

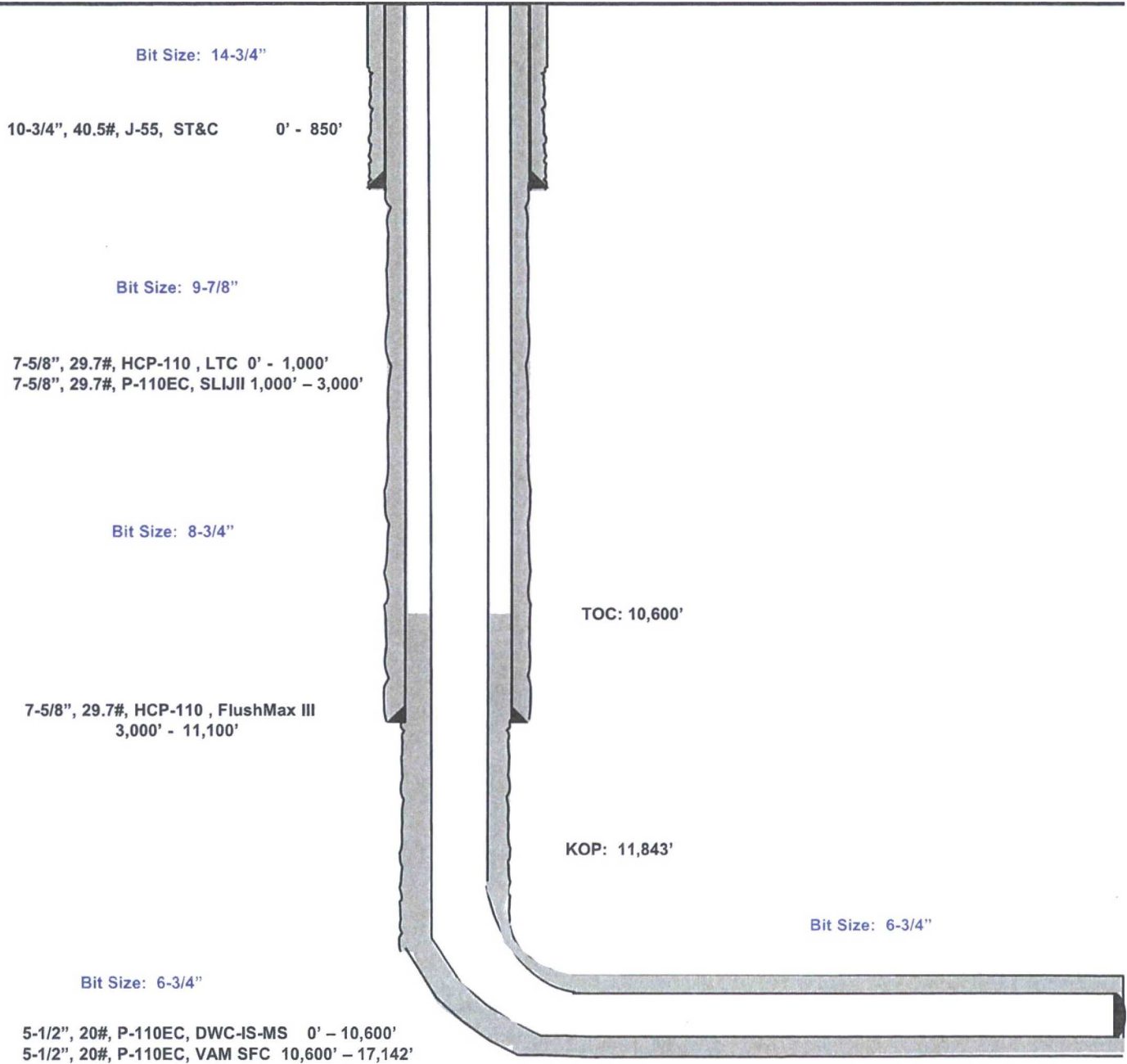
Orrtanna 20 Fed #705H

Lea County, New Mexico
Proposed Wellbore

610' FSL
2455' FEL
Section 20
T-26-S, R-33-E

API: 30-025-*****

KB: 3,277'
GL: 3,252'



Lateral: 17,142' MD, 12,294' TVD
Upper Most Perf:
330' FSL & 2316' FEL Sec. 20
Lower Most Perf:
330' FNL & 2315' FEL Sec. 20
BH Location: 230' FNL & 2315' FEL
Section 20
T-26-S, R-33-E



