

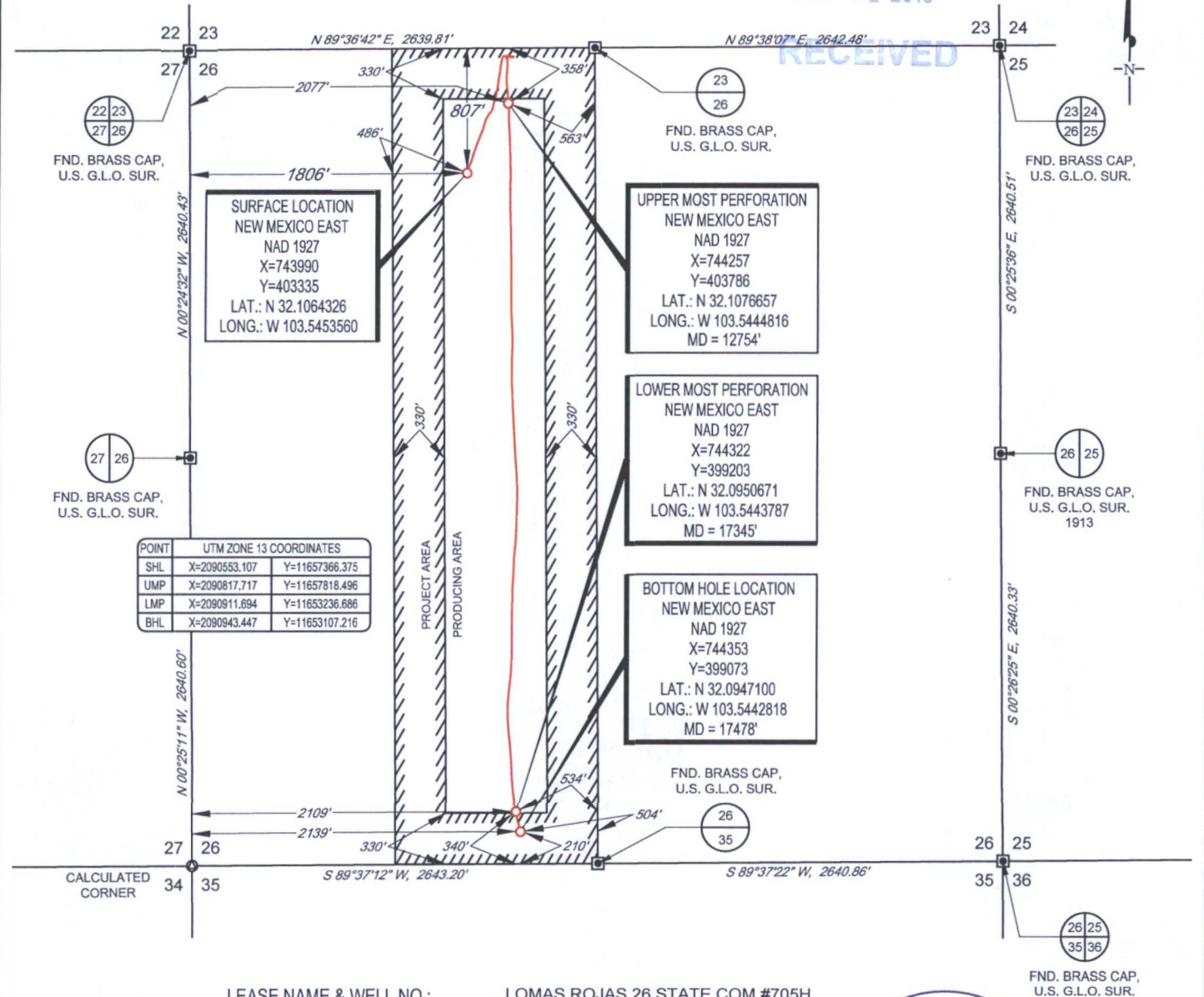
HOBBS OGD

NOV 21 2016

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SCALE: 1" = 1000'
0' 500' 1000'

