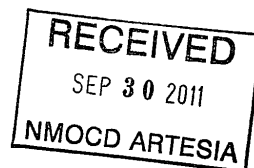


30-015-37931

Yates Petroleum Corp.

Eddy County
Chevron "BOT"
#6H
OH

Design: OH



Pathfinder X & Y Survey Report

18 April, 2011

PATHFINDER
A Schlumberger Company



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp.	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Well:	#6H	North Reference:	Gnd.
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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:	Chevron "BOT"					
Site Position:		Northing:	453,328.928	usft	Latitude:	32° 14' 45.066 N
From:	Map	Easting:	642,676.146	usft	Longitude:	104° 0' 19.962 W
Position Uncertainty:	0.00	Slot Radius:	13-3/16	"	Grid Convergence:	0.17 °

Well	#6H					
Well Position	+N/-S	0.00 usft	Northing:	453,524.638 usft	Latitude:	32° 14' 47.033 N
	+E/-W	0.00 usft	Easting:	641,681.572 usft	Longitude:	104° 0' 31.536 W
Position Uncertainty		3.00 usft	Wellhead Elevation:	usft	Ground Level:	2,952.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	03/21/11	7.82	60.14	48,608

Design:	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0 00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359 21



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp.	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	04/18/11	200.00	500.00	GYRO (OH)	CB-GYRO-MS	Camera based gyro multishot
		653.00	7,845.00	MWD (OH)	MWD	MWD - Standard
		200.00	13,428.00	MWD #2 (OH)	MWD	MWD - Standard

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	2,978.50	0.00	0.00	0.00	0.00	453,524.64	641,681.57
200.00	0.63	141.48	200.00	2,778.50	-0.86	0.68	-0.87	0.31	453,523.78	641,682.26
400.00	0.87	93.89	399.98	2,578.52	-1.82	2.88	-1.86	0.32	453,522.81	641,684.46
500.00	1.74	108.75	499.95	2,478.55	-2.36	5.08	-2.43	0.93	453,522.27	641,686.65
653.00	2.20	113.52	652.86	2,325.64	-4.28	9.97	-4.42	0.32	453,520.36	641,691.54
747.00	0.97	78.50	746.83	2,231.67	-4.84	12.41	-5.01	1.61	453,519.79	641,693.98
841.00	0.97	101.61	840.81	2,137.69	-4.84	13.97	-5.04	0.41	453,519.79	641,695.54
1,028.00	0.88	352.91	1,027.80	1,950.70	-3.74	15.34	-3.95	0.80	453,520.90	641,696.91
1,216.00	1.23	15.85	1,215.77	1,762.73	-0.36	15.71	-0.58	0.29	453,524.27	641,697.28
1,310.00	1.14	20.73	1,309.75	1,668.75	1.48	16.32	1.26	0.14	453,526.12	641,697.89
1,404.00	1.14	20.97	1,403.73	1,574.77	3.23	16.98	2.99	0.01	453,527.87	641,698.56
1,498.00	0.79	36.40	1,497.72	1,480.78	4.62	17.70	4.38	0.46	453,529.26	641,699.27
1,592.00	0.88	47.52	1,591.71	1,386.79	5.63	18.62	5.38	0.20	453,530.27	641,700.19
1,696.00	0.70	46.18	1,695.70	1,282.80	6.61	19.67	6.34	0.17	453,531.25	641,701.24
1,781.00	0.88	46.06	1,780.69	1,197.81	7.42	20.51	7.14	0.21	453,532.06	641,702.08
1,875.00	0.26	188.79	1,874.69	1,103.81	7.71	21.00	7.42	1.17	453,532.35	641,702.57
1,969.00	0.26	152.86	1,968.69	1,009.81	7.31	21.06	7.02	0.17	453,531.95	641,702.64
2,064.00	1.32	116.39	2,063.67	914.83	6.64	22.14	6.33	1.18	453,531.27	641,703.71
2,158.00	1.93	137.15	2,157.64	820.86	4.99	24.19	4.66	0.89	453,529.63	641,705.76
2,253.00	1.58	148.06	2,252.59	725.91	2.71	25.97	2.35	0.51	453,527.35	641,707.54



