



Section Details									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	10442.6	0.00	0.00	10442.6	0.0	0.0	0.00	0.00	0.0
3	11188.2	89.47	359.69	10920.0	473.0	-2.6	12.00	359.69	473.0
4	15478.3	89.47	359.69	10960.0	4762.9	-25.8	0.00	0.00	4763.0

COG Production LLC
Project: Lea County, NM
Site: Treasure Island Federal Com
Well: #3H
Wellbore: OH
Plan: Plan #2 (#3H/OH)

WELL DETAILS: #3H

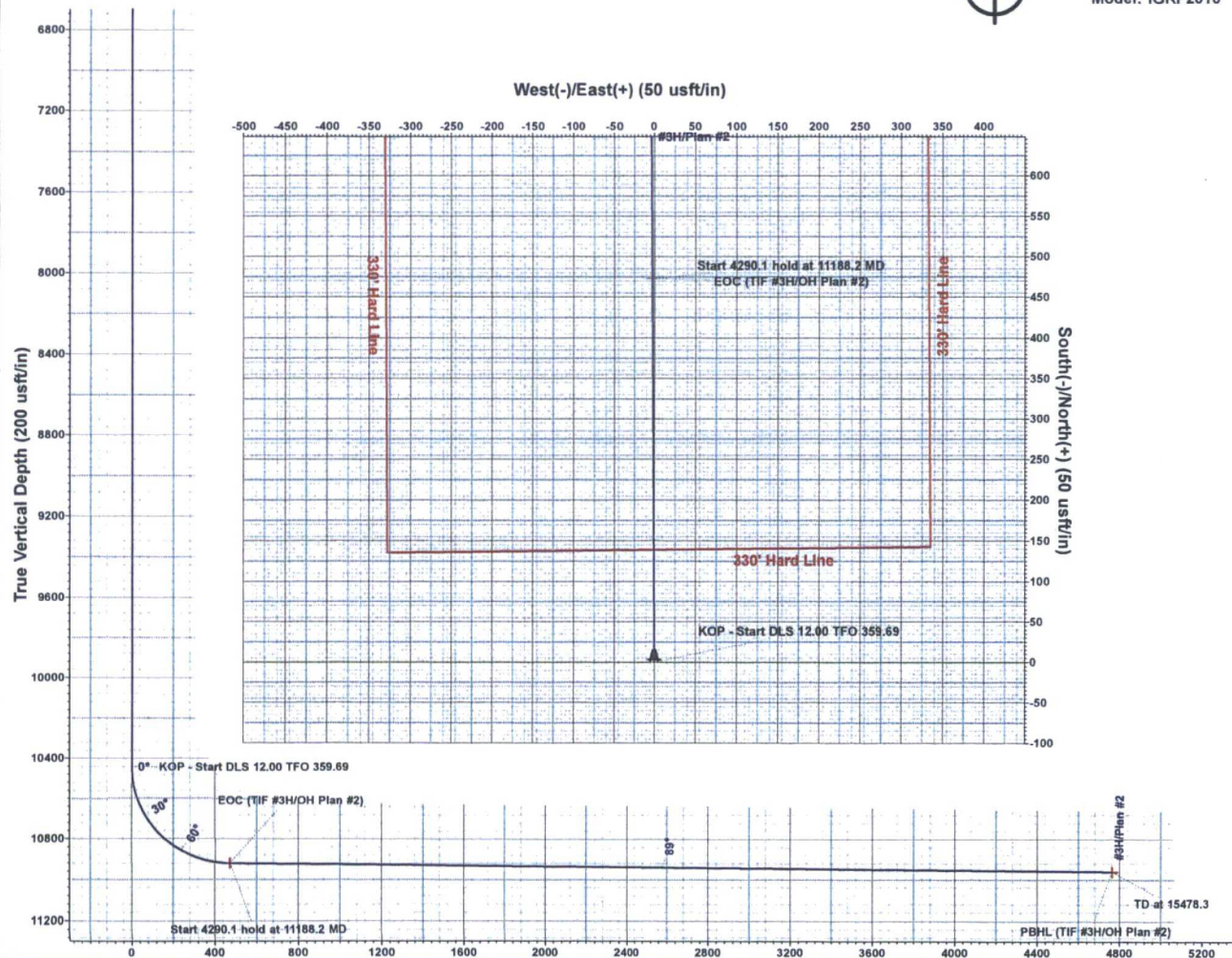
Ground Elevation:: 3588.6
RKB Elevation: WELL @ 3610.6usft (Original Well Elev)
Rig Name: Original Well Elev

