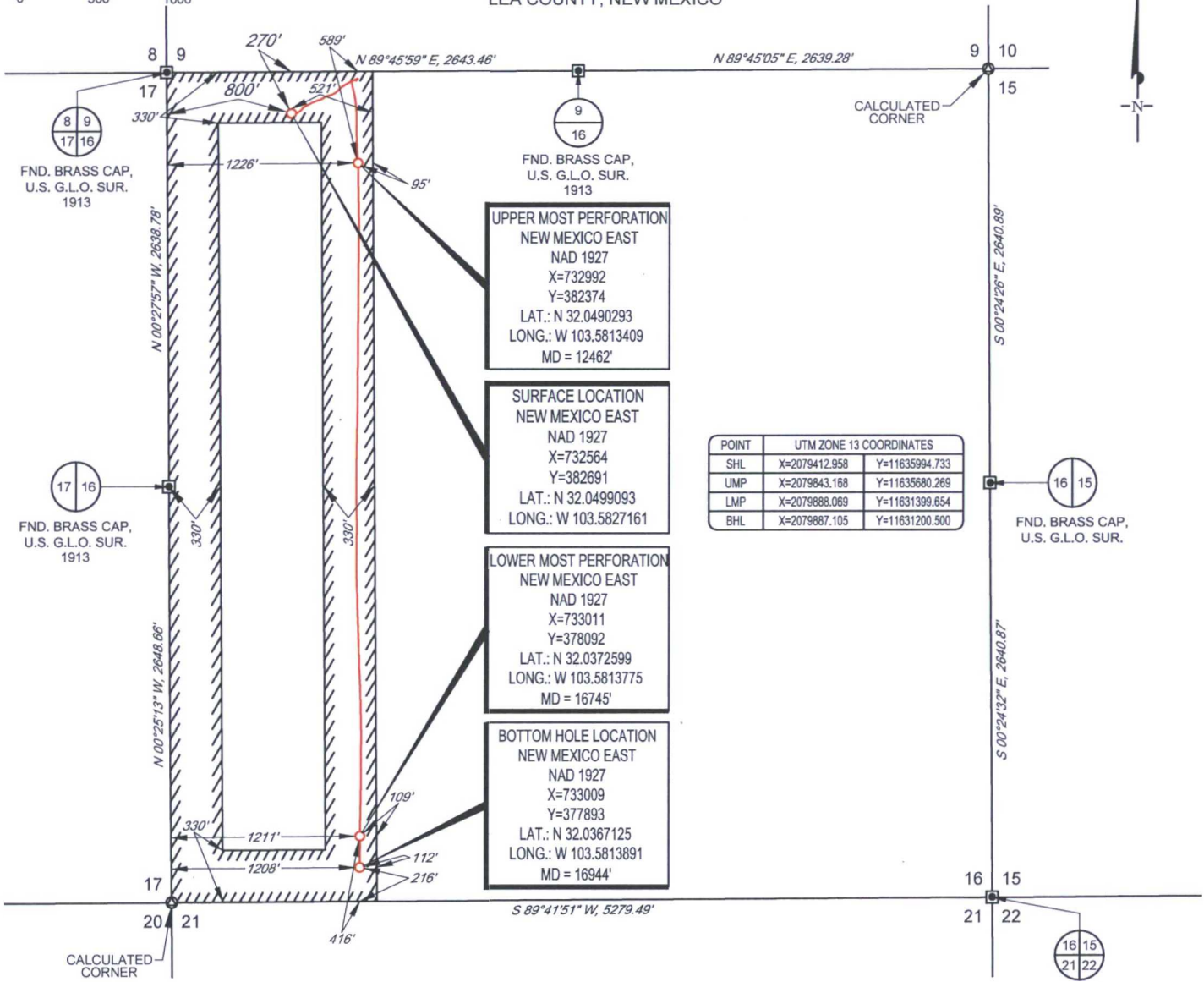


SCALE: 1" = 1000'

