



Devon Energy, Inc.

Eddy County, NM (NAD 83)

Snapping 2 State

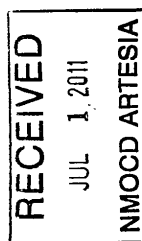
#7H

OH

Plan: Plan #1

PathFinder X&Y Report

28 June, 2011



30-015-39143

PATHFINDER®

A Schlumberger Company



Project: Eddy County, NM (NAD 83)
Site: Snapping 2 State
Well: #7H
Wellbore: OH
Plan: Plan #1 (#7H/OH)

PATHFINDER®
A Schlumberger Company

PROJECT DETAILS: Eddy County, NM (NAD 83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid

WELL DETAILS: #7H

Ground Elevation: 3241.00
RKB Elevation: WELL @ 3267.00ft (Original Well Elev)
Rig Name: Original Well Elev

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	388163.49	722735.73	32° 3' 56.837960 N	103° 44' 51.868285 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8517.04	0.00	0.00	8517.04	0.00	0.00	0.00	0.00	0.00	
3	9417.04	90.00	359.80	9090.00	572.95	-2.01	10.00	359.80	572.96	
4	13497.14	90.00	359.80	9090.00	4653.03	-16.35	0.00	0.00	4653.05	BHL (Snapping 7)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL (Snapping 7)	9090.00	4653.03	-16.35	392816.52	722719.38	Point

TARGET CENTERLINE

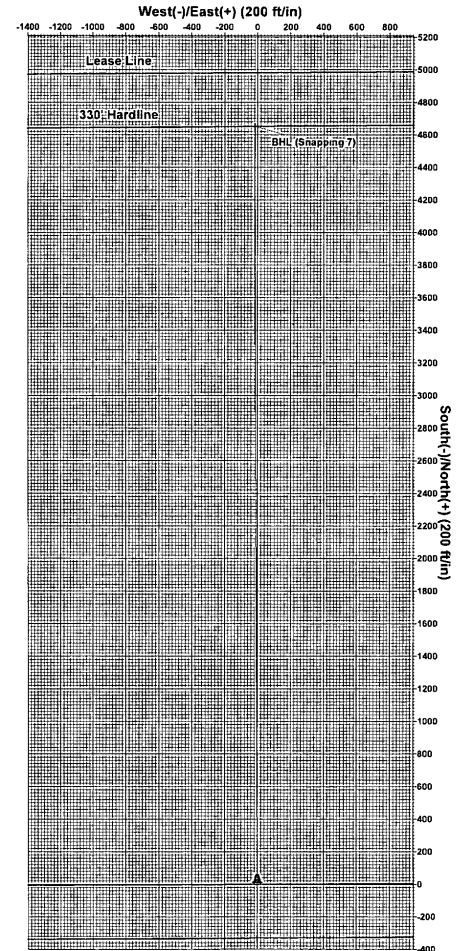
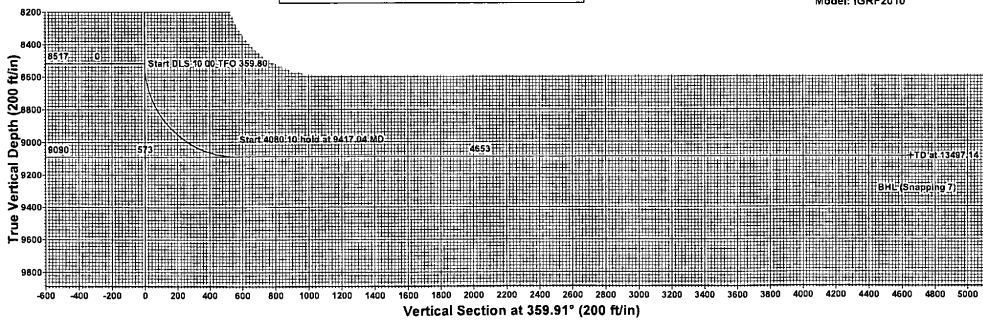
TVD @ 0° VS: 9,090'