Northing 435793.20 Easting 712276.50 Latitude 32° 11' 46.502 N Longitude 103° 38' 49.561 W

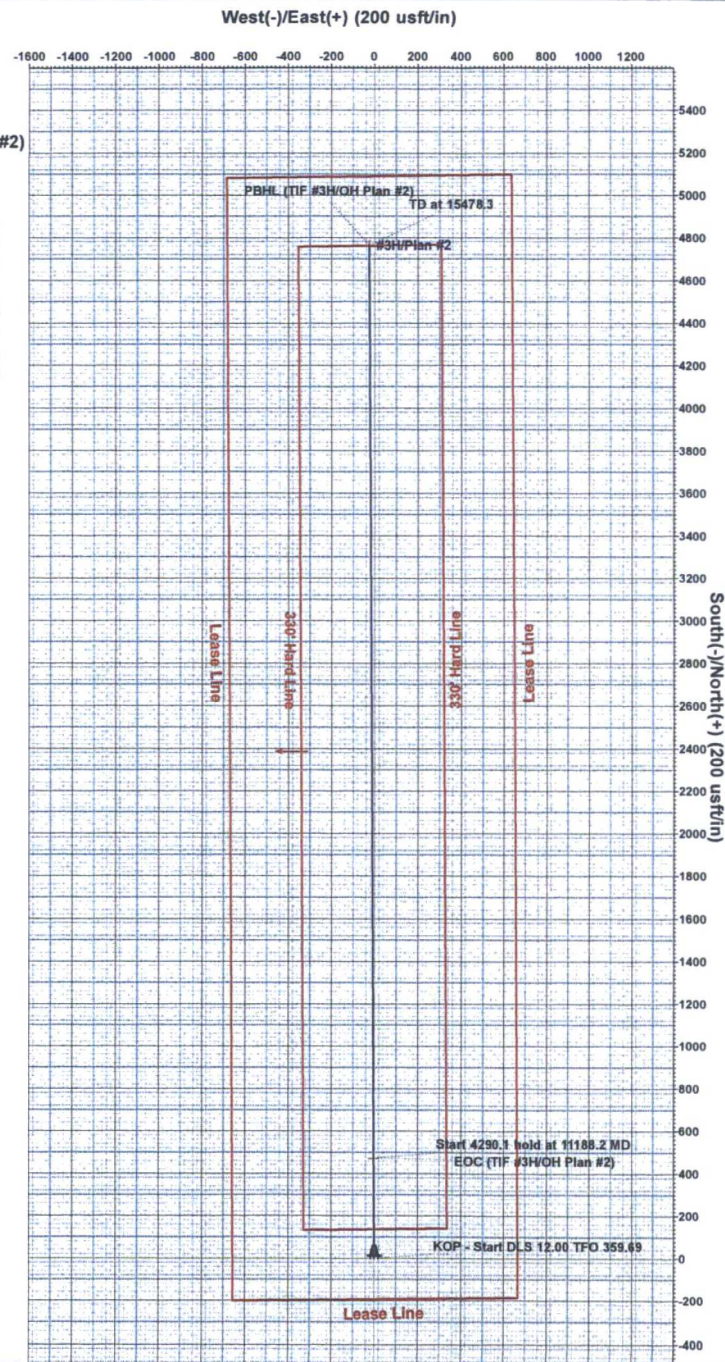


Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.96°

Magnetic Field
Strength: 48353.9snT
Dip Angle: 60.09°
Date: 10/25/2013
Model: IGRF2010



Vertical Section at 359.69° (200 usft/in)



Plan: Plan #2 (#3H/OH)
Created By: Well Planner Date: 16:02, October 29 2014

Terra Directional Services
322 Spring Hill Drive, Suite A100, Spring, Texas 77386
432.425.7532

PROJECT DETAILS: Lea County, NM
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
Local North: Grid



