



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Wheatfield 16 State

#701H

OH

Design: OH

EOG PVA

25 January, 2016

HOBBS OCD

MAR 25 2016

RECEIVED

APR 18 2016



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:		Well #701H	
Project: Lea County, NM (NAD 27 NIME)		TVD Reference:		KB = 25 @ 3268.0usft (Precision 612)	
Site: Wheatfield 16 State		MD Reference:		KB = 25 @ 3268.0usft (Precision 612)	
Well: #701H		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 NIME)					
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 Wheatfield 16 State					
Site Position:		Northing: 414,850.00 usft		Latitude: 32° 8' 12.769 N	
From: Map		Easting: 797,912.00 usft		Longitude: 103° 22' 15.232 W	
Position Uncertainty: 0.0 usft		Slot Radius: 13-3/16 "		Grid Convergence: 0.51 °	
Well #701H					
Well Position		Northing: 414,850.00 usft		Latitude: 32° 8' 12.769 N	
+N/-S		Easting: 797,912.00 usft		Longitude: 103° 22' 15.232 W	
+E/-W		Wellhead Elevation: 0.0 usft		Ground Level: 3,243.0 usft	
Position Uncertainty					
Wellbore OH					
Magnetics					
Model Name		Sample Date		Dip Angle (°)	
IGRF2015		4/17/2015		60.04	
		7.09		48,132	
Design OH					
Audit Notes:					
Version: 1.0		Phase: ACTUAL		Tie On Depth: 0.0	
Vertical Section:		Depth From (TVD) (usft)		+E/-W (usft)	
		0.0		0.0	
		+N/-S (usft)		Direction (°)	
		0.0		179.73	
Survey Program					
From (usft)		To (usft)		Date	
82.5		17,182.0 PDI MWD #1 (OH)		1/25/2016	
		Survey (Wellbore)		Tool Name	
		MWD		MWD - Standard	



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NIME)
Site: Wheatfield 16 State
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #701H
KB = 25 @ 3268.0ust (Precision 612)
KB = 25 @ 3268.0ust (Precision 612)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	EW (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
82.5	0.19	336.92	82.5	0.1	-0.1	0.23	0.23	0.00	0.00	-0.1
177.9	0.27	273.51	177.9	0.3	-0.3	0.26	0.08	-66.44	-0.4	-0.3
273.4	0.38	250.61	273.4	0.2	-0.9	0.18	0.12	-23.99	-0.7	-0.5
368.8	0.10	104.19	368.8	0.1	-1.1	0.49	-0.29	-153.42	1.1	-0.2
464.2	0.21	77.66	464.2	0.1	-0.8	0.13	0.12	-27.80	0.8	0.3
559.7	0.46	72.93	559.7	0.2	-0.3	0.26	0.26	-4.96	0.2	0.3
655.1	0.59	64.69	655.1	0.6	0.5	0.16	0.14	-8.63	-0.7	0.3
750.6	0.78	69.17	750.5	1.0	1.6	0.21	0.20	4.69	-1.8	0.4
846.0	1.13	74.77	846.0	1.5	3.1	0.38	0.37	5.87	-3.4	0.6
968.0	0.90	62.20	968.0	2.2	5.1	0.26	-0.19	-10.30	-5.5	-0.4
1,156.0	2.30	15.50	1,155.9	6.6	7.4	0.96	0.74	-24.84	-7.1	-5.9
1,342.0	2.00	17.80	1,341.7	13.3	9.4	0.17	-0.16	1.24	-9.9	-7.4
1,529.0	3.30	15.30	1,528.5	21.5	11.8	0.70	0.70	-1.34	-10.3	-11.1
1,715.0	2.60	17.60	1,714.3	30.7	14.5	0.38	-0.38	1.24	-9.2	-15.3
1,903.0	3.60	353.30	1,902.0	40.7	15.1	0.87	0.53	-12.93	3.8	-19.4
2,089.0	3.10	358.20	2,087.7	51.5	14.3	0.31	-0.27	2.63	7.4	-20.4
2,275.0	3.20	348.10	2,273.4	61.6	13.0	0.30	0.05	-5.43	16.9	-18.1
2,460.0	3.10	355.30	2,458.2	71.6	11.6	0.22	-0.05	3.89	20.5	-19.8
2,646.0	4.00	354.60	2,643.8	83.1	10.5	0.48	0.48	-0.38	25.4	-19.8
2,832.0	5.20	343.80	2,829.2	97.7	7.6	0.79	0.65	-5.81	29.8	-13.1
3,017.0	4.90	348.80	3,013.5	113.5	3.7	0.29	-0.16	2.70	28.4	-13.6
3,203.0	5.50	348.20	3,198.7	130.0	0.3	0.32	0.32	-0.32	27.8	-11.8
3,389.0	5.20	345.40	3,383.9	146.9	-3.6	0.21	-0.16	-1.51	25.2	-8.7
3,575.0	5.40	341.90	3,569.1	163.3	-8.5	0.20	0.11	-1.88	16.9	-5.9
3,762.0	5.60	342.40	3,755.2	180.4	-13.9	0.11	0.11	0.27	1.3	-5.5
3,948.0	3.20	331.20	3,940.7	193.6	-19.2	1.36	-1.29	-6.02	-11.7	-6.9