SECTION 16 TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: BRASWELL 16 STATE #707H
 SECTION 16 TWP 26-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3280'
 DESCRIPTION 270' FNL & 800' FWL



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
 FEBRUARY 6, 2017

BRASWELL 16 STATE
 #707H
 AS-COMPLETED

REVISION:

DATE: 12/28/16

FILE: AD_BRASWELL16STATE_707H

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 19 27.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Lea County, NM (NAD 27 NME)
Braswell 16 State #707H
H&P 651
Plan #1

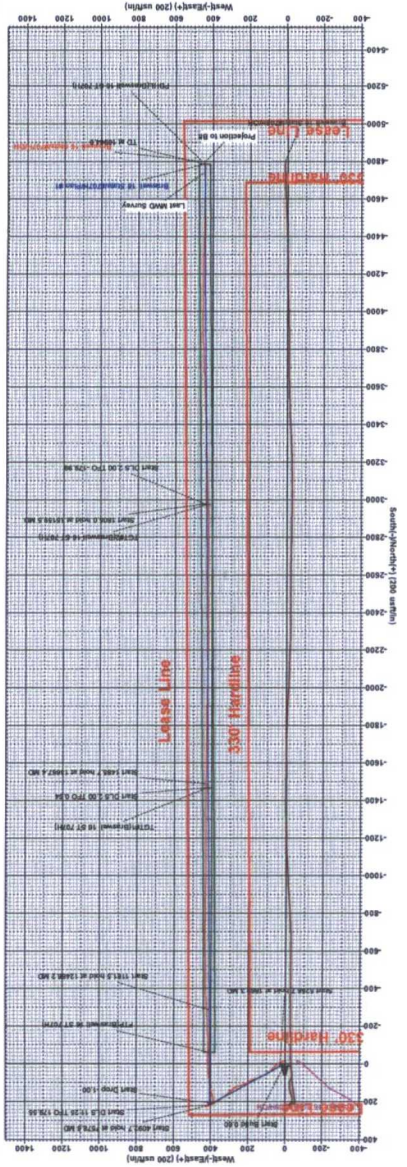
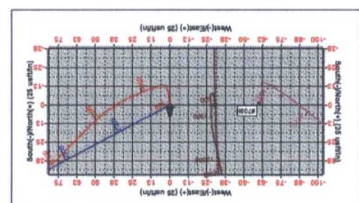
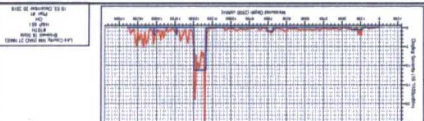
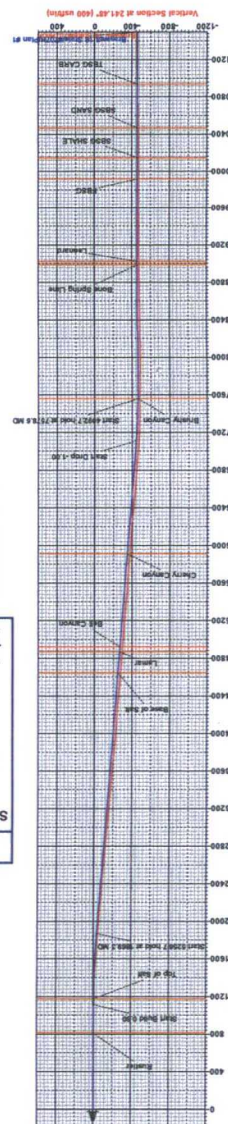
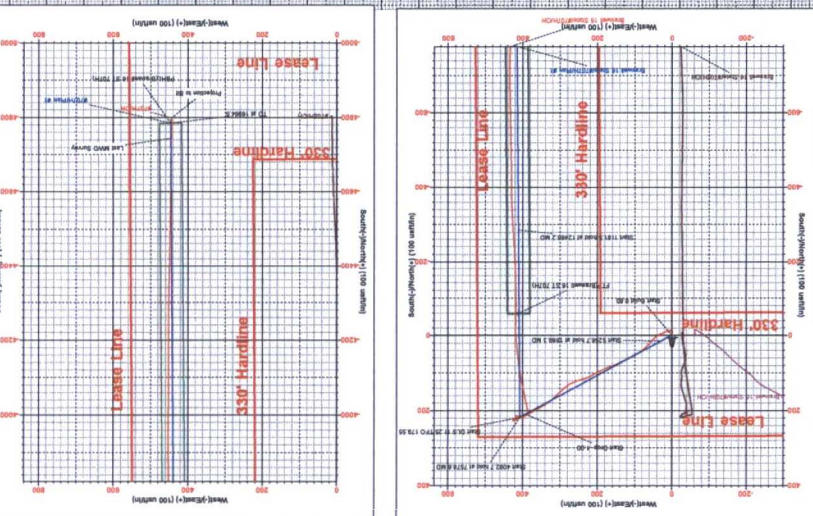
PROJECT DETAILS: Lea County, NM (NAD 27 NME)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
System Datum: Mean Sea Level
Zone: New Mexico East 3001

