

30-025 40422



Devon Energy, Inc.

Lea County (NAD83)
Tin Cup 35 State Com
#2H
OH

Plan: Plan #1

PathfinderX & Y Report

20 January, 2012

HOBBS OCD

JAN 26 2012

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PATHFINDER®

A Schlumberger Company



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc.	Local Co-ordinate Reference	Site Tin Cup 35 State Com
Project	Lea County (NAD83)	TVD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Site	Tin Cup 35 State Com	MD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Well:	#2H	North Reference:	Grid
Wellbore	OH	Survey Calculation Method	Minimum Curvature
Design:	Plan #1	Database	EDM 5000 1 Single User Db

Project:	Lea County (NAD83)		
Map System	US State Plane 1983	System Datum	Mean Sea Level
Geo Datum	North American Datum 1983		
Map Zone	New Mexico Eastern Zone		

Site	Tin Cup 35 State Com		
Site Position	Map	Northing	621,406 570 usft
From:		Easting	791,772 140 usft
Position Uncertainty	0 0 usft	Slot Radius	13-3/16 "
		Latitude:	32° 42' 20 323 N
		Longitude	103° 31' 8 986 W
		Grid Convergence:	0 44 "

Well	#2H		
Well Position	+N-S 0 0 usft	Northing:	621,406 570 usft
	+E-W 0 0 usft	Easting	791,772 140 usft
Position Uncertainty	0 0 usft	Wellhead Elevation	usft
		Latitude	32° 42' 20 323 N
		Longitude	103° 31' 8 986 W
		Ground Level:	3,968 4 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/20/2012	7 52	60 63	48,849

Design	Plan #1			
Audit Notes				
Version:	Phase	PLAN	Tie On Depth 0 0	
Vertical Section	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0 0	0 0	0 0	270 94

Survey Tool Program	Date 1/20/2012			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0 0	15,615 0	Plan #1 (OH)	Pathfinder	Pathfinder MWD



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Well:	#2H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
0 0	0 00	0 00	0 0	-3,993 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
100 0	0 00	0 00	100 0	-3,893 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
200 0	0 00	0 00	200 0	-3,793 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
300 0	0 00	0 00	300 0	-3,693 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
400 0	0 00	0 00	400 0	-3,593 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
500 0	0 00	0 00	500 0	-3,493 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
600 0	0 00	0 00	600 0	-3,393 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
700 0	0 00	0 00	700 0	-3,293 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
800 0	0 00	0 00	800 0	-3,193 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
900 0	0 00	0 00	900 0	-3,093 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,000 0	0 00	0 00	1,000 0	-2,993 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,100 0	0 00	0 00	1,100 0	-2,893 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,200 0	0 00	0 00	1,200 0	-2,793 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,300 0	0 00	0 00	1,300 0	-2,693 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,400 0	0 00	0 00	1,400 0	-2,593 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,500 0	0 00	0 00	1,500 0	-2,493 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,600 0	0 00	0 00	1,600 0	-2,393 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,700 0	0 00	0 00	1,700 0	-2,293 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,800 0	0 00	0 00	1,800 0	-2,193 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
1,900 0	0 00	0 00	1,900 0	-2,093 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,000 0	0 00	0 00	2,000 0	-1,993 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,100 0	0 00	0 00	2,100 0	-1,893 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,200 0	0 00	0 00	2,200 0	-1,793 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,300 0	0 00	0 00	2,300 0	-1,693 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,400 0	0 00	0 00	2,400 0	-1,593 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,500 0	0 00	0 00	2,500 0	-1,493 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,600 0	0 00	0 00	2,600 0	-1,393 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		