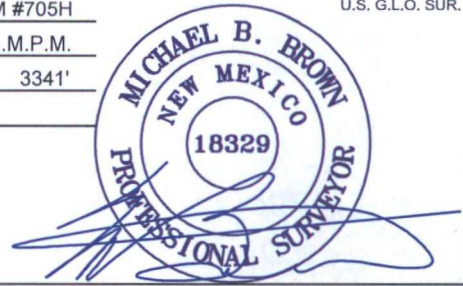
SECTION 26, TOWNSHIP 25-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: LOMAS ROJAS 26 STATE COM #705H
SECTION 26 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3341'
DESCRIPTION 807' FNL & 1806' FWL



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
AUGUST 30, 2016

LOMAS ROJAS 26 STATE COM #705H AS-COMPLETED	REVISION:	
	INT	DATE
DATE: 08/30/16		
FILE: AD_LOMASROJAS26STATECOM_705H		
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.



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Lomas Rojas 26 State Com

#705H

OH

Survey: Cresent MWD #1

EOG PVA

27 June, 2016

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EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3366.0usft (H&P 465)
Site:	Lomas Rojas 26 State Com	MD Reference:	KB = 25 @ 3366.0usft (H&P 465)
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Lomas Rojas 26 State Com		
Site Position:		Northing:	403,820.30 usft
From:	Map	Easting:	745,192.70 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 27.873 N
		Longitude:	103° 32' 29.253 W
		Grid Convergence:	0.42 °

Well	#705H					
Well Position	+N/-S	0.0 usft	Northing:	403,335.00 usft	Latitude:	32° 6' 23.158 N
	+E/-W	0.0 usft	Easting:	743,990.00 usft	Longitude:	103° 32' 43.277 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft	Ground Level:	3,341.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/26/2016	7.05	59.97	47,980

Design		OH		
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	175.85



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EOG PVA

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Site:	Lomas Rojas 26 State Com	MD Reference:	KB = 25 @ 3366.0usft (H&P 465)
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey Program		Date 6/27/2016			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
115.5	1,141.0	Gyro #1 (OH)	NSG-CT_D/P	Continuous north-seeking gyro in drillpipe	
1,336.0	17,480.0	Crescent MWD #1 (OH)	MWD	MWD - Standard	

Survey											
MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
1,141.0	0.90	233.61	1,141.0	-4.0	-2.4	0.00	0.00	0.00	-4.3	1.8	
1,336.0	2.37	2.81	1,335.9	-0.9	-3.5	1.55	0.75	66.26	1.3	3.5	
1,523.0	2.11	8.61	1,522.8	6.4	-2.8	0.18	-0.14	3.10	-2.4	4.4	
1,711.0	1.85	4.04	1,710.7	12.8	-2.0	0.16	-0.14	-2.43	-2.5	5.8	
1,899.0	3.96	34.19	1,898.4	21.2	1.8	1.35	1.12	16.04	2.0	5.1	
2,087.0	6.16	25.57	2,085.7	35.7	9.8	1.23	1.17	-4.59	-0.9	2.9	
2,275.0	8.60	21.79	2,272.1	57.8	19.4	1.32	1.30	-2.01	-7.2	1.5	
2,463.0	8.18	21.09	2,458.1	83.4	29.4	0.23	-0.22	-0.37	-13.0	0.8	
2,650.0	9.15	16.96	2,643.0	110.0	38.6	0.62	0.52	-2.21	-15.9	0.1	
2,839.0	8.79	17.84	2,829.7	138.1	47.4	0.20	-0.19	0.47	-17.2	1.5	
3,024.0	8.53	18.54	3,012.5	164.6	56.1	0.15	-0.14	0.38	-17.2	2.5	
3,210.0	10.02	22.23	3,196.1	192.7	66.6	0.86	0.80	1.98	-19.1	3.2	
3,398.0	9.50	21.27	3,381.4	222.3	78.4	0.29	-0.28	-0.51	-22.9	1.9	
3,585.0	8.79	22.06	3,566.0	249.9	89.4	0.39	-0.38	0.42	-24.6	1.3	
3,772.0	8.44	20.04	3,750.9	276.0	99.4	0.25	-0.19	-1.08	-24.6	-0.2	
3,960.0	8.35	18.10	3,936.9	301.9	108.4	0.16	-0.05	-1.03	-23.8	-0.7	
4,147.0	7.47	17.66	4,122.1	326.4	116.3	0.47	-0.47	-0.24	-21.4	0.0	
4,335.0	6.68	23.64	4,308.7	348.1	124.4	0.57	-0.42	3.18	-16.2	1.6	
4,522.0	5.63	25.92	4,494.6	366.3	132.8	0.58	-0.56	1.22	-8.2	-0.3	
4,709.0	5.72	37.96	4,680.7	381.9	142.5	0.64	0.05	6.44	0.3	-5.5	
4,896.0	5.19	51.15	4,866.8	394.6	154.8	0.73	-0.28	7.05	5.6	-17.9	