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference:							
Project: Lea County, NM (NAD 27 NME)				TVD Reference:							
Site: Wheatfield 16 State				MD Reference:							
Well: #701H				North Reference:							
Wellbore: OH				Survey Calculation Method:							
Design: OH				Database:							
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)	
4,133.0	2.20	334.30	4,125.5	201.3	-23.2	0.55	-0.54	1.68	-20.8	-6.0	
4,319.0	1.00	133.20	4,311.4	203.4	-23.6	1.70	-0.65	85.43	18.9	14.4	
4,505.0	2.60	139.80	4,497.3	199.1	-19.7	0.87	0.86	3.55	14.6	12.3	
4,691.0	2.60	154.20	4,683.2	192.1	-15.1	0.35	0.00	7.74	8.9	9.3	
4,877.0	3.40	136.60	4,868.9	184.3	-9.5	0.65	0.43	-9.46	-3.8	10.3	
5,063.0	1.30	127.60	5,054.7	179.0	-4.0	1.14	-1.13	-4.84	-13.0	8.7	
5,248.0	1.20	105.70	5,239.7	177.2	-0.5	0.26	-0.05	-11.84	-19.2	2.4	
5,435.0	0.80	89.80	5,426.7	176.6	2.7	0.26	-0.21	-8.50	-22.3	-3.4	
5,621.0	0.20	218.90	5,612.7	176.4	3.8	0.50	-0.32	69.41	11.9	20.5	
5,809.0	0.20	84.20	5,800.7	176.2	3.9	0.20	0.00	-71.65	-23.0	-6.2	
5,994.0	0.40	258.20	5,985.7	176.1	3.6	0.32	0.11	94.05	21.9	8.6	
6,180.0	0.50	309.90	6,171.7	176.5	2.3	0.22	0.05	27.80	19.1	-11.4	
6,366.0	0.50	294.30	6,357.6	177.3	1.0	0.07	0.00	-8.39	19.9	-6.0	
6,553.0	0.40	310.80	6,544.6	178.1	-0.3	0.09	-0.05	8.82	15.9	-11.2	
6,740.0	0.30	298.70	6,731.6	178.7	-1.2	0.07	-0.05	-6.47	16.8	-7.7	
6,928.0	0.40	334.20	6,919.6	179.6	-1.9	0.12	0.05	18.88	8.1	-15.7	
7,113.0	0.30	322.90	7,104.6	180.5	-2.5	0.07	-0.05	-6.11	9.9	-14.0	
7,300.0	0.30	271.60	7,291.6	180.9	-3.3	0.14	0.00	-27.43	16.3	-1.4	
7,487.0	0.20	270.40	7,478.6	181.0	-4.1	0.05	-0.05	-0.64	15.5	-1.1	
7,673.0	0.40	252.30	7,664.6	180.8	-5.0	0.12	0.11	-9.73	14.1	3.7	
7,860.0	0.40	261.20	7,851.6	180.5	-6.3	0.03	0.00	4.76	13.2	1.6	
8,046.0	0.70	261.00	8,037.6	180.2	-8.1	0.16	0.16	-0.11	11.4	1.6	
8,233.0	0.80	238.90	8,224.6	179.3	-10.3	0.16	0.05	-11.82	7.6	5.4	
8,421.0	0.60	239.90	8,412.6	178.2	-12.3	0.11	-0.11	0.53	5.4	5.3	
8,607.0	0.50	256.10	8,598.6	177.5	-13.9	0.10	-0.05	8.71	4.9	3.8	
8,793.0	0.60	234.30	8,784.6	176.7	-15.5	0.12	0.05	-11.72	1.4	5.1	
8,979.0	0.90	261.00	8,970.5	175.9	-17.7	0.24	0.16	14.35	1.2	4.3	



