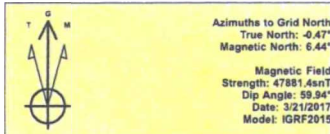




Lea County, NM (NAD 83 NME)

Topaz 11 Fed #701H

Plan #0.1



Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.44°

Magnetic Field
Strength: 47881.4nT
Dip Angle: 59.94°
Date: 3/21/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.91° East
To convert a True Direction to a Grid Direction, Subtract 0.47°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #701H

Ground Level: 3320.0
KB = 25 @ 3345.0usft
Northing 388100.00
Easting 815533.00
Latitude 32° 3' 49.953 N
Longitude 103° 26' 53.516 W

SECTION DETAILS

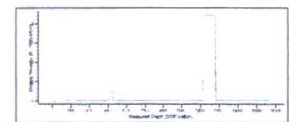
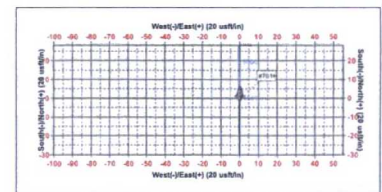
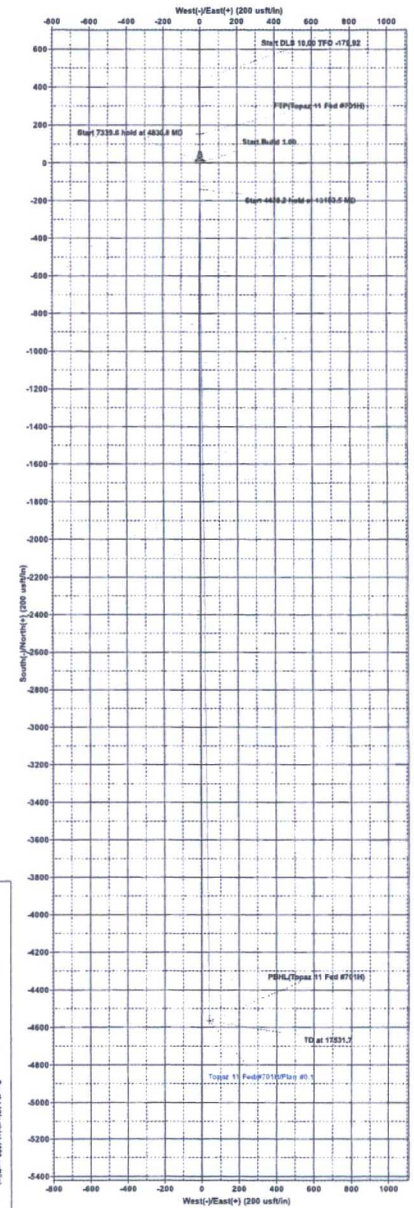
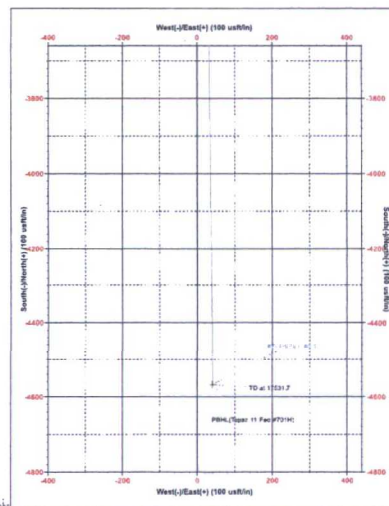
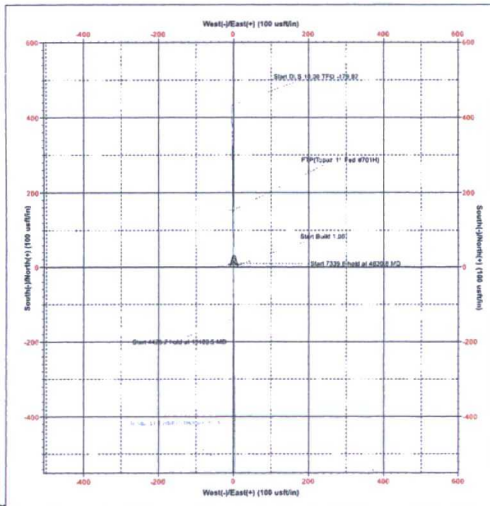
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4830.8	3.31	359.41	4830.6	9.5	-0.1	1.00	359.41	-9.5	
4	12170.4	3.31	359.41	12158.0	433.0	-4.4	0.00	0.00	-433.0	
5	13103.5	90.00	179.49	12764.0	-139.0	0.6	10.00	-179.92	139.0	
6	17531.7	90.00	179.49	12764.0	-4567.0	40.0	0.00	0.00	4567.2	PBHL(Topaz 11 Fed #701H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTP(Topaz 11 Fed #701H)	12764.0	153.0	-2.0	388253.00	815531.00
PBHL(Topaz 11 Fed #701H)	12764.0	-4567.0	40.0	383533.00	815573.00



