



Lea County, NM (NAD 27 NME)

Diamond 5 Fed Com #6H

Nomac 55

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
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #6H

Ground Level: 3377.0
KB = 21 @ 3398.0usft (Nomac 55)
Northing: 420210.00 Easting: 761321.00
Latitude: 32° 9' 8.845 N Longitude: 103° 29' 20.260 W



Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.71°
Magnetic Field
Strength: 48136.7nT
Dip Angle: 60.04°
Date: 3/9/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.71°
To convert a Magnetic Direction to a True Direction, Add 7.16° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

SECTION DETAILS

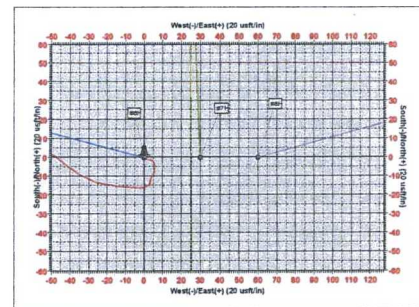
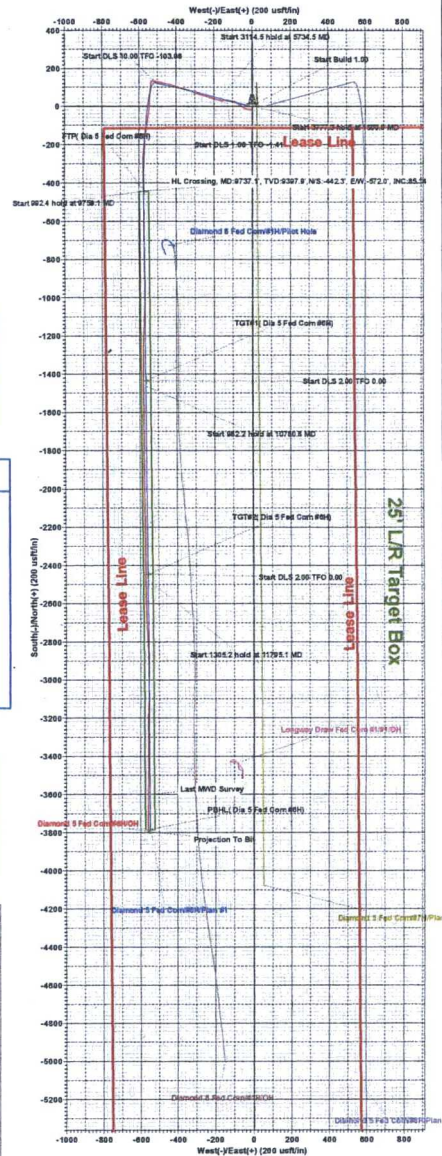
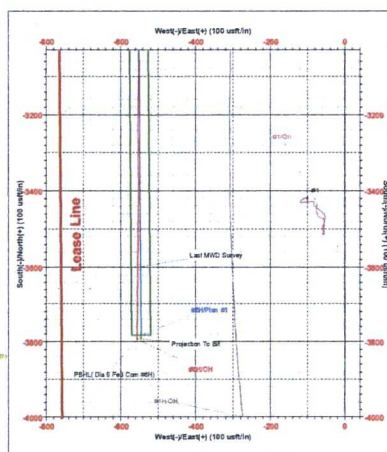
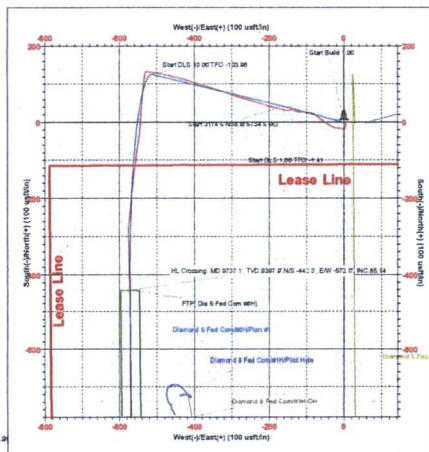
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.00	0.00	0.00	0.0	
3	1500.0	2.00	284.52	1500.0	0.9	-3.4	1.00	284.52	-0.4	
4	5277.3	2.00	284.52	5275.0	33.9	-131.0	0.00	0.00	-14.9	
5	5734.5	6.57	283.54	5730.7	42.1	-164.2	1.00	-1.41	-18.2	
6	8849.0	6.57	283.54	8824.8	125.5	-510.7	0.00	0.00	-51.4	
7	9759.1	89.42	179.55	9410.0	-442.0	-571.0	10.00	-103.96	518.9	FTP (Dia 5 Fed Com #6H)
8	10751.5	89.42	179.55	9420.0	-1434.3	-563.3	0.00	0.00	1500.0	TGT#1 (Dia 5 Fed Com #6H)
9	10780.8	90.01	179.55	9420.1	-1463.6	-563.0	2.00	0.00	1528.9	
10	11763.0	90.01	179.55	9420.0	-2445.8	-555.4	0.00	0.00	2500.0	TGT#2 (Dia 5 Fed Com #6H)
11	11795.1	90.65	179.55	9419.8	-2477.9	-555.2	2.00	0.00	2531.7	
12	13100.3	90.65	179.55	9405.0	-3783.0	-545.0	0.00	0.00	3822.1	PBHL (Dia 5 Fed Com #6H)

