

30-015-39819

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Devon Energy Production Company, L.P.

Eddy County
Shaqtus 26 Sate Com
#1H
OH

Plan: Plan #1

Pathfinder X & Y Report

04 January, 2012



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Company:	Devon Energy Production Company, L P	Local Co-ordinate Reference	Well #1H
Project:	Eddy County	TVD Reference:	KB = 25 @ 3532 5usft (H&P 223)
Site:	Shaqtus 26 Sate Com	MD Reference:	KB = 25 @ 3532 5usft (H&P 223)
Well:	#1H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000 1 Single User Db

Project	Eddy County		
Map System	US State Plane 1983	System Datum	Mean Sea Level
Geo Datum	North American Datum 1983		
Map Zone	New Mexico Eastern Zone		

Site	Shaqtus 26 Sate Com		
Site Position		Northing	524,231 020 usft
From	Map	Easting	720,229 400 usft
Position Uncertainty	0 0 usft	Slot Radius:	13-3/16 "
		Latitude	32° 26' 23 430 N
		Longitude	103° 45' 12 454 W
		Grid Convergence:	0 31 °

Well	#1H		
Well Position	+N/-S	0 0 usft	Northing 524,231 020 usft
	+E/-W	0 0 usft	Easting 720,229 400 usft
Position Uncertainty	0 0 usft	Wellhead Elevation	usft
		Latitude	32° 26' 23 430 N
		Longitude	103° 45' 12 454 W
		Ground Level:	3,507 5 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	1/4/2012	(°) 7 61
			Dip Angle 60 37
			Field Strength 48,709
			(nT)

Design	Plan #1		
Audit Notes			
Version	Phase:	PLAN	Tie On Depth: 0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0 0	0 0	0 0
			Direction 355 01
			(°)

Survey Tool Program	Date 1/4/2012		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
0 0	13,598 7	Plan #1 (OH)	MWD
			Description
			MWD - Standard



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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	-3,532 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
100 0	0 00	0 00	100 0	-3,432 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
200 0	0 00	0 00	200 0	-3,332 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
300 0	0 00	0 00	300 0	-3,232 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
400 0	0 00	0 00	400 0	-3,132 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
500 0	0 00	0 00	500 0	-3,032 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
600 0	0 00	0 00	600 0	-2,932 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
700 0	0 00	0 00	700 0	-2,832 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
800 0	0 00	0 00	800 0	-2,732 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
900 0	0 00	0 00	900 0	-2,632 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,000 0	0 00	0 00	1,000 0	-2,532 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,100 0	0 00	0 00	1,100 0	-2,432 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,200 0	0 00	0 00	1,200 0	-2,332 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,300 0	0 00	0 00	1,300 0	-2,232 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,400 0	0 00	0 00	1,400 0	-2,132 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,500 0	0 00	0 00	1,500 0	-2,032 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,600 0	0 00	0 00	1,600 0	-1,932 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,700 0	0 00	0 00	1,700 0	-1,832 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,800 0	0 00	0 00	1,800 0	-1,732 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
1,900 0	0 00	0 00	1,900 0	-1,632 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,000 0	0 00	0 00	2,000 0	-1,532 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,100 0	0 00	0 00	2,100 0	-1,432 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,200 0	0 00	0 00	2,200 0	-1,332 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,300 0	0 00	0 00	2,300 0	-1,232 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,400 0	0 00	0 00	2,400 0	-1,132 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,500 0	0 00	0 00	2,500 0	-1,032 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,600 0	0 00	0 00	2,600 0	-932 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	



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Pathfinder X & Y Report



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Company:	Devon Energy Production Company, L P	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	KB = 25 @ 3532 5usft (H&P 223)
Site:	Shaktus 26 Sate Com	MD Reference:	KB = 25 @ 3532 5usft (H&P 223)
Well:	#1H	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	-832 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,800 0	0 00	0 00	2,800 0	-732 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
2,900 0	0 00	0 00	2,900 0	-632 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,000 0	0 00	0 00	3,000 0	-532 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,100 0	0 00	0 00	3,100 0	-432 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,200 0	0 00	0 00	3,200 0	-332 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,300 0	0 00	0 00	3,300 0	-232 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,400 0	0 00	0 00	3,400 0	-132 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,500 0	0 00	0 00	3,500 0	-32 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,600 0	0 00	0 00	3,600 0	67 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,700 0	0 00	0 00	3,700 0	167 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,800 0	0 00	0 00	3,800 0	267 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
3,900 0	0 00	0 00	3,900 0	367 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,000 0	0 00	0 00	4,000 0	467 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,100 0	0 00	0 00	4,100 0	567 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,200 0	0 00	0 00	4,200 0	667 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,300 0	0 00	0 00	4,300 0	767 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,400 0	0 00	0 00	4,400 0	867 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,500 0	0 00	0 00	4,500 0	967 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,600 0	0 00	0 00	4,600 0	1,067 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,700 0	0 00	0 00	4,700 0	1,167 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,800 0	0 00	0 00	4,800 0	1,267 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
4,900 0	0 00	0 00	4,900 0	1,367 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,000 0	0 00	0 00	5,000 0	1,467 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,100 0	0 00	0 00	5,100 0	1,567 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,200 0	0 00	0 00	5,200 0	1,667 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,300 0	0 00	0 00	5,300 0	1,767 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	