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp.	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978 50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978 50usft (26.5' KB)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (%/100usft)	Northing (usft)	Easting (usft)	
2,345.00	1.32	121.23	2,344.56	633.94	1.08	27.55	0.70	0.78	453,525.72	641,709.12	
2,440.00	1.49	131.76	2,439.54	538.96	-0.31	29.40	-0.71	0.32	453,524.33	641,710.98	
2,535.00	2.20	170.31	2,534.49	444.01	-2.93	30.63	-3.35	1.46	453,521.71	641,712.20	
2,628.00	1.67	181.77	2,627.44	351.06	-6.04	30.89	-6.47	0.70	453,518.60	641,712.46	
2,723.00	1.14	195.81	2,722.41	256.09	-8.33	30.59	-8.75	0.66	453,516.30	641,712.16	
2,772.00	0.79	192.92	2,771.40	207.10	-9.13	30.38	-9.55	0.72	453,515.51	641,711.95	
2,916.00	1.06	180.30	2,915.38	63.12	-11.43	30.15	-11.85	0.23	453,513.21	641,711.72	
3,010.00	1.32	169.80	3,009.36	-30.86	-13.37	30.34	-13.78	0.36	453,511.27	641,711.91	
3,104.00	1.85	175.73	3,103.33	-124.83	-15.95	30.64	-16.37	0.59	453,508.69	641,712.22	
3,198.00	3.52	281.07	3,197.26	-218.76	-16.90	27.92	-17.29	4.67	453,507.73	641,709.50	
3,292.00	2.46	288.54	3,291.13	-312.63	-15.71	23.18	-16.03	1.20	453,508.93	641,704.75	
3,387.00	1.23	274.22	3,386.08	-407.58	-14.99	20.23	-15.26	1.37	453,509.65	641,701.80	
3,481.00	1.23	275.19	3,480.06	-501.56	-14.82	18.22	-15.07	0.02	453,509.82	641,699.79	
3,575.00	1.23	273.46	3,574.04	-595.54	-14.67	16.21	-14.89	0.04	453,509.97	641,697.78	
3,668.00	1.14	269.89	3,667.02	-688.52	-14.61	14.29	-14.81	0.13	453,510.03	641,695.86	
3,856.00	0.88	261.76	3,854.99	-876.49	-14.82	10.99	-14.97	0.16	453,509.82	641,692.56	
4,045.00	0.79	259.11	4,043.97	-1,065.47	-15.27	8.27	-15.39	0.05	453,509.36	641,689.84	
4,233.00	0.97	297.97	4,231.95	-1,253.45	-14.77	5.59	-14.85	0.32	453,509.87	641,687.16	
4,421.00	0.53	271.31	4,419.93	-1,441.43	-14.01	3.32	-14.05	0.29	453,510.63	641,684.89	
4,609.00	0.62	272.82	4,607.92	-1,629.42	-13.94	1.43	-13.96	0.05	453,510.70	641,683.00	
4,798.00	0.53	272.63	4,796.91	-1,818.41	-13.85	-0.46	-13.84	0.05	453,510.79	641,681.11	
4,986.00	0.62	272.20	4,984.90	-2,006.40	-13.77	-2.35	-13.73	0.05	453,510.87	641,679.22	
5,174.00	0.62	251.96	5,172.89	-2,194.39	-14.04	-4.33	-13.98	0.12	453,510.59	641,677.24	
5,363.00	0.44	254.41	5,361.88	-2,383.38	-14.55	-6.00	-14.47	0.10	453,510.08	641,675.57	
5,551.00	0.35	241.19	5,549.88	-2,571.38	-15.03	-7.20	-14.92	0.07	453,509.61	641,674.37	
5,739.00	0.35	181.56	5,737.87	-2,759.37	-15.88	-7.72	-15.77	0.19	453,508.76	641,673.85	
5,927.00	0.70	163.30	5,925.87	-2,947.37	-17.55	-7.40	-17.45	0.20	453,507.09	641,674.17	



