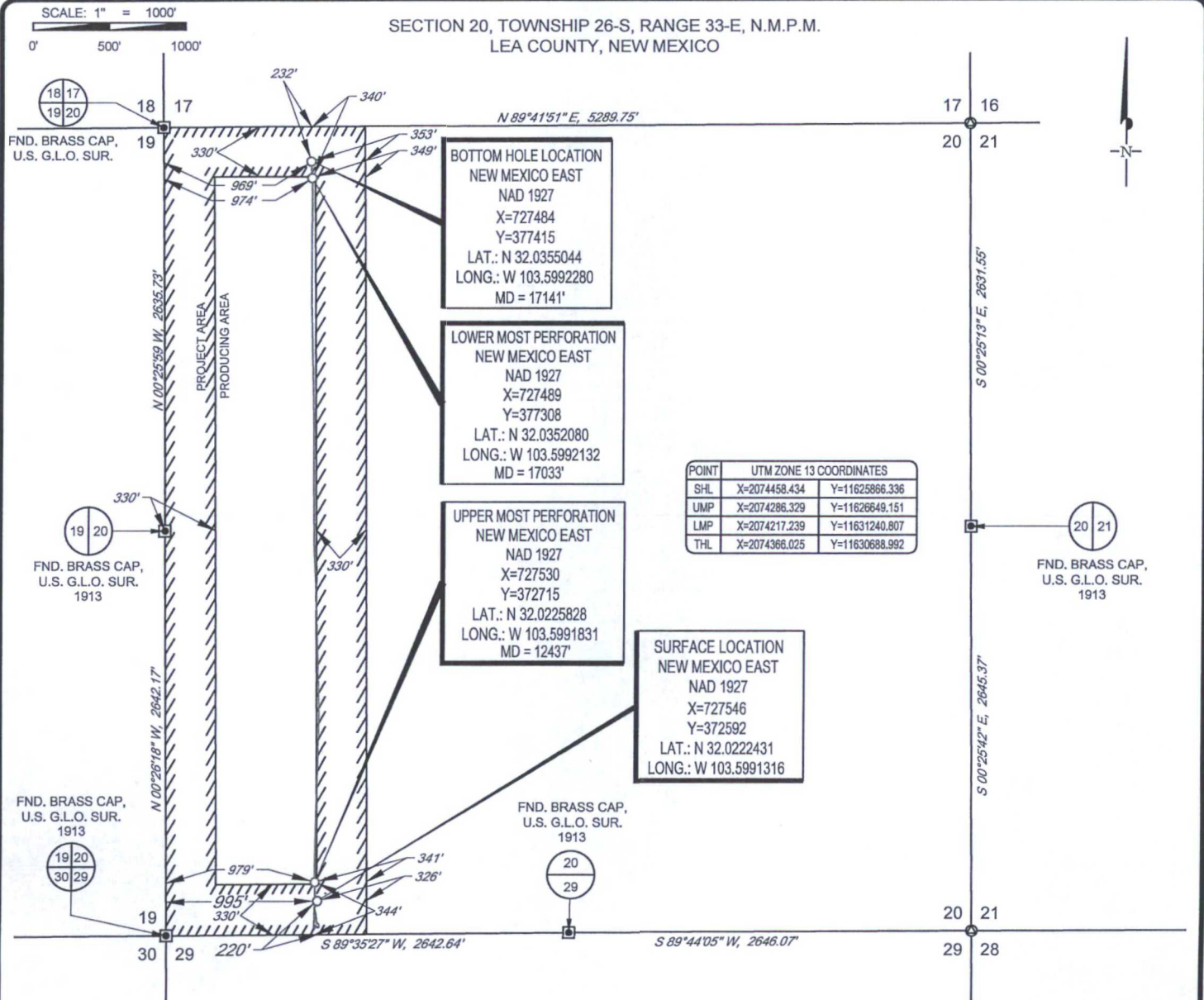




HOBBS OCD

SEP 06 2016

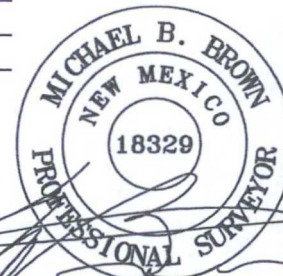
RECEIVED

eog resources, inc.