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Wellbore	OH	Survey Calculation Method	Minimum Curvature
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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	1,867 5	0 0	0 0	0 0	0 0	524,231 02	720,229 40	
5,500 0	0 00	0 00	5,500 0	1,967 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,600 0	0 00	0 00	5,600 0	2,067 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,700 0	0 00	0 00	5,700 0	2,167 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,800 0	0 00	0 00	5,800 0	2,267 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
5,900 0	0 00	0 00	5,900 0	2,367 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,000 0	0 00	0 00	6,000 0	2,467 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,100 0	0 00	0 00	6,100 0	2,567 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,200 0	0 00	0 00	6,200 0	2,667 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,300 0	0 00	0 00	6,300 0	2,767 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,400 0	0 00	0 00	6,400 0	2,867 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,500 0	0 00	0 00	6,500 0	2,967 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,600 0	0 00	0 00	6,600 0	3,067 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,700 0	0 00	0 00	6,700 0	3,167 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,800 0	0 00	0 00	6,800 0	3,267 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
6,900 0	0 00	0 00	6,900 0	3,367 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
7,000 0	0 00	0 00	7,000 0	3,467 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
7,100 0	0 00	0 00	7,100 0	3,567 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
7,200 0	0 00	0 00	7,200 0	3,667 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
7,300 0	0 00	0 00	7,300 0	3,767 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
7,400 0	0 00	0 00	7,400 0	3,867 5	0 0	0 0	0 0	0 00	524,231 02	720,229 40	
7,450 0	5 00	355 01	7,449 9	3,917 4	2 2	-0 2	2 2	10 00	524,233 19	720,229 21	
7,500 0	10 00	355 01	7,499 5	3,967 0	8 7	-0 8	8 7	10 00	524,239 69	720,228 64	
7,550 0	15 00	355 01	7,548 3	4,015 8	19 4	-1 7	19 5	10 00	524,250 47	720,227 70	
7,600 0	20 00	355 01	7,596 0	4,063 5	34 4	-3 0	34 6	10 00	524,265 44	720,226 39	
7,650 0	25 00	355 01	7,642 1	4,109 6	53 5	-4 7	53 7	10 00	524,284 50	720,224 73	
7,700 0	30 00	355 01	7,686 5	4,154 0	76 5	-6 7	76 8	10 00	524,307 49	720,222 72	