Dip Angle: 0° Dip



Azimuths to Grid North
True North: -0.51°
Magnetic North: 7.34°

Magnetic Field
Strength: 48498.95nT
Dip Angle: 60.01°
Date: 2011/06/28
Model: IGRF2010



Plan Plan #1 (#7H/OH)

Created By: Kurt Otto Date: 14:02, June 28 2011

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3267.00ft (Original Well Elev)
Site:	Snapping 2 State	MD Reference:	WELL @ 3267.00ft (Original Well Elev)
Well:	#7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	1 Smith Database

Project	Eddy County, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Snapping 2 State		
Site Position:	From:	Map	0.00 ft
Position Uncertainty:	0.00 ft		
Northing:	388,157.02 ft	Latitude:	32° 3' 56.845500 N
Easting:	721,398.02 ft	Longitude:	103° 45' 7.414288 W
Slot Radius:	"	Grid Convergence:	0.31 °

Well	#7H					
Well Position	+N-S	0.00 ft	Northing:	388,163.49 ft	Latitude:	32° 3' 56.837960 N
	+E-W	0.00 ft	Easting:	722,735.73 ft	Longitude:	103° 44' 51.868285 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	3,241.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/06/28	7.65	60.01	48,499

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)	
	0.00	0.00	0.00	359.91	

Survey Tool Program	Date 2011/06/28				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	13,497.14	Plan #1 (OH)	Pathfinder	Pathfinder MWD	

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Well:	#7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	1 Smith Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-3,267.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
100.00	0.00	0.00	100.00	-3,167.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
200.00	0.00	0.00	200.00	-3,067.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
300.00	0.00	0.00	300.00	-2,967.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
400.00	0.00	0.00	400.00	-2,867.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
500.00	0.00	0.00	500.00	-2,767.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
600.00	0.00	0.00	600.00	-2,667.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
700.00	0.00	0.00	700.00	-2,567.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
800.00	0.00	0.00	800.00	-2,467.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
900.00	0.00	0.00	900.00	-2,367.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,000.00	0.00	0.00	1,000.00	-2,267.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,100.00	0.00	0.00	1,100.00	-2,167.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,200.00	0.00	0.00	1,200.00	-2,067.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,300.00	0.00	0.00	1,300.00	-1,967.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,400.00	0.00	0.00	1,400.00	-1,867.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,500.00	0.00	0.00	1,500.00	-1,767.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,600.00	0.00	0.00	1,600.00	-1,667.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,700.00	0.00	0.00	1,700.00	-1,567.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,800.00	0.00	0.00	1,800.00	-1,467.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
1,900.00	0.00	0.00	1,900.00	-1,367.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,000.00	0.00	0.00	2,000.00	-1,267.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,100.00	0.00	0.00	2,100.00	-1,167.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,200.00	0.00	0.00	2,200.00	-1,067.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,300.00	0.00	0.00	2,300.00	-967.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,400.00	0.00	0.00	2,400.00	-867.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,500.00	0.00	0.00	2,500.00	-767.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73
2,600.00	0.00	0.00	2,600.00	-667.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3267.00ft (Original Well Elev)
Site:	Snapping 2 State	MD Reference:	WELL @ 3267.00ft (Original Well Elev)
Well:	#7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	1 Smith Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,700.00	0.00	0.00	2,700.00	-567.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
2,800.00	0.00	0.00	2,800.00	-467.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
2,900.00	0.00	0.00	2,900.00	-367.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,000.00	0.00	0.00	3,000.00	-267.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,100.00	0.00	0.00	3,100.00	-167.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,200.00	0.00	0.00	3,200.00	-67.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,300.00	0.00	0.00	3,300.00	33.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,400.00	0.00	0.00	3,400.00	133.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,500.00	0.00	0.00	3,500.00	233.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,600.00	0.00	0.00	3,600.00	333.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,700.00	0.00	0.00	3,700.00	433.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,800.00	0.00	0.00	3,800.00	533.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
3,900.00	0.00	0.00	3,900.00	633.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,000.00	0.00	0.00	4,000.00	733.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,100.00	0.00	0.00	4,100.00	833.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,200.00	0.00	0.00	4,200.00	933.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,300.00	0.00	0.00	4,300.00	1,033.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,400.00	0.00	0.00	4,400.00	1,133.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,500.00	0.00	0.00	4,500.00	1,233.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,600.00	0.00	0.00	4,600.00	1,333.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,700.00	0.00	0.00	4,700.00	1,433.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,800.00	0.00	0.00	4,800.00	1,533.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
4,900.00	0.00	0.00	4,900.00	1,633.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,000.00	0.00	0.00	5,000.00	1,733.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,100.00	0.00	0.00	5,100.00	1,833.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,200.00	0.00	0.00	5,200.00	1,933.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,300.00	0.00	0.00	5,300.00	2,033.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	