Pathfinder
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Site:	Tin Cup 35 State Com	MD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Well:	#2H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
2,700 0	0 00	0 00	2,700 0	-1,293 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,800 0	0 00	0 00	2,800 0	-1,193 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
2,900 0	0 00	0 00	2,900 0	-1,093 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,000 0	0 00	0 00	3,000 0	-993 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,100 0	0 00	0 00	3,100 0	-893 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,200 0	0 00	0 00	3,200 0	-793 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,300 0	0 00	0 00	3,300 0	-693 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,400 0	0 00	0 00	3,400 0	-593 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,500 0	0 00	0 00	3,500 0	-493 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,600 0	0 00	0 00	3,600 0	-393 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,700 0	0 00	0 00	3,700 0	-293 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,800 0	0 00	0 00	3,800 0	-193 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
3,900 0	0 00	0 00	3,900 0	-93 4	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,000 0	0 00	0 00	4,000 0	8 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,100 0	0 00	0 00	4,100 0	106 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,200 0	0 00	0 00	4,200 0	206 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,300 0	0 00	0 00	4,300 0	306 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,400 0	0 00	0 00	4,400 0	406 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,500 0	0 00	0 00	4,500 0	506 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,600 0	0 00	0 00	4,600 0	606 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,700 0	0 00	0 00	4,700 0	706 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,800 0	0 00	0 00	4,800 0	806 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
4,900 0	0 00	0 00	4,900 0	906 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
5,000 0	0 00	0 00	5,000 0	1,006 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
5,100 0	0 00	0 00	5,100 0	1,106 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
5,200 0	0 00	0 00	5,200 0	1,206 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
5,300 0	0 00	0 00	5,300 0	1,306 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

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MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg ("/100usft)	Northing (usft)	Easting (usft)		
5,400.0	0.00	0.00	5,400.0	1,406.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
5,500.0	0.00	0.00	5,500.0	1,506.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
5,600.0	0.00	0.00	5,600.0	1,606.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
5,700.0	0.00	0.00	5,700.0	1,706.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
5,800.0	0.00	0.00	5,800.0	1,806.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
5,900.0	0.00	0.00	5,900.0	1,906.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,000.0	0.00	0.00	6,000.0	2,006.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,100.0	0.00	0.00	6,100.0	2,106.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,200.0	0.00	0.00	6,200.0	2,206.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,300.0	0.00	0.00	6,300.0	2,306.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,400.0	0.00	0.00	6,400.0	2,406.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,500.0	0.00	0.00	6,500.0	2,506.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,600.0	0.00	0.00	6,600.0	2,606.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,700.0	0.00	0.00	6,700.0	2,706.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,800.0	0.00	0.00	6,800.0	2,806.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
6,900.0	0.00	0.00	6,900.0	2,906.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,000.0	0.00	0.00	7,000.0	3,006.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,100.0	0.00	0.00	7,100.0	3,106.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,200.0	0.00	0.00	7,200.0	3,206.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,300.0	0.00	0.00	7,300.0	3,306.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,400.0	0.00	0.00	7,400.0	3,406.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,500.0	0.00	0.00	7,500.0	3,506.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,600.0	0.00	0.00	7,600.0	3,606.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,700.0	0.00	0.00	7,700.0	3,706.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,800.0	0.00	0.00	7,800.0	3,806.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
7,900.0	0.00	0.00	7,900.0	3,906.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		
8,000.0	0.00	0.00	8,000.0	4,006.6	0.0	0.0	0.0	0.00	621,406.57	791,772.14		