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Project	Eddy County	TVD Reference	KB = 25 @ 3532 5usft (H&P 223)
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Well:	#1H	North Reference	Gnd
Wellbore:	OH	Survey Calculation Method	Minimum Curvature
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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)	
7,750 0	35 00	355 01	7,728 6	4,196 1	103 2	-9 0	103 6	10 00	524,334 25	720,220 39	
7,800 0	40 00	355 01	7,768 3	4,235 8	133 5	-11 7	134 0	10 00	524,364 56	720,217 74	
7,850 0	45 00	355 01	7,805 1	4,272 6	167 2	-14 6	167 8	10 00	524,398 20	720,214 81	
7,900 0	50 00	355 01	7,838 9	4,306 4	203 9	-17 8	204 7	10 00	524,434 91	720,211 60	
7,950 0	55 00	355 01	7,869 3	4,336 8	243 4	-21 2	244 3	10 00	524,474 42	720,208 15	
8,000 0	60 00	355 01	7,896 2	4,363 7	285 4	-24 9	286 5	10 00	524,516 41	720,204 49	
8,050 0	65 00	355 01	7,919 3	4,386 8	329 6	-28 8	330 8	10 00	524,560 58	720,200 63	
8,100 0	70 00	355 01	7,938 4	4,405 9	375 6	-32 8	377 0	10 00	524,606 59	720,196 61	
8,150 0	75 00	355 01	7,953 4	4,420 9	423 1	-36 9	424 7	10 00	524,654 08	720,192 47	
8,200 0	80 00	355 01	7,964 3	4,431 8	471 7	-41 2	473 5	10 00	524,702 69	720,188 22	
8,250 0	85 00	355 01	7,970 8	4,438 3	521 0	-45 5	523 0	10 00	524,752 06	720,183 91	
8,302 2	90 22	355 01	7,973 0	4,440 5	572 9	-50 0	575 1	10 00	524,803 96	720,179 38	
8,400 0	90 22	355 01	7,972 6	4,440 1	670 4	-58 5	673 0	0 00	524,901 43	720,170 87	
8,500 0	90 22	355 01	7,972 2	4,439 7	770 0	-67 2	773 0	0 00	525,001 05	720,162 18	
8,600 0	90 22	355 01	7,971 8	4,439 3	869 6	-75 9	873 0	0 00	525,100 67	720,153 48	
8,700 0	90 22	355 01	7,971 5	4,439 0	969 3	-84 6	973 0	0 00	525,200 29	720,144 78	
8,800 0	90 22	355 01	7,971 1	4,438 6	1,068 9	-93 3	1,073 0	0 00	525,299 91	720,136 09	
8,900 0	90 22	355 01	7,970 7	4,438 2	1,168 5	-102 0	1,173 0	0 00	525,399 53	720,127 39	
9,000 0	90 22	355 01	7,970 3	4,437 8	1,268 1	-110 7	1,273 0	0 00	525,499 15	720,118 69	
9,100 0	90 22	355 01	7,969 9	4,437 4	1,367 8	-119 4	1,373 0	0 00	525,598 77	720,110 00	
9,200 0	90 22	355 01	7,969 6	4,437 1	1,467 4	-128 1	1,473 0	0 00	525,698 39	720,101 30	
9,300 0	90 22	355 01	7,969 2	4,436 7	1,567 0	-136 8	1,573 0	0 00	525,798 01	720,092 60	
9,400 0	90 22	355 01	7,968 8	4,436 3	1,666 6	-145 5	1,672 9	0 00	525,897 63	720,083 91	
9,500 0	90 22	355 01	7,968 4	4,435 9	1,766 2	-154 2	1,772 9	0 00	525,997 25	720,075 21	
9,600 0	90 22	355 01	7,968 1	4,435 6	1,865 9	-162 9	1,872 9	0 00	526,096 87	720,066 51	
9,700 0	90 22	355 01	7,967 7	4,435 2	1,965 5	-171 6	1,972 9	0 00	526,196 49	720,057 82	
9,800 0	90 22	355 01	7,967 3	4,434 8	2,065 1	-180 3	2,072 9	0 00	526,296 11	720,049 12	



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Pathfinder
Pathfinder X & Y Report