CASING DETAILS

TVD MD Name Size
1200.0 1200.0 13 3/8" 13-3/8
5175.0 5177.3 9 5/8" 9-5/8

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Dia 5 Fed Com #6H)	9405.0	-3783.0	-545.0	418427.00	760778.00
FTP (Dia 5 Fed Com #6H)	9410.0	-442.0	-571.0	418768.00	760750.00
TGT#1 (Dia 5 Fed Com #6H)	9420.0	-1434.3	-563.3	418775.70	760757.72
TGT#2 (Dia 5 Fed Com #6H)	9420.0	-2445.8	-555.4	417764.20	760765.59



HOBBS OCD

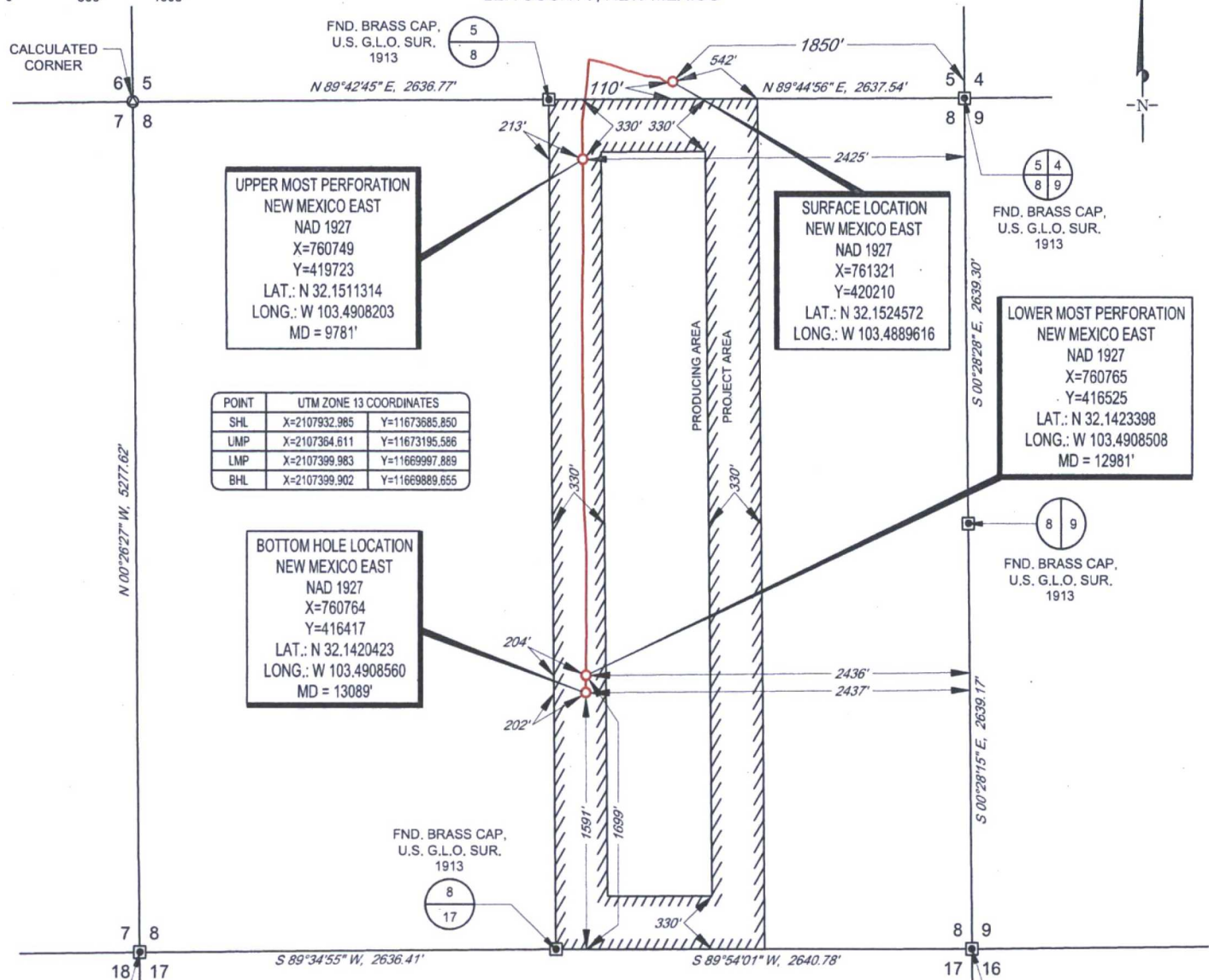
JUL 03 2017

RECEIVED

SCALE: 1" = 1000'

0' 500' 1000'

SECTION 5 & 8, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

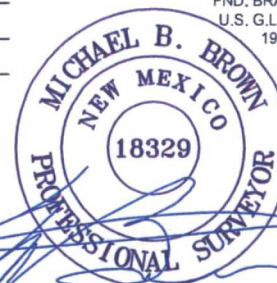


LEASE NAME & WELL NO.: DIAMOND 5 FED COM #6H
SECTION 5 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3377'
DESCRIPTION 110' FSL & 1850' FEL



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
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WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
MARCH 10, 2017

EOG resources, inc.

DIAMOND 5 FED COM #6H AS-COMPLETED	REVISION:
DATE: 03/10/17	
FILE: AD_DIAMOND5FEDCOM_6H	
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 EASEMENT/SERVITUDE 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.



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Diamond 5 Fed Com

#6H

OH

Design: OH

EOG PVA

26 March, 2015



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland Project: Lea County, NM (NAD 27 NME) Site: Diamond 5 Fed Com Well: #6H Wellbore: OH Design: OH		Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:		Well #6H KB = 21 @ 3398.0usft (Nomac 55) KB = 21 @ 3398.0usft (Nomac 55) Grid Minimum Curvature EDM 5000.1 Single User Db	
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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 Diamond 5 Fed Com					
Site Position:		Northing: 420,210.00 usft		Latitude: 32° 9' 8.845 N	
From: Map		Easting: 761,321.00 usft		Longitude: 103° 29' 20.260 W	
Position Uncertainty: 0.0 usft		Slot Radius: 13-3/16 "		Grid Convergence: 0.45 °	

Well #6H					
Well Position		Northing: 420,210.00 usft		Latitude: 32° 9' 8.845 N	
+N/-S 0.0 usft		Easting: 761,321.00 usft		Longitude: 103° 29' 20.260 W	
+E/-W 0.0 usft		Wellhead Elevation: 0.0 usft		Ground Level: 3,377.0 usft	
Position Uncertainty 0.0 usft					

Wellbore OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/9/2015	7.16	60.04	48,139