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)



EOG Resources - Midland

Loving County, TX (NAD27 TC)

Whitney Brunson Unit

#2H

OH

Design: OH

Standard Survey Report

21 March, 2017

HOBBS OCD
SEP 11 2017
RECEIVED



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
Project: Loving County, TX (NAD27 TC)
Site: Whitney Brunson Unit
Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: KB = 25 @ 3175.0usft (Noram #28)
MD Reference: KB = 25 @ 3175.0usft (Noram #28)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project: Loving County, TX (NAD27 TC)

Map System: US State Plane 1927 (Exact solution)

System Datum:

Mean Sea Level

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Texas Central 4203

Site: Whitney Brunson Unit

Site Position: Northing: 821,285.00 usft Latitude: 31° 53' 8.416 N
From: Map Easting: 1,008,792.00 usft Longitude: 103° 31' 37.285 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: -1.64 °

Well: #2H

Well Position: +N/-S 0.0 usft Northing: 830,563.00 usft Latitude: 31° 54' 40.169 N
+E/-W 0.0 usft Easting: 1,008,710.00 usft Longitude: 103° 31' 41.325 W
Position Uncertainty: 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,150.0 usft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/1/2017	6.95	59.79	47,797

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	181.07

Survey Program: Date 3/21/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
944.0	22,037.0	Intrepid MWD #1 (OH)	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
944.0	0.30	343.30	943.9	5.8	-2.5	-5.8	0.00	0.00	0.00
1,065.0	0.30	226.02	1,064.9	5.9	-2.8	-5.8	0.42	0.00	-96.93
1,251.0	1.08	19.82	1,250.9	7.2	-2.5	-7.1	0.73	0.42	82.69
1,438.0	0.93	39.71	1,437.9	10.0	-1.0	-10.0	0.20	-0.08	10.64
1,625.0	1.00	57.67	1,624.8	12.1	1.4	-12.1	0.17	0.04	9.60
1,812.0	2.37	20.87	1,811.8	16.5	4.1	-16.6	0.90	0.73	-19.68
2,000.0	2.25	28.81	1,999.6	23.4	7.3	-23.5	0.18	-0.06	4.22
2,188.0	2.62	34.53	2,187.4	30.2	11.5	-30.4	0.24	0.20	3.04
2,375.0	2.95	38.19	2,374.2	37.5	16.9	-37.8	0.20	0.18	1.96
2,564.0	1.44	25.41	2,563.1	43.5	20.9	-43.8	0.83	-0.80	-6.76