Lea County, NM (NAD 27 NME)

Orrtanna 20 Fed #705H

Plan #0.1



Azimuths to Grid North
True North: -0.39°
Magnetic North: 6.60°

Magnetic Field
Strength: 47560.4nT
Dip Angle: 59.88°
Date: 1/16/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.60°
To convert a Magnetic Direction to a True Direction, Add 6.99° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

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: #705H

Ground Level: 3252.0
kb = 25' @ 3277.0usft
Northing: 372994.00
Easting: 729365.00
Latitude: 32° 1' 23.934 N
Longitude: 103° 35' 35.510 W
System Datum: Mean Sea Level

SECTION DETAILS

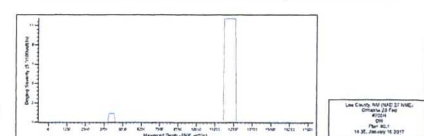
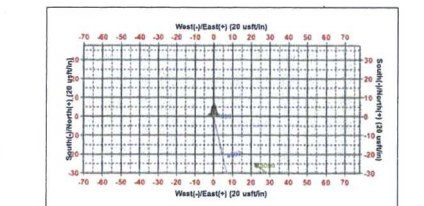
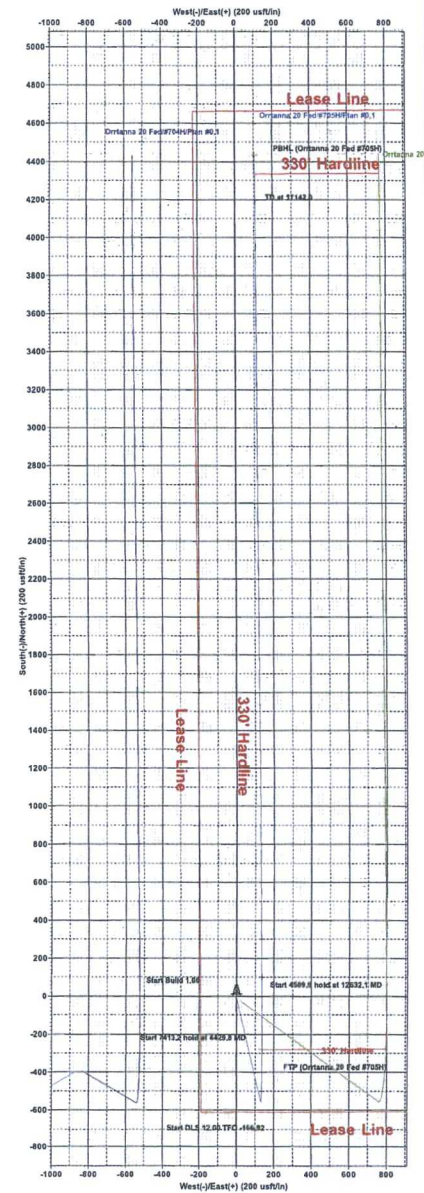
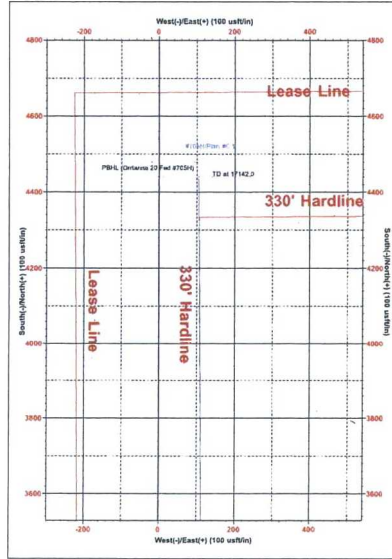
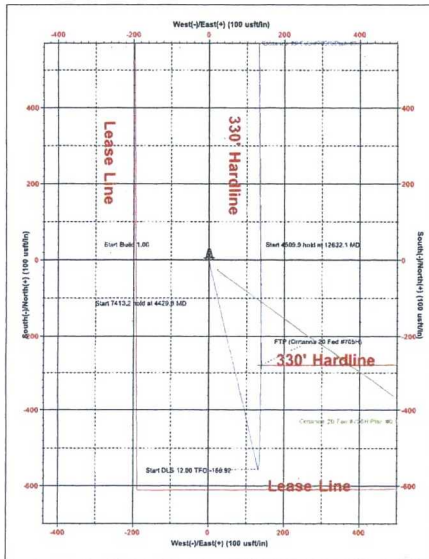
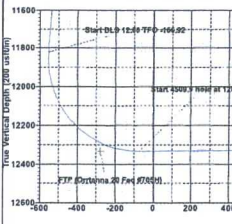
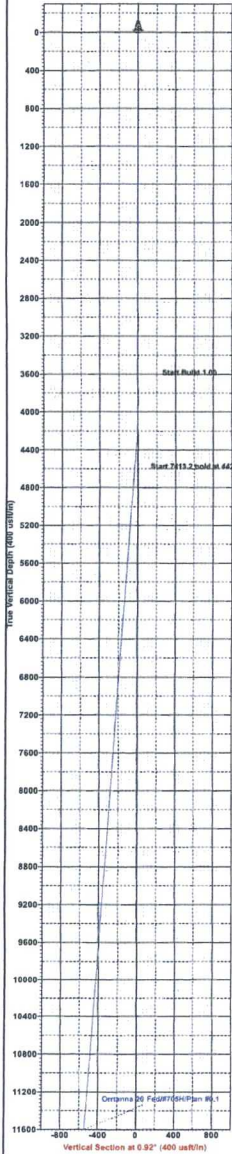
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0		
3	4429.0	4.30	166.55	4429.0	-15.7	3.7	1.00	166.55	-15.6		
4	11843.0	4.30	166.55	11821.8	-556.1	132.9	0.00	0.00	-552.7		
5	12632.1	90.50	359.59	12334.0	-75.6	138.3	12.00	-166.92	-72.3		
6	17142.0	90.50	359.59	12294.6	4434.0	106.0	0.00	0.00	4435.3	PBHL (Orrtanna 20 Fed #705H)	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Orrtanna 20 Fed #705H)	12294.6	4434.0	106.0	377428.00	729489.00
FTP (Orrtanna 20 Fed #705H)	12334.0	-279.0	146.0	372715.00	729523.00



