	621.52	2,654.75	3.77
160	15,613.00	89.00	176.70	12,476.25	-2,685.02	626.71	2,747.32	2.05
161	15,705.00	94.10	178.80	12,473.77	-2,776.88	630.32	2,838.75	5.99
162	15,798.00	93.00	176.90	12,468.01	-2,869.63	633.80	2,931.03	2.36
163	15,893.00	89.50	176.20	12,465.94	-2,964.42	639.52	3,025.65	3.76
164	15,987.00	88.10	179.70	12,467.90	-3,058.32	642.88	3,119.06	4.01
165	16,081.00	88.90	180.60	12,470.37	-3,152.29	642.63	3,212.01	1.28
166	16,174.00	90.70	184.40	12,470.69	-3,245.18	638.58	3,303.34	4.52
167	16,266.00	90.00	184.30	12,470.13	-3,336.91	631.60	3,393.11	0.77
168	16,359.00	90.00	184.10	12,470.13	-3,429.66	624.79	3,483.91	0.22
169	16,451.00	91.50	183.40	12,468.92	-3,521.45	618.77	3,573.87	1.80

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS
170	16,544.00	87.20	183.00	12,469.98	-3,614.28	613.58	3,664.98	4.64
171	16,637.00	90.70	183.20	12,471.68	-3,707.11	608.56	3,756.12	3.77
172	16,729.00	91.20	180.60	12,470.16	-3,799.04	605.51	3,846.65	2.88
173	16,822.00	91.00	179.00	12,468.37	-3,892.02	605.83	3,938.70	1.73
174	16,914.00	87.80	176.40	12,469.34	-3,983.92	609.52	4,030.18	4.48
175	17,007.00	88.50	178.10	12,472.34	-4,076.76	613.98	4,122.69	1.98
176	17,100.00	90.90	177.20	12,472.82	-4,169.68	617.79	4,215.18	2.76
177	17,159.00	89.50	175.00	12,472.62	-4,228.53	621.81	4,274.00	4.42
PTB	17,218.00	89.50	175.00	12,473.13	-4,287.31	626.95	4,332.90	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 #701H
SECTION 26 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3336'
DESCRIPTION 721' FNL & 927' 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

eg resources, Inc.

Michael Blake Brown, P.S. No. 18329
APRIL 29, 2016

LOMAS ROJAS 26 STATE COM #701H AS-COMPLETED DATE: 04/12/2016 FILE: AD_LOMASROJAS26STATECOM_701H_REV1 DRAWN BY: MML SHEET: 1 OF 1	REVISION:		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.
	A.C.C.	04/29/16	