COG Production LLC

Lea County, NM

Treasure Island Federal Com

#3H

OH

Plan: Plan #2

HOBBS OCD
DEC 22 2016
RECEIVED

Standard Planning Report

29 October, 2014





TDS
Planning Report



Database: EDM 5000.1 Single User Db
Company: COG Production LLC
Project: Lea County, NM
Site: Treasure Island Federal Com
Well: #3H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #3H
TVD Reference: WELL @ 3610.6usft (Original Well Elev)
MD Reference: WELL @ 3610.6usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project: Lea County, NM
Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001
System Datum: Mean Sea Level

Site: Treasure Island Federal Com
Site Position: Northing: 435,807.90 usft Latitude: 32° 11' 46.554 N
From: Map Easting: 713,748.60 usft Longitude: 103° 38' 32.429 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.37 °

Well: #3H
Well Position: +N/-S -14.7 usft Northing: 435,793.20 usft Latitude: 32° 11' 46.502 N
+E/-W -1,472.1 usft Easting: 712,276.50 usft Longitude: 103° 38' 49.561 W
Position Uncertainty: 0.0 usft Wellhead Elevation: Ground Level: 3,588.6 usft

Wellbore: OH
Magnetics: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
IGRF2010 10/25/2013 7.33 60.09 48,354

Design: Plan #2
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.0
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
(usft) (usft) (usft) (°)
0.0 0.0 0.0 359.69

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,442.6	0.00	0.00	10,442.6	0.0	0.0	0.00	0.00	0.00	0.00	
11,188.2	89.47	359.69	10,920.0	473.0	-2.6	12.00	12.00	-0.04	359.69	
15,478.3	89.47	359.69	10,960.0	4,762.9	-25.8	0.00	0.00	0.00	0.00	PBHL (TIF #3H/OH P



TDS
Planning Report



Database: EDM 5000.1 Single User Db
Company: COG Production LLC
Project: Lea County, NM
Site: Treasure Island Federal Com
Well: #3H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #3H
TVD Reference: WELL @ 3610.6usft (Original Well Elev)
MD Reference: WELL @ 3610.6usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



TDS
Planning Report



Database: EDM 5000.1 Single User Db
Company: COG Production LLC
Project: Lea County, NM
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Wellbore: OH
Design: Plan #2

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

Well #3H
WELL @ 3610.6usft (Original Well Elev)
WELL @ 3610.6usft (Original Well Elev)
Grid
Minimum Curvature

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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,442.6	0.00	0.00	10,442.6	0.0	0.0	0.0	0.00	0.00	0.00

KOP - Start DLS 12.00 TFO 359.69



TDS
Planning Report



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Project: Lea County, NM
Site: Treasure Island Federal Com
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MD Reference:
North Reference:
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Well #3H
WELL @ 3610.6usft (Original Well Elev)
WELL @ 3610.6usft (Original Well Elev)
Grid
Minimum Curvature