Company: EOG Resources - Midland
Project: Loving County, TX (NAD27 TC)
Site: Whitney Brunson Unit
Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: KB = 25 @ 3175.0usft (Noram #28)
MD Reference: KB = 25 @ 3175.0usft (Noram #28)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,752.0	1.91	43.06	2,751.0	47.9	24.1	-48.3	0.37	0.25	9.39
2,940.0	2.35	54.03	2,938.9	52.4	29.3	-53.0	0.32	0.23	5.84
3,128.0	1.35	75.43	3,126.8	55.3	34.6	-55.9	0.64	-0.53	11.38
3,315.0	0.53	236.40	3,313.7	55.3	36.0	-56.0	0.99	-0.44	86.08
3,502.0	0.81	278.36	3,500.7	55.0	34.0	-55.7	0.29	0.15	22.44
3,689.0	1.96	81.16	3,687.7	55.7	35.8	-56.4	1.47	0.61	87.06
3,876.0	3.75	40.78	3,874.5	60.8	43.0	-61.6	1.38	0.96	-21.59
4,064.0	3.37	13.14	4,062.1	70.9	48.3	-71.8	0.93	-0.20	-14.70
4,251.0	3.59	25.89	4,248.8	81.5	52.1	-82.5	0.43	0.12	6.82
4,439.0	3.80	22.89	4,436.4	92.5	57.1	-93.6	0.15	0.11	-1.60
4,626.0	6.59	17.56	4,622.6	108.5	62.7	-109.6	1.51	1.49	-2.85
4,815.0	3.80	38.43	4,810.8	123.7	69.9	-125.0	1.76	-1.48	11.04
5,003.0	2.92	10.71	4,998.5	133.3	74.7	-134.7	0.97	-0.47	-14.74
5,191.0	2.99	327.24	5,186.3	142.1	72.9	-143.5	1.16	0.04	-23.12
5,377.0	2.47	327.87	5,372.1	149.6	68.1	-150.9	0.28	-0.28	0.34
5,565.0	1.86	323.69	5,560.0	155.5	64.2	-156.7	0.33	-0.32	-2.22
5,753.0	3.05	350.82	5,747.8	162.9	61.6	-164.0	0.87	0.63	14.43
5,941.0	2.52	15.04	5,935.6	171.8	61.8	-173.0	0.68	-0.28	12.88
6,128.0	2.37	24.51	6,122.4	179.3	64.5	-180.5	0.23	-0.08	5.06
6,316.0	1.99	29.51	6,310.3	185.7	67.7	-186.9	0.23	-0.20	2.66
6,503.0	2.40	8.72	6,497.1	192.4	69.9	-193.7	0.48	0.22	-11.12
6,691.0	1.77	357.76	6,685.0	199.2	70.4	-200.5	0.40	-0.34	-5.83
6,879.0	1.60	348.82	6,872.9	204.7	69.8	-205.9	0.17	-0.09	-4.76
7,067.0	1.51	2.13	7,060.8	209.7	69.4	-211.0	0.20	-0.05	7.08
7,254.0	2.32	356.89	7,247.7	216.0	69.3	-217.2	0.44	0.43	-2.80
7,442.0	1.08	0.32	7,435.7	221.5	69.1	-222.8	0.66	-0.66	1.82
7,629.0	1.86	22.04	7,622.6	226.1	70.2	-227.4	0.51	0.42	11.61
7,815.0	2.21	25.99	7,808.5	232.1	72.9	-233.4	0.20	0.19	2.12
8,002.0	1.85	30.88	7,995.4	238.0	76.0	-239.3	0.21	-0.19	2.61
8,189.0	1.45	52.30	8,182.3	242.0	79.5	-243.4	0.39	-0.21	11.45
8,375.0	1.60	7.16	8,368.2	246.0	81.6	-247.5	0.63	0.08	-24.27
8,562.0	0.95	3.94	8,555.2	250.1	82.1	-251.6	0.35	-0.35	-1.72
8,752.0	0.24	308.13	8,745.2	252.0	81.9	-253.4	0.44	-0.37	-29.37
8,938.0	0.96	229.79	8,931.2	251.2	80.4	-252.7	0.51	0.39	-42.12
9,126.0	1.04	60.83	9,119.1	251.0	80.7	-252.5	1.06	0.04	-89.87
9,314.0	1.12	44.33	9,307.1	253.2	83.4	-254.7	0.17	0.04	-8.78
9,502.0	0.49	60.32	9,495.1	254.9	85.4	-256.4	0.35	-0.34	8.51
9,689.0	1.20	235.01	9,682.1	254.1	84.5	-255.7	0.90	0.38	93.42
9,876.0	0.66	311.77	9,869.1	253.7	82.1	-255.2	0.66	-0.29	41.05
10,064.0	2.10	356.44	10,057.0	257.9	81.1	-259.4	0.90	0.77	23.76
10,251.0	1.87	330.59	10,243.9	264.0	79.4	-265.4	0.49	-0.12	-13.82
10,439.0	1.90	334.37	10,431.8	269.5	76.5	-270.8	0.07	0.02	2.01
10,626.0	1.71	328.28	10,618.7	274.6	73.7	-276.0	0.14	-0.10	-3.26
10,815.0	2.49	303.69	10,807.6	279.3	68.8	-280.5	0.62	0.41	-13.01