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp.	Local Co-ordinate Reference:	Well #6H.
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Well:	#6H	North Reference:	Grid
Wellbore:	QH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single/User Db

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
6,116.00	0.53	183.03	6,114.86	-3,136.36	-19.53	-7.12	-19.43	0.14	453,505.11	641,674.45	
6,304.00	0.62	181.95	6,302.85	-3,324.35	-21.41	-7.20	-21.31	0.05	453,503.22	641,674.37	
6,493.00	0.62	168.62	6,491.84	-3,513.34	-23.44	-7.03	-23.34	0.08	453,501.20	641,674.54	
6,588.00	0.53	159.13	6,586.83	-3,608.33	-24.35	-6.77	-24.26	0.14	453,500.29	641,674.80	
6,776.00	0.79	124.84	6,774.82	-3,796.32	-25.91	-5.40	-25.83	0.25	453,498.73	641,676.17	
KOP-6776.00 MD-0.79 INC-124.84 AZI-6774.82 TVD-											
6,965.00	1.23	164.50	6,963.79	-3,985.29	-28.60	-3.79	-28.55	0.42	453,496.03	641,677.78	
7,092.00	5.36	4.14	7,090.64	-4,112.14	-24.00	-3.00	-23.95	5.14	453,500.64	641,678.58	
7,124.00	10.29	359.30	7,122.33	-4,143.83	-19.65	-2.92	-19.60	15.53	453,504.99	641,678.65	
7,155.00	14.95	358.16	7,152.57	-4,174.07	-12.88	-3.09	-12.83	15.05	453,511.76	641,678.49	
7,186.00	19.26	357.36	7,182.19	-4,203.69	-3.77	-3.45	-3.72	13.92	453,520.87	641,678.12	
7,218.00	22.60	357.85	7,212.08	-4,233.58	7.65	-3.92	7.70	10.45	453,532.29	641,677.65	
7,249.00	24.27	359.38	7,240.52	-4,262.02	19.98	-4.22	20.03	5.73	453,544.61	641,677.36	
7,281.00	25.94	359.05	7,269.50	-4,291.00	33.55	-4.40	33.61	5.24	453,558.19	641,677.17	
7,313.00	27.79	358.84	7,298.04	-4,319.54	48.01	-4.67	48.07	5.79	453,572.65	641,676.90	
7,344.00	30.69	358.37	7,325.09	-4,346.59	63.14	-5.04	63.21	9.38	453,587.78	641,676.53	
7,376.00	34.65	358.13	7,352.02	-4,373.52	80.41	-5.57	80.48	12.38	453,605.04	641,676.00	
7,407.00	39.04	357.39	7,376.82	-4,398.32	98.98	-6.30	99.05	14.23	453,623.61	641,675.27	
7,439.00	43.35	357.28	7,400.90	-4,422.40	120.02	-7.28	120.11	13.47	453,644.66	641,674.29	
7,470.00	46.43	357.71	7,422.86	-4,444.36	141.88	-8.24	141.98	9.98	453,666.52	641,673.33	
7,502.00	49.42	358.37	7,444.30	-4,465.80	165.61	-9.05	165.72	9.47	453,690.25	641,672.52	
7,533.00	52.23	358.07	7,463.88	-4,485.38	189.63	-9.79	189.75	9.10	453,714.27	641,671.78	
7,564.00	55.31	358.48	7,482.20	-4,503.70	214.62	-10.55	214.75	9.99	453,739.26	641,671.03	
7,596.00	58.39	358.56	7,499.69	-4,521.19	241.40	-11.24	241.54	9.63	453,766.04	641,670.33	
7,627.00	60.59	358.91	7,515.43	-4,536.93	268.10	-11.83	268.24	7.16	453,792.74	641,669.75	
7,658.00	62.78	358.99	7,530.13	-4,551.63	295.39	-12.33	295.53	7.07	453,820.03	641,669.25	
7,690.00	65.25	359.24	7,544.15	-4,565.65	324.15	-12.77	324.29	7.75	453,848.79	641,668.80	