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	188.20	

Survey Program Date 3/26/2015					
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
182.0	13,090.0	MWD #1 (OH)	MWD	MWD - Standard	



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EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Diamond 5 Fed Com
Well: #6H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #6H
TVD Reference: KB = 21 @ 3398.0usft (Nomac 55)
MD Reference: KB = 21 @ 3398.0usft (Nomac 55)
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
182.0	1.00	109.60	182.0	-0.5	1.5	0.55	0.55	0.00	-1.6	0.0
271.0	0.70	102.80	271.0	-0.9	2.8	0.36	-0.34	-7.64	-2.9	-0.3
330.0	1.00	104.30	330.0	-1.1	3.6	0.51	0.51	2.54	-3.8	-0.2
419.0	0.60	125.90	419.0	-1.6	4.7	0.56	-0.45	24.27	-4.8	1.5
512.0	0.80	169.70	512.0	-2.5	5.2	0.60	0.22	47.10	-3.4	4.7
604.0	1.10	170.90	603.9	-4.0	5.5	0.33	0.33	1.30	-4.8	4.8
696.0	1.30	176.90	695.9	-5.9	5.7	0.26	0.22	6.52	-6.2	5.4
789.0	1.10	200.50	788.9	-7.8	5.4	0.57	-0.22	25.38	-5.4	7.8
884.0	0.70	216.80	883.9	-9.1	4.8	0.50	-0.42	17.16	-4.5	9.3
979.0	0.80	207.60	978.9	-10.2	4.1	0.16	0.11	-9.68	-7.1	8.4
1,073.0	0.80	200.80	1,072.9	-11.4	3.6	0.10	0.00	-7.23	-9.4	7.4
1,169.0	0.80	187.30	1,168.9	-12.7	3.3	0.20	0.00	-14.06	-12.2	4.8
1,269.0	1.00	191.90	1,268.9	-14.2	3.0	0.21	0.20	4.60	-13.3	5.9
1,460.0	1.70	267.40	1,459.8	-16.0	-0.2	0.91	0.37	39.53	1.2	16.6
1,554.0	2.50	272.10	1,553.8	-16.0	-3.6	0.87	0.85	5.00	2.2	17.2
1,744.0	2.90	276.70	1,743.5	-15.3	-12.5	0.24	0.21	2.42	1.2	18.2
1,840.0	2.90	277.80	1,839.4	-14.6	-17.4	0.06	0.00	1.15	0.0	18.7
1,935.0	2.70	280.20	1,934.3	-13.9	-21.9	0.24	-0.21	2.53	-0.5	19.0
2,030.0	2.60	291.80	2,029.2	-12.7	-26.1	0.57	-0.11	12.21	2.2	18.7
2,125.0	2.50	295.50	2,124.1	-11.0	-30.0	0.20	-0.11	3.89	2.5	18.1
2,220.0	2.60	294.70	2,219.0	-9.2	-33.8	0.11	0.11	-0.84	1.3	17.5
2,411.0	2.40	311.40	2,409.8	-4.8	-40.8	0.39	-0.10	8.74	4.0	14.6
2,506.0	2.40	314.30	2,504.8	-2.1	-43.7	0.13	0.00	3.05	3.7	12.8
2,601.0	3.00	299.00	2,599.6	0.5	-47.3	0.98	0.63	-16.11	-1.0	12.0
2,695.0	3.30	295.90	2,693.5	2.9	-51.9	0.37	0.32	-3.30	-3.6	11.1
2,790.0	2.80	299.00	2,788.4	5.2	-56.4	0.55	-0.53	3.26	-4.9	10.6