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5,400.00	0.00	0.00	5,400.00	2,133.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,500.00	0.00	0.00	5,500.00	2,233.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,600.00	0.00	0.00	5,600.00	2,333.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,700.00	0.00	0.00	5,700.00	2,433.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,800.00	0.00	0.00	5,800.00	2,533.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
5,900.00	0.00	0.00	5,900.00	2,633.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,000.00	0.00	0.00	6,000.00	2,733.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,100.00	0.00	0.00	6,100.00	2,833.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,200.00	0.00	0.00	6,200.00	2,933.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,300.00	0.00	0.00	6,300.00	3,033.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,400.00	0.00	0.00	6,400.00	3,133.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,500.00	0.00	0.00	6,500.00	3,233.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,600.00	0.00	0.00	6,600.00	3,333.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,700.00	0.00	0.00	6,700.00	3,433.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,800.00	0.00	0.00	6,800.00	3,533.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
6,900.00	0.00	0.00	6,900.00	3,633.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,000.00	0.00	0.00	7,000.00	3,733.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,100.00	0.00	0.00	7,100.00	3,833.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,200.00	0.00	0.00	7,200.00	3,933.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,300.00	0.00	0.00	7,300.00	4,033.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,400.00	0.00	0.00	7,400.00	4,133.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,500.00	0.00	0.00	7,500.00	4,233.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,600.00	0.00	0.00	7,600.00	4,333.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,700.00	0.00	0.00	7,700.00	4,433.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,800.00	0.00	0.00	7,800.00	4,533.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
7,900.00	0.00	0.00	7,900.00	4,633.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,000.00	0.00	0.00	8,000.00	4,733.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	

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MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
8,100.00	0.00	0.00	8,100.00	4,833.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,200.00	0.00	0.00	8,200.00	4,933.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,300.00	0.00	0.00	8,300.00	5,033.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,400.00	0.00	0.00	8,400.00	5,133.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,500.00	0.00	0.00	8,500.00	5,233.00	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,517.04	0.00	0.00	8,517.04	5,250.04	0.00	0.00	0.00	0.00	388,163.49	722,735.73	
8,550.00	3.30	359.80	8,549.98	5,282.98	0.95	0.00	0.95	10.00	388,164.44	722,735.73	
8,600.00	8.30	359.80	8,599.71	5,332.71	6.00	-0.02	6.00	10.00	388,169.49	722,735.71	
8,650.00	13.30	359.80	8,648.81	5,381.81	15.36	-0.05	15.36	10.00	388,178.85	722,735.68	
8,700.00	18.30	359.80	8,696.91	5,429.91	28.96	-0.10	28.96	10.00	388,192.45	722,735.63	
8,750.00	23.30	359.80	8,743.63	5,476.63	46.71	-0.16	46.71	10.00	388,210.20	722,735.57	
8,800.00	28.30	359.80	8,788.64	5,521.64	68.46	-0.24	68.46	10.00	388,231.95	722,735.49	
8,850.00	33.30	359.80	8,831.57	5,564.57	94.05	-0.33	94.05	10.00	388,257.54	722,735.40	
8,900.00	38.30	359.80	8,872.12	5,605.12	123.29	-0.43	123.29	10.00	388,286.78	722,735.30	
8,950.00	43.30	359.80	8,909.96	5,642.96	155.95	-0.55	155.95	10.00	388,319.44	722,735.18	
9,000.00	48.30	359.80	8,944.81	5,677.81	191.78	-0.67	191.78	10.00	388,355.27	722,735.06	
9,050.00	53.30	359.80	8,976.40	5,709.40	230.51	-0.81	230.51	10.00	388,394.00	722,734.92	
9,100.00	58.30	359.80	9,004.50	5,737.50	271.85	-0.96	271.85	10.00	388,435.34	722,734.77	
9,150.00	63.30	359.80	9,028.89	5,761.89	315.48	-1.11	315.48	10.00	388,478.97	722,734.62	
9,200.00	68.30	359.80	9,049.38	5,782.38	361.07	-1.27	361.07	10.00	388,524.56	722,734.46	
9,250.00	73.30	359.80	9,065.82	5,798.82	408.27	-1.43	408.27	10.00	388,571.76	722,734.30	
9,300.00	78.30	359.80	9,078.08	5,811.08	456.73	-1.60	456.73	10.00	388,620.22	722,734.13	
9,350.00	83.30	359.80	9,086.08	5,819.08	506.07	-1.78	506.07	10.00	388,669.56	722,733.95	
9,400.00	88.30	359.80	9,089.74	5,822.74	555.92	-1.95	555.92	10.00	388,719.41	722,733.78	
9,417.04	90.00	359.80	9,090.00	5,823.00	572.95	-2.01	572.96	10.00	388,736.44	722,733.72	
9,500.00	90.00	359.80	9,090.00	5,823.00	655.91	-2.30	655.92	0.00	388,819.40	722,733.43	
9,600.00	90.00	359.80	9,090.00	5,823.00	755.91	-2.66	755.92	0.00	388,919.40	722,733.07	