EOG Resources, Inc.
EOG PVA

Company:				Local Co-ordinate Reference:							
Project:				Well #701H							
Site:				KB = 25 @ 3268.0usft (Precision 612)							
Well:				KB = 25 @ 3268.0usft (Precision 612)							
Wellbore:				Grid							
Design:				Minimum Curvature							
				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)	
9,164.0	1.10	248.00	9,155.5	175.0	-20.8	0.16	0.11	-7.03	-3.0	-3.0	4.2
9,350.0	1.10	283.50	9,341.5	174.8	-24.2	0.36	0.00	19.09	-3.2	-3.2	6.2
9,536.0	1.10	266.80	9,527.5	175.1	-27.7	0.17	0.00	-8.98	-8.4	-8.4	4.5
9,722.0	1.10	276.20	9,713.4	175.2	-31.3	0.10	0.00	5.05	-11.1	-11.1	6.1
9,908.0	1.80	271.60	9,899.4	175.5	-36.0	0.38	0.38	-2.47	-16.2	-16.2	5.0
10,094.0	0.80	280.40	10,085.3	175.8	-40.2	0.55	-0.54	4.73	-19.5	-19.5	7.9
10,280.0	1.40	82.30	10,271.3	176.3	-39.2	1.17	0.32	87.04	19.9	19.9	-1.0
10,466.0	1.50	71.70	10,457.2	177.4	-34.6	0.15	0.05	-5.70	15.1	15.1	2.2
10,559.0	1.30	70.50	10,550.2	178.1	-32.5	0.22	-0.22	-1.29	12.8	12.8	2.5
10,653.0	1.00	69.60	10,644.2	178.8	-30.7	0.32	-0.32	-0.96	10.8	10.8	2.7
10,734.0	0.90	61.40	10,725.2	179.3	-29.5	0.21	-0.12	-10.12	9.0	9.0	4.1
10,745.0	0.90	69.40	10,736.2	179.4	-29.3	1.14	0.00	72.73	9.3	9.3	2.8
10,838.0	0.60	70.00	10,829.2	179.8	-28.2	0.32	-0.32	0.65	8.1	8.1	2.7
10,866.0	0.40	75.40	10,857.2	179.9	-27.9	0.73	-0.71	19.29	8.1	8.1	2.0
10,931.0	0.40	63.50	10,922.2	180.0	-27.5	0.13	0.00	-18.31	7.1	7.1	3.6
10,959.0	0.40	42.70	10,950.2	180.2	-27.4	0.52	0.00	-74.29	5.2	5.2	5.8
11,119.0	2.10	274.60	11,110.1	180.8	-29.9	1.48	1.06	-80.06	-10.3	-10.3	0.0
11,212.0	5.00	261.70	11,202.9	180.3	-35.6	3.21	3.12	-13.87	-15.8	-15.8	-2.7
11,305.0	4.30	273.00	11,295.6	179.9	-43.1	1.24	-0.75	12.15	-23.5	-23.5	1.3
11,398.0	3.00	88.20	11,388.6	180.2	-44.2	7.84	-1.40	188.39	24.5	24.5	1.0
11,492.0	2.70	133.20	11,482.5	178.8	-40.1	2.34	-0.32	47.87	14.1	14.1	-14.9
11,585.0	2.50	164.90	11,575.4	175.3	-38.0	1.54	-0.22	34.09	0.3	0.3	-19.0
11,679.0	1.80	147.50	11,669.3	172.1	-36.6	1.01	-0.74	-18.51	2.5	2.5	-18.6
11,772.0	0.90	168.90	11,762.3	170.1	-35.7	1.09	-0.97	23.01	-6.6	-6.6	-17.7
11,864.0	1.20	181.60	11,854.3	168.5	-35.6	0.41	0.33	13.80	-12.0	-12.0	-15.7
11,959.0	6.60	181.80	11,949.0	162.0	-35.8	5.68	5.68	0.21	-13.6	-13.6	-15.8
12,006.0	16.10	175.10	11,995.0	152.8	-35.3	20.37	20.21	-14.26	-12.8	-12.8	-17.0