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Diamond 5 Fed Com
Well: #6H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #6H
TVD Reference: KB = 21 @ 3398.0usft (Nomac 55)
MD Reference: KB = 21 @ 3398.0usft (Nomac 55)
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)
2,885.0	2.70	306.90	2,883.3	7.7	-60.2	0.41	-0.11	8.32	-4.8	10.3
2,979.0	2.30	306.40	2,977.2	10.1	-63.5	0.43	-0.43	-0.53	-6.0	9.0
3,167.0	2.00	322.90	3,165.0	15.0	-68.5	0.36	-0.16	8.78	-4.9	7.3
3,262.0	3.30	300.50	3,259.9	17.7	-71.8	1.72	1.37	-23.58	-8.4	3.3
3,357.0	2.70	305.40	3,354.8	20.4	-76.0	0.69	-0.63	5.16	-10.0	3.1
3,548.0	2.10	296.60	3,545.6	24.5	-82.8	0.37	-0.31	-4.61	-11.8	-0.5
3,642.0	2.50	279.60	3,639.6	25.7	-86.4	0.84	0.43	-18.09	-11.5	-4.2
3,737.0	2.60	274.70	3,734.5	26.2	-90.6	0.25	0.11	-5.16	-12.1	-4.8
3,832.0	2.50	278.30	3,829.4	26.7	-94.8	0.20	-0.11	3.79	-13.3	-3.5
3,927.0	2.20	277.00	3,924.3	27.2	-98.6	0.32	-0.32	-1.37	-13.8	-3.4
4,022.0	2.00	277.90	4,019.2	27.6	-102.1	0.21	-0.21	0.95	-14.0	-2.8
4,117.0	3.20	272.90	4,114.1	28.0	-106.4	1.28	1.26	-5.26	-14.8	-3.5
4,212.0	3.30	276.40	4,209.0	28.4	-111.7	0.23	0.11	3.68	-17.1	-1.9
4,306.0	3.00	273.80	4,302.8	28.9	-116.9	0.35	-0.32	-2.77	-18.9	-2.2
4,401.0	2.70	279.00	4,397.7	29.4	-121.6	0.42	-0.32	5.47	-20.5	0.0
4,496.0	2.20	283.10	4,492.6	30.2	-125.6	0.56	-0.53	4.32	-21.1	1.7
4,687.0	0.90	281.10	4,683.6	31.3	-130.6	0.68	-0.68	-1.05	-19.7	1.3
4,782.0	2.30	298.30	4,778.5	32.3	-133.0	1.54	1.47	18.11	-17.8	6.5
4,878.0	1.90	304.80	4,874.5	34.2	-136.0	0.48	-0.42	6.77	-17.4	7.5
4,973.0	2.00	269.80	4,969.4	35.1	-139.0	1.24	0.11	-36.84	-18.3	-3.9
5,068.0	3.20	254.90	5,064.3	34.4	-143.2	1.44	1.26	-15.68	-18.0	-7.2
5,133.0	2.70	259.60	5,129.2	33.6	-146.4	0.85	-0.77	7.23	-19.9	-4.6
5,239.0	2.60	256.30	5,235.1	32.6	-151.2	0.17	-0.09	-3.11	-21.2	-4.1
5,334.0	3.70	279.80	5,330.0	32.6	-156.3	1.76	1.16	24.74	-22.6	5.8
5,430.0	4.90	284.30	5,425.7	34.1	-163.4	1.30	1.25	4.69	-24.1	7.8
5,524.0	6.20	283.80	5,519.3	36.3	-172.2	1.38	1.38	-0.53	-26.7	7.5
5,620.0	5.80	283.90	5,614.7	38.7	-181.9	0.42	-0.42	0.10	-28.5	7.5



