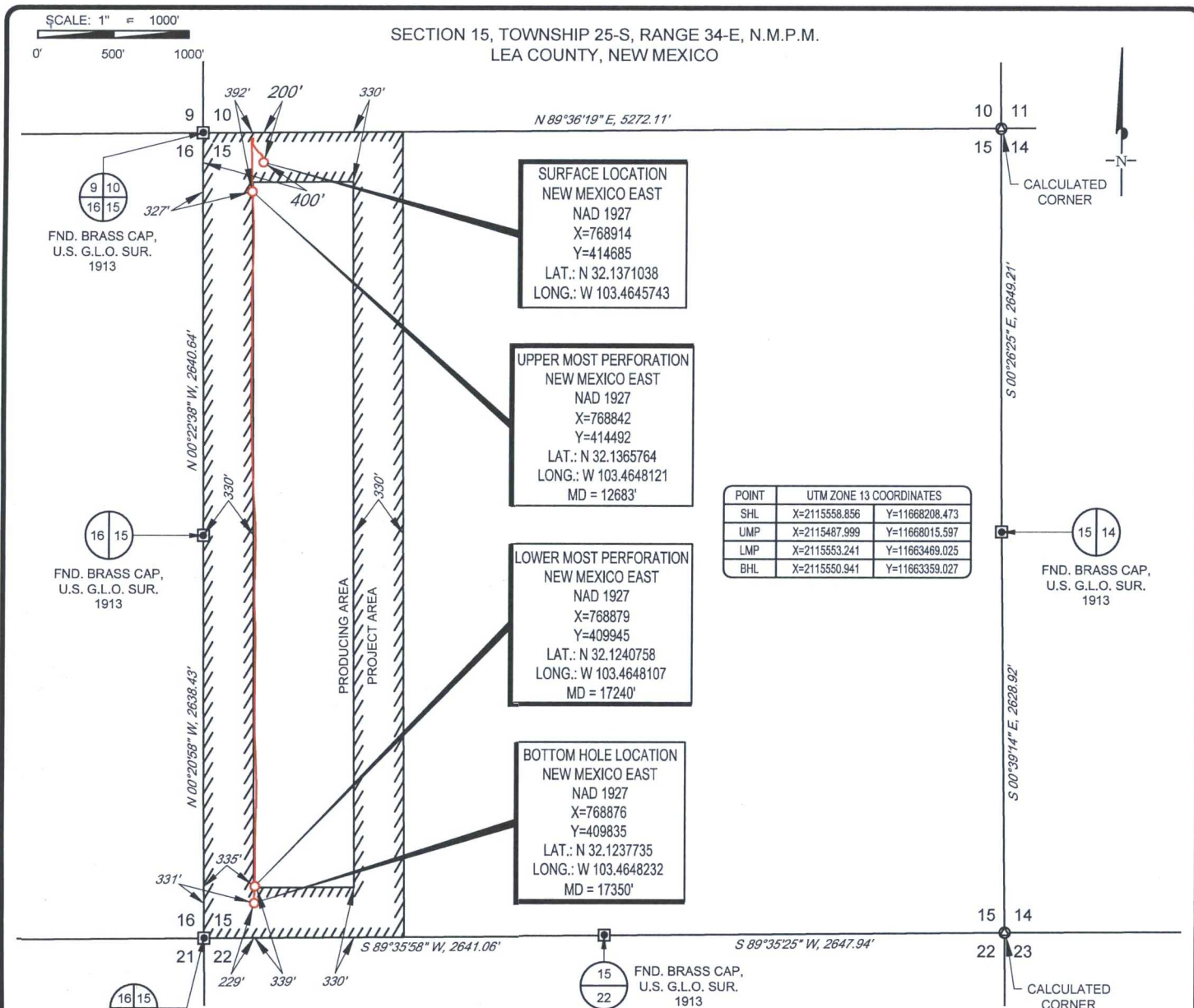




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Michael Blake Brown, P.S. No. 18329
JUNE 29, 2017

PISTOLERO 15 FED #701H AS-COMPLETED	REVISION:
DATE: 06/29/17	
FILE: AD_PISTOLERO_15_FED_701H	
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. 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 PLAN AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