Lea County, NM (NAD 27 NME)
Orrtanna 20 Fed #705H
Plan #0.1
1/16/2017



EOG Resources - Tyler

Walker County, TX (NAD 27)

Mr. Dub

#1H

West Lateral

Plan: Plan #1

Standard Survey Report

16 January, 2017

HOBBS OCD
APR 17 2017
RECEIVED

Company: EOG Resources - Tyler
Project: Walker County, TX (NAD 27)
Site: Mr. Dub
Well: #1H
Wellbore: West Lateral
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 25' @ 253.00usft
MD Reference: KB = 25' @ 253.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project Walker County, TX (NAD 27)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: Texas Central 4203

System Datum: Mean Sea Level

Site Mr. Dub

Site Position: Northing: 470,620.00 usft Latitude: 30° 52' 43.758 N
From: Map Easting: 3,441,347.00 usft Longitude: 95° 44' 14.450 W
Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 " Grid Convergence: 2.37 °

Well #1H

Well Position: +N/-S 0.00 usft Northing: 470,620.00 usft Latitude: 30° 52' 43.758 N
+E/-W 0.00 usft Easting: 3,441,347.00 usft Longitude: 95° 44' 14.450 W
Position Uncertainty: 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 228.00 usft

Wellbore West Lateral

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/3/2017	2.78	59.84	47,779

Design Plan #1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 11,168.70

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	333.00

Survey Tool Program Date 1/16/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	11,168.70	Plan #1 (East Lateral)	MWD	MWD - Standard
11,168.70	16,464.66	Plan #1 (West Lateral)	MWD	MWD - Standard

Planned 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Tyler
Project: Walker County, TX (NAD 27)
Site: Mr. Dub
Well: #1H
Wellbore: West Lateral
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 25' @ 253.00usft
MD Reference: KB = 25' @ 253.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned 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)
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Tyler
Project: Walker County, TX (NAD 27)
Site: Mr. Dub
Well: #1H
Wellbore: West Lateral
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 25' @ 253.00usft
MD Reference: KB = 25' @ 253.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned 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)
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,045.00	0.00	0.00	7,045.00	0.00	0.00	0.00	0.00	0.00	0.00
MIDWAY									
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,855.00	0.00	0.00	8,855.00	0.00	0.00	0.00	0.00	0.00	0.00
PECAN GAP									
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Tyler
Project: Walker County, TX (NAD 27)
Site: Mr. Dub
Well: #1H
Wellbore: West Lateral
Design: Plan #1