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Diamond 5 Fed Com
Well: #6H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #6H
TVD Reference: KB = 21 @ 3398.0usft (Nomac 55)
MD Reference: KB = 21 @ 3398.0usft (Nomac 55)
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)
5,715.0	6.60	286.90	5,709.2	41.5	-191.8	0.91	0.84	3.16	-28.6	8.7
5,810.0	7.90	287.30	5,803.4	45.0	-203.3	1.37	1.37	0.42	-29.7	8.2
5,905.0	7.60	287.20	5,897.5	48.8	-215.5	0.32	-0.32	-0.11	-31.7	7.5
6,000.0	7.60	287.40	5,991.7	52.5	-227.5	0.03	0.00	0.21	-33.4	6.9
6,095.0	7.40	285.20	6,085.9	56.0	-239.4	0.37	-0.21	-2.32	-35.1	5.0
6,191.0	6.70	285.70	6,181.2	59.2	-250.8	0.73	-0.73	0.52	-35.9	5.0
6,286.0	7.40	285.60	6,275.4	62.3	-262.0	0.74	0.74	-0.11	-36.7	4.5
6,381.0	7.10	284.50	6,369.7	65.4	-273.6	0.35	-0.32	-1.16	-37.9	3.5
6,476.0	6.90	284.60	6,464.0	68.3	-284.8	0.21	-0.21	0.11	-38.6	3.4
6,572.0	7.90	289.50	6,559.2	72.0	-296.6	1.23	1.04	5.10	-39.6	6.0
6,762.0	7.70	289.20	6,747.4	80.5	-320.9	0.11	-0.11	-0.16	-43.8	3.6
6,857.0	7.50	288.30	6,841.6	84.6	-332.8	0.24	-0.21	-0.95	-45.6	1.9
6,952.0	7.20	288.10	6,935.8	88.4	-344.3	0.32	-0.32	-0.21	-47.0	0.9
7,047.0	6.70	288.90	7,030.1	92.0	-355.2	0.54	-0.53	0.84	-47.6	0.6
7,142.0	7.10	286.60	7,124.4	95.5	-366.1	0.51	0.42	-2.42	-48.2	-2.1
7,236.0	6.70	287.40	7,217.7	98.8	-376.9	0.44	-0.43	0.85	-48.8	-2.1
7,331.0	7.90	287.70	7,312.0	102.4	-388.4	1.26	1.26	0.32	-50.0	-2.6
7,427.0	7.50	287.20	7,407.1	106.3	-400.7	0.42	-0.42	-0.52	-51.9	-3.8
7,522.0	7.00	287.10	7,501.3	109.8	-412.1	0.53	-0.53	-0.11	-53.0	-4.6
7,618.0	7.30	284.30	7,596.6	113.1	-423.6	0.48	0.31	-2.92	-53.7	-7.6
7,712.0	7.10	285.40	7,689.9	116.1	-435.0	0.26	-0.21	1.17	-54.9	-6.8
7,807.0	6.80	284.50	7,784.2	119.0	-446.1	0.34	-0.32	-0.95	-55.4	-7.9
7,903.0	7.90	282.60	7,879.4	121.9	-458.1	1.17	1.15	-1.98	-56.4	-9.7
7,998.0	6.90	283.00	7,973.6	124.6	-470.0	1.05	-1.05	0.42	-57.9	-9.2
8,093.0	6.60	281.10	8,067.9	126.9	-480.9	0.39	-0.32	-2.00	-57.8	-10.8
8,189.0	6.00	280.70	8,163.3	128.9	-491.3	0.63	-0.62	-0.42	-57.3	-10.7
8,283.0	5.40	280.00	8,256.9	130.6	-500.5	0.64	-0.64	-0.74	-55.8	-10.8



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EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Diamond 5 Fed Com
Well: #6H
Wellbore: OH
Design: OH