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Site:	Tin Cup 35 State Com	MD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
8,100 0	0 00	0 00	8,100 0	4,106 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,200 0	0 00	0 00	8,200 0	4,206 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,300 0	0 00	0 00	8,300 0	4,306 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,400 0	0 00	0 00	8,400 0	4,406 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,500 0	0 00	0 00	8,500 0	4,506 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,600 0	0 00	0 00	8,600 0	4,606 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,700 0	0 00	0 00	8,700 0	4,706 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,800 0	0 00	0 00	8,800 0	4,806 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
8,900 0	0 00	0 00	8,900 0	4,906 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
9,000 0	0 00	0 00	9,000 0	5,006 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
9,100 0	0 00	0 00	9,100 0	5,106 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
9,200 0	0 00	0 00	9,200 0	5,206 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
9,300 0	0 00	0 00	9,300 0	5,306 6	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
9,340 1	0 00	0 00	9,340 1	5,346 7	0 0	0 0	0 0	0 00	621,406 57	791,772 14		
9,350 0	0 99	270 94	9,350 0	5,356 6	0 0	-0 1	0 1	10 00	621,406 57	791,772 05		
9,400 0	5 99	270 94	9,399 9	5,406 5	0 1	-3 1	3 1	10 00	621,406 62	791,769 01		
9,450 0	10 99	270 94	9,449 3	5,455 9	0 2	-10 5	10 5	10 00	621,406 74	791,761 63		
9,500 0	15 99	270 94	9,497 9	5,504 5	0 4	-22 2	22 2	10 00	621,406 94	791,749 98		
9,550 0	20 99	270 94	9,545 3	5,551 9	0 6	-38 0	38 0	10 00	621,407 20	791,734 13		
9,600 0	25 99	270 94	9,591 2	5,597 8	1 0	-57 9	57 9	10 00	621,407 53	791,714 20		
9,650 0	30 99	270 94	9,635 1	5,641 7	1 3	-81 8	81 8	10 00	621,407 92	791,690 37		
9,700 0	35 99	270 94	9,676 8	5,683 4	1 8	-109 4	109 4	10 00	621,408 37	791,662 79		
9,750 0	40 99	270 94	9,715 9	5,722 5	2 3	-140 5	140 5	10 00	621,408 89	791,631 68		
9,800 0	45 99	270 94	9,752 2	5,758 8	2 9	-174 9	174 9	10 00	621,409 45	791,597 29		
9,850 0	50 99	270 94	9,785 3	5,791 9	3 5	-212 3	212 3	10 00	621,410 07	791,559 86		
9,900 0	55 99	270 94	9,815 0	5,821 6	4 2	-252 4	252 5	10 00	621,410 73	791,519 69		
9,950 0	60 99	270 94	9,841 2	5,847 8	4 9	-295 1	295 1	10 00	621,411 43	791,477 09		



Pathfinder
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Project:	Lea County (NAD83)	TVD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Site:	Tin Cup 35 State Com	MD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Well:	#2H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
10,000 0	65 99	270 94	9,863 5	5,870 1	5 6	-339 8	339 8	10 00	621,412 17	791,432 36		
10,050 0	70 99	270 94	9,881 8	5,888 4	6 4	-386 3	386 3	10 00	621,412 94	791,385 87		
10,100 0	75 99	270 94	9,896 0	5,902 6	7 2	-434 2	434 2	10 00	621,413 73	791,337 95		
10,150 0	80 99	270 94	9,906 0	5,912 6	8 0	-483 2	483 2	10 00	621,414 54	791,288 98		
10,200 0	85 99	270 94	9,911 7	5,918 3	8 8	-532 8	532 9	10 00	621,415 35	791,239 32		
10,244 9	90 48	270 94	9,913 0	5,919 6	9 5	-577 7	577 8	10 00	621,416 09	791,194 46		
10,300 0	90 48	270 94	9,912 6	5,919 2	10 4	-632 8	632 9	0 00	621,417 00	791,139 37		
10,400 0	90 48	270 94	9,911 7	5,918 3	12 1	-732 8	732 9	0 00	621,418 65	791,039 39		
10,500 0	90 48	270 94	9,910 9	5,917 5	13 7	-832 7	832 8	0 00	621,420 30	790,939 40		
10,600 0	90 48	270 94	9,910 1	5,916 7	15 4	-932 7	932 8	0 00	621,421 95	790,839 42		
10,700 0	90 48	270 94	9,909 2	5,915 8	17 0	-1,032 7	1,032 8	0 00	621,423 60	790,739 44		
10,800 0	90 48	270 94	9,908 4	5,915 0	18 7	-1,132 7	1,132 8	0 00	621,425 25	790,639 46		
10,900 0	90 48	270 94	9,907 5	5,914 1	20 3	-1,232 7	1,232 8	0 00	621,426 89	790,539 47		
11,000 0	90 48	270 94	9,906 7	5,913 3	22 0	-1,332 7	1,332 8	0 00	621,428 54	790,439 49		
11,100 0	90 48	270 94	9,905 9	5,912 5	23 6	-1,432 6	1,432 8	0 00	621,430 19	790,339 51		
11,200 0	90 48	270 94	9,905 0	5,911 6	25 3	-1,532 6	1,532 8	0 00	621,431 84	790,239 52		
11,300 0	90 48	270 94	9,904 2	5,910 8	26 9	-1,632 6	1,632 8	0 00	621,433 49	790,139 54		
11,400 0	90 48	270 94	9,903 4	5,910 0	28 6	-1,732 6	1,732 8	0 00	621,435 14	790,039 56		
11,500 0	90 48	270 94	9,902 5	5,909 1	30 2	-1,832 6	1,832 8	0 00	621,436 78	789,939 58		
11,600 0	90 48	270 94	9,901 7	5,908 3	31 9	-1,932 5	1,932 8	0 00	621,438 43	789,839 59		
11,700 0	90 48	270 94	9,900 8	5,907 4	33 5	-2,032 5	2,032 8	0 00	621,440 08	789,739 61		
11,800 0	90 48	270 94	9,900 0	5,906 6	35 2	-2,132 5	2,132 8	0 00	621,441 73	789,639 63		
11,900 0	90 48	270 94	9,899 2	5,905 8	36 8	-2,232 5	2,232 8	0 00	621,443 38	789,539 64		
12,000 0	90 48	270 94	9,898 3	5,904 9	38 5	-2,332 5	2,332 8	0 00	621,445 03	789,439 66		
12,100 0	90 48	270 94	9,897 5	5,904 1	40 1	-2,432 5	2,432 8	0 00	621,446 68	789,339 68		
12,200 0	90 48	270 94	9,896 6	5,903 2	41 8	-2,532 4	2,532 8	0 00	621,448 32	789,239 70		
12,300 0	90 48	270 94	9,895 8	5,902 4	43 4	-2,632 4	2,632 8	0 00	621,449 97	789,139 71		