HOBBS OCD

JUL 13 2017

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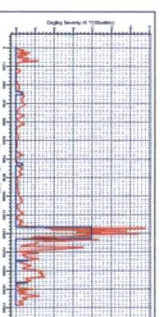
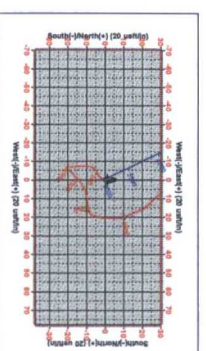
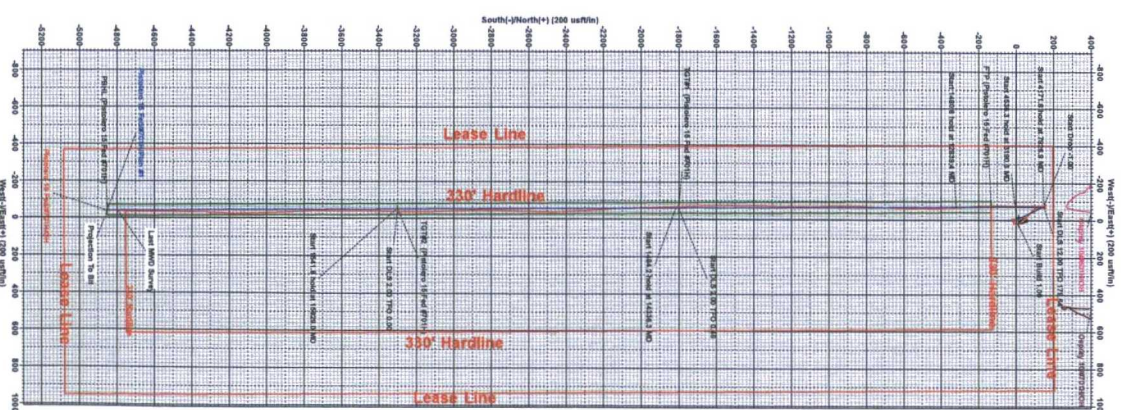
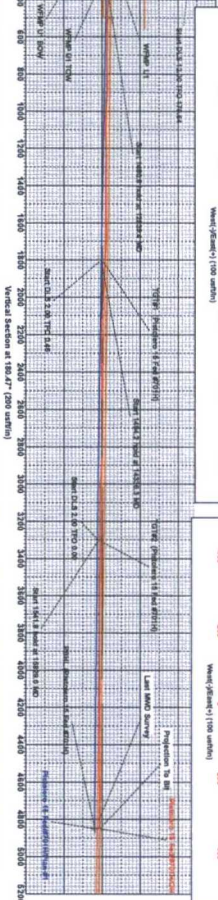
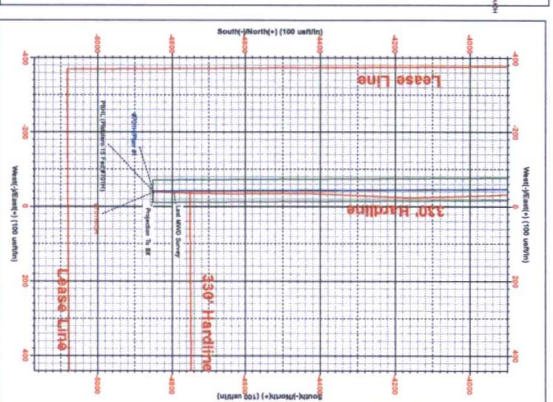
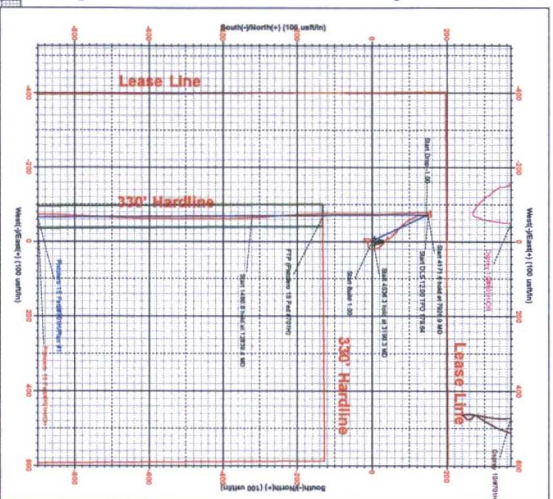
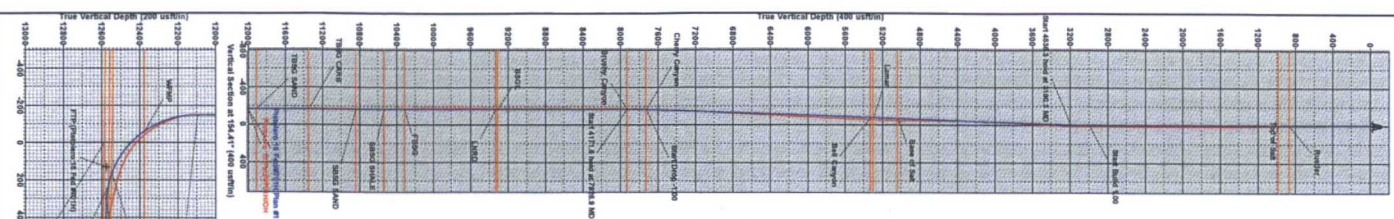
Lea County, NM (NAD 27 NME)
Pistolero 15 Fed #701H
H&P 642
Plan #1