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
Project: Loving County, TX (NAD27 TC)
Site: Whitney Brunson Unit
Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: KB = 25 @ 3175.0usft (Noram #28)
MD Reference: KB = 25 @ 3175.0usft (Noram #28)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,002.0	2.29	247.73	10,994.4	280.1	62.0	-281.2	1.20	-0.11	-29.93
11,189.0	2.27	186.63	11,181.3	275.0	58.1	-276.1	1.24	-0.01	-32.67
11,358.0	2.23	212.66	11,350.2	269.0	55.9	-269.9	0.60	-0.02	15.40
11,451.0	2.60	214.42	11,443.1	265.7	53.8	-266.6	0.41	0.40	1.89
11,482.0	2.52	216.67	11,474.1	264.6	53.0	-265.5	0.41	-0.26	7.26
11,529.0	2.96	205.03	11,521.0	262.6	51.8	-263.6	1.50	0.94	-24.77
11,576.0	10.10	188.20	11,567.7	257.4	50.7	-258.4	15.57	15.19	-35.81
11,623.0	19.00	182.62	11,613.1	245.7	49.8	-246.6	19.15	18.94	-11.87
11,670.0	24.38	180.49	11,656.8	228.3	49.3	-229.2	11.57	11.45	-4.53
11,711.0	28.84	179.48	11,693.4	210.0	49.4	-210.9	10.93	10.88	-2.46
11,764.0	31.55	179.39	11,739.3	183.3	49.6	-184.2	5.11	5.11	-0.17
11,811.0	34.34	179.24	11,778.7	157.8	49.9	-158.7	5.94	5.94	-0.32
11,857.0	39.65	178.28	11,815.4	130.1	50.5	-131.0	11.61	11.54	-2.09
11,904.0	44.96	176.26	11,850.2	98.5	52.1	-99.5	11.66	11.30	-4.30
11,951.0	50.15	176.58	11,881.9	63.9	54.2	-64.9	11.05	11.04	0.68
11,998.0	53.40	178.09	11,911.0	27.1	56.0	-28.1	7.36	6.91	3.21
12,004.8	53.85	178.31	11,915.0	21.6	56.1	-22.6	7.01	6.53	3.19
FTP(WB B Unit #2H)									
12,046.0	56.54	179.57	11,938.5	-12.2	56.7	11.2	7.01	6.54	3.07
12,093.0	62.32	179.52	11,962.4	-52.7	57.1	51.6	12.30	12.30	-0.11
12,140.0	65.60	179.84	11,983.0	-94.9	57.3	93.8	7.01	6.98	0.68
12,187.0	70.79	180.04	12,000.5	-138.5	57.3	137.4	11.05	11.04	0.43
12,234.0	77.11	180.77	12,013.5	-183.7	57.0	182.6	13.53	13.45	1.55
12,281.0	83.07	181.53	12,021.6	-229.9	56.1	228.9	12.78	12.68	1.62
12,327.0	87.38	181.31	12,025.4	-275.8	55.0	274.7	9.38	9.37	-0.48
12,419.0	91.01	180.33	12,026.7	-367.7	53.6	366.7	4.09	3.95	-1.07
12,447.0	90.85	180.39	12,026.2	-395.7	53.5	394.7	0.61	-0.57	0.21
12,540.0	91.59	181.35	12,024.2	-488.7	52.0	487.6	1.30	0.80	1.03
12,633.0	92.09	181.30	12,021.3	-581.6	49.9	580.6	0.54	0.54	-0.05
12,727.0	89.91	179.84	12,019.6	-675.6	49.0	674.6	2.79	-2.32	-1.55
12,820.0	89.73	179.30	12,019.9	-768.6	49.7	767.5	0.61	-0.19	-0.58
12,913.0	90.60	180.92	12,019.6	-861.6	49.5	860.5	1.98	0.94	1.74
13,007.0	92.06	181.83	12,017.5	-955.5	47.2	954.5	1.83	1.55	0.97
13,100.0	89.62	179.14	12,016.1	-1,048.5	46.4	1,047.4	3.90	-2.62	-2.89
13,193.0	90.03	178.77	12,016.4	-1,141.5	48.1	1,140.4	0.59	0.44	-0.40
13,287.0	89.94	179.88	12,016.4	-1,235.5	49.2	1,234.3	1.18	-0.10	1.18
13,380.0	88.70	181.23	12,017.5	-1,328.5	48.3	1,327.3	1.97	-1.33	1.45
13,474.0	88.80	180.63	12,019.6	-1,422.4	46.8	1,421.3	0.65	0.11	-0.64
13,568.0	89.22	180.24	12,021.2	-1,516.4	46.1	1,515.3	0.61	0.45	-0.41
13,661.0	89.83	182.87	12,022.0	-1,609.4	43.6	1,608.3	2.90	0.66	2.83
13,756.0	91.43	183.41	12,020.9	-1,704.2	38.4	1,703.2	1.78	1.68	0.57
13,849.0	91.18	182.87	12,018.8	-1,797.0	33.3	1,796.1	0.64	-0.27	-0.58
13,943.0	89.05	182.95	12,018.6	-1,890.9	28.5	1,890.0	2.27	-2.27	0.09