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Tin Cup 35 State Com
Project:	Lea County (NAD83)	TVD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Site:	Tin Cup 35 State Com	MD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Well:	#2H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V Sec (usft)	DLeg (°/100usft)	Northings (usft)	Easting (usft)		
12,400 0	90 48	270 94	9,895 0	5,901 6	45 1	-2,732 4	2,732 8	0 00	621,451 62	789,039 73		
12,500 0	90 48	270 94	9,894 1	5,900 7	46 7	-2,832 4	2,832 8	0 00	621,453 27	788,939 75		
12,600 0	90 48	270 94	9,893 3	5,899 9	48 3	-2,932 4	2,932 8	0 00	621,454 92	788,839 76		
12,700 0	90 48	270 94	9,892 4	5,899 0	50 0	-3,032 4	3,032 8	0 00	621,456 57	788,739 78		
12,800 0	90 48	270 94	9,891 6	5,898 2	51 6	-3,132 3	3,132 8	0 00	621,458 21	788,639 80		
12,900 0	90 48	270 94	9,890 8	5,897 4	53 3	-3,232 3	3,232 8	0 00	621,459 86	788,539 81		
13,000 0	90 48	270 94	9,889 9	5,896 5	54 9	-3,332 3	3,332 8	0 00	621,461 51	788,439 83		
13,100 0	90 48	270 94	9,889 1	5,895 7	56 6	-3,432 3	3,432 8	0 00	621,463 16	788,339 85		
13,200 0	90 48	270 94	9,888 3	5,894 9	58 2	-3,532 3	3,532 8	0 00	621,464 81	788,239 87		
13,300 0	90 48	270 94	9,887 4	5,894 0	59 9	-3,632 3	3,632 8	0 00	621,466 46	788,139 88		
13,400 0	90 48	270 94	9,886 6	5,893 2	61 5	-3,732 2	3,732 7	0 00	621,468 11	788,039 90		
13,500 0	90 48	270 94	9,885 7	5,892 3	63 2	-3,832 2	3,832 7	0 00	621,469 75	787,939 92		
13,600 0	90 48	270 94	9,884 9	5,891 5	64 8	-3,932 2	3,932 7	0 00	621,471 40	787,839 93		
13,700 0	90 48	270 94	9,884 1	5,890 7	66 5	-4,032 2	4,032 7	0 00	621,473 05	787,739 95		
13,800 0	90 48	270 94	9,883 2	5,889 8	68 1	-4,132 2	4,132 7	0 00	621,474 70	787,639 97		
13,900 0	90 48	270 94	9,882 4	5,889 0	69 8	-4,232 2	4,232 7	0 00	621,476 35	787,539 99		
14,000 0	90 48	270 94	9,881 5	5,888 1	71 4	-4,332 1	4,332 7	0 00	621,478 00	787,440 00		
14,100 0	90 48	270 94	9,880 7	5,887 3	73 1	-4,432 1	4,432 7	0 00	621,479 64	787,340 02		
14,200 0	90 48	270 94	9,879 9	5,886 5	74 7	-4,532 1	4,532 7	0 00	621,481 29	787,240 04		
14,300 0	90 48	270 94	9,879 0	5,885 6	76 4	-4,632 1	4,632 7	0 00	621,482 94	787,140 05		
14,400 0	90 48	270 94	9,878 2	5,884 8	78 0	-4,732 1	4,732 7	0 00	621,484 59	787,040 07		
14,500 0	90 48	270 94	9,877 4	5,884 0	79 7	-4,832 1	4,832 7	0 00	621,486 24	786,940 09		
14,600 0	90 48	270 94	9,876 5	5,883 1	81 3	-4,932 0	4,932 7	0 00	621,487 89	786,840 11		
14,700 0	90 48	270 94	9,875 7	5,882 3	83 0	-5,032 0	5,032 7	0 00	621,489 54	786,740 12		
14,800 0	90 48	270 94	9,874 8	5,881 4	84 6	-5,132 0	5,132 7	0 00	621,491 18	786,640 14		
14,900 0	90 48	270 94	9,874 0	5,880 6	86 3	-5,232 0	5,232 7	0 00	621,492 83	786,540 16		
15,000 0	90 48	270 94	9,873 2	5,879 8	87 9	-5,332 0	5,332 7	0 00	621,494 48	786,440 17		