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

To convert a Magnetic Direction to a Grid Direction, Add 8.43°
To convert a Magnetic Direction to a True Direction, Add 6.90° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

SECTION DETAILS											
Sec	MD	Inc	Asl	TVD	+W.S.	+E/W.	Chng	Time	Wsect	Target	Annotation
Sec 1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
3	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
4	3189.3	2.00	334.41	3189.3	3.32	-1.6	1.00	334.41	-3.31		
5	7728.6	2.00	334.41	7723.7	14.62	-7.02	0.00	0.00	-14.63		
6	12098.6	0.00	0.00	12098.6	149.3	-1.48	0.00	0.00	-148.7		
7	12098.6	0.00	0.00	12098.6	149.3	-71.8	0.00	0.00	-148.7		
8	14320.4	88.92	173.64	12851.0	-1718.6	-48.2	12.00	173.64	1800.7	TOTR1 (Presidio 15 Fed 2011)	
9	14320.4	88.92	173.64	12851.0	-1718.6	-48.2	12.00	173.64	1800.7	TOTR1 (Presidio 15 Fed 2011)	
10	16528.0	89.41	173.64	12821.1	-3208.3	-48.7	2.00	0.00	-3208.2	TOTR2 (Presidio 15 Fed 2011)	
11	16528.0	89.41	173.64	12821.1	-3208.3	-48.7	2.00	0.00	-3208.2	TOTR2 (Presidio 15 Fed 2011)	
12	17173.0	89.41	173.64	12821.0	-4850.0	-48.0	0.00	0.00	-4850.0	PdR1 (Presidio 15 Fed 2011)	

CASINO		WELLBORN MARKET DETAILS (MAD CO-OPERATIVES)			
No trading data is available					
None	TD	MS	Notching	End of day	
TDRE (Problems 15 Fed #7014)	13671.0	-1738.6		768884.00	
TDRE (Problems 15 Fed #7014)	13671.0	-3289.7		768884.26	
PBIL (Problems 15 Fed #7014)	13671.0	-4850.0		768874.00	
FTP (Problems 15 Fed #7014)	13671.0	-131.0		768854.00	



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 Published: December 22, 2017



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Pistolero 15 Fed

#701H

OH

Design: OH

PVA

02 June, 2017



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3359.0usft (H&P 642)
Site:	Pistolero 15 Fed	MD Reference:	KB = 25' @ 3359.0usft (H&P 642)
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 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	Pistolero 15 Fed		
Site Position:		Northing:	414,685.00 usft
From:	Map	Easting:	768,914.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 13.575 N
		Longitude:	103° 27' 52.464 W
		Grid Convergence:	0.46 °

Well	#701H					
Well Position	+N/-S	0.0 usft	Northing:	414,685.00 usft	Latitude:	32° 8' 13.575 N
	+E/-W	0.0 usft	Easting:	768,914.00 usft	Longitude:	103° 27' 52.464 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,334.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	6/20/2017	6.90	60.00	47,897.56860319

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	180.47

Survey Program		Date 6/2/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
132.0	17,351.0	Intrepid MWD #1 (OH)	MWD	MWD - Standard