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
JULY 11, 2016

ORRTANNA 20 FED #702H
AS-COMPLETED

REVISION:

NOTES:

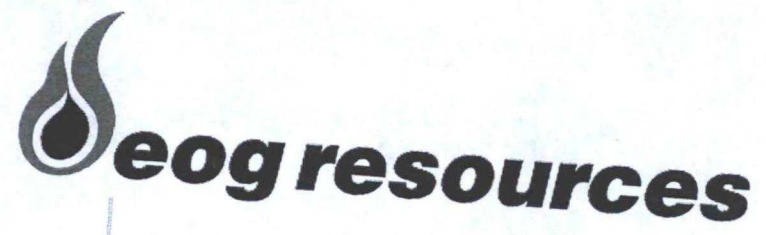
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 19 27.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER 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.

DATE: 07/11/2016

FILE:AD_ORRTANNA20FED_702H

DRAWN BY: A.C.C.

SHEET: 1 OF 1



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Orrtanna 20 Fed

#702H

OH

Survey: Crescent MWD #1

EOG PVA

09 June, 2016

HOBBS OCD

SEP 06 2016

RECEIVED



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3245.0usft (Precision #612)
Site:	Orrtanna 20 Fed	MD Reference:	KB = 25 @ 3245.0usft (Precision #612)
Well:	#702H	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	Orrtanna 20 Fed		
Site Position:		Northing:	372,591.00 usft
From:	Map	Easting:	727,501.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 20.073 N
		Longitude:	103° 35' 57.401 W
		Grid Convergence:	0.39 °

Well	#702H					
Well Position	+N/-S	0.0 usft	Northing:	372,592.00 usft	Latitude:	32° 1' 20.080 N
	+E/-W	0.0 usft	Easting:	727,546.00 usft	Longitude:	103° 35' 56.879 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft	Ground Level:	3,220.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/17/2016	7.07	59.89	47,928

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	359.51



EOG Resources, Inc.
EOG PVA

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Site: Orrtanna 20 Fed
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Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3245.0usft (Precision #612)
MD Reference: KB = 25 @ 3245.0usft (Precision #612)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey Program Date 6/9/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
86.3	910.7	Gyro #1 (OH)	NSG-CT_D/P	Continuous north-seeking gyro in drillpipe
973.0	17,142.0	Crescent MWD #1 (OH)	MWD	MWD - Standard

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
910.7	1.00	304.50	910.6	4.0	-4.2	0.00	0.00	0.00	-5.8	-0.9
973.0	1.14	296.36	972.9	4.6	-5.2	0.33	0.22	-13.06	-6.7	-1.8
1,159.0	3.08	210.84	1,158.8	1.1	-9.4	1.72	1.04	-45.98	-2.7	-9.4
1,346.0	4.57	198.71	1,345.4	-10.2	-14.4	0.90	0.80	-6.49	-8.3	-12.3
1,532.0	4.75	181.57	1,530.8	-24.9	-17.0	0.75	0.10	-9.22	-10.6	-16.5
1,719.0	4.04	183.59	1,717.3	-39.3	-17.6	0.39	-0.38	1.08	-13.4	-16.4
1,906.0	4.66	164.96	1,903.7	-53.2	-16.1	0.82	0.33	-9.96	-8.8	-18.3
2,092.0	4.40	166.72	2,089.2	-67.4	-12.5	0.16	-0.14	0.95	-11.5	-14.6
2,279.0	3.96	169.71	2,275.7	-80.7	-9.7	0.26	-0.24	1.60	-13.0	-11.1
2,465.0	3.61	173.04	2,461.3	-92.9	-7.8	0.22	-0.19	1.79	-13.0	-8.2
2,652.0	2.90	172.61	2,648.0	-103.4	-6.5	0.38	-0.38	-0.23	-10.7	-6.4
2,839.0	2.46	178.32	2,834.7	-112.1	-5.8	0.27	-0.24	3.05	-6.9	-4.3
3,026.0	2.11	184.82	3,021.6	-119.6	-5.9	0.23	-0.19	3.48	-1.7	-3.9
3,212.0	1.76	184.73	3,207.5	-125.8	-6.5	0.19	-0.19	-0.05	4.9	-4.8
3,398.0	2.29	163.55	3,393.4	-132.2	-5.6	0.49	0.28	-11.39	12.4	0.2
3,584.0	3.17	137.62	3,579.2	-139.6	-1.1	0.80	0.47	-13.94	11.9	12.7
3,771.0	1.32	118.46	3,766.0	-144.4	4.3	1.05	-0.99	-10.25	3.9	21.7
3,959.0	0.18	327.73	3,954.0	-145.2	6.0	0.79	-0.61	-80.18	-14.4	-19.4
4,145.0	0.09	40.59	4,140.0	-144.9	5.9	0.09	-0.05	39.17	-23.0	8.3
4,332.0	0.53	137.54	4,327.0	-145.4	6.6	0.29	0.24	51.84	10.2	21.9
4,519.0	1.93	131.82	4,514.0	-148.1	9.6	0.75	0.75	-3.06	3.9	22.8