WELL DETAILS: #707H
Ground Level: 3280.0
KB +25 @ 3305.0ush (H&P 651)
Easting: 73264.00
Northing: 382691.00
Latitude: 32° 2' 55.57" N
Longitude: 103° 34' 57.78" W

Diagram showing magnetic field strength and declination. True North: 0.40°
Magnetic North: 0.51°
Magnetic Field Strength: 47888.457
Date: 12/7/2015
Cip Angle: 69.91°
Model: IGRF2015

SECTION DETAILS	MD	Inc	Azi	TVD	+N/S	+E/W	Dieg	TFace	Vsect	Target
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	1115.0	0.0	0.0	1115.0	0.0	0.0	0.0	0.0	0.0	
3	1869.3	61.84	1868.5	14.1	26.3	0.0	61.84	0.0	-11.6	
4	7126.1	4.53	61.84	7108.9	209.8	391.9	0.0	0.0	-172.5	
5	1678.6	0.0	0.0	1678.6	0.0	0.0	0.0	0.0	-179.4	
6	11671.3	0.0	0.0	11653.7	218.3	407.7	1.0	180.0	-179.4	
7	12466.2	89.42	179.55	12163.0	-285.8	411.7	11.25	179.55	322.9	
8	13667.4	89.81	179.55	12175.1	-1487.0	421.0	0.0	0.0	1500.0	TGT#1(Braswell 16 ST 707H)
9	13667.4	89.81	179.55	12175.1	-1487.0	421.0	0.0	0.0	1519.7	TGT#2(Braswell 16 ST 707H)
10	15153.1	89.81	179.55	12180.0	-2972.6	432.8	2.00	0.0	3000.0	TGT#3(Braswell 16 ST 707H)
11	15159.5	89.68	179.55	12180.0	-2979.0	432.9	2.00	-179.99	3006.4	
12	16964.6	89.58	179.55	12190.0	-4784.0	447.0	0.0	0.0	4804.8	PBH(Braswell 16 ST 707H)

CASING DETAILS	Name	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)
1	TGT#1(Braswell 16 ST 707H)	12175.0	3711.0	12175.0	3711.0	12175.0	3711.0	12175.0	3711.0	12175.0	3711.0
2	TGT#2(Braswell 16 ST 707H)	12180.0	3712.0	12180.0	3712.0	12180.0	3712.0	12180.0	3712.0	12180.0	3712.0
3	PBH(Braswell 16 ST 707H)	12190.0	3715.0	12190.0	3715.0	12190.0	3715.0	12190.0	3715.0	12190.0	3715.0
4	FIP(Braswell 16 ST 707H)	12190.0	3715.0	12190.0	3715.0	12190.0	3715.0	12190.0	3715.0	12190.0	3715.0