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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)
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,619.00	0.00	0.00	9,619.00	0.00	0.00	0.00	0.00	0.00	0.00
AUSTIN CHALK									
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,909.00	0.00	0.00	9,909.00	0.00	0.00	0.00	0.00	0.00	0.00
AUSTIN BASE									
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,025.00	0.00	0.00	10,025.00	0.00	0.00	0.00	0.00	0.00	0.00
WDBN									
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,431.30	0.00	0.00	10,431.30	0.00	0.00	0.00	0.00	0.00	0.00
10,434.00	0.27	326.18	10,434.00	0.01	0.00	0.01	10.00	10.00	0.00
Base WDBN									
10,450.00	1.87	326.18	10,450.00	0.25	-0.17	0.30	10.00	10.00	0.00
10,500.00	6.87	326.18	10,499.84	3.42	-2.29	4.08	10.00	10.00	0.00
10,550.00	11.87	326.18	10,549.15	10.18	-6.82	12.16	10.00	10.00	0.00
10,600.00	16.87	326.18	10,597.57	20.48	-13.72	24.48	10.00	10.00	0.00
10,610.93	17.96	326.18	10,608.00	23.20	-15.54	27.73	10.00	10.00	0.00
Base Rabbit Ears									
10,650.00	21.87	326.18	10,644.73	34.26	-22.95	40.94	10.00	10.00	0.00
10,700.00	26.87	326.18	10,690.26	51.39	-34.43	61.42	10.00	10.00	0.00
10,750.00	31.87	326.18	10,733.82	71.76	-48.07	85.76	10.00	10.00	0.00
10,800.00	36.87	326.18	10,775.08	95.20	-63.78	113.78	10.00	10.00	0.00
10,850.00	41.87	326.18	10,813.72	121.54	-81.43	145.26	10.00	10.00	0.00
10,900.00	46.87	326.18	10,849.45	150.58	-100.88	179.97	10.00	10.00	0.00
10,950.00	51.87	326.18	10,882.00	182.10	-122.00	217.64	10.00	10.00	0.00
11,000.00	56.87	326.18	10,911.11	215.85	-144.61	257.97	10.00	10.00	0.00
11,000.74	56.94	326.18	10,911.52	216.37	-144.95	258.59	10.00	10.00	0.00
False Buda									
11,031.30	60.00	326.18	10,927.50	238.00	-159.45	284.45	10.00	10.00	0.00
11,031.44	60.00	326.18	10,927.57	238.10	-159.52	284.57	0.00	0.00	0.00
Buda Top									
11,036.30	60.00	326.18	10,930.00	241.60	-161.86	288.75	0.00	0.00	0.00
7"									
11,040.00	60.93	326.18	10,931.82	244.28	-163.65	291.95	25.00	25.00	0.00
11,060.00	65.93	326.18	10,940.76	259.13	-173.60	309.70	25.00	25.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Tyler
Project: Walker County, TX (NAD 27)
Site: Mr. Dub
Well: #1H
Wellbore: West Lateral
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 25' @ 253.00usft
MD Reference: KB = 25' @ 253.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned 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)
11,080.00	70.93	326.18	10,948.12	274.58	-183.95	328.16	25.00	25.00	0.00
11,100.00	75.93	326.18	10,953.82	290.50	-194.62	347.19	25.00	25.00	0.00
11,120.00	80.93	326.18	10,957.83	306.77	-205.52	366.64	25.00	25.00	0.00
11,140.00	85.93	326.18	10,960.12	323.27	-216.58	386.36	25.00	25.00	0.00
11,160.00	90.93	326.18	10,960.67	339.88	-227.70	406.21	25.00	25.00	0.00
11,168.70	93.10	326.18	10,960.37	347.10	-232.54	414.84	25.00	25.00	0.00