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
Project: Loving County, TX (NAD27 TC)
Site: Whitney Brunson Unit
Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: KB = 25 @ 3175.0usft (Noram #28)
MD Reference: KB = 25 @ 3175.0usft (Noram #28)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,036.0	90.00	183.44	12,019.4	-1,983.8	23.3	1,983.0	1.15	1.02	0.53
14,053.3	90.16	183.49	12,019.3	-2,001.0	22.3	2,000.3	0.97	0.93	0.28
TGT#1(WB B Unit #2H)									
14,130.0	90.87	183.70	12,018.7	-2,077.6	17.5	2,076.9	0.97	0.93	0.28
14,224.0	91.48	183.91	12,016.7	-2,171.3	11.2	2,170.8	0.69	0.65	0.22
14,318.0	90.85	183.52	12,014.8	-2,265.1	5.2	2,264.6	0.79	-0.67	-0.41
14,411.0	91.74	183.97	12,012.7	-2,357.9	-0.9	2,357.5	1.07	0.96	0.48
14,505.0	90.74	182.01	12,010.7	-2,451.7	-5.8	2,451.4	2.34	-1.06	-2.09
14,599.0	90.71	179.94	12,009.5	-2,545.7	-7.4	2,545.4	2.20	-0.03	-2.20
14,692.0	89.81	179.53	12,009.1	-2,638.7	-7.0	2,638.4	1.06	-0.97	-0.44
14,787.0	89.96	179.13	12,009.3	-2,733.7	-5.9	2,733.3	0.45	0.16	-0.42
14,880.0	90.78	179.81	12,008.7	-2,826.7	-5.0	2,826.3	1.15	0.88	0.73
14,974.0	89.99	179.20	12,008.0	-2,920.7	-4.2	2,920.3	1.06	-0.84	-0.65
15,068.0	90.60	179.74	12,007.5	-3,014.7	-3.3	3,014.2	0.87	0.65	0.57
15,162.0	89.18	180.49	12,007.7	-3,108.7	-3.5	3,108.2	1.71	-1.51	0.80
15,255.0	92.43	180.61	12,006.4	-3,201.7	-4.4	3,201.2	3.50	3.49	0.13
15,349.0	89.38	179.59	12,004.9	-3,295.6	-4.6	3,295.2	3.42	-3.24	-1.09
15,443.0	92.66	179.24	12,003.3	-3,389.6	-3.6	3,389.1	3.51	3.49	-0.37
15,537.0	90.41	179.53	12,000.7	-3,483.6	-2.6	3,483.0	2.41	-2.39	0.31
15,631.0	88.26	179.82	12,001.8	-3,577.5	-2.1	3,577.0	2.31	-2.29	0.31
15,724.0	88.49	180.61	12,004.5	-3,670.5	-2.4	3,669.9	0.88	0.25	0.85
15,818.0	92.47	180.49	12,003.7	-3,764.5	-3.3	3,763.9	4.24	4.23	-0.13
15,911.0	91.58	181.10	12,000.4	-3,857.4	-4.6	3,856.8	1.16	-0.96	0.66
16,006.0	91.13	180.25	11,998.2	-3,952.4	-5.7	3,951.8	1.01	-0.47	-0.89
16,099.0	89.78	180.72	11,997.4	-4,045.4	-6.5	4,044.8	1.54	-1.45	0.51
16,193.0	91.27	180.93	11,996.6	-4,139.4	-7.9	4,138.8	1.60	1.59	0.22
16,286.0	90.71	182.54	11,994.9	-4,232.3	-10.7	4,231.8	1.83	-0.60	1.73
16,380.0	93.18	183.56	11,991.8	-4,326.1	-15.7	4,325.6	2.84	2.63	1.09
16,473.0	90.60	183.91	11,988.7	-4,418.8	-21.7	4,418.5	2.80	-2.77	0.38
16,555.7	90.37	183.67	11,988.0	-4,501.4	-27.2	4,501.1	0.39	-0.27	-0.28
TGT#2(WB B Unit #2H)									
16,568.0	90.34	183.64	11,987.9	-4,513.6	-28.0	4,513.4	0.39	-0.27	-0.28
16,661.0	90.95	183.11	11,986.9	-4,606.5	-33.5	4,606.3	0.87	0.66	-0.57
16,754.0	91.88	182.54	11,984.6	-4,699.3	-38.1	4,699.2	1.17	1.00	-0.61
16,848.0	89.83	181.88	11,983.2	-4,793.2	-41.7	4,793.2	2.29	-2.18	-0.70
16,942.0	89.35	180.67	11,983.8	-4,887.2	-43.8	4,887.2	1.38	-0.51	-1.29
17,036.0	89.71	180.01	11,984.6	-4,981.2	-44.3	4,981.2	0.80	0.38	-0.70
17,130.0	89.52	178.85	11,985.2	-5,075.2	-43.4	5,075.1	1.25	-0.20	-1.23
17,223.0	90.16	178.46	11,985.5	-5,168.2	-41.2	5,168.0	0.81	0.69	-0.42
17,317.0	90.32	180.92	11,985.1	-5,262.2	-40.7	5,262.0	2.62	0.17	2.62
17,411.0	90.83	181.75	11,984.2	-5,356.1	-42.9	5,356.0	1.04	0.54	0.88
17,505.0	91.07	181.72	11,982.6	-5,450.1	-45.7	5,450.0	0.26	0.26	-0.03
17,599.0	91.20	181.35	11,980.7	-5,544.0	-48.3	5,544.0	0.42	0.14	-0.39
17,693.0	91.65	180.66	11,978.4	-5,638.0	-49.9	5,637.9	0.88	0.48	-0.73