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Company: Devon Energy Production Company, L.P
Project: Eddy County
Site: Shaqtus 26 Sale Com
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: KB = 25 @ 3532 5usft (H&P 223)
MD Reference: KB = 25 @ 3532 5usft (H&P 223)
North Reference: Grd
Survey Calculation Method: Minimum Curvature
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)
9,900 0	90 22	355 01	7,966 9	4,434 4	2,164 7	-189 0	2,172 9	0 00	526,395 73	720,040 42
10,000 0	90 22	355 01	7,966 6	4,434 1	2,264 3	-197 7	2,272 9	0 00	526,495 35	720,031 73
10,100 0	90 22	355 01	7,966 2	4,433 7	2,364 0	-206 4	2,372 9	0 00	526,594 97	720,023 03
10,200 0	90 22	355 01	7,965 8	4,433 3	2,463 6	-215 1	2,472 9	0 00	526,694 59	720,014 33
10,300 0	90 22	355 01	7,965 4	4,432 9	2,563 2	-223 8	2,572 9	0 00	526,794 22	720,005 64
10,400 0	90 22	355 01	7,965 1	4,432 6	2,662 8	-232 5	2,672 9	0 00	526,893 84	719,996 94
10,500 0	90 22	355 01	7,964 7	4,432 2	2,762 4	-241 2	2,772 9	0 00	526,993 46	719,988 24
10,600 0	90 22	355 01	7,964 3	4,431 8	2,862 1	-249 9	2,872 9	0 00	527,093 08	719,979 55
10,700 0	90 22	355 01	7,963 9	4,431 4	2,961 7	-258 6	2,972 9	0 00	527,192 70	719,970 85
10,800 0	90 22	355 01	7,963 5	4,431 0	3,061 3	-267 2	3,072 9	0 00	527,292 32	719,962 15
10,900 0	90 22	355 01	7,963 2	4,430 7	3,160 9	-275 9	3,172 9	0 00	527,391 94	719,953 46
11,000 0	90 22	355 01	7,962 8	4,430 3	3,260 5	-284 6	3,272 9	0 00	527,491 56	719,944 76
11,100 0	90 22	355 01	7,962 4	4,429 9	3,360 2	-293 3	3,372 9	0 00	527,591 18	719,936 06
11,200 0	90 22	355 01	7,962 0	4,429 5	3,459 8	-302 0	3,472 9	0 00	527,690 80	719,927 37
11,300 0	90 22	355 01	7,961 7	4,429 2	3,559 4	-310 7	3,572 9	0 00	527,790 42	719,918 67
11,400 0	90 22	355 01	7,961 3	4,428 8	3,659 0	-319 4	3,672 9	0 00	527,890 04	719,909 97
11,500 0	90 22	355 01	7,960 9	4,428 4	3,758 6	-328 1	3,772 9	0 00	527,989 66	719,901 28
11,600 0	90 22	355 01	7,960 5	4,428 0	3,858 3	-336 8	3,872 9	0 00	528,089 28	719,892 58
11,700 0	90 22	355 01	7,960 2	4,427 7	3,957 9	-345 5	3,972 9	0 00	528,188 90	719,883 88
11,800 0	90 22	355 01	7,959 8	4,427 3	4,057 5	-354 2	4,072 9	0 00	528,288 52	719,875 19
11,900 0	90 22	355 01	7,959 4	4,426 9	4,157 1	-362 9	4,172 9	0 00	528,388 14	719,866 49
12,000 0	90 22	355 01	7,959 0	4,426 5	4,256 7	-371 6	4,272 9	0 00	528,487 76	719,857 79
12,100 0	90 22	355 01	7,958 6	4,426 1	4,356 4	-380 3	4,372 9	0 00	528,587 38	719,849 10
12,200 0	90 22	355 01	7,958 3	4,425 8	4,456 0	-389 0	4,472 9	0 00	528,687 00	719,840 40
12,300 0	90 22	355 01	7,957 9	4,425 4	4,555 6	-397 7	4,572 9	0 00	528,786 62	719,831 70
12,400 0	90 22	355 01	7,957 5	4,425 0	4,655 2	-406 4	4,672 9	0 00	528,886 24	719,823 01
12,500 0	90 22	355 01	7,957 1	4,424 6	4,754 8	-415 1	4,772 9	0 00	528,985 86	719,814 31

Company:	Devon Energy Production Company, L P	Local Co-ordinate Reference	Well #1H
Project:	Eddy County	TVD Reference:	KB = 25 @ 3532 5usft (H&P 223)
Site:	Shaktus 26 Sate Com	MD Reference:	KB = 25 @ 3532 5usft (H&P 223)
Well:	#1H	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)	
12,600 0	90 22	355 01	7,956 8	4,424 3	4,854 5	-423 8	4,872 9	0 00	529,085 48	719,805 61	
12,700 0	90 22	355 01	7,956 4	4,423 9	4,954 1	-432 5	4,972 9	0 00	529,185 10	719,796 92	
12,800 0	90 22	355 01	7,956 0	4,423 5	5,053 7	-441 2	5,072 9	0 00	529,284 73	719,788 22	
12,900 0	90 22	355 01	7,955 6	4,423 1	5,153 3	-449 9	5,172 9	0 00	529,384 35	719,779 52	
13,000 0	90 22	355 01	7,955 3	4,422 8	5,252 9	-458 6	5,272 9	0 00	529,483 97	719,770 83	
13,100 0	90 22	355 01	7,954 9	4,422 4	5,352 6	-467 3	5,372 9	0 00	529,583 59	719,762 13	
13,200 0	90 22	355 01	7,954 5	4,422 0	5,452 2	-476 0	5,472 9	0 00	529,683 21	719,753 43	
13,300 0	90 22	355 01	7,954 1	4,421 6	5,551 8	-484 7	5,572 9	0 00	529,782 83	719,744 74	
13,400 0	90 22	355 01	7,953 7	4,421 2	5,651 4	-493 4	5,672 9	0 00	529,882 45	719,736 04	
13,500 0	90 22	355 01	7,953 4	4,420 9	5,751 0	-502 1	5,772 9	0 00	529,982 07	719,727 34	
13,598 7	90 22	355 01	7,953 0	4,420 5	5,849 4	-510 6	5,871 6	0 00	530,080 37	719,718 76	