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Well:	#6H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
7,721.00	67.97	359.93	7,556.46	-4,577.96	352.60	-12.97	352.74	9.01	453,877.23	641,668.60	
7,753.00	71.14	0.46	7,567.64	-4,589.14	382.58	-12.87	382.72	10.03	453,907.21	641,668.70	
7,784.00	74.13	359.97	7,576.89	-4,598.39	412.16	-12.76	412.30	9.76	453,936.80	641,668.81	
7,816.00	77.12	359.86	7,584.83	-4,606.33	443.15	-12.81	443.29	9.35	453,967.79	641,668.77	
7,847.00	79.32	359.85	7,591.16	-4,612.66	473.50	-12.88	473.63	7.10	453,998.14	641,668.69	
7,879.00	81.51	359.75	7,596.49	-4,617.99	505.05	-12.99	505.18	6.85	454,029.69	641,668.58	
7,910.00	83.89	359.55	7,600.43	-4,621.93	535.80	-13.18	535.93	7.70	454,060.43	641,668.39	
7,953.00	86.97	357.93	7,603.85	-4,625.35	578.64	-14.13	578.78	8.09	454,103.28	641,667.45	
7,984.00	88.72	358.11	7,605.02	-4,626.52	609.60	-15.20	609.75	5.67	454,134.24	641,666.38	
8,047.00	88.99	359.51	7,606.28	-4,627.78	672.57	-16.50	672.74	2.26	454,197.21	641,665.07	
8,141.00	88.37	0.52	7,608.44	-4,629.94	766.55	-16.48	766.70	1.26	454,291.18	641,665.09	
8,235.00	89.25	0.54	7,610.39	-4,631.89	860.52	-15.61	860.65	0.94	454,385.16	641,665.96	
8,329.00	89.96	0.60	7,611.04	-4,632.54	954.51	-14.67	954.63	0.76	454,479.15	641,666.90	
EOC:8329.00*MD:89.96*INC:0.60*AZI:7611.04*TVD:											
8,424.00	90.75	0.91	7,610.45	-4,631.95	1,049.50	-13.42	1,049.59	0.89	454,574.14	641,668.15	
8,518.00	90.31	2.24	7,609.58	-4,631.08	1,143.46	-10.84	1,143.50	1.49	454,668.10	641,670.73	
8,611.00	90.48	0.43	7,608.94	-4,630.44	1,236.43	-8.67	1,236.43	1.95	454,761.07	641,672.90	
8,704.00	90.57	0.23	7,608.09	-4,629.59	1,329.42	-8.14	1,329.41	0.24	454,854.06	641,673.43	
8,798.00	90.22	359.10	7,607.44	-4,628.94	1,423.42	-8.69	1,423.40	1.26	454,948.06	641,672.89	
8,893.00	89.60	359.94	7,607.59	-4,629.09	1,518.41	-9.48	1,518.40	1.10	455,043.05	641,672.09	
8,987.00	89.08	356.69	7,608.67	-4,630.17	1,612.35	-12.25	1,612.37	3.50	455,136.99	641,669.33	
9,081.00	89.69	356.89	7,609.68	-4,631.18	1,706.20	-17.51	1,706.28	0.68	455,230.84	641,664.06	
9,175.00	88.90	356.46	7,610.84	-4,632.34	1,800.03	-22.96	1,800.18	0.96	455,324.67	641,658.61	
9,269.00	90.22	356.21	7,611.56	-4,633.06	1,893.84	-28.97	1,894.06	1.43	455,418.48	641,652.60	
9,363.00	90.75	358.71	7,610.77	-4,632.27	1,987.73	-33.13	1,988.00	2.72	455,512.37	641,648.44	
9,458.00	89.87	358.59	7,610.25	-4,631.75	2,082.71	-35.37	2,082.99	0.93	455,607.34	641,646.20	
9,552.00	90.04	359.38	7,610.33	-4,631.83	2,176.69	-37.04	2,176.99	0.86	455,701.33	641,644.53	