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
Project: Loving County, TX (NAD27 TC)
Site: Whitney Brunson Unit
Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: KB = 25 @ 3175.0usft (Noram #28)
MD Reference: KB = 25 @ 3175.0usft (Noram #28)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,787.0	91.37	181.81	11,975.9	-5,731.9	-51.9	5,731.9	1.26	-0.30	1.22
17,881.0	91.10	183.35	11,973.9	-5,825.8	-56.2	5,825.8	1.66	-0.29	1.64
17,974.0	88.20	181.80	11,974.5	-5,918.7	-60.3	5,918.8	3.54	-3.12	-1.67
18,068.0	87.18	181.56	11,978.3	-6,012.6	-63.1	6,012.7	1.11	-1.09	-0.26
18,162.0	90.88	183.95	11,979.8	-6,106.4	-67.6	6,106.6	4.69	3.94	2.54
18,256.0	92.27	183.97	11,977.3	-6,200.2	-74.1	6,200.5	1.48	1.48	0.02
18,350.0	90.65	182.93	11,974.9	-6,294.0	-79.8	6,294.4	2.05	-1.72	-1.11
18,444.0	91.80	184.44	11,972.9	-6,387.7	-85.8	6,388.2	2.02	1.22	1.61
18,538.0	90.34	182.36	11,971.1	-6,481.6	-91.4	6,482.1	2.70	-1.55	-2.21
18,633.0	90.31	182.11	11,970.6	-6,576.5	-95.1	6,577.1	0.27	-0.03	-0.26
18,726.0	91.35	183.21	11,969.2	-6,669.4	-99.4	6,670.1	1.63	1.12	1.18
18,820.0	90.67	182.68	11,967.6	-6,763.2	-104.2	6,764.0	0.92	-0.72	-0.56
18,913.0	91.08	182.25	11,966.1	-6,856.1	-108.2	6,857.0	0.64	0.44	-0.46
19,007.0	91.00	181.82	11,964.4	-6,950.1	-111.6	6,950.9	0.47	-0.09	-0.46
19,100.0	89.33	181.30	11,964.2	-7,043.0	-114.1	7,043.9	1.88	-1.80	-0.56
19,194.0	89.20	181.72	11,965.4	-7,137.0	-116.6	7,137.9	0.47	-0.14	0.45
19,287.0	89.42	181.98	11,966.5	-7,229.9	-119.6	7,230.9	0.37	0.24	0.28
19,380.0	91.90	182.10	11,965.4	-7,322.8	-122.9	7,323.9	2.67	2.67	0.13
19,475.0	92.00	182.32	11,962.2	-7,417.7	-126.5	7,418.8	0.25	0.11	0.23
19,558.0	92.53	182.70	11,958.9	-7,500.6	-130.2	7,501.7	0.79	0.64	0.46
TGT#3(WB B Unit #2H)									
19,569.0	92.60	182.75	11,958.4	-7,511.6	-130.7	7,512.7	0.79	0.64	0.46
19,663.0	90.30	182.03	11,956.0	-7,605.4	-134.6	7,606.6	2.56	-2.45	-0.77
19,756.0	90.09	182.48	11,955.7	-7,698.4	-138.3	7,699.6	0.53	-0.23	0.48
19,851.0	91.02	183.04	11,954.8	-7,793.2	-142.8	7,794.6	1.14	0.98	0.59
19,945.0	89.59	182.87	11,954.3	-7,887.1	-147.7	7,888.5	1.53	-1.52	-0.18
20,038.0	90.15	181.50	11,954.5	-7,980.0	-151.2	7,981.5	1.59	0.60	-1.47