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Braswell 16 State

#707H

OH

Survey: Pro MWD #1

EOG PVA

20 December, 2016

HOBBBS OCD
MAR 21 2017
RECEIVED



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB +25 @ 3305.0usft (H&P 651)
Site:	Braswell 16 State	MD Reference:	KB +25 @ 3305.0usft (H&P 651)
Well:	#707H	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	Braswell 16 State		
Site Position:		Northing:	378,303.00 usft
From:	Map	Easting:	736,347.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 15.991 N
		Longitude:	103° 34' 14.187 W
		Grid Convergence:	0.40 °

Well	#707H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 2' 59.677 N
		Longitude:	103° 34' 57.780 W
		Ground Level:	3,280.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	12/7/2016	7.00
			Dip Angle (°)
			59.91
			Field Strength (nT)
			47,888

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)
	0.0	0.0	0.0
		Direction (°)	174.66

Survey Program	Date	12/20/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.0	16,945.0	Pro MWD #1 (OH)	MWD	MWD - Standard



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Braswell 16 State
Well: #707H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #707H
TVD Reference: KB +25 @ 3305.0usft (H&P 651)
MD Reference: KB +25 @ 3305.0usft (H&P 651)
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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
200.0	0.20	184.00	200.0	-0.3	0.0	0.10	0.10	0.00	-0.3	0.0	
341.0	0.50	176.40	341.0	-1.2	0.0	0.21	0.21	-5.39	-1.2	-0.1	
520.0	0.50	143.20	520.0	-2.6	0.5	0.16	0.00	-18.55	-2.4	-1.2	
674.0	0.80	181.30	674.0	-4.2	0.9	0.33	0.19	24.74	-4.2	1.0	
858.0	1.00	170.90	858.0	-7.1	1.1	0.14	0.11	-5.65	-7.2	0.0	
1,004.0	1.20	160.10	1,003.9	-9.8	1.8	0.20	0.14	-7.40	-9.8	-1.6	
1,132.0	1.10	167.80	1,131.9	-12.3	2.6	0.14	-0.08	6.02	-12.5	-0.1	
1,223.0	1.80	85.90	1,222.9	-13.0	4.2	2.17	0.77	-90.00	-2.7	-13.5	
1,315.0	2.50	76.00	1,314.8	-12.4	7.6	0.86	0.76	-10.76	-2.3	-14.4	
1,411.0	4.30	68.30	1,410.6	-10.6	12.9	1.93	1.87	-8.02	-3.5	-15.1	
1,507.0	4.30	67.00	1,506.4	-7.8	19.6	0.10	0.00	-1.35	-7.0	-15.6	
1,603.0	4.00	66.30	1,602.1	-5.1	26.0	0.32	-0.31	-0.73	-9.3	-16.1	
1,699.0	3.60	65.80	1,697.9	-2.5	31.8	0.42	-0.42	-0.52	-10.2	-16.5	
1,890.0	4.30	51.80	1,888.5	4.4	42.9	0.62	0.37	-7.33	-5.5	-17.6	
2,082.0	5.00	45.20	2,079.8	14.7	54.5	0.46	0.36	-3.44	-4.5	-14.6	
2,274.0	4.80	42.90	2,271.1	26.5	65.9	0.15	-0.10	-1.20	-5.9	-10.2	
2,466.0	4.80	45.50	2,462.5	38.0	77.1	0.11	0.00	1.35	-7.9	-5.3	
2,658.0	5.20	60.50	2,653.7	47.9	90.4	0.71	0.21	7.81	-10.3	-0.6	
2,849.0	4.60	61.00	2,844.0	55.9	104.6	0.31	-0.31	0.26	-11.6	-0.2	
3,041.0	5.30	64.30	3,035.3	63.5	119.3	0.39	0.36	1.72	-13.0	0.2	
3,233.0	4.50	62.50	3,226.6	70.8	134.0	0.42	-0.42	-0.94	-14.2	-0.7	
3,425.0	5.40	67.90	3,417.9	77.7	149.1	0.53	0.47	2.81	-15.7	-0.2	
3,618.0	5.80	71.20	3,610.0	84.3	166.7	0.27	0.21	1.71	-19.5	-1.3	
3,810.0	5.70	65.90	3,801.0	91.3	184.6	0.28	-0.05	-2.76	-23.4	-5.0	
4,002.0	4.40	61.10	3,992.3	98.7	199.7	0.71	-0.68	-2.50	-24.6	-7.6	
4,193.0	3.70	58.40	4,182.8	105.5	211.4	0.38	-0.37	-1.41	-22.7	-8.1	