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Well:	#6H	North Reference:	Grd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey												
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
9,646.00	91.71	0.40	7,608.89	-4,630.39	2,270.67	-37.22	2,270.97	2.08	455,795.31	641,644.35		
9,739.00	91.45	0.54	7,606.33	-4,627.83	2,363.64	-36.46	2,363.91	0.32	455,888.27	641,645.12		
9,834.00	90.48	0.59	7,604.73	-4,626.23	2,458.62	-35.52	2,458.87	1.02	455,983.25	641,646.05		
9,928.00	90.22	0.94	7,604.15	-4,625.65	2,552.61	-34.26	2,552.84	0.46	456,077.24	641,647.31		
10,022.00	89.87	0.67	7,604.08	-4,625.58	2,646.60	-32.94	2,646.80	0.47	456,171.23	641,648.63		
10,136.00	88.90	0.15	7,605.30	-4,626.80	2,760.59	-32.13	2,760.77	0.97	456,285.22	641,649.44		
10,231.00	89.87	358.40	7,606.32	-4,627.82	2,855.57	-33.33	2,855.76	2.11	456,380.21	641,648.24		
10,325.00	90.48	357.87	7,606.03	-4,627.53	2,949.52	-36.39	2,949.74	0.86	456,474.15	641,645.18		
10,419.00	90.48	358.14	7,605.25	-4,626.75	3,043.46	-39.66	3,043.71	0.29	456,568.09	641,641.91		
10,513.00	89.96	357.79	7,604.89	-4,626.39	3,137.40	-43.00	3,137.69	0.67	456,662.03	641,638.57		
10,607.00	90.04	357.97	7,604.89	-4,626.39	3,231.33	-46.48	3,231.66	0.21	456,755.97	641,635.10		
10,701.00	87.76	357.43	7,606.69	-4,628.19	3,325.23	-50.25	3,325.61	2.49	456,849.87	641,631.32		
10,795.00	88.64	358.12	7,609.64	-4,631.14	3,419.11	-53.90	3,419.53	1.19	456,943.75	641,627.68		
10,890.00	89.60	358.72	7,611.10	-4,632.60	3,514.06	-56.51	3,514.51	1.19	457,038.70	641,625.06		
10,983.00	90.31	359.59	7,611.17	-4,632.67	3,607.05	-57.89	3,607.51	1.21	457,131.69	641,623.69		
11,078.00	90.31	359.41	7,610.66	-4,632.16	3,702.05	-58.71	3,702.50	0.19	457,226.69	641,622.86		
11,172.00	91.19	359.41	7,609.43	-4,630.93	3,796.03	-59.68	3,796.50	0.94	457,320.67	641,621.89		
11,265.00	91.19	359.55	7,607.50	-4,629.00	3,889.01	-60.53	3,889.47	0.15	457,413.65	641,621.05		
11,360.00	91.10	359.81	7,605.60	-4,627.10	3,983.99	-61.06	3,984.45	0.29	457,508.63	641,620.52		
11,454.00	91.10	0.16	7,603.80	-4,625.30	4,077.97	-61.08	4,078.43	0.37	457,602.61	641,620.49		
11,548.00	90.57	0.19	7,602.43	-4,623.93	4,171.96	-60.79	4,172.40	0.56	457,696.60	641,620.78		
11,642.00	90.75	0.34	7,601.34	-4,622.84	4,265.95	-60.36	4,266.38	0.25	457,790.59	641,621.21		
11,735.00	91.71	1.22	7,599.35	-4,620.85	4,358.92	-59.09	4,359.32	1.40	457,883.56	641,622.48		
11,829.00	90.57	0.62	7,597.48	-4,618.98	4,452.89	-57.59	4,453.26	1.37	457,977.53	641,623.99		
11,923.00	89.09	359.67	7,597.76	-4,619.26	4,546.88	-57.35	4,547.24	1.87	458,071.52	641,624.22		
12,017.00	89.16	358.41	7,599.19	-4,620.69	4,640.86	-58.92	4,641.23	1.34	458,165.50	641,622.65		
12,111.00	89.69	359.30	7,600.13	-4,621.63	4,734.83	-60.80	4,735.22	1.10	458,259.47	641,620.77		