20,132.0	88.33	180.61	11,955.8	-8,074.0	-153.0	8,075.5	2.16	-1.94	-0.95
20,226.0	88.46	179.82	11,958.4	-8,168.0	-153.3	8,169.4	0.85	0.14	-0.84
20,319.0	91.11	179.42	11,958.7	-8,261.0	-152.7	8,262.4	2.88	2.85	-0.43
20,404.0	92.13	178.61	11,956.3	-8,345.9	-151.2	8,347.3	1.53	1.20	-0.95
20,498.0	93.19	179.46	11,952.0	-8,439.8	-149.7	8,441.1	1.44	1.13	0.90
20,592.0	92.08	179.07	11,947.7	-8,533.7	-148.5	8,535.0	1.25	-1.18	-0.41
20,685.0	93.85	180.26	11,942.8	-8,626.6	-147.9	8,627.8	2.29	1.90	1.28
20,779.0	91.57	180.41	11,938.4	-8,720.4	-148.5	8,721.7	2.43	-2.43	0.16
20,873.0	92.30	180.83	11,935.2	-8,814.4	-149.5	8,815.6	0.90	0.78	0.45
20,966.0	91.72	180.88	11,932.0	-8,907.3	-150.9	8,908.6	0.63	-0.62	0.05
21,059.0	91.96	181.19	11,929.0	-9,000.3	-152.5	9,001.5	0.42	0.26	0.33
21,152.0	90.95	180.46	11,926.6	-9,093.2	-153.9	9,094.5	1.34	-1.09	-0.78
21,246.0	91.34	180.69	11,924.7	-9,187.2	-154.8	9,188.5	0.48	0.41	0.24
21,340.0	88.68	181.99	11,924.7	-9,281.2	-157.0	9,282.5	3.15	-2.83	1.38
21,434.0	88.53	181.06	11,927.0	-9,375.1	-159.5	9,376.4	1.00	-0.16	-0.99
21,527.0	90.88	181.24	11,927.5	-9,468.1	-161.4	9,469.4	2.53	2.53	0.19



EOG Resources, Inc.

Survey Report

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Site: Whitney Brunson Unit
Well: #2H
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Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: KB = 25 @ 3175.0usft (Noram #28)
MD Reference: KB = 25 @ 3175.0usft (Noram #28)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,622.0	91.30	180.74	11,925.7	-9,563.0	-163.0	9,564.4	0.69	0.44	-0.53
21,716.0	90.71	179.37	11,924.0	-9,657.0	-163.1	9,658.4	1.59	-0.63	-1.46
21,810.0	91.06	181.31	11,922.6	-9,751.0	-163.7	9,752.4	2.10	0.37	2.06
21,904.0	91.85	181.70	11,920.2	-9,844.9	-166.1	9,846.3	0.94	0.84	0.41
21,975.0	91.17	181.45	11,918.3	-9,915.9	-168.1	9,917.3	1.02	-0.96	-0.35
Last MWD Survey									
22,037.0	91.17	181.45	11,917.1	-9,977.9	-169.7	9,979.3	0.00	0.00	0.00
Projection To Bit - PBHL(WB B Unit #2H)									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
21,975.0	11,918.3	-9,915.9	-168.1	Last MWD Survey
22,037.0	11,917.1	-9,977.9	-169.7	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____