EOG Resources, Inc.
EOG PVA

Company:			Local Co-ordinate Reference:										Well #701H	
Project:			TVD Reference:										KB = 25 @ 3268.0usft (Precision 612)	
Site:			MD Reference:										KB = 25 @ 3268.0usft (Precision 612)	
Well:			North Reference:										Grid	
Wellbore:			Survey Calculation Method:										Minimum Curvature	
Design:			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)				
12,053.0	20.80	173.00	12,039.6	138.0	-33.8	10.10	10.00	-4.47	-15.3	-16.3				
12,100.0	24.60	168.90	12,083.0	120.1	-30.9	8.75	8.09	-8.72	-17.0	-14.9				
12,145.0	27.50	167.70	12,123.4	100.8	-26.8	6.55	6.44	-2.67	-18.4	-11.5				
12,192.0	33.30	172.60	12,163.9	77.4	-22.9	13.41	12.34	10.43	-20.4	-6.3				
12,238.0	38.40	179.50	12,201.2	50.5	-21.1	14.13	11.09	15.00	-22.4	-2.6				
12,285.0	41.60	183.00	12,237.2	20.3	-21.8	8.32	6.81	7.45	-23.5	-2.5				
12,332.0	48.50	181.90	12,270.4	-12.9	-23.2	14.77	14.68	-2.34	-24.6	-4.6				
12,378.0	53.00	180.50	12,299.5	-48.5	-23.9	10.06	9.78	-3.04	-26.3	-6.0				
12,424.0	57.30	181.90	12,325.8	-86.2	-24.7	9.68	9.35	3.04	-27.9	-6.8				
12,440.7	58.58	181.79	12,334.6	-100.4	-25.2	7.68	7.66	-0.65	-28.2	-7.4				
HL Crossing:12440.7' MD: 12334.6' TVD: -100.4'; -25.2'; 58.58														
12,471.0	60.90	181.60	12,349.9	-126.5	-26.0	7.68	7.66	-0.63	-28.5	-8.5				
12,517.0	64.40	181.40	12,371.0	-167.4	-27.0	7.62	7.61	-0.43	-28.1	-10.0				
12,564.0	68.70	180.00	12,389.7	-210.5	-27.5	9.55	9.15	-2.98	-26.8	-11.2				
12,612.0	72.60	179.30	12,405.6	-255.7	-27.3	8.24	8.12	-1.46	-24.8	-11.5				
12,659.0	78.00	178.80	12,417.6	-301.2	-26.5	11.54	11.49	-1.06	-22.6	-11.1				
12,705.0	86.70	180.70	12,423.7	-346.7	-26.3	19.35	18.91	4.13	-22.3	-11.2				
12,736.0	90.50	182.60	12,424.4	-377.7	-27.2	13.70	12.26	6.13	-23.3	-12.4				
12,767.0	89.80	181.10	12,424.4	-408.7	-28.2	5.34	-2.26	-4.84	-23.8	-13.7				
12,798.0	91.50	182.10	12,424.0	-439.7	-29.1	6.36	5.48	3.23	-24.5	-14.8				
12,828.0	92.10	183.20	12,423.1	-469.6	-30.5	4.18	2.00	3.67	-25.8	-16.5				
12,860.0	89.30	181.10	12,422.7	-501.6	-31.7	10.94	-8.75	-6.56	-26.5	-17.9				
12,891.0	91.00	181.60	12,422.6	-532.6	-32.4	5.72	5.48	1.61	-26.9	-18.9				
12,922.0	90.00	180.70	12,422.3	-563.6	-33.0	4.34	-3.23	-2.90	-27.5	-19.8				
12,953.0	90.70	178.40	12,422.1	-594.6	-32.8	7.76	2.26	-7.42	-28.0	-19.8				
12,984.0	92.10	177.40	12,421.4	-625.5	-31.6	5.55	4.52	-3.23	-29.1	-19.0				
13,078.0	89.60	174.00	12,420.0	-719.2	-24.6	4.49	-2.66	-3.62	-31.6	-12.7				