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

Well #6H
KB = 21 @ 3398.0usft (Nomac 55)
KB = 21 @ 3398.0usft (Nomac 55)
Grid
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)
8,378.0	4.70	278.20	8,351.5	131.9	-508.7	0.76	-0.74	-1.89	-52.9	-11.7
8,474.0	4.00	276.40	8,447.2	132.9	-515.9	0.74	-0.73	-1.87	-48.9	-12.1
8,568.0	2.90	284.50	8,541.1	133.8	-521.5	1.28	-1.17	8.62	-45.0	-4.8
8,662.0	2.60	284.40	8,634.9	135.0	-525.9	0.32	-0.32	-0.11	-38.7	-5.1
8,757.0	0.80	294.00	8,729.9	135.8	-528.6	1.91	-1.89	10.11	-31.1	-0.2
8,787.0	0.60	287.40	8,759.9	135.9	-528.9	0.72	-0.67	-22.00	-27.8	-4.0
8,872.0	3.90	200.00	8,844.8	133.3	-530.3	4.61	3.88	-102.82	1.2	-18.9
8,917.0	9.80	189.90	8,889.5	128.1	-531.5	13.33	13.11	-22.44	2.1	-14.2
8,966.0	15.90	186.40	8,937.2	117.3	-533.0	12.54	12.45	-7.14	-1.1	-9.7
9,061.0	23.30	186.60	9,026.7	85.7	-536.6	7.79	7.79	0.21	-8.2	-2.4
9,108.0	28.50	184.80	9,068.9	65.3	-538.6	11.19	11.06	-3.83	-11.1	0.3
9,156.0	34.50	184.10	9,109.8	40.3	-540.5	12.52	12.50	-1.46	-14.8	3.1
9,203.0	39.70	184.70	9,147.3	12.0	-542.7	11.09	11.06	1.28	-19.0	5.7
9,251.0	39.20	185.20	9,184.4	-18.4	-545.3	1.23	-1.04	1.04	-21.2	7.4
9,298.0	45.60	188.10	9,219.1	-49.8	-549.0	14.24	13.62	6.17	-21.5	8.2
9,346.0	49.80	188.50	9,251.4	-85.0	-554.2	8.77	8.75	0.83	-22.4	6.5
9,393.0	57.30	187.50	9,279.3	-122.4	-559.4	16.05	15.96	-2.13	-24.3	4.0
9,441.0	62.50	186.20	9,303.3	-163.6	-564.4	11.08	10.83	-2.71	-27.3	1.5
9,488.0	68.80	185.70	9,322.7	-206.1	-568.8	13.44	13.40	-1.06	-30.9	-0.9
9,535.0	67.90	185.20	9,340.1	-249.6	-572.9	2.16	-1.91	-1.06	-32.7	-3.5
9,582.0	69.40	179.40	9,357.2	-293.3	-574.7	11.93	3.19	-12.34	-30.5	-5.0
9,631.0	69.40	179.10	9,374.4	-339.2	-574.1	0.57	0.00	-0.61	-24.8	-3.5
9,726.0	83.30	178.60	9,396.8	-431.3	-572.2	14.64	14.63	-0.53	-13.0	-1.2
9,737.1	85.14	178.89	9,397.9	-442.3	-572.0	16.77	16.57	2.58	-12.1	-1.0
HL Crossing, MD:9737.1', TVD:9397.9', N/S:-442.3', E/W:-572.0', INC:85.14										
9,761.0	89.10	179.50	9,399.1	-466.2	-571.6	16.77	16.57	2.57	-11.1	-0.8
9,855.0	90.10	179.60	9,399.8	-560.2	-570.9	1.07	1.06	0.11	-11.4	-0.8