11,200.00	93.05	323.05	10,958.69	372.58	-250.64	445.76	10.00	-0.15	-10.01
11,250.00	92.96	318.04	10,956.06	411.12	-282.36	494.50	10.00	-0.19	-10.01
11,300.00	92.84	313.03	10,953.53	446.75	-317.32	542.11	10.00	-0.24	-10.01
11,350.00	92.70	308.03	10,951.12	479.19	-355.27	588.25	10.00	-0.28	-10.01
11,400.00	92.54	303.03	10,948.83	508.21	-395.90	632.55	10.00	-0.32	-10.01
11,450.00	92.36	298.03	10,946.70	533.57	-438.92	674.68	10.00	-0.36	-10.00
11,500.00	92.16	293.03	10,944.72	555.10	-483.99	714.32	10.00	-0.40	-10.00
11,513.57	92.10	291.67	10,944.22	560.25	-496.53	724.61	10.00	-0.42	-10.00
11,600.00	92.10	291.67	10,941.04	592.15	-576.80	789.47	0.00	0.00	0.00
11,700.00	92.10	291.67	10,937.37	629.05	-669.67	864.51	0.00	0.00	0.00
11,800.00	92.10	291.67	10,933.70	665.95	-762.54	939.55	0.00	0.00	0.00
11,900.00	92.10	291.67	10,930.03	702.85	-855.41	1,014.59	0.00	0.00	0.00
12,000.00	92.10	291.67	10,926.36	739.76	-948.28	1,089.64	0.00	0.00	0.00
12,100.00	92.10	291.67	10,922.69	776.66	-1,041.15	1,164.68	0.00	0.00	0.00
12,200.00	92.10	291.67	10,919.01	813.56	-1,134.02	1,239.72	0.00	0.00	0.00
12,300.00	92.10	291.67	10,915.34	850.46	-1,226.89	1,314.76	0.00	0.00	0.00
12,400.00	92.10	291.67	10,911.67	887.37	-1,319.75	1,389.80	0.00	0.00	0.00
12,500.00	92.10	291.67	10,908.00	924.27	-1,412.62	1,464.85	0.00	0.00	0.00
12,600.00	92.10	291.67	10,904.33	961.17	-1,505.49	1,539.89	0.00	0.00	0.00
12,631.66	92.10	291.67	10,903.16	972.85	-1,534.89	1,563.64	0.00	0.00	0.00
12,650.00	92.13	293.51	10,902.49	979.89	-1,551.82	1,577.60	10.00	0.13	10.01
12,700.00	92.18	298.51	10,900.60	1,001.79	-1,596.71	1,617.50	10.00	0.11	10.01
12,750.00	92.22	303.51	10,898.68	1,027.53	-1,639.52	1,659.86	10.00	0.08	10.01
12,800.00	92.24	308.52	10,896.73	1,056.90	-1,679.92	1,704.37	10.00	0.04	10.01
12,843.37	92.25	312.86	10,895.03	1,085.14	-1,712.77	1,744.45	10.00	0.01	10.01
BUDA TARGET									
12,850.00	92.25	313.52	10,894.77	1,089.67	-1,717.60	1,750.68	10.01	-0.01	10.02
12,900.00	92.23	318.52	10,892.82	1,125.62	-1,752.28	1,798.45	10.00	-0.03	10.01
12,950.00	92.20	323.53	10,890.88	1,164.45	-1,783.70	1,847.31	10.00	-0.06	10.01
13,000.00	92.16	328.53	10,888.98	1,205.87	-1,811.60	1,896.89	10.00	-0.09	10.01
13,044.66	92.10	333.00	10,887.32	1,244.80	-1,833.40	1,941.47	10.00	-0.12	10.01
13,100.00	92.10	333.00	10,885.29	1,294.08	-1,858.50	1,996.78	0.00	0.00	0.00
13,200.00	92.10	333.00	10,881.63	1,383.12	-1,903.87	2,096.71	0.00	0.00	0.00
13,300.00	92.10	333.00	10,877.97	1,472.16	-1,949.24	2,196.64	0.00	0.00	0.00
13,400.00	92.10	333.00	10,874.30	1,561.20	-1,994.61	2,296.57	0.00	0.00	0.00
13,500.00	92.10	333.00	10,870.64	1,650.24	-2,039.98	2,396.51	0.00	0.00	0.00
13,600.00	92.10	333.00	10,866.97	1,739.28	-2,085.35	2,496.44	0.00	0.00	0.00
13,700.00	92.10	333.00	10,863.31	1,828.32	-2,130.71	2,596.37	0.00	0.00	0.00