EOG Resources, Inc.
EOG PVA

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Site:	Lomas Rojas 26 State Com	MD Reference:	KB = 25 @ 3366.0usft (H&P 465)
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
5,083.0	9.94	14.32	5,052.3	415.5	165.4	3.51	2.54	-19.70	20.2	-13.5	
5,270.0	10.11	11.33	5,236.4	447.3	172.6	0.29	0.09	-1.60	16.0	-9.2	
5,451.5	9.68	13.89	5,415.2	477.7	179.4	0.34	-0.24	1.41	11.5	-6.4	
HL Crossing 5451.5' MD; 5415.2' TVD; 477.7'; 179.4'; 9.68											
5,457.0	9.67	13.97	5,420.6	478.6	179.6	0.34	-0.23	1.47	11.4	-6.3	
5,645.0	9.50	14.94	5,606.0	508.9	187.5	0.12	-0.09	0.52	8.0	-3.9	
5,830.0	8.71	13.27	5,788.7	537.3	194.6	0.45	-0.43	-0.90	6.4	-0.9	
6,017.0	8.97	9.93	5,973.4	565.4	200.4	0.31	0.14	-1.79	5.4	3.4	
6,204.0	7.56	6.76	6,158.5	592.0	204.3	0.79	-0.75	-1.70	5.7	9.2	
6,391.0	8.18	7.12	6,343.7	617.4	207.4	0.33	0.33	0.19	7.6	15.3	
6,579.0	8.62	9.93	6,529.7	644.6	211.5	0.32	0.23	1.49	8.7	20.4	
6,766.0	7.74	7.82	6,714.8	670.9	215.6	0.50	-0.47	-1.13	8.8	26.0	
6,954.0	8.35	7.73	6,901.0	696.9	219.2	0.32	0.32	-0.05	10.0	31.8	
7,141.0	7.12	8.08	7,086.3	721.9	222.7	0.66	-0.66	0.19	8.2	36.7	
7,329.0	5.80	15.20	7,273.1	742.6	226.8	0.82	-0.70	3.79	9.2	38.2	
7,516.0	3.69	43.59	7,459.4	756.0	233.4	1.66	-1.13	15.18	22.5	29.1	
7,702.0	2.37	114.25	7,645.2	758.8	241.1	1.97	-0.71	37.99	28.6	-11.4	
7,890.0	2.02	82.96	7,833.1	757.6	247.9	0.65	-0.19	-16.64	24.0	2.7	
8,080.0	2.02	84.11	8,023.0	758.4	254.5	0.02	0.00	0.61	17.3	2.3	
8,267.0	2.29	89.38	8,209.9	758.7	261.6	0.18	0.14	2.82	10.4	1.0	
8,454.0	2.55	98.61	8,396.7	758.2	269.4	0.25	0.14	4.94	2.6	-0.1	
8,640.0	2.20	99.58	8,582.5	756.9	277.0	0.19	-0.19	0.52	-5.1	0.0	
8,826.0	2.29	95.09	8,768.4	756.0	284.2	0.11	0.05	-2.41	-12.4	-0.7	
9,013.0	2.37	96.76	8,955.2	755.2	291.8	0.06	0.04	0.89	-20.0	-0.3	
9,200.0	2.11	93.86	9,142.1	754.5	299.1	0.15	-0.14	-1.55	-27.2	-1.5	
9,387.0	0.70	222.71	9,329.0	753.5	301.7	1.39	-0.75	68.90	17.0	24.8	
9,574.0	0.70	218.49	9,516.0	751.7	300.2	0.03	0.00	-2.26	12.8	25.9	