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB +25 @ 3305.0usft (H&P 651)
Site:	Braswell 16 State	MD Reference:	KB +25 @ 3305.0usft (H&P 651)
Well:	#707H	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)
4,385.0	5.00	66.00	4,374.2	112.1	224.3	0.74	0.68	3.96	-23.0	-5.4
4,576.0	5.10	79.10	4,564.5	117.1	240.3	0.60	0.05	6.86	-25.8	-2.6
4,768.0	4.80	68.50	4,755.8	121.7	256.1	0.50	-0.16	-5.52	-26.2	-10.6
4,960.0	3.60	65.50	4,947.3	127.1	269.1	0.64	-0.62	-1.56	-24.6	-13.4
5,152.0	4.20	53.20	5,138.8	133.8	280.2	0.53	0.31	-6.41	-19.1	-17.3
5,344.0	5.60	48.50	5,330.1	144.3	292.8	0.76	0.73	-2.45	-19.3	-15.9
5,534.0	5.00	46.30	5,519.3	156.1	305.8	0.33	-0.32	-1.16	-21.8	-13.0
5,726.0	4.30	44.10	5,710.7	167.1	316.8	0.38	-0.36	-1.15	-22.4	-9.5
5,918.0	4.00	55.20	5,902.2	176.1	327.3	0.45	-0.16	5.78	-22.5	-1.9
6,110.0	3.70	55.00	6,093.7	183.4	337.9	0.16	-0.16	-0.10	-20.3	-0.2
6,302.0	6.00	60.70	6,285.0	191.9	351.7	1.22	1.20	2.97	-21.3	2.8
6,494.0	4.80	62.40	6,476.2	200.5	367.6	0.63	-0.62	0.89	-24.1	3.5
6,696.0	3.90	58.50	6,677.6	208.1	381.0	0.47	-0.45	-1.93	-23.7	2.2
6,878.0	4.00	63.00	6,859.2	214.2	391.9	0.18	0.05	2.47	-21.6	4.3
7,071.0	4.80	70.60	7,051.6	219.9	405.5	0.51	0.41	3.94	-20.6	5.7
7,262.0	2.20	63.00	7,242.2	224.2	416.3	1.38	-1.36	-3.98	-19.2	1.6
7,454.0	0.40	68.10	7,434.2	226.1	420.2	0.94	-0.94	2.66	-15.9	2.8
7,646.0	1.00	77.40	7,626.2	226.8	422.5	0.32	0.31	4.84	-16.3	5.1
7,838.0	1.20	76.00	7,818.1	227.6	426.1	0.11	0.10	-0.73	-20.1	4.6
8,030.0	0.50	242.90	8,010.1	227.7	427.3	0.88	-0.36	86.93	21.7	0.5
8,223.0	0.50	258.20	8,203.1	227.2	425.7	0.07	0.00	7.93	19.4	-5.0
8,415.0	0.60	217.00	8,395.1	226.2	424.3	0.21	0.05	-21.46	16.3	8.5
8,607.0	1.10	235.10	8,587.1	224.3	422.2	0.29	0.26	9.43	15.3	3.3
8,799.0	0.40	214.70	8,779.1	222.7	420.3	0.38	-0.36	-10.62	10.8	7.8
8,991.0	1.60	202.40	8,971.0	219.7	418.9	0.63	0.62	-6.41	5.6	9.8
9,183.0	0.60	210.00	9,163.0	216.3	417.3	0.53	-0.52	3.96	3.2	9.3
9,374.0	1.10	171.10	9,354.0	213.7	417.1	0.39	0.26	-20.37	-6.0	8.6