Checked By _____ Approved By _____ Date _____

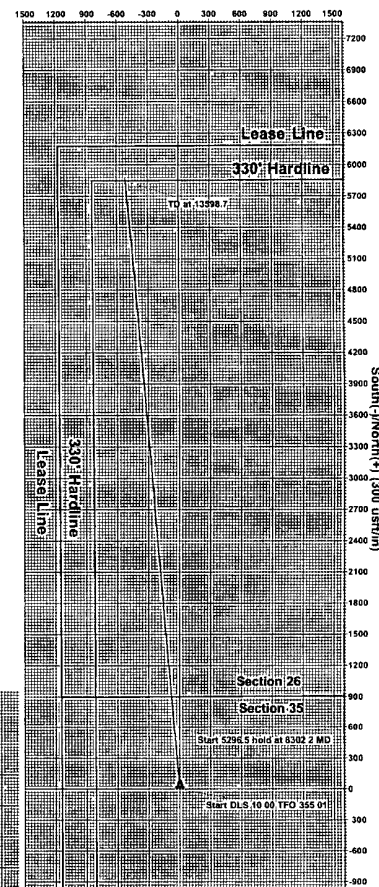


Project: Eddy County
Site: Shaqtus 26 Sate Com
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)



A Schlumberger Company

West(-)/East(+) (300 usft/in)



Azimuths to Grid North
True North -0.31°
Magnetic North 7.30°

Magnetic Field
Strength: 48708.7 nT
Dip Angle: 60.37°
Date: 1/4/2012
Model: IGRF200510

PROJECT DETAILS Eddy County
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 #1H

Ground Elevation: 3507.5
RKB Elevation: 453 + 25 @ 3532.5 usft (H&P 223)
Rig Name: H&P 223

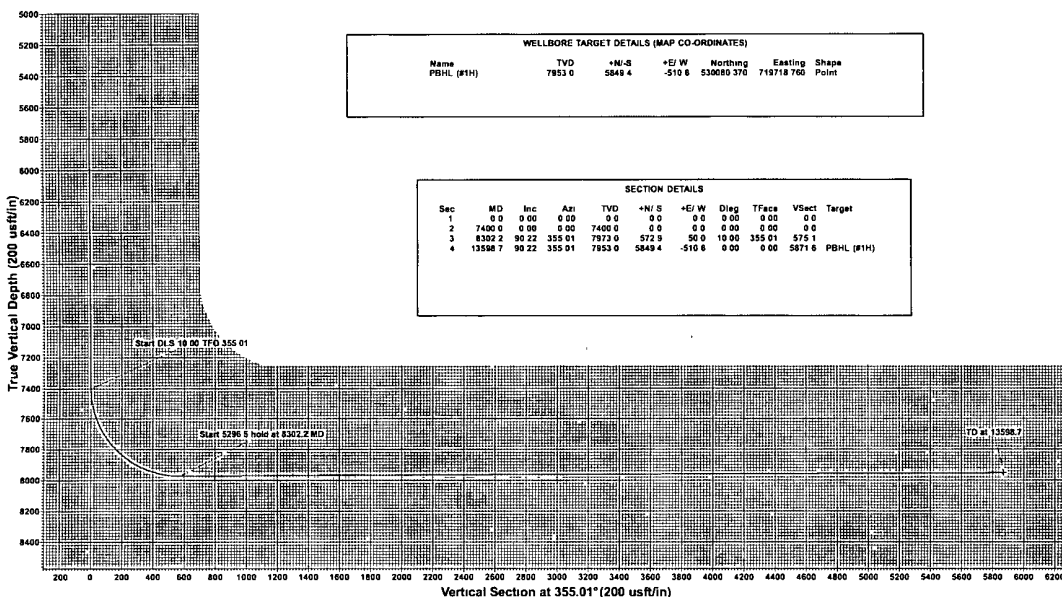
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	524231.020	720228.400	32° 26' 23.430 N	103° 45' 12.454 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (#1H)	7853.0	5849.4	-510.6	530680.370	719718.760	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	7400.0	0.00	0.00	7400.0	0.0	0.0	0.00	0.00	0.0	
3	8302.2	90.22	355.01	7973.0	572.9	50.0	10.00	355.01	575.1	
4	13598.7	90.22	355.01	7953.0	5849.4	-510.6	0.00	0.00	5871.6	PBHL (#1H)



Plan: Plan #1 (#1H/OH)
Created By: Sam Giffa Date: 11/19/04 2012