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3366.0usft (H&P 465)
Site:	Lomas Rojas 26 State Com	MD Reference:	KB = 25 @ 3366.0usft (H&P 465)
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,761.0	0.79	221.13	9,703.0	749.9	298.7	0.05	0.05	1.41	11.6	25.3	
9,947.0	1.23	232.47	9,889.0	747.7	296.3	0.26	0.24	6.10	13.1	22.8	
10,135.0	1.85	292.14	10,076.9	747.6	291.9	0.86	0.33	31.74	22.2	2.0	
10,323.0	1.49	271.14	10,264.9	748.8	286.6	0.37	-0.19	-11.17	14.8	8.7	
10,511.0	2.11	305.59	10,452.8	750.9	281.3	0.65	0.33	18.32	11.6	0.2	
10,697.0	2.02	305.77	10,638.6	754.8	275.9	0.05	-0.05	0.10	4.9	0.2	
10,883.0	2.02	296.28	10,824.5	758.1	270.3	0.18	0.00	-5.10	-1.7	0.5	
11,070.0	1.32	251.36	11,011.5	758.9	265.3	0.76	-0.37	-24.02	-6.0	-3.2	
11,177.0	1.93	161.28	11,118.4	756.8	264.7	2.19	0.57	-84.19	1.4	-7.2	
11,365.0	3.87	191.95	11,306.2	747.6	264.4	1.29	1.03	16.31	-11.6	-5.3	
11,552.0	3.87	278.26	11,492.9	742.3	256.9	2.83	0.00	46.16	-12.7	17.5	
11,739.0	0.88	359.56	11,679.7	744.7	250.6	2.05	-1.60	43.48	13.0	21.5	
11,926.0	1.85	39.99	11,866.7	748.4	252.5	0.70	0.52	21.62	19.7	8.9	
12,114.0	2.11	32.16	12,054.6	753.7	256.3	0.20	0.14	-4.16	11.9	11.1	
12,161.0	1.76	43.59	12,101.5	754.9	257.3	1.11	-0.74	24.32	12.2	8.7	
12,208.0	2.02	97.55	12,148.5	755.4	258.6	3.68	0.55	114.81	13.2	-2.5	
12,255.0	5.19	163.21	12,195.4	753.2	260.0	10.06	6.74	139.70	7.4	-10.3	
12,301.0	10.11	176.92	12,241.0	747.2	260.8	11.33	10.70	29.80	10.7	-10.8	
12,348.0	17.06	179.47	12,286.7	736.2	261.1	14.84	14.79	5.43	16.5	-11.1	
12,395.0	21.28	181.05	12,331.1	720.7	261.0	9.05	8.98	3.36	23.1	-11.9	
12,442.0	27.44	181.14	12,373.9	701.3	260.7	13.11	13.11	0.19	30.7	-12.6	
12,489.0	33.24	181.31	12,414.4	677.6	260.2	12.34	12.34	0.36	38.4	-13.4	
12,536.0	42.38	185.80	12,451.5	648.9	258.3	20.30	19.45	9.55	44.0	-17.8	
12,583.0	54.78	182.02	12,482.5	613.8	256.0	27.05	26.38	-8.04	47.3	-18.2	
12,631.0	68.76	176.48	12,505.2	571.7	256.7	30.83	29.12	-11.54	44.6	-15.7	
12,702.0	83.36	173.23	12,522.3	503.2	262.9	21.03	20.56	-4.58	30.9	-10.0	