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Pistolero 15 Fed
 Well: #701H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25' @ 3359.0usft (H&P 642)
 MD Reference: KB = 25' @ 3359.0usft (H&P 642)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
132.0	0.50	177.90	132.0	-0.6	0.0	0.38	0.38	0.00	-0.6	0.0
189.0	1.00	221.90	189.0	-1.2	-0.3	1.28	0.88	77.19	-1.1	0.6
218.0	0.70	236.90	218.0	-1.5	-0.6	1.28	-1.03	51.72	-1.3	0.9
248.0	1.00	224.90	248.0	-1.8	-1.0	1.16	1.00	-40.00	-1.9	0.6
276.0	0.80	228.90	276.0	-2.1	-1.3	0.75	-0.71	14.29	-2.3	0.7
334.0	0.40	182.90	334.0	-2.5	-1.6	1.03	-0.69	-79.31	-2.6	-1.5
366.0	0.90	229.90	366.0	-2.8	-1.8	2.16	1.56	146.87	-3.2	1.0
397.0	0.90	228.90	397.0	-3.1	-2.2	0.05	0.00	-3.23	-3.7	0.9
428.0	0.40	225.90	428.0	-3.4	-2.4	1.62	-1.61	-9.68	-4.1	0.7
461.0	0.60	245.90	461.0	-3.5	-2.7	0.80	0.61	60.61	-3.9	2.1
492.0	0.70	208.90	492.0	-3.7	-2.9	1.37	0.32	-119.35	-4.7	-0.7
524.0	0.50	219.90	524.0	-4.0	-3.1	0.72	-0.62	34.37	-5.1	0.2
556.0	0.80	259.90	556.0	-4.2	-3.4	1.65	0.94	125.00	-4.1	3.5
587.0	0.90	260.90	587.0	-4.2	-3.8	0.33	0.32	3.23	-4.5	3.6
618.0	0.80	259.90	618.0	-4.3	-4.3	0.33	-0.32	-3.23	-5.0	3.5
645.0	0.60	242.90	645.0	-4.4	-4.6	1.06	-0.74	-62.96	-6.1	1.8
681.0	0.70	238.90	681.0	-4.6	-5.0	0.30	0.28	-11.11	-6.6	1.4
713.0	1.20	236.90	713.0	-4.9	-5.4	1.57	1.56	-6.25	-7.2	1.1
744.0	0.60	220.90	743.9	-5.2	-5.8	2.08	-1.94	-51.61	-7.7	-1.0
775.0	1.20	219.90	774.9	-5.6	-6.1	1.94	1.94	-3.23	-8.2	-1.1
807.0	1.00	190.90	806.9	-6.1	-6.4	1.82	-0.62	-90.62	-7.2	-5.1
839.0	1.30	201.90	838.9	-6.7	-6.6	1.16	0.94	34.37	-8.7	-3.6
870.0	1.00	207.90	869.9	-7.3	-6.8	1.04	-0.97	19.35	-9.6	-2.6
902.0	1.30	200.90	901.9	-7.9	-7.1	1.03	0.94	-21.87	-9.9	-3.8
915.0	1.00	183.90	914.9	-8.1	-7.1	3.47	-2.31	-130.77	-8.6	-6.6
1,041.0	1.50	176.50	1,040.9	-10.9	-7.1	0.42	0.40	-5.87	-10.4	-7.8