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3267.00ft (Original Well Elev)
Site:	Snapping 2 State	MD Reference:	WELL @ 3267.00ft (Original Well Elev)
Well:	#7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	1 Smith Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
9,700.00	90.00	359.80	9,090.00	5,823.00	855.91	-3.01	855.92	0.00	389,019.40	722,732.72
9,800.00	90.00	359.80	9,090.00	5,823.00	955.91	-3.36	955.92	0.00	389,119.40	722,732.37
9,900.00	90.00	359.80	9,090.00	5,823.00	1,055.91	-3.71	1,055.92	0.00	389,219.40	722,732.02
10,000.00	90.00	359.80	9,090.00	5,823.00	1,155.91	-4.06	1,155.92	0.00	389,319.40	722,731.67
10,100.00	90.00	359.80	9,090.00	5,823.00	1,255.91	-4.41	1,255.92	0.00	389,419.40	722,731.32
10,200.00	90.00	359.80	9,090.00	5,823.00	1,355.91	-4.76	1,355.92	0.00	389,519.40	722,730.97
10,300.00	90.00	359.80	9,090.00	5,823.00	1,455.91	-5.12	1,455.92	0.00	389,619.40	722,730.61
10,400.00	90.00	359.80	9,090.00	5,823.00	1,555.91	-5.47	1,555.92	0.00	389,719.40	722,730.26
10,500.00	90.00	359.80	9,090.00	5,823.00	1,655.91	-5.82	1,655.92	0.00	389,819.40	722,729.91
10,600.00	90.00	359.80	9,090.00	5,823.00	1,755.91	-6.17	1,755.92	0.00	389,919.40	722,729.56
10,700.00	90.00	359.80	9,090.00	5,823.00	1,855.91	-6.52	1,855.91	0.00	390,019.40	722,729.21
10,800.00	90.00	359.80	9,090.00	5,823.00	1,955.91	-6.87	1,955.91	0.00	390,119.40	722,728.86
10,900.00	90.00	359.80	9,090.00	5,823.00	2,055.91	-7.22	2,055.91	0.00	390,219.40	722,728.51
11,000.00	90.00	359.80	9,090.00	5,823.00	2,155.91	-7.58	2,155.91	0.00	390,319.40	722,728.15
11,100.00	90.00	359.80	9,090.00	5,823.00	2,255.90	-7.93	2,255.91	0.00	390,419.39	722,727.80
11,200.00	90.00	359.80	9,090.00	5,823.00	2,355.90	-8.28	2,355.91	0.00	390,519.39	722,727.45
11,300.00	90.00	359.80	9,090.00	5,823.00	2,455.90	-8.63	2,455.91	0.00	390,619.39	722,727.10
11,400.00	90.00	359.80	9,090.00	5,823.00	2,555.90	-8.98	2,555.91	0.00	390,719.39	722,726.75
11,500.00	90.00	359.80	9,090.00	5,823.00	2,655.90	-9.33	2,655.91	0.00	390,819.39	722,726.40
11,600.00	90.00	359.80	9,090.00	5,823.00	2,755.90	-9.68	2,755.91	0.00	390,919.39	722,726.05
11,700.00	90.00	359.80	9,090.00	5,823.00	2,855.90	-10.04	2,855.91	0.00	391,019.39	722,725.69
11,800.00	90.00	359.80	9,090.00	5,823.00	2,955.90	-10.39	2,955.91	0.00	391,119.39	722,725.34
11,900.00	90.00	359.80	9,090.00	5,823.00	3,055.90	-10.74	3,055.91	0.00	391,219.39	722,724.99
12,000.00	90.00	359.80	9,090.00	5,823.00	3,155.90	-11.09	3,155.91	0.00	391,319.39	722,724.64
12,100.00	90.00	359.80	9,090.00	5,823.00	3,255.90	-11.44	3,255.91	0.00	391,419.39	722,724.29
12,200.00	90.00	359.80	9,090.00	5,823.00	3,355.90	-11.79	3,355.91	0.00	391,519.39	722,723.94
12,300.00	90.00	359.80	9,090.00	5,823.00	3,455.90	-12.14	3,455.91	0.00	391,619.39	722,723.59