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Lomas Rojas 26 State Com
Well: #705H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3366.0usft (H&P 465)
MD Reference: KB = 25 @ 3366.0usft (H&P 465)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,727.0	85.65	174.45	12,524.7	478.5	265.5	10.38	9.16	4.89	25.0	-8.0
FTP(LR 26 ST Com #705H)										
12,727.8	85.72	174.49	12,524.7	477.7	265.6	10.38	9.17	4.87	24.8	-7.9
HL Crossing 12727.8' MD; 12524.7' TVD; 477.7'; 265.6'; 85.72										
12,796.0	91.98	177.80	12,526.1	409.7	270.2	10.38	9.17	4.85	10.8	-4.3
12,889.0	92.42	177.10	12,522.5	316.9	274.3	0.89	0.47	-0.75	2.8	-0.8
12,983.0	88.99	177.45	12,521.4	223.0	278.8	3.67	-3.65	0.37	1.8	3.0
13,076.0	90.75	178.41	12,521.6	130.1	282.2	2.16	1.89	1.03	2.1	5.6
13,169.0	88.81	178.85	12,521.9	37.1	284.4	2.14	-2.09	0.47	2.6	7.2
13,263.0	91.71	181.23	12,521.5	-56.9	284.3	3.99	3.09	2.53	2.4	6.5
13,357.0	89.96	180.88	12,520.1	-150.8	282.6	1.90	-1.86	-0.37	1.1	4.1
13,457.0	86.97	178.24	12,522.8	-250.8	283.4	3.99	-2.99	-2.64	4.0	4.1
13,551.0	87.23	178.41	12,527.6	-344.6	286.1	0.33	0.28	0.18	8.8	6.2
13,644.0	88.37	178.41	12,531.1	-437.5	288.7	1.23	1.23	0.00	12.6	8.1
13,738.0	88.99	178.85	12,533.3	-531.5	290.9	0.81	0.66	0.47	14.9	9.7
13,831.0	90.31	180.08	12,533.9	-624.5	291.8	1.94	1.42	1.32	15.6	9.8
13,925.0	90.31	182.72	12,533.4	-718.4	289.5	2.81	0.00	2.81	15.2	6.9
14,018.0	89.25	177.01	12,533.7	-811.4	289.7	6.24	-1.14	-6.14	15.7	6.4
14,111.0	90.13	179.29	12,534.2	-904.3	292.7	2.63	0.95	2.45	16.4	8.8
14,204.0	90.66	176.39	12,533.6	-997.2	296.2	3.17	0.57	-3.12	15.9	11.6
14,297.0	91.63	179.03	12,531.7	-1,090.1	299.9	3.02	1.04	2.84	14.1	14.6
14,391.0	90.84	183.69	12,529.7	-1,184.1	297.7	5.03	-0.84	4.96	12.3	11.7
14,484.0	90.84	180.26	12,528.3	-1,277.0	294.5	3.69	0.00	-3.69	11.0	7.9
14,578.0	86.97	176.57	12,530.1	-1,370.9	297.1	5.69	-4.12	-3.93	12.9	9.8
14,671.0	88.46	177.62	12,533.8	-1,463.7	301.8	1.96	1.60	1.13	16.8	13.8
14,689.6	88.81	177.69	12,534.3	-1,482.2	302.6	1.93	1.89	0.38	17.3	14.5
TGT#1(LR 26 ST Com #705H)										