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference:							
Project: Lea County, NM (NAD 27 NME)				TVD Reference:				Well #701H			
Site: Wheatfield 16 State				MD Reference:				KB = 25 @ 3268.0usft (Precision 612)			
Well: #701H				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)	
13,171.0	91.50	175.10	12,419.1	-811.8	-15.8	2.36	2.04	1.18	-33.4	-4.7	
13,264.0	89.60	174.40	12,418.2	-904.4	-7.3	2.18	-2.04	-0.75	-35.3	3.0	
13,326.0	88.10	175.40	12,419.4	-966.1	-1.7	2.91	-2.42	1.61	-34.8	7.9	
13,357.0	88.00	177.70	12,420.5	-997.1	0.1	7.42	-0.32	7.42	-34.1	9.6	
13,387.0	88.00	178.10	12,421.5	-1,027.0	1.2	1.33	0.00	1.33	-33.3	10.4	
13,418.0	89.40	179.00	12,422.2	-1,058.0	2.0	5.37	4.52	2.90	-33.0	10.9	
13,450.0	93.20	179.70	12,421.5	-1,090.0	2.4	12.07	11.87	2.19	-34.0	11.1	
13,481.0	96.60	181.80	12,418.9	-1,120.9	2.0	12.88	10.97	6.77	-37.0	10.4	
13,510.0	100.80	183.00	12,414.5	-1,149.5	0.8	15.05	14.48	4.14	-41.7	9.1	
13,543.0	98.50	183.00	12,409.0	-1,182.0	-0.9	6.97	-6.97	0.00	-47.6	7.0	
13,574.0	92.30	181.60	12,406.0	-1,212.8	-2.2	20.50	-20.00	-4.52	-50.8	5.5	
13,605.0	90.20	181.20	12,405.4	-1,243.8	-2.9	6.90	-6.77	-1.29	-51.9	4.4	
13,635.0	91.60	181.40	12,404.9	-1,273.8	-3.6	4.71	4.67	0.67	-52.7	3.5	
13,729.0	90.20	180.50	12,403.4	-1,367.8	-5.2	1.77	-1.49	-0.96	-55.2	1.1	
13,822.0	88.10	179.80	12,404.8	-1,460.7	-5.4	2.38	-2.26	-0.75	-54.8	0.1	
13,916.0	89.90	179.10	12,406.4	-1,554.7	-4.5	2.05	1.91	-0.74	-54.0	0.2	
14,009.0	90.70	177.90	12,405.9	-1,647.7	-2.1	1.55	0.86	-1.29	-55.1	1.8	
14,103.0	90.00	179.50	12,405.4	-1,741.7	0.1	1.86	-0.74	1.70	-56.3	3.1	
14,196.0	91.50	180.40	12,404.2	-1,834.6	0.1	1.88	1.61	0.97	-58.1	2.4	
14,290.0	87.20	179.70	12,405.2	-1,928.6	0.1	4.63	-4.57	-0.74	-57.7	1.6	
14,383.0	89.50	180.20	12,407.9	-2,021.6	0.1	2.53	2.47	0.54	-55.6	0.8	
14,476.0	90.60	180.00	12,407.8	-2,114.6	0.0	1.20	1.18	-0.22	-56.3	-0.1	
14,570.0	90.90	179.70	12,406.6	-2,208.6	0.2	0.45	0.32	-0.32	-58.2	-0.7	
14,663.0	88.60	178.10	12,407.0	-2,301.5	2.0	3.01	-2.47	-1.72	-58.4	0.3	
14,757.0	92.00	178.60	12,406.5	-2,395.5	4.7	3.66	3.62	0.53	-59.5	2.2	
14,851.0	90.60	176.70	12,404.4	-2,489.4	8.6	2.51	-1.49	-2.02	-62.2	5.3	
14,945.0	87.80	178.10	12,405.7	-2,583.3	12.8	3.33	-2.98	1.49	-61.6	8.8	