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)
10,450.0	0.89	359.69	10,450.0	0.1	0.0	0.1	12.00	12.00	0.00
10,475.0	3.89	359.69	10,475.0	1.1	0.0	1.1	12.00	12.00	0.00
10,500.0	6.89	359.69	10,499.9	3.4	0.0	3.4	12.00	12.00	0.00
10,525.0	9.89	359.69	10,524.6	7.1	0.0	7.1	12.00	12.00	0.00
10,550.0	12.89	359.69	10,549.1	12.0	-0.1	12.0	12.00	12.00	0.00
10,575.0	15.89	359.69	10,573.3	18.2	-0.1	18.2	12.00	12.00	0.00
10,600.0	18.89	359.69	10,597.2	25.7	-0.1	25.7	12.00	12.00	0.00
10,625.0	21.89	359.69	10,620.6	34.4	-0.2	34.4	12.00	12.00	0.00
10,650.0	24.89	359.69	10,643.5	44.3	-0.2	44.3	12.00	12.00	0.00
10,675.0	27.89	359.69	10,665.9	55.5	-0.3	55.5	12.00	12.00	0.00
10,700.0	30.89	359.69	10,687.7	67.7	-0.4	67.7	12.00	12.00	0.00
10,725.0	33.89	359.69	10,708.8	81.1	-0.4	81.1	12.00	12.00	0.00
10,750.0	36.89	359.69	10,729.2	95.6	-0.5	95.6	12.00	12.00	0.00
10,775.0	39.89	359.69	10,748.8	111.1	-0.6	111.1	12.00	12.00	0.00
10,800.0	42.89	359.69	10,767.5	127.6	-0.7	127.6	12.00	12.00	0.00
10,825.0	45.89	359.69	10,785.4	145.1	-0.8	145.1	12.00	12.00	0.00
10,850.0	48.89	359.69	10,802.3	163.5	-0.9	163.5	12.00	12.00	0.00
10,875.0	51.89	359.69	10,818.3	182.8	-1.0	182.8	12.00	12.00	0.00
10,900.0	54.89	359.69	10,833.2	202.8	-1.1	202.8	12.00	12.00	0.00
10,925.0	57.89	359.69	10,847.0	223.7	-1.2	223.7	12.00	12.00	0.00
10,950.0	60.89	359.69	10,859.7	245.2	-1.3	245.2	12.00	12.00	0.00
10,975.0	63.89	359.69	10,871.3	267.3	-1.4	267.3	12.00	12.00	0.00
11,000.0	66.89	359.69	10,881.7	290.0	-1.6	290.0	12.00	12.00	0.00
11,025.0	69.89	359.69	10,890.9	313.3	-1.7	313.3	12.00	12.00	0.00
11,050.0	72.89	359.69	10,898.9	337.0	-1.8	337.0	12.00	12.00	0.00
11,075.0	75.89	359.69	10,905.7	361.0	-2.0	361.1	12.00	12.00	0.00
11,100.0	78.89	359.69	10,911.1	385.4	-2.1	385.4	12.00	12.00	0.00
11,125.0	81.89	359.69	10,915.3	410.1	-2.2	410.1	12.00	12.00	0.00
11,150.0	84.89	359.69	10,918.2	434.9	-2.4	434.9	12.00	12.00	0.00
11,175.0	87.89	359.69	10,919.7	459.9	-2.5	459.9	12.00	12.00	0.00
11,188.2	89.47	359.69	10,920.0	473.0	-2.6	473.0	12.00	12.00	0.00
EOC - Start 4290.1 hold at 11188.2 MD									
11,200.0	89.47	359.69	10,920.2	484.9	-2.6	484.9	0.00	0.00	0.00
11,300.0	89.47	359.69	10,921.1	584.9	-3.2	584.9	0.00	0.00	0.00
11,400.0	89.47	359.69	10,922.0	684.8	-3.7	684.9	0.00	0.00	0.00
11,500.0	89.47	359.69	10,922.9	784.8	-4.3	784.9	0.00	0.00	0.00
11,600.0	89.47	359.69	10,923.9	884.8	-4.8	884.8	0.00	0.00	0.00
11,700.0	89.47	359.69	10,924.8	984.8	-5.3	984.8	0.00	0.00	0.00
11,800.0	89.47	359.69	10,925.7	1,084.8	-5.9	1,084.8	0.00	0.00	0.00
11,900.0	89.47	359.69	10,926.7	1,184.8	-6.4	1,184.8	0.00	0.00	0.00
12,000.0	89.47	359.69	10,927.6	1,284.8	-7.0	1,284.8	0.00	0.00	0.00
12,100.0	89.47	359.69	10,928.5	1,384.8	-7.5	1,384.8	0.00	0.00	0.00
12,200.0	89.47	359.69	10,929.5	1,484.8	-8.0	1,484.8	0.00	0.00	0.00
12,300.0	89.47	359.69	10,930.4	1,584.8	-8.6	1,584.8	0.00	0.00	0.00
12,400.0	89.47	359.69	10,931.3	1,684.8	-9.1	1,684.8	0.00	0.00	0.00
12,500.0	89.47	359.69	10,932.3	1,784.8	-9.7	1,784.8	0.00	0.00	0.00
12,600.0	89.47	359.69	10,933.2	1,884.8	-10.2	1,884.8	0.00	0.00	0.00
12,700.0	89.47	359.69	10,934.1	1,984.8	-10.8	1,984.8	0.00	0.00	0.00
12,800.0	89.47	359.69	10,935.1	2,084.8	-11.3	2,084.8	0.00	0.00	0.00
12,900.0	89.47	359.69	10,936.0	2,184.8	-11.8	2,184.8	0.00	0.00	0.00
13,000.0	89.47	359.69	10,936.9	2,284.8	-12.4	2,284.8	0.00	0.00	0.00
13,100.0	89.47	359.69	10,937.8	2,384.7	-12.9	2,384.8	0.00	0.00	0.00
13,200.0	89.47	359.69	10,938.8	2,484.7	-13.5	2,484.8	0.00	0.00	0.00
13,300.0	89.47	359.69	10,939.7	2,584.7	-14.0	2,584.8	0.00	0.00	0.00