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3359.0usft (H&P 642)
Site:	Pistolero 15 Fed	MD Reference:	KB = 25' @ 3359.0usft (H&P 642)
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 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)
1,226.0	1.40	179.20	1,225.8	-15.5	-6.9	0.07	-0.05	1.46	-15.4	-7.2
1,412.0	1.10	183.40	1,411.8	-19.6	-7.0	0.17	-0.16	2.26	-20.0	-5.8
1,598.0	0.40	45.80	1,597.8	-20.9	-6.7	0.76	-0.38	-73.98	19.4	-10.4
1,786.0	0.30	33.30	1,785.8	-20.1	-5.9	0.07	-0.05	-6.65	20.0	-6.1
1,973.0	0.60	43.10	1,972.8	-18.9	-5.0	0.17	0.16	5.24	17.2	-9.3
2,160.0	0.50	51.30	2,159.8	-17.7	-3.7	0.07	-0.05	4.39	13.9	-11.5
2,348.0	0.90	45.60	2,347.7	-16.2	-2.0	0.22	0.21	-3.03	12.7	-10.2
2,536.0	1.60	42.30	2,535.7	-13.2	0.8	0.37	0.37	-1.76	9.2	-9.5
2,724.0	2.20	75.50	2,723.6	-10.3	6.1	0.65	0.32	17.66	-3.3	-11.5
2,912.0	2.50	83.90	2,911.4	-9.0	13.7	0.24	0.16	4.47	-12.6	-10.4
3,099.0	0.70	44.50	3,098.4	-7.8	18.5	1.07	-0.96	-21.07	-7.1	-19.6
3,286.0	3.10	13.60	3,285.2	-2.0	20.5	1.35	1.28	-16.52	2.4	-24.7
3,474.0	3.70	349.70	3,472.9	8.9	20.6	0.81	0.32	-12.71	7.9	-25.4
3,661.0	4.80	329.00	3,659.4	21.5	15.5	1.00	0.59	-11.07	9.3	-22.5
3,848.0	3.10	296.70	3,846.0	30.5	7.0	1.46	-0.91	-17.27	13.4	-14.2
4,035.0	2.10	316.50	4,032.8	35.3	0.1	0.71	-0.53	10.59	5.8	-14.2
4,223.0	2.20	300.90	4,220.7	39.6	-5.4	0.31	0.05	-8.30	8.0	-9.4
4,410.0	1.70	300.80	4,407.6	42.9	-10.8	0.27	-0.27	-0.05	7.1	-5.8
4,597.0	0.90	96.20	4,594.5	44.1	-11.8	1.36	-0.43	83.10	-11.3	-2.1
4,785.0	0.90	114.90	4,782.5	43.4	-8.9	0.16	0.00	9.95	-19.3	-2.1
4,972.0	0.90	47.60	4,969.5	43.7	-6.5	0.53	0.00	-35.99	-5.7	-26.2
5,158.0	2.50	321.40	5,155.4	47.9	-8.0	1.40	0.86	-46.34	27.9	-7.4
5,345.0	2.80	313.00	5,342.2	54.2	-13.9	0.26	0.16	-4.49	26.2	-1.4
5,533.0	2.50	314.10	5,530.0	60.2	-20.2	0.16	-0.16	0.59	23.6	0.4
5,720.0	2.40	316.40	5,716.9	65.9	-25.8	0.07	-0.05	1.23	21.9	1.7
5,907.0	2.70	303.50	5,903.7	71.1	-32.2	0.35	0.16	-6.90	18.3	9.0
6,093.0	3.20	317.20	6,089.4	77.3	-39.3	0.46	0.27	7.37	16.7	7.3