Company: EOG Resources - Tyler
Project: Walker County, TX (NAD 27)
Site: Mr. Dub
Well: #1H
Wellbore: West Lateral
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 25' @ 253.00usft
MD Reference: KB = 25' @ 253.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned 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)
13,800.00	92.10	333.00	10,859.64	1,917.37	-2,176.08	2,696.31	0.00	0.00	0.00
13,900.00	92.10	333.00	10,855.98	2,006.41	-2,221.45	2,796.24	0.00	0.00	0.00
14,000.00	92.10	333.00	10,852.31	2,095.45	-2,266.82	2,896.17	0.00	0.00	0.00
14,100.00	92.10	333.00	10,848.65	2,184.49	-2,312.19	2,996.10	0.00	0.00	0.00
14,200.00	92.10	333.00	10,844.99	2,273.53	-2,357.56	3,096.04	0.00	0.00	0.00
14,300.00	92.10	333.00	10,841.32	2,362.57	-2,402.93	3,195.97	0.00	0.00	0.00
14,400.00	92.10	333.00	10,837.66	2,451.61	-2,448.29	3,295.90	0.00	0.00	0.00
14,500.00	92.10	333.00	10,833.99	2,540.65	-2,493.66	3,395.84	0.00	0.00	0.00
14,600.00	92.10	333.00	10,830.33	2,629.69	-2,539.03	3,495.77	0.00	0.00	0.00
14,700.00	92.10	333.00	10,826.66	2,718.73	-2,584.40	3,595.70	0.00	0.00	0.00
14,800.00	92.10	333.00	10,823.00	2,807.77	-2,629.77	3,695.63	0.00	0.00	0.00
14,900.00	92.10	333.00	10,819.34	2,896.81	-2,675.14	3,795.57	0.00	0.00	0.00
15,000.00	92.10	333.00	10,815.67	2,985.86	-2,720.51	3,895.50	0.00	0.00	0.00
15,100.00	92.10	333.00	10,812.01	3,074.90	-2,765.87	3,995.43	0.00	0.00	0.00
15,200.00	92.10	333.00	10,808.34	3,163.94	-2,811.24	4,095.37	0.00	0.00	0.00
15,300.00	92.10	333.00	10,804.68	3,252.98	-2,856.61	4,195.30	0.00	0.00	0.00
15,400.00	92.10	333.00	10,801.01	3,342.02	-2,901.98	4,295.23	0.00	0.00	0.00
15,500.00	92.10	333.00	10,797.35	3,431.06	-2,947.35	4,395.16	0.00	0.00	0.00
15,600.00	92.10	333.00	10,793.68	3,520.10	-2,992.72	4,495.10	0.00	0.00	0.00
15,700.00	92.10	333.00	10,790.02	3,609.14	-3,038.08	4,595.03	0.00	0.00	0.00
15,800.00	92.10	333.00	10,786.36	3,698.18	-3,083.45	4,694.96	0.00	0.00	0.00
15,900.00	92.10	333.00	10,782.69	3,787.22	-3,128.82	4,794.90	0.00	0.00	0.00
16,000.00	92.10	333.00	10,779.03	3,876.26	-3,174.19	4,894.83	0.00	0.00	0.00
16,100.00	92.10	333.00	10,775.36	3,965.30	-3,219.56	4,994.76	0.00	0.00	0.00
16,200.00	92.10	333.00	10,771.70	4,054.34	-3,264.93	5,094.69	0.00	0.00	0.00
16,300.00	92.10	333.00	10,768.03	4,143.39	-3,310.30	5,194.63	0.00	0.00	0.00
16,400.00	92.10	333.00	10,764.37	4,232.43	-3,355.66	5,294.56	0.00	0.00	0.00
16,464.66	92.10	333.00	10,762.00	4,290.00	-3,385.00	5,359.18	0.00	0.00	0.00

PBHL (Mr Dub#1H ST01)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Mr Dub#1H ST01)	0.00	0.01	10,762.00	4,290.00	-3,385.00	474,910.00	3,437,962.00	30° 53' 27.569 N	95° 44' 51.234 W
- plan hits target center									
- Point									



EOG Resources, Inc.

Survey Report

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Local Co-ordinate Reference: Well #1H
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Survey Calculation Method: Minimum Curvature
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Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
11,036.30	10,930.00	7"	7	7-1/2

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,765.00	1,765.00	SPARTA			
2,159.00	2,159.00	QUEEN CITY			
2,568.00	2,568.00	WILCOX			
7,045.00	7,045.00	MIDWAY			
8,855.00	8,855.00	PECAN GAP			
9,619.00	9,619.00	AUSTIN CHALK			
9,909.00	9,909.00	AUSTIN BASE			
10,025.00	10,025.00	WDBN			
10,434.00	10,434.00	Base WDBN			
10,610.93	10,608.00	Base Rabbit Ears			
11,000.74	10,911.52	False Buda		2.10	153.00
11,031.44	10,927.57	Buda Top		2.10	153.00
11,076.87	10,947.07	BUDA TARGET		2.10	153.00

Checked By: _____ Approved By: _____ Date: _____