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EOG PVA

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Well: #702H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #702H
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,705.0	1.67	162.76	4,699.9	-152.8	12.7	0.53	-0.14	16.63	9.7	19.1	
4,891.0	1.32	170.50	4,885.8	-157.5	13.9	0.22	-0.19	4.16	7.3	18.0	
5,077.0	0.97	174.54	5,071.8	-161.2	14.4	0.19	-0.19	2.17	4.9	17.6	
5,264.0	0.88	189.22	5,258.7	-164.2	14.3	0.14	-0.05	7.85	6.2	16.2	
5,450.0	0.88	206.79	5,444.7	-166.9	13.4	0.14	0.00	9.45	8.0	14.0	
5,636.0	0.62	220.59	5,630.7	-168.9	12.1	0.17	-0.14	7.42	8.7	12.0	
5,822.0	0.53	201.35	5,816.7	-170.5	11.1	0.11	-0.05	-10.34	2.5	13.9	
6,009.0	0.62	239.75	6,003.7	-171.8	9.9	0.21	0.05	20.53	8.9	9.9	
6,196.0	0.62	256.89	6,190.7	-172.5	8.1	0.10	0.00	9.17	9.4	7.1	
6,384.0	1.06	308.48	6,378.7	-171.7	5.7	0.44	0.23	27.44	9.1	-2.1	
6,569.0	1.06	309.63	6,563.6	-169.5	3.1	0.01	0.00	0.62	5.6	-2.3	
6,755.0	1.23	294.86	6,749.6	-167.6	-0.1	0.18	0.09	-7.94	2.3	-1.2	
6,941.0	1.23	286.34	6,935.5	-166.2	-3.8	0.10	0.00	-4.58	-1.5	-1.2	
7,127.0	1.06	284.23	7,121.5	-165.2	-7.4	0.09	-0.09	-1.13	-5.1	-1.3	
7,314.0	0.44	274.03	7,308.5	-164.7	-9.8	0.34	-0.33	-5.45	-7.3	-2.5	
7,501.0	0.88	230.96	7,495.5	-165.6	-11.6	0.34	0.24	-23.03	-5.6	-7.3	
7,687.0	1.06	228.59	7,681.5	-167.6	-14.0	0.10	0.10	-1.27	-8.4	-7.5	
7,874.0	1.58	208.11	7,868.4	-171.0	-16.5	0.37	0.28	-10.95	-9.4	-10.6	
8,061.0	0.70	173.92	8,055.4	-174.4	-17.6	0.58	-0.47	-18.28	-5.1	-15.5	
8,247.0	1.23	192.56	8,241.3	-177.5	-17.9	0.33	0.28	10.02	-12.9	-12.7	
8,430.0	1.23	210.93	8,424.3	-181.1	-19.3	0.21	0.00	10.04	-20.1	-7.4	
8,617.0	0.97	18.62	8,611.3	-181.3	-19.9	1.17	-0.14	89.67	18.4	11.9	
8,803.0	0.62	15.81	8,797.3	-178.9	-19.1	0.19	-0.19	-1.51	15.2	12.7	
8,990.0	0.79	20.12	8,984.3	-176.7	-18.4	0.10	0.09	2.30	13.8	11.6	
9,177.0	0.53	316.57	9,171.2	-174.8	-18.5	0.39	-0.14	-33.98	-5.7	16.4	
9,362.0	1.14	264.10	9,356.2	-174.4	-20.9	0.50	0.33	-28.36	-18.8	4.8	
9,548.0	0.35	354.98	9,542.2	-174.0	-22.8	0.64	-0.42	48.86	4.6	20.6	