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Braswell 16 State
Well: #707H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #707H
TVD Reference: KB +25 @ 3305.0usft (H&P 651)
MD Reference: KB +25 @ 3305.0usft (H&P 651)
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)
9,567.0	0.80	27.10	9,547.0	213.0	418.0	0.94	-0.16	-74.61	0.0	-11.6
9,759.0	0.60	314.40	9,738.9	214.9	417.9	0.44	-0.10	-37.86	9.6	-4.8
9,951.0	0.20	355.70	9,930.9	216.0	417.2	0.24	-0.21	21.51	3.0	-9.3
10,143.0	0.40	93.60	10,122.9	216.3	417.8	0.25	0.10	50.99	-10.2	-1.4
10,335.0	1.10	269.80	10,314.9	216.2	416.6	0.78	0.36	91.77	8.9	2.1
10,526.0	0.90	275.60	10,505.9	216.4	413.3	0.12	-0.10	3.04	5.8	1.4
10,720.0	1.10	265.80	10,699.9	216.4	409.9	0.14	0.10	-5.05	2.1	2.1
10,912.0	1.00	260.60	10,891.8	216.0	406.4	0.07	-0.05	-2.71	-1.6	2.1
11,104.0	1.50	255.20	11,083.8	215.0	402.4	0.27	0.26	-2.81	-6.0	1.8
11,296.0	1.70	262.50	11,275.7	214.0	397.1	0.15	0.10	3.80	-11.1	2.8
11,413.0	2.20	256.00	11,392.6	213.3	393.2	0.47	0.43	-5.56	-15.3	1.4
11,518.0	2.30	253.30	11,497.6	212.2	389.2	0.14	0.10	-2.57	-19.4	0.5
11,614.0	1.10	236.00	11,593.5	211.1	386.6	1.35	-1.25	-18.02	-21.5	-5.8
11,710.0	10.10	172.10	11,689.0	202.2	387.0	10.07	9.37	-66.56	-11.8	-22.5
11,758.0	21.90	167.00	11,735.1	189.3	389.6	24.73	24.58	-10.62	-17.4	-22.7
11,807.0	25.40	167.70	11,779.9	170.1	393.9	7.17	7.14	1.43	-27.6	-20.2
11,855.0	28.60	168.00	11,822.7	148.8	398.5	6.67	6.67	0.62	-35.5	-16.7
11,902.0	32.20	168.60	11,863.2	125.5	403.3	7.69	7.66	1.28	-41.5	-12.4
11,950.0	34.90	171.40	11,903.2	99.4	407.9	6.48	5.62	5.83	-45.5	-6.2
11,998.0	38.00	172.70	11,941.8	71.2	411.8	6.66	6.46	2.71	-46.6	-1.4
12,046.0	41.90	173.30	11,978.6	40.6	415.6	8.16	8.12	1.25	-45.4	2.9
12,094.0	46.40	176.20	12,013.1	7.3	418.6	10.27	9.37	6.04	-42.6	7.7
12,142.0	50.10	181.10	12,045.0	-28.5	419.4	10.83	7.71	10.21	-37.9	10.4
12,190.0	54.60	181.10	12,074.3	-66.5	418.7	9.37	9.37	0.00	-32.4	9.2
12,232.4	58.48	180.03	12,097.7	-101.8	418.3	9.40	9.17	-2.51	-26.6	8.3
FTP(Braswell 16 ST 707H)										
12,238.0	59.00	179.90	12,100.6	-106.6	418.3	9.40	9.18	-2.39	-25.8	8.2



EOG Resources, Inc.

EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Braswell 16 State
Well: #707H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #707H
TVD Reference: KB +25 @ 3305.0usft (H&P 651)
MD Reference: KB +25 @ 3305.0usft (H&P 651)
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)
12,286.0	63.90	177.10	12,123.6	-148.7	419.5	11.42	10.21	-5.83	-18.5	8.7
12,334.0	67.40	177.30	12,143.3	-192.4	421.6	7.30	7.29	0.42	-9.9	10.6
12,382.0	74.70	177.70	12,158.9	-237.7	423.6	15.23	15.21	0.83	-1.4	12.3
12,430.0	83.50	175.50	12,168.0	-284.7	426.4	18.88	18.33	-4.58	4.9	14.7
12,478.0	88.80	177.60	12,171.2	-332.5	429.3	11.87	11.04	4.37	7.8	17.2
12,516.0	89.90	178.90	12,171.6	-370.5	430.4	4.48	2.89	3.42	7.8	18.1
12,612.0	89.60	179.50	12,172.1	-466.5	431.8	0.70	-0.31	0.62	7.2	18.6
12,708.0	88.90	179.10	12,173.3	-562.5	432.9	0.84	-0.73	-0.42	7.5	19.1
12,804.0	88.30	178.80	12,175.7	-658.4	434.7	0.70	-0.62	-0.31	8.9	20.1
12,900.0	91.30	181.40	12,176.0	-754.4	434.5	4.14	3.12	2.71	8.2	19.1
12,996.0	89.40	180.00	12,175.4	-850.4	433.3	2.46	-1.98	-1.46	6.7	17.2
13,092.0	89.00	180.30	12,176.8	-946.4	433.1	0.52	-0.42	0.31	7.1	16.2
13,188.0	90.20	181.20	12,177.4	-1,042.4	431.8	1.56	1.25	0.94	6.7	14.2
13,283.0	88.40	179.60	12,178.6	-1,137.4	431.2	2.53	-1.89	-1.68	6.9	12.8
13,380.0	91.80	180.30	12,178.4	-1,234.3	431.3	3.58	3.51	0.72	5.8	12.1
13,476.0	90.90	180.40	12,176.2	-1,330.3	430.7	0.94	-0.94	0.10	2.5	10.7
13,572.0	90.20	179.90	12,175.2	-1,426.3	430.4	0.90	-0.73	-0.52	0.6	9.7
13,612.9	89.65	179.86	12,175.3	-1,467.2	430.5	1.36	-1.35	-0.10	0.3	9.5
TGT#1(Braswell 16 ST 707H)										
13,668.0	88.90	179.80	12,176.0	-1,522.3	430.7	1.36	-1.35	-0.10	0.7	9.2
13,764.0	89.40	180.90	12,177.4	-1,618.3	430.1	1.26	0.52	1.15	1.8	7.9
13,860.0	89.20	180.40	12,178.6	-1,714.3	429.0	0.56	-0.21	-0.52	2.7	6.0
13,956.0	89.10	180.00	12,180.0	-1,810.3	428.7	0.43	-0.10	-0.42	3.8	4.9
14,052.0	88.90	180.60	12,181.7	-1,906.3	428.2	0.66	-0.21	0.62	5.2	3.7
14,148.0	89.40	181.30	12,183.1	-2,002.2	426.6	0.90	0.52	0.73	6.3	1.3
14,244.0	88.20	181.10	12,185.1	-2,098.2	424.6	1.27	-1.25	-0.21	8.0	-1.4
14,340.0	88.20	181.10	12,188.1	-2,194.1	422.7	0.00	0.00	0.00	10.7	-4.0