Pathfinder
PathfinderX & Y Report



Company:	Devon Energy, Inc	Local Co-ordinate Reference:	Site Tin Cup 35 State Com
Project:	Lea County (NAD83)	TVD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Site:	Tin Cup 35 State Com	MD Reference:	KB = 25 @ 3993 4usft (H&P 223)
Well:	#2H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Planned Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
15,100 0	90 48	270 94	9,872 3	5,878 9	89 6	-5,431 9	5,432 7	0 00	621,496 13	786,340 19		
15,200 0	90 48	270 94	9,871 5	5,878 1	91 2	-5,531 9	5,532 7	0 00	621,497 78	786,240 21		
15,300 0	90 48	270 94	9,870 6	5,877 2	92 9	-5,631 9	5,632 7	0 00	621,499 43	786,140 23		
15,400 0	90 48	270 94	9,869 8	5,876 4	94 5	-5,731 9	5,732 7	0 00	621,501 07	786,040 24		
15,500 0	90 48	270 94	9,869 0	5,875 6	96 2	-5,831 9	5,832 7	0 00	621,502 72	785,940 26		
15,600 0	90 48	270 94	9,868 1	5,874 7	97 8	-5,931 9	5,932 7	0 00	621,504 37	785,840 28		
15,615 1	90 48	270 94	9,868 0	5,874 6	98 1	-5,946 9	5,947 7	0 00	621,504 62	785,825 21		