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3359.0usft (H&P 642)
Site:	Pistolero 15 Fed	MD Reference:	KB = 25' @ 3359.0usft (H&P 642)
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 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)
6,279.0	3.40	320.60	6,275.1	85.4	-46.4	0.15	0.11	1.83	12.7	8.2
6,466.0	3.20	325.80	6,461.8	94.0	-52.8	0.19	-0.11	2.78	9.1	8.5
6,654.0	2.90	330.70	6,649.5	102.5	-58.1	0.21	-0.16	2.61	6.4	8.6
6,843.0	2.90	331.00	6,838.3	110.9	-62.8	0.01	0.00	0.16	3.5	9.0
7,030.0	3.30	329.40	7,025.0	119.6	-67.8	0.22	0.21	-0.86	-0.4	9.5
7,218.0	2.60	9.90	7,212.8	128.5	-69.8	1.14	-0.37	21.54	2.8	7.2
7,406.0	2.40	8.90	7,400.6	136.6	-68.5	0.11	-0.11	-0.53	-0.1	3.4
7,595.0	2.50	6.30	7,589.4	144.6	-67.4	0.08	0.05	-1.38	-2.7	-0.3
7,783.0	2.20	6.00	7,777.3	152.3	-66.6	0.16	-0.16	-0.16	-5.0	-3.6
7,970.0	1.60	359.10	7,964.2	158.4	-66.3	0.34	-0.32	-3.69	-9.0	-5.4
8,157.0	0.80	241.40	8,151.2	160.4	-67.4	1.12	-0.43	-62.94	8.9	-7.8
8,344.0	1.70	226.30	8,338.1	157.9	-70.6	0.51	0.48	-8.07	6.6	-5.6
8,532.0	0.50	335.70	8,526.1	156.7	-72.9	1.02	-0.64	58.19	-7.3	-1.7
8,724.0	0.30	297.30	8,718.1	157.7	-73.7	0.17	-0.10	-20.00	-5.8	-6.4
8,913.0	0.80	277.00	8,907.1	158.1	-75.5	0.28	0.26	-10.74	-5.0	-8.2
9,100.0	0.50	217.20	9,094.1	157.6	-77.3	0.37	-0.16	-31.98	3.1	-9.6
9,288.0	0.90	240.30	9,282.0	156.2	-79.1	0.26	0.21	12.29	-3.1	-9.7
9,476.0	0.70	276.70	9,470.0	155.6	-81.5	0.28	-0.11	19.36	-10.6	-5.1
9,664.0	0.40	345.00	9,658.0	156.4	-82.8	0.35	-0.16	36.33	-9.7	9.1
9,851.0	0.90	35.30	9,845.0	158.2	-82.1	0.38	0.27	26.90	-1.1	13.8
10,036.0	1.30	96.30	10,030.0	159.2	-79.2	0.63	0.22	32.97	8.7	8.9
10,222.0	2.20	154.60	10,215.9	155.7	-75.6	1.01	0.48	31.34	7.5	-0.9
10,410.0	0.50	176.80	10,403.8	151.6	-74.0	0.93	-0.90	11.81	2.4	-2.3
10,597.0	0.10	189.80	10,590.8	150.6	-73.9	0.22	-0.21	6.95	0.9	-2.6
10,784.0	0.30	49.30	10,777.8	150.8	-73.6	0.20	0.11	-75.13	0.6	2.5
10,972.0	1.20	333.00	10,965.8	152.9	-74.1	0.62	0.48	-40.59	-4.4	0.7
11,159.0	1.10	155.50	11,152.8	153.0	-74.3	1.23	-0.05	-94.92	4.5	-1.0



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Pistolero 15 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3359.0usft (H&P 642)
MD Reference: KB = 25' @ 3359.0usft (H&P 642)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14 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)
11,347.0	0.80	120.00	11,340.8	150.7	-72.4	0.34	-0.16	-18.88	1.5	0.8
11,442.0	0.70	116.20	11,435.8	150.1	-71.3	0.12	-0.11	-4.00	0.2	0.8
11,565.0	0.40	110.50	11,558.8	149.6	-70.2	0.25	-0.24	-4.63	-1.1	0.7
11,659.0	0.70	272.80	11,652.8	149.5	-70.5	1.16	0.32	172.66	1.0	-0.3
11,753.0	1.30	271.20	11,746.8	149.6	-72.1	0.64	0.64	-1.70	-0.6	-0.3
11,846.0	0.50	257.50	11,839.7	149.5	-73.6	0.88	-0.86	-14.73	-2.0	-0.7
11,940.0	0.70	275.80	11,933.7	149.5	-74.5	0.29	0.21	19.47	-3.0	0.1
12,034.0	1.80	334.10	12,027.7	150.9	-75.8	1.65	1.17	62.02	-3.3	3.1
12,126.0	2.80	200.10	12,119.7	150.1	-77.2	4.62	1.09	-145.65	-0.7	-5.8
12,173.0	12.20	182.70	12,166.2	144.0	-77.8	20.35	20.00	-37.02	-0.3	-6.3
12,220.0	19.80	177.60	12,211.4	131.1	-77.7	16.43	16.17	-10.85	-3.6	-6.4
12,267.0	22.40	176.20	12,255.2	114.2	-76.8	5.63	5.53	-2.98	-6.8	-5.9
12,313.0	28.00	177.80	12,296.8	94.6	-75.8	12.26	12.17	3.48	-9.1	-4.9
12,360.0	36.20	177.40	12,336.6	69.7	-74.7	17.45	17.45	-0.85	-12.1	-4.1
12,407.0	40.60	179.00	12,373.4	40.5	-73.8	9.60	9.36	3.40	-15.8	-3.1
12,454.0	46.70	181.00	12,407.4	8.1	-73.8	13.31	12.98	4.26	-18.9	-2.9
12,501.0	52.10	180.40	12,438.0	-27.6	-74.3	11.53	11.49	-1.28	-21.8	-3.7
12,548.0	61.20	180.40	12,463.8	-66.8	-74.5	19.36	19.36	0.00	-25.9	-4.2
12,594.0	66.50	179.80	12,484.1	-108.1	-74.6	11.58	11.52	-1.30	-31.0	-4.7
12,641.0	70.60	178.20	12,501.3	-151.8	-73.8	9.28	8.72	-3.40	-35.1	-4.6
12,689.0	76.10	176.80	12,515.0	-197.7	-71.8	11.79	11.46	-2.92	-38.2	-3.1
12,736.0	77.20	175.90	12,525.9	-243.3	-68.9	2.99	2.34	-1.91	-38.9	-0.4
12,783.0	76.70	174.80	12,536.5	-289.0	-65.2	2.52	-1.06	-2.34	-34.9	3.3
12,830.0	78.10	177.60	12,546.7	-334.7	-62.2	6.53	2.98	5.96	-26.5	6.3
12,876.0	77.80	178.00	12,556.3	-379.7	-60.4	1.07	-0.65	0.87	-17.7	7.8
12,923.0	82.90	181.40	12,564.2	-426.0	-60.2	12.98	10.85	7.23	-10.7	7.7
12,970.0	84.90	180.70	12,569.2	-472.7	-61.1	4.51	4.26	-1.49	-6.7	6.5