EOG Resources, Inc.
EOG PVA

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Project: Lea County, NM (NAD 27 NME)
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Well: #707H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #707H
TVD Reference: KB +25 @ 3305.0usft (H&P 651)
MD Reference: KB +25 @ 3305.0usft (H&P 651)
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)
14,436.0	89.40	180.80	12,190.1	-2,290.1	421.1	1.29	1.25	-0.31	12.4	-6.3
14,532.0	87.90	178.70	12,192.4	-2,386.0	421.5	2.69	-1.56	-2.19	14.3	-6.7
14,628.0	87.20	178.50	12,196.5	-2,481.9	423.9	0.76	-0.73	-0.21	18.1	-5.1
14,724.0	89.90	180.10	12,198.9	-2,577.9	425.1	3.27	2.81	1.67	20.2	-4.7
14,821.0	90.10	181.00	12,198.9	-2,674.9	424.1	0.95	0.21	0.93	19.9	-6.4
14,916.0	89.70	180.50	12,199.1	-2,769.9	422.9	0.67	-0.42	-0.53	19.8	-8.3
15,012.0	90.70	179.10	12,198.8	-2,865.9	423.2	1.79	1.04	-1.46	19.1	-8.8
15,108.0	92.60	179.00	12,196.0	-2,961.8	424.8	1.98	1.98	-0.10	16.0	-7.9
15,119.2	92.13	178.87	12,195.5	-2,973.0	425.0	4.32	-4.17	-1.15	15.5	-7.8
TGT#2(Braswell 16 ST 707H)										
15,204.0	88.60	177.90	12,195.0	-3,057.7	427.4	4.32	-4.17	-1.15	14.5	-6.1
15,300.0	89.20	178.40	12,196.8	-3,153.7	430.5	0.81	0.62	0.52	15.8	-3.7
15,396.0	89.20	178.00	12,198.2	-3,249.6	433.5	0.42	0.00	-0.42	16.7	-1.5
15,492.0	88.70	178.00	12,199.9	-3,345.5	436.9	0.52	-0.52	0.00	17.9	1.1
15,588.0	91.70	179.40	12,199.6	-3,441.5	439.0	3.45	3.12	1.46	17.0	2.6
15,684.0	88.00	177.60	12,199.9	-3,537.4	441.6	4.29	-3.85	-1.87	16.7	4.3
15,780.0	86.90	177.10	12,204.1	-3,633.2	446.0	1.26	-1.15	-0.52	20.5	8.0
15,875.0	91.70	178.50	12,205.3	-3,728.1	449.6	5.26	5.05	1.47	21.1	10.9
15,971.0	89.20	178.40	12,204.5	-3,824.1	452.2	2.61	-2.60	-0.10	19.8	12.7
16,067.0	89.80	180.00	12,205.4	-3,920.1	453.6	1.78	0.62	1.67	20.1	13.3
16,163.0	93.00	180.70	12,203.0	-4,016.0	453.0	3.41	3.33	0.73	17.3	12.0
16,259.0	92.60	180.20	12,198.3	-4,111.9	452.2	0.67	-0.42	-0.52	12.0	10.5
16,355.0	88.10	179.80	12,197.8	-4,207.9	452.2	4.71	-4.69	-0.42	10.9	9.7
16,451.0	90.40	180.70	12,199.0	-4,303.9	451.8	2.57	2.40	0.94	11.7	8.6
16,547.0	90.40	181.10	12,198.3	-4,399.9	450.3	0.42	0.00	0.42	10.5	6.3
16,644.0	91.20	181.30	12,197.0	-4,496.8	448.3	0.85	0.82	0.21	8.6	3.5
16,740.0	89.80	180.40	12,196.1	-4,592.8	446.9	1.73	-1.46	-0.94	7.2	1.3



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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)
16,836.0	89.60	180.70	12,196.6	-4,688.8	445.9	0.38	-0.21	0.31	7.2	-0.3
16,890.0	89.50	180.70	12,197.1	-4,742.8	445.3	0.19	-0.19	0.00	7.3	-1.4
Last MWD Survey										
16,931.1	89.50	180.70	12,197.4	-4,783.9	444.8	0.00	0.00	0.00	7.4	-2.2
PBHL(Braswell 16 ST 707H)										
16,945.0	89.50	180.70	12,197.6	-4,797.8	444.6	0.00	0.00	0.00	15.2	-4.6
Projection to Bit										

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,890.0	12,197.1	-4,742.8	445.3	Last MWD Survey
16,945.0	12,197.6	-4,797.8	444.6	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____