TDS
Planning Report



Database: EDM 5000.1 Single User Db
Company: COG Production LLC
Project: Lea County, NM
Site: Treasure Island Federal Com
Well: #3H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well #3H
TVD Reference: WELL @ 3610.6usft (Original Well Elev)
MD Reference: WELL @ 3610.6usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
13,400.0	89.47	359.69	10,940.6	2,684.7	-14.5	2,684.8	0.00	0.00	0.00
13,500.0	89.47	359.69	10,941.6	2,784.7	-15.1	2,784.8	0.00	0.00	0.00
13,600.0	89.47	359.69	10,942.5	2,884.7	-15.6	2,884.8	0.00	0.00	0.00
13,700.0	89.47	359.69	10,943.4	2,984.7	-16.2	2,984.8	0.00	0.00	0.00
13,800.0	89.47	359.69	10,944.4	3,084.7	-16.7	3,084.8	0.00	0.00	0.00
13,900.0	89.47	359.69	10,945.3	3,184.7	-17.3	3,184.7	0.00	0.00	0.00
14,000.0	89.47	359.69	10,946.2	3,284.7	-17.8	3,284.7	0.00	0.00	0.00
14,100.0	89.47	359.69	10,947.2	3,384.7	-18.3	3,384.7	0.00	0.00	0.00
14,200.0	89.47	359.69	10,948.1	3,484.7	-18.9	3,484.7	0.00	0.00	0.00
14,300.0	89.47	359.69	10,949.0	3,584.7	-19.4	3,584.7	0.00	0.00	0.00
14,400.0	89.47	359.69	10,950.0	3,684.7	-20.0	3,684.7	0.00	0.00	0.00
14,500.0	89.47	359.69	10,950.9	3,784.7	-20.5	3,784.7	0.00	0.00	0.00
14,600.0	89.47	359.69	10,951.8	3,884.7	-21.0	3,884.7	0.00	0.00	0.00
14,700.0	89.47	359.69	10,952.8	3,984.7	-21.6	3,984.7	0.00	0.00	0.00
14,800.0	89.47	359.69	10,953.7	4,084.6	-22.1	4,084.7	0.00	0.00	0.00
14,900.0	89.47	359.69	10,954.6	4,184.6	-22.7	4,184.7	0.00	0.00	0.00
15,000.0	89.47	359.69	10,955.5	4,284.6	-23.2	4,284.7	0.00	0.00	0.00
15,100.0	89.47	359.69	10,956.5	4,384.6	-23.8	4,384.7	0.00	0.00	0.00
15,200.0	89.47	359.69	10,957.4	4,484.6	-24.3	4,484.7	0.00	0.00	0.00
15,300.0	89.47	359.69	10,958.3	4,584.6	-24.8	4,584.7	0.00	0.00	0.00
15,400.0	89.47	359.69	10,959.3	4,684.6	-25.4	4,684.7	0.00	0.00	0.00
15,478.3	89.47	359.69	10,960.0	4,762.9	-25.8	4,763.0	0.00	0.00	0.00
TD at 15478.3									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
EOC (TIF #3H/OH Plan - plan hits target center - Point	0.00	0.00	10,920.0	473.1	-2.6	436,266.26	712,273.93	32° 11' 51.183 N	103° 38' 49.555 W
PBHL (TIF #3H/OH Plan - plan hits target center - Point	0.00	0.00	10,960.0	4,762.9	-25.8	440,556.10	712,250.70	32° 12' 33.636 N	103° 38' 49.507 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,442.6	10,442.6	0.0	0.0	KOP - Start DLS 12.00 TFO 359.69
11,188.2	10,920.0	473.0	-2.6	EOC - Start 4290.1 hold at 11188.2 MD
15,478.3	10,960.0	4,762.9	-25.8	TD at 15478.3