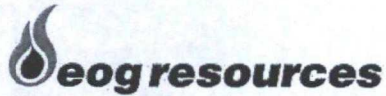


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EOG PVA

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9,734.0	0.44	128.04	9,728.2	-173.9	-22.3	0.39	0.05	71.54	11.6	-17.0	
9,921.0	0.53	129.01	9,915.2	-174.9	-21.1	0.05	0.05	0.52	9.8	-17.2	
10,107.0	0.97	149.31	10,101.2	-176.8	-19.6	0.27	0.24	10.91	0.8	-19.2	
10,293.0	0.62	41.38	10,287.2	-177.4	-18.1	0.70	-0.19	-58.03	17.5	5.2	
10,479.0	0.79	29.96	10,473.2	-175.5	-16.8	0.12	0.09	-6.14	13.8	8.3	
10,665.0	0.88	53.78	10,659.1	-173.6	-15.1	0.19	0.05	12.81	13.4	2.6	
10,853.0	0.62	41.82	10,847.1	-172.0	-13.2	0.16	-0.14	-6.36	10.2	5.0	
11,021.0	0.79	25.48	11,015.1	-170.2	-12.1	0.16	0.10	-9.73	6.3	7.4	
11,144.0	0.53	353.13	11,138.1	-168.9	-11.8	0.36	-0.21	-26.30	0.1	9.2	
11,330.0	1.93	215.32	11,324.1	-170.6	-13.7	1.26	0.75	-74.09	-8.7	-7.3	
11,516.0	0.79	241.07	11,510.0	-173.8	-16.7	0.68	-0.61	13.84	-15.2	-1.4	
11,701.0	0.53	276.67	11,695.0	-174.3	-18.6	0.26	-0.14	19.24	-15.0	8.4	
11,795.0	0.62	246.26	11,789.0	-174.5	-19.5	0.33	0.10	-32.35	-18.1	-0.6	
11,841.0	1.14	316.92	11,835.0	-174.2	-20.1	2.40	1.13	153.61	-6.0	18.1	
11,888.0	2.46	339.77	11,882.0	-172.9	-20.7	3.14	2.81	48.62	5.5	21.2	
11,934.0	4.75	349.27	11,927.9	-170.1	-21.4	5.13	4.98	20.65	15.8	22.0	
11,981.0	7.65	358.93	11,974.6	-165.1	-21.8	6.54	6.17	20.55	28.7	19.8	
12,027.0	13.37	3.86	12,019.8	-156.7	-21.5	12.58	12.43	10.72	40.2	16.3	
12,074.0	19.61	2.80	12,064.9	-143.4	-20.8	13.29	13.28	-2.26	49.2	15.7	
12,120.0	26.56	1.66	12,107.2	-125.4	-20.1	15.14	15.11	-2.48	56.8	15.5	
12,167.0	32.62	2.89	12,148.0	-102.2	-19.2	12.96	12.89	2.62	63.9	13.2	
12,213.0	39.04	3.59	12,185.3	-75.4	-17.6	13.98	13.96	1.52	69.5	10.8	
12,260.0	51.27	0.43	12,218.4	-42.1	-16.6	26.45	26.02	-6.72	71.0	12.2	
12,306.0	63.31	359.11	12,243.2	-3.5	-16.8	26.28	26.17	-2.87	67.0	13.2	
12,351.0	74.24	1.13	12,259.4	38.4	-16.6	24.65	24.29	4.49	58.2	11.9	
12,382.0	79.38	359.37	12,266.5	68.6	-16.5	17.48	16.58	-5.68	49.6	12.5	
12,413.0	81.98	359.81	12,271.5	99.2	-16.7	8.50	8.39	1.42	40.9	12.3	