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Diamond 5 Fed Com
Well: #6H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #6H
TVD Reference: KB = 21 @ 3398.0usft (Nomac 55)
MD Reference: KB = 21 @ 3398.0usft (Nomac 55)
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)
9,950.0	88.80	179.80	9,400.7	-655.2	-570.4	1.38	-1.37	0.21	-11.5	-1.1
10,045.0	87.50	179.90	9,403.7	-750.1	-570.2	1.37	-1.37	0.11	-9.4	-1.6
10,140.0	87.30	179.60	9,408.0	-845.0	-569.7	0.38	-0.21	-0.32	-6.0	-1.9
10,235.0	87.70	178.70	9,412.2	-939.9	-568.3	1.04	0.42	-0.95	-2.8	-1.2
10,330.0	88.50	181.40	9,415.3	-1,034.9	-568.4	2.96	0.84	2.84	-0.6	-2.0
10,425.0	88.30	182.00	9,418.0	-1,129.8	-571.2	0.67	-0.21	0.63	1.1	-5.6
10,520.0	88.40	181.80	9,420.7	-1,224.7	-574.4	0.24	0.11	-0.21	2.8	-9.5
10,614.0	88.80	180.40	9,423.0	-1,318.6	-576.2	1.55	0.43	-1.49	4.2	-12.0
10,709.0	88.80	180.50	9,425.0	-1,413.6	-576.9	0.11	0.00	0.11	5.2	-13.5
10,804.0	89.20	178.90	9,426.7	-1,508.6	-576.4	1.74	0.42	-1.68	6.5	-13.7
10,899.0	89.30	179.30	9,427.9	-1,603.6	-574.9	0.43	0.11	0.42	7.8	-13.0
10,994.0	89.40	180.20	9,429.0	-1,698.6	-574.5	0.95	0.11	0.95	8.9	-13.3
11,090.0	89.40	179.30	9,430.0	-1,794.6	-574.1	0.94	0.00	-0.94	9.9	-13.6
11,185.0	88.70	179.70	9,431.6	-1,889.5	-573.3	0.85	-0.74	0.42	11.5	-13.5
11,281.0	88.00	178.80	9,434.3	-1,985.5	-572.0	1.19	-0.73	-0.94	14.3	-13.0
11,376.0	89.00	179.70	9,436.8	-2,080.5	-570.8	1.42	1.05	0.95	16.8	-12.5
11,471.0	87.40	179.20	9,439.8	-2,175.4	-569.9	1.76	-1.68	-0.53	19.8	-12.4
11,566.0	87.70	179.70	9,443.9	-2,270.3	-569.0	0.61	0.32	0.53	23.8	-12.2
11,662.0	87.40	180.00	9,448.0	-2,366.2	-568.7	0.44	-0.31	0.31	28.0	-12.7
11,757.0	87.70	178.90	9,452.0	-2,461.1	-567.8	1.20	0.32	-1.16	32.1	-12.5
11,852.0	90.20	179.40	9,453.8	-2,556.1	-566.4	2.68	2.63	0.53	34.8	-11.8
11,947.0	90.30	178.70	9,453.4	-2,651.1	-564.8	0.74	0.11	-0.74	35.5	-11.0
12,041.0	87.20	176.10	9,455.4	-2,744.9	-560.6	4.30	-3.30	-2.77	38.6	-7.5
12,136.0	87.70	177.40	9,459.6	-2,839.7	-555.2	1.46	0.53	1.37	43.9	-2.9
12,232.0	88.90	179.70	9,462.5	-2,935.6	-552.7	2.70	1.25	2.40	47.9	-1.1
12,327.0	87.70	179.30	9,465.3	-3,030.6	-551.9	1.33	-1.26	-0.42	51.8	-1.1
12,422.0	89.40	181.30	9,467.7	-3,125.5	-552.4	2.76	1.79	2.11	55.2	-2.3



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EOG PVA

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12,517.0	89.50	180.70	9,468.6	-3,220.5	-554.1	0.64	0.11	-0.63	57.2	-4.7
12,612.0	87.50	178.60	9,471.1	-3,315.5	-553.5	3.05	-2.11	-2.21	60.8	-4.9
12,707.0	90.90	180.40	9,472.4	-3,410.4	-552.7	4.05	3.58	1.89	63.2	-4.8
12,802.0	91.70	181.20	9,470.3	-3,505.4	-554.0	1.19	0.84	0.84	62.1	-6.8
12,897.0	89.10	180.40	9,469.6	-3,600.4	-555.3	2.86	-2.74	-0.84	62.5	-8.9
Last MWD Survey										
13,090.0	89.10	180.40	9,472.6	-3,793.3	-556.7	0.00	0.00	0.00	68.4	-11.8
Projection To Bit										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,737.1	9,397.9	-442.3	-572.0	HL Crossing, MD:9737.1', TVD:9397.9', N/S:-442.3', E/W:-572.0', INC:85.14
12,897.0	9,469.6	-3,600.4	-555.3	Last MWD Survey
13,090.0	9,472.6	-3,793.3	-556.7	Projection To Bit

Checked By: _____

Approved By: _____

Date: _____