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Pistolero 15 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3359.0usft (H&P 642)
MD Reference: KB = 25' @ 3359.0usft (H&P 642)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14 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)
13,017.0	88.50	180.10	12,571.9	-519.6	-61.4	7.76	7.66	-1.28	-4.9	5.9
13,064.0	90.00	179.70	12,572.5	-566.6	-61.3	3.30	3.19	-0.85	-5.1	5.7
13,167.0	91.70	182.60	12,571.0	-669.6	-63.4	3.26	1.65	2.82	-8.6	2.9
13,260.0	89.90	182.80	12,569.7	-762.5	-67.8	1.95	-1.94	0.22	-11.7	-2.0
13,353.0	90.50	183.30	12,569.4	-855.3	-72.7	0.84	0.65	0.54	-13.8	-7.5
13,447.0	83.90	175.80	12,574.0	-949.1	-72.0	10.62	-7.02	-7.98	-10.9	-7.5
13,541.0	89.10	180.20	12,579.7	-1,042.8	-68.7	7.24	5.53	4.68	-7.0	-4.8
13,634.0	92.00	180.20	12,578.8	-1,135.8	-69.0	3.12	3.12	0.00	-9.6	-5.7
13,728.0	92.00	180.10	12,575.5	-1,229.7	-69.3	0.11	0.00	-0.11	-14.7	-6.5
13,822.0	89.00	181.50	12,574.7	-1,323.7	-70.6	3.52	-3.19	1.49	-17.3	-8.4
13,916.0	89.10	180.50	12,576.3	-1,417.7	-72.2	1.07	0.11	-1.06	-17.5	-10.7
14,009.0	90.20	179.80	12,576.9	-1,510.7	-72.5	1.40	1.18	-0.75	-18.7	-11.5
14,103.0	91.50	179.10	12,575.5	-1,604.7	-71.6	1.57	1.38	-0.74	-21.8	-11.2
14,196.0	88.20	178.40	12,575.7	-1,697.6	-69.6	3.63	-3.55	-0.75	-23.4	-9.8
14,288.0	86.20	178.00	12,580.2	-1,789.5	-66.7	2.22	-2.17	-0.43	-20.6	-7.5
14,382.0	86.60	178.70	12,586.1	-1,883.2	-64.0	0.86	0.43	0.74	-16.1	-5.3
14,476.0	86.60	177.90	12,591.7	-1,977.0	-61.2	0.85	0.00	-0.85	-11.7	-3.1
14,571.0	88.10	178.30	12,596.1	-2,071.9	-58.0	1.63	1.58	0.42	-8.6	-0.6
14,665.0	88.40	176.10	12,598.9	-2,165.7	-53.5	2.36	0.32	-2.34	-7.0	3.4
14,760.0	89.80	176.20	12,600.4	-2,260.5	-47.1	1.48	1.47	0.11	-6.8	9.2
14,854.0	90.80	176.40	12,599.9	-2,354.3	-41.0	1.08	1.06	0.21	-8.5	14.7
14,947.0	90.00	178.90	12,599.3	-2,447.2	-37.2	2.82	-0.86	2.69	-10.4	17.9
15,041.0	91.50	182.40	12,598.1	-2,541.2	-38.3	4.05	1.60	3.72	-12.9	16.2
15,134.0	89.20	179.80	12,597.5	-2,634.1	-40.0	3.73	-2.47	-2.80	-14.7	13.9
15,228.0	91.50	183.20	12,596.9	-2,728.1	-42.5	4.37	2.45	3.62	-16.5	10.8
15,322.0	88.80	180.60	12,596.7	-2,822.0	-45.6	3.99	-2.87	-2.77	-18.0	7.1
15,416.0	86.30	177.10	12,600.7	-2,915.9	-43.7	4.57	-2.66	-3.72	-15.2	8.4