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12,423.7	82.51	359.81	12,273.0	109.8	-16.8	4.97	4.97	0.00	38.0	12.3	
HL Crossing.12423.7' MD; 12273.0' TVD; 109.8'; -16.8'; 82.51											
12,424.4	82.55	359.81	12,273.1	110.4	-16.8	4.97	4.97	0.00	37.9	12.2	
FTP(Orrt 20 Fed #702H)											
12,444.0	83.52	359.81	12,275.5	129.9	-16.8	4.97	4.97	0.00	32.9	12.1	
12,506.0	83.38	359.20	12,282.5	191.5	-17.4	1.00	-0.23	-0.98	21.5	12.0	
12,538.0	83.56	359.37	12,286.2	223.3	-17.8	0.77	0.56	0.53	18.6	12.1	
12,569.0	85.45	359.99	12,289.1	254.1	-17.9	6.41	6.10	2.00	17.1	12.0	
12,600.0	90.55	1.13	12,290.2	285.1	-17.6	16.86	16.45	3.68	15.7	11.4	
12,631.0	91.47	0.87	12,289.7	316.1	-17.1	3.08	2.97	-0.84	14.5	10.6	
12,725.0	88.31	1.22	12,289.8	410.1	-15.4	3.38	-3.36	0.37	15.7	8.2	
12,819.0	91.34	1.13	12,290.1	504.0	-13.4	3.22	3.22	-0.10	16.9	5.5	
12,911.0	89.41	1.57	12,289.5	596.0	-11.3	2.15	-2.10	0.48	17.3	2.7	
13,005.0	88.62	1.57	12,291.1	690.0	-8.7	0.84	-0.84	0.00	19.9	-0.6	
13,098.0	91.43	2.19	12,291.1	782.9	-5.7	3.09	3.02	0.67	20.8	-4.4	
13,191.0	85.63	1.48	12,293.5	875.8	-2.7	6.28	-6.24	-0.76	24.1	-8.1	
13,284.0	86.64	1.13	12,299.8	968.5	-0.6	1.15	1.09	-0.38	31.3	-11.0	
13,377.0	87.34	1.31	12,304.6	1,061.4	1.4	0.78	0.75	0.19	37.1	-13.6	
13,471.0	87.78	0.95	12,308.6	1,155.3	3.3	0.60	0.47	-0.38	42.1	-16.2	
13,564.0	90.64	359.72	12,309.9	1,248.3	3.8	3.35	3.08	-1.32	44.3	-17.5	
13,658.0	90.59	358.93	12,308.9	1,342.3	2.7	0.84	-0.05	-0.84	44.3	-17.1	
13,751.0	92.88	357.62	12,306.1	1,435.2	-0.1	2.84	2.46	-1.41	42.4	-15.0	
13,818.1	92.12	357.62	12,303.2	1,502.2	-2.9	1.13	-1.13	0.00	40.2	-12.8	
TGT#1(Orrt 20 Fed #702H)											
13,845.0	91.82	357.62	12,302.2	1,529.0	-4.0	1.13	-1.13	0.00	39.5	-11.8	
13,938.0	90.02	357.70	12,300.8	1,621.9	-7.8	1.94	-1.94	0.09	39.0	-8.8	
14,031.0	90.20	358.23	12,300.6	1,714.8	-11.1	0.60	0.19	0.57	39.7	-6.2	
14,124.0	91.47	358.93	12,299.2	1,807.8	-13.4	1.56	1.37	0.75	39.3	-4.6	