EOG Resources, Inc.
EOG PVA

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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14,764.0	90.22	177.97	12,534.9	-1,556.6	305.4	1.93	1.89	0.38	18.4	16.7
14,858.0	88.64	176.22	12,535.8	-1,650.5	310.2	2.51	-1.68	-1.86	20.1	20.8
14,952.0	91.01	176.30	12,536.1	-1,744.3	316.3	2.52	2.52	0.09	21.2	26.2
15,045.0	92.68	177.18	12,533.1	-1,837.1	321.6	2.03	1.80	0.95	19.0	30.9
15,138.0	91.28	174.55	12,529.9	-1,929.8	328.3	3.20	-1.51	-2.83	16.6	36.9
15,232.0	94.26	179.12	12,525.4	-2,023.5	333.5	5.80	3.17	4.86	12.7	41.4
15,326.0	92.33	180.79	12,520.0	-2,117.3	333.5	2.71	-2.05	1.78	8.0	40.8
15,419.0	89.52	181.05	12,518.5	-2,210.3	332.0	3.03	-3.02	0.28	7.3	38.7
15,512.0	90.04	182.54	12,518.8	-2,303.2	329.1	1.70	0.56	1.60	8.4	35.1
15,606.0	90.92	184.48	12,518.0	-2,397.1	323.4	2.27	0.94	2.06	8.3	28.7
15,699.0	91.54	184.83	12,516.0	-2,489.7	315.8	0.77	0.67	0.38	7.0	20.5
15,793.0	88.99	182.81	12,515.6	-2,583.5	309.6	3.46	-2.71	-2.15	7.4	13.5
15,887.0	89.08	181.93	12,517.2	-2,677.4	305.7	0.94	0.10	-0.94	9.7	8.9
15,981.0	88.81	180.88	12,518.9	-2,771.4	303.4	1.15	-0.29	-1.12	12.2	6.0
16,074.0	90.48	183.34	12,519.5	-2,864.3	300.0	3.20	1.80	2.65	13.5	1.9
16,167.0	89.69	177.10	12,519.4	-2,957.2	299.6	6.76	-0.85	-6.71	14.1	0.8
16,196.1	90.35	177.98	12,519.4	-2,986.3	300.8	3.78	2.27	3.02	14.4	1.9
TGT#2(LR 26 ST Com #705H)										
16,260.0	91.80	179.91	12,518.2	-3,050.2	302.0	3.78	2.27	3.02	13.9	2.6
16,353.0	90.57	182.19	12,516.2	-3,143.1	300.3	2.79	-1.32	2.45	13.1	0.2
16,447.0	90.48	184.92	12,515.4	-3,236.9	294.5	2.91	-0.10	2.90	13.4	-6.2
16,540.0	90.84	185.80	12,514.3	-3,329.5	285.8	1.02	0.39	0.95	13.4	-15.6
16,633.0	90.92	184.57	12,512.9	-3,422.1	277.4	1.33	0.09	-1.32	13.1	-24.7
16,729.0	90.13	177.89	12,512.0	-3,518.1	275.3	7.01	-0.82	-6.96	13.3	-27.4
16,823.0	91.89	173.93	12,510.3	-3,611.8	282.0	4.61	1.87	-4.21	12.8	-21.4
16,917.0	89.78	174.02	12,509.0	-3,705.2	291.9	2.25	-2.24	0.10	12.6	-12.2
17,011.0	89.78	178.77	12,509.3	-3,799.0	297.8	5.05	0.00	5.05	14.0	-7.0



EOG Resources, Inc.

EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Lomas Rojas 26 State Com
Well: #705H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25 @ 3366.0usft (H&P 465)
MD Reference: KB = 25 @ 3366.0usft (H&P 465)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,104.0	89.96	177.10	12,509.5	-3,892.0	301.2	1.81	0.19	-1.80	15.3	-4.3
17,197.0	90.13	172.79	12,509.5	-3,984.6	309.4	4.64	0.18	-4.63	16.4	3.2
17,291.0	91.28	171.03	12,508.3	-4,077.6	322.6	2.24	1.22	-1.87	16.5	15.6
17,356.3	90.23	167.64	12,507.4	-4,141.8	334.7	5.44	-1.61	-5.19	16.5	27.2
HL Crossing 17356.3' MD; 12507.4' TVD; -4141.8'; 334.7'; 90.23										
17,384.0	89.78	166.20	12,507.4	-4,168.8	340.9	5.44	-1.61	-5.19	16.9	33.3
Last MWD Survey										
17,447.2	89.78	166.20	12,507.7	-4,230.1	356.0	0.00	0.00	0.00	18.0	47.9
PBHL(LR 26 ST Com #705H)										
17,480.0	89.78	166.20	12,507.8	-4,262.0	363.8	0.00	0.00	0.00	20.9	58.3
Projection to Bit										

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,451.5	5,415.2	477.7	179.4	HL Crossing 5451.5' MD; 5415.2' TVD; 477.7'; 179.4'; 9.68
12,727.8	12,524.7	477.7	265.6	HL Crossing 12727.8' MD; 12524.7' TVD; 477.7'; 265.6'; 85.72
17,356.3	12,507.4	-4,141.8	334.7	HL Crossing 17356.3' MD; 12507.4' TVD; -4141.8'; 334.7'; 90.23
17,384.0	12,507.4	-4,168.8	340.9	Last MWD Survey
17,480.0	12,507.8	-4,262.0	363.8	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____