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland			Local Co-ordinate Reference:					Well #701H		
Project: Lea County, NM (NAD 27 NME)			TVD Reference:					KB = 25 @ 3268.0usft (Precision 612)		
Site: Wheatfield 16 State			MD Reference:					KB = 25 @ 3268.0usft (Precision 612)		
Well: #701H			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)
15,037.0	88.10	176.80	12,409.0	-2,675.1	16.9	1.45	0.33	-1.41	-58.9	12.1
15,130.0	90.20	179.30	12,410.3	-2,768.0	20.1	3.51	2.26	2.69	-58.1	14.5
15,224.0	90.50	179.50	12,409.8	-2,862.0	21.1	0.38	0.32	0.21	-59.3	14.7
15,318.0	91.70	179.80	12,408.0	-2,956.0	21.6	1.32	1.28	0.32	-61.7	14.4
15,411.0	90.10	179.80	12,406.5	-3,049.0	22.0	1.72	-1.72	0.00	-64.0	14.0
15,505.0	88.50	180.70	12,407.7	-3,143.0	21.6	1.95	-1.70	0.96	-63.7	12.8
15,598.0	87.80	180.90	12,410.7	-3,235.9	20.3	0.78	-0.75	0.22	-61.7	10.7
15,692.0	87.90	181.40	12,414.2	-3,329.8	18.4	0.54	0.11	0.53	-59.1	8.0
15,785.0	88.50	181.90	12,417.1	-3,422.7	15.7	0.84	0.65	0.54	-57.1	4.5
15,877.0	87.70	181.90	12,420.2	-3,514.6	12.6	0.87	-0.87	0.00	-54.9	0.7
15,970.0	88.50	181.80	12,423.2	-3,607.5	9.6	0.87	0.86	-0.11	-52.8	-3.1
16,063.0	89.10	181.90	12,425.2	-3,700.5	6.6	0.65	0.65	0.11	-51.7	-6.9
16,157.0	90.40	181.80	12,425.6	-3,794.4	3.6	1.39	1.38	-0.11	-52.3	-10.7
16,250.0	89.50	179.70	12,425.7	-3,887.4	2.4	2.46	-0.97	-2.26	-53.1	-12.7
16,345.0	88.60	177.40	12,427.3	-3,982.3	4.8	2.60	-0.95	-2.42	-52.5	-11.1
16,438.0	86.60	176.00	12,431.2	-4,075.1	10.1	2.62	-2.15	-1.51	-49.5	-6.6
16,530.0	87.40	176.10	12,436.0	-4,166.8	16.5	0.88	0.87	0.11	-45.6	-1.0
16,623.0	91.40	176.10	12,436.9	-4,259.5	22.8	4.30	4.30	0.00	-45.5	4.5
16,717.0	89.90	176.50	12,435.9	-4,353.3	28.9	1.65	-1.60	0.43	-47.5	9.8
16,810.0	90.10	178.80	12,435.9	-4,446.2	32.7	2.48	0.22	2.47	-48.4	12.8
16,903.0	89.00	179.80	12,436.6	-4,539.2	33.8	1.60	-1.18	1.08	-48.6	13.2
16,997.0	89.00	179.50	12,438.2	-4,633.2	34.4	0.32	0.00	-0.32	-47.9	13.0
17,082.1	89.92	179.77	12,439.0	-4,718.3	34.9	1.12	1.08	0.32	-48.0	12.8
HL Crossing: 17082.1' MD: 12439.0' TVD: -4718.3'; 34.9'; 89.92										
17,090.0	90.00	179.80	12,439.1	-4,726.2	35.0	1.12	1.08	0.32	-48.0	12.7
17,117.0	90.40	180.20	12,439.0	-4,753.2	35.0	2.10	1.48	1.48	-48.4	12.5
Last MWD Survey										



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:		Well #701H	
Project: Lea County, NM (NAD 27 NME)		TVD Reference:		KB = 25 @ 3268.0ust (Precision 612)	
Site: Wheatfield 16 State		MD Reference:		KB = 25 @ 3268.0ust (Precision 612)	
Well: #701H		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)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	Right to Plan (usft)
17,182.0	90.40	180.20	12,438.5	-4,818.2	34.7	0.00	0.00	0.00	-49.5
Projection To Bit									
11.7									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
12,440.7	12,334.6	-100.4	-25.2	HL Crossing, 12440.7' MD; 12334.6' TVD; -100.4'; -25.2'; 58.58
17,082.1	12,439.0	-4,718.3	34.9	HL Crossing, 17082.1' MD; 12439.0' TVD; -4718.3'; 34.9'; 89.92
17,117.0	12,439.0	-4,753.2	35.0	Last MWD Survey
17,182.0	12,438.5	-4,818.2	34.7	Projection To Bit

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------