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EOG PVA

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Database: EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
14,217.0	89.63	358.14	12,298.3	1,900.8	-15.8	2.15	-1.98	-0.85	39.3	-2.9	
14,311.0	87.91	358.58	12,300.3	1,994.7	-18.5	1.89	-1.83	0.47	42.3	-0.9	
14,406.0	90.42	357.44	12,301.7	2,089.6	-21.8	2.90	2.64	-1.20	44.6	1.6	
14,499.0	90.81	356.65	12,300.7	2,182.5	-26.6	0.95	0.42	-0.85	44.6	5.7	
14,593.0	91.78	357.09	12,298.6	2,276.3	-31.7	1.13	1.03	0.47	43.4	10.1	
14,687.0	93.01	359.81	12,294.7	2,370.2	-34.2	3.17	1.31	2.89	40.4	12.0	
14,780.0	87.38	359.11	12,294.4	2,463.2	-35.1	6.10	-6.05	-0.75	41.0	12.2	
14,873.0	93.05	0.16	12,294.0	2,556.1	-35.7	6.20	6.10	1.13	41.6	12.0	
14,966.0	89.05	358.58	12,292.3	2,649.1	-36.7	4.62	-4.30	-1.70	40.8	12.3	
15,059.0	91.38	0.16	12,292.0	2,742.1	-37.7	3.03	2.51	1.70	41.4	12.7	
15,152.0	90.73	359.90	12,290.2	2,835.0	-37.7	0.75	-0.70	-0.28	40.6	11.9	
15,245.0	90.07	0.25	12,289.6	2,928.0	-37.6	0.80	-0.71	0.38	40.9	11.1	
15,316.3	88.57	0.25	12,290.4	2,999.4	-37.3	2.11	-2.11	0.00	42.4	10.2	
TGT#2(Orrt 20 Fed #702H)											
15,339.0	88.09	0.25	12,291.1	3,022.0	-37.2	2.11	-2.11	0.00	43.3	9.9	
15,432.0	87.78	359.11	12,294.5	3,115.0	-37.7	1.27	-0.33	-1.23	47.4	9.7	
15,526.0	90.51	359.20	12,295.9	3,208.9	-39.1	2.91	2.90	0.10	49.6	10.4	
15,620.0	89.89	358.05	12,295.5	3,302.9	-41.3	1.39	-0.66	-1.22	50.0	11.9	
15,714.0	89.89	358.32	12,295.7	3,396.9	-44.3	0.29	0.00	0.29	51.0	14.2	
15,808.0	89.98	358.41	12,295.8	3,490.8	-47.0	0.14	0.10	0.10	51.9	16.2	
15,902.0	92.18	359.02	12,294.1	3,584.8	-49.1	2.43	2.34	0.65	50.9	17.6	
15,995.0	89.71	358.41	12,292.5	3,677.7	-51.2	2.74	-2.66	-0.66	50.1	18.9	
16,088.0	92.88	358.32	12,290.4	3,770.7	-53.8	3.41	3.41	-0.10	48.8	20.9	
16,182.0	90.68	358.67	12,287.5	3,864.6	-56.3	2.37	-2.34	0.37	46.6	22.6	
16,276.0	89.14	359.37	12,287.6	3,958.6	-57.9	1.80	-1.64	0.74	47.5	23.5	
16,370.0	91.12	0.52	12,287.4	4,052.5	-58.0	2.44	2.11	1.22	48.1	22.9	
16,463.0	88.18	359.37	12,288.0	4,145.5	-58.1	3.39	-3.16	-1.24	49.4	22.3	



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3245.0usft (Precision #612)
Site:	Orrtanna 20 Fed	MD Reference:	KB = 25 @ 3245.0usft (Precision #612)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
16,557.0	90.24	0.08	12,289.3	4,239.5	-58.5	2.32	2.19	0.76	51.5	22.0	
16,651.0	87.74	1.22	12,291.0	4,333.5	-57.5	2.92	-2.66	1.21	53.9	20.2	
16,745.0	88.35	0.43	12,294.2	4,427.4	-56.1	1.06	0.65	-0.84	57.9	18.2	
16,839.0	89.85	359.90	12,295.6	4,521.4	-55.8	1.69	1.60	-0.56	60.1	17.2	
16,933.0	93.23	0.16	12,293.1	4,615.4	-55.8	3.61	3.60	0.28	58.4	16.4	
17,027.0	93.36	358.23	12,287.7	4,709.2	-57.1	2.05	0.14	-2.05	53.8	17.0	
17,042.7	93.32	357.87	12,286.8	4,724.9	-57.6	2.32	-0.23	-2.32	53.0	17.4	
HL Crossing.17042.7' MD; 12286.8' TVD; 4724.9'; -57.6'; 93.32											
17,084.0	93.23	356.91	12,284.4	4,766.0	-59.5	2.32	-0.23	-2.32	51.0	18.9	
Last MWD Survey											
17,142.0	93.23	356.91	12,281.2	4,823.9	-62.7	0.00	0.00	0.00	48.2	21.6	
Projection To Bit - PBHL(Orrt 20 Fed #702H)											

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,423.7	12,273.0	109.8	-16.8	HL Crossing.12423.7' MD; 12273.0' TVD; 109.8'; -16.8'; 82.51
17,042.7	12,286.8	4,724.9	-57.6	HL Crossing.17042.7' MD; 12286.8' TVD; 4724.9'; -57.6'; 93.32
17,084.0	12,284.4	4,766.0	-59.5	Last MWD Survey
17,142.0	12,281.2	4,823.9	-62.7	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____