Checked By	Approved By	Date
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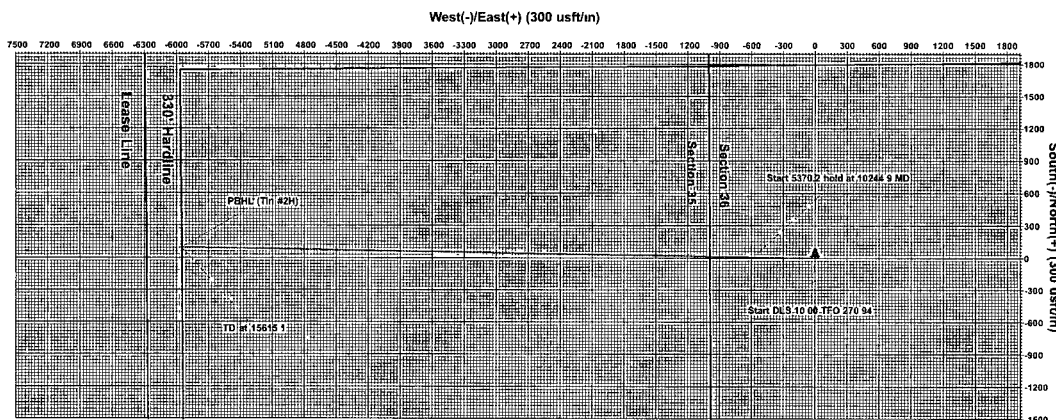


Project: Lea County (NAD83)
Site: Tin Cup 35 State Com
Well: #2H
Wellbore: OH
Plan: Plan #1 (#2H/OH)



A Schlumberger Company

PROJECT DETAILS: Lea County (NAD83)
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



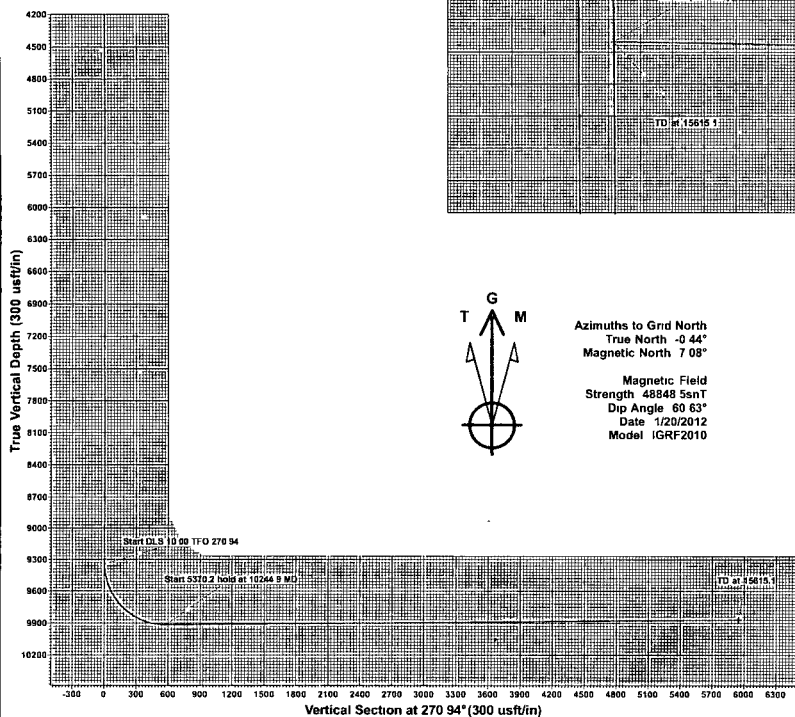
Azimuths to Grid North
True North -0.44°
Magnetic North 7.08°

Magnetic Field
Strength 48848.5nT
Dip Angle 60.63°
Date 1/20/2012
Model IGRF2010

WELL DETAILS #2H						
Ground Elevation 3968.4						
RRB Elevation KB + 25 @ 3993.4usft (H&P 223)						
Rig Name H&P 223						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	621405.570	791772.140	32°42'20.323 N	103°31'8.986 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (Tin #2H)	9868.0	98.1	5946.9	621504.620	785825.210	Point

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VFace	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
9340.1	0.00	0.00	9340.1	0.0	0.0	0.00	0.00	0.0	
10244.9	90.48	270.94	9513.0	9.5	577.7	10.00	270.94	577.8	
15615.1	90.48	270.94	9868.0	98.1	5946.9	0.00	0.00	5947.7	PBHL (Tin #2H)



Plan Plan #1 (#2H/OH)	
Created By: Sam Baffle	Date: 10/06 January 20 2012
Checked: _____	Date: _____