EOG Resources, Inc.

PVA

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Survey Calculation Method: Minimum Curvature
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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)
15,510.0	87.70	177.60	12,605.6	-3,009.7	-39.4	1.58	1.49	0.53	-11.5	12.2
15,604.0	89.00	178.70	12,608.3	-3,103.6	-36.4	1.81	1.38	1.17	-10.1	14.6
15,697.0	89.90	180.70	12,609.2	-3,196.6	-35.9	2.36	0.97	2.15	-10.4	14.5
15,791.0	89.60	180.60	12,609.6	-3,290.6	-36.9	0.34	-0.32	-0.11	-11.3	12.9
15,885.0	89.80	180.80	12,610.1	-3,384.5	-38.1	0.30	0.21	0.21	-11.8	11.1
15,978.0	89.90	180.60	12,610.4	-3,477.5	-39.2	0.24	0.11	-0.22	-12.5	9.4
16,071.0	89.80	180.40	12,610.6	-3,570.5	-40.0	0.24	-0.11	-0.22	-13.2	8.0
16,164.0	90.00	179.80	12,610.8	-3,663.5	-40.2	0.68	0.22	-0.65	-14.0	7.3
16,258.0	89.80	177.20	12,610.9	-3,757.5	-37.7	2.77	-0.21	-2.77	-14.8	9.1
16,352.0	89.90	177.00	12,611.2	-3,851.4	-33.0	0.24	0.11	-0.21	-15.5	13.3
16,445.0	90.60	178.30	12,610.8	-3,944.3	-29.2	1.59	0.75	1.40	-16.9	16.5
16,538.0	90.90	178.00	12,609.5	-4,037.2	-26.2	0.46	0.32	-0.32	-19.1	18.9
16,632.0	89.10	179.30	12,609.5	-4,131.2	-24.0	2.36	-1.91	1.38	-20.0	20.6
16,725.0	89.80	182.70	12,610.4	-4,224.2	-25.6	3.73	0.75	3.66	-20.1	18.3
16,820.0	88.90	182.40	12,611.5	-4,319.1	-29.8	1.00	-0.95	-0.32	-20.0	13.5
16,914.0	89.90	181.10	12,612.5	-4,413.0	-32.7	1.74	1.06	-1.38	-20.0	10.1
17,007.0	90.20	180.10	12,612.4	-4,506.0	-33.7	1.12	0.32	-1.08	-21.0	8.5
17,101.0	90.30	179.70	12,612.0	-4,600.0	-33.5	0.44	0.11	-0.43	-22.4	8.1
17,194.0	90.20	180.80	12,611.6	-4,693.0	-33.9	1.19	-0.11	1.18	-23.8	7.1
17,295.0	89.70	181.80	12,611.7	-4,794.0	-36.2	1.11	-0.50	0.99	-24.7	4.2
Last MWD Survey										
17,351.0	89.70	181.80	12,612.0	-4,849.9	-37.9	0.00	0.00	0.00	-25.0	2.1
Projection To Bit										



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Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17,295.0	12,611.7	-4,794.0	-36.2	Last MWD Survey
17,351.0	12,612.0	-4,849.9	-37.9	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____