Company:	Devon Energy, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	WELL @ 3267.00ft (Original Well Elev)
Site:	Snapping 2 State	MD Reference:	WELL @ 3267.00ft (Original Well Elev)
Well:	#7H	North Reference:	Grd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	1 Smith Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
12,400.00	90.00	359.80	9,090.00	5,823.00	3,555.90	-12.49	3,555.91	0.00	391,719.39	722,723.24
12,500.00	90.00	359.80	9,090.00	5,823.00	3,655.90	-12.85	3,655.91	0.00	391,819.39	722,722.88
12,600.00	90.00	359.80	9,090.00	5,823.00	3,755.90	-13.20	3,755.91	0.00	391,919.39	722,722.53
12,700.00	90.00	359.80	9,090.00	5,823.00	3,855.89	-13.55	3,855.91	0.00	392,019.38	722,722.18
12,800.00	90.00	359.80	9,090.00	5,823.00	3,955.89	-13.90	3,955.91	0.00	392,119.38	722,721.83
12,900.00	90.00	359.80	9,090.00	5,823.00	4,055.89	-14.25	4,055.91	0.00	392,219.38	722,721.48
13,000.00	90.00	359.80	9,090.00	5,823.00	4,155.89	-14.60	4,155.91	0.00	392,319.38	722,721.13
13,100.00	90.00	359.80	9,090.00	5,823.00	4,255.89	-14.95	4,255.91	0.00	392,419.38	722,720.78
13,200.00	90.00	359.80	9,090.00	5,823.00	4,355.89	-15.31	4,355.91	0.00	392,519.38	722,720.42
13,300.00	90.00	359.80	9,090.00	5,823.00	4,455.89	-15.66	4,455.91	0.00	392,619.38	722,720.07
13,400.00	90.00	359.80	9,090.00	5,823.00	4,555.89	-16.01	4,555.91	0.00	392,719.38	722,719.72
13,497.14	90.00	359.80	9,090.00	5,823.00	4,653.03	-16.35	4,653.05	0.00	392,816.52	722,719.38
BHL (Snapping 7)										

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL (Snapping 7)	0.00	0.00	9,090.00	4,653.03	-16.35	392,816.52	722,719.38	32° 4' 42.884219 N	3° 44' 51.764812 W
- plan hits target center									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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