Pathfinder
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp	Local Co-ordinate Reference:	Well #6H
Project:	Eddy County	TVD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Site:	Chevron "BOT"	MD Reference:	Patriot #5 @ 2978.50usft (26.5' KB)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey												
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
12,205.00	89.87	359.57	7,600.50	-4,622.00	4,828.83	-61.73	4,829.22	0.35	458,353.47	641,619.85		
12,300.00	89.25	358.29	7,601.23	-4,622.73	4,923.81	-63.50	4,924.21	1.50	458,448.44	641,618.07		
12,394.00	89.08	358.45	7,602.60	-4,624.10	5,017.76	-66.17	5,018.19	0.25	458,542.40	641,615.40		
12,488.00	88.81	359.12	7,604.33	-4,625.83	5,111.72	-68.17	5,112.17	0.77	458,636.36	641,613.40		
12,582.00	89.52	358.86	7,605.70	-4,627.20	5,205.69	-69.82	5,206.16	0.80	458,730.33	641,611.75		
12,676.00	89.43	357.80	7,606.56	-4,628.06	5,299.65	-72.56	5,300.15	1.13	458,824.29	641,609.01		
12,770.00	90.48	358.99	7,606.63	-4,628.13	5,393.61	-75.20	5,394.13	1.69	458,918.25	641,606.38		
12,864.00	90.48	358.54	7,605.84	-4,627.34	5,487.58	-77.22	5,488.13	0.48	459,012.22	641,604.35		
12,959.00	90.31	358.50	7,605.19	-4,626.69	5,582.55	-79.68	5,583.12	0.18	459,107.19	641,601.90		
13,053.00	91.54	359.43	7,603.67	-4,625.17	5,676.52	-81.37	5,677.10	1.64	459,201.16	641,600.20		
13,147.00	91.19	359.69	7,601.43	-4,622.93	5,770.49	-82.09	5,771.07	0.46	459,295.13	641,599.48		
13,241.00	90.92	359.82	7,599.70	-4,621.20	5,864.47	-82.50	5,865.05	0.32	459,389.11	641,599.08		
13,272.00	91.01	0.21	7,599.18	-4,620.68	5,895.47	-82.49	5,896.05	1.29	459,420.11	641,599.08		
13,428.00	91.01	0.21	7,596.43	-4,617.93	6,051.44	-81.92	6,052.00	0.00	459,576.08	641,599.65		
BHL-13428.00°MD,91.01°INC,0.21°AZI, 7596.43°TVD, 6052.00°VS, 6051.44°N, -81.92°E												

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,776.00	6,774.82	-25.91	-5.40	KOP-6776.00°MD,0.79°INC,124.84°AZI,6774.82°TVD
8,329.00	7,611.04	954.51	-14.67	EOC-8329.00°MD,89.96°INC,0.60°AZI,7611.04°TVD
13,428.00	7,596.43	6,051.44	-81.92	BHL-13428.00°MD,91.01°INC,0.21°AZI, 7596.43°TVD, 6052.00°VS, 6051.44°N, -

Checked By. _____	Approved By. _____	Date: _____
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Project: Eddy County
Site: Chevron "BOT"
Well: #6H
Wellbore: OH
Plan: Plan #2 (#6H/OH)



Azimuths to Grid North
True North: -0.17°
Magnetic North: 7.64°

Magnetic Field
Strength: 48607.8nT
Dip Angle: 60.14°
Date: 03/21/2011
Model: IGRF2010

PATHFINDER
A Schlumberger Company

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

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSec	Target
6950.00	1.18	162.56	6945.79	-28.30	-3.88	0.00	0.00	-28.25	
7027.00	1.18	162.56	7025.78	-28.82	-3.40	0.00	0.00	-29.77	
7938.25	90.00	359.21	7610.00	542.98	-7.85	10.00	-163.35	543.04	
13493.52	90.00	359.21	7610.00	6097.72	-84.44	0.00	0.00	6098.31	PBHL(Chev#6H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL(Chev#6H)	7625.00	6097.73	-83.80	459622.368	841597.771	Point	

WELL DETAILS #6H							
Ground Elevation		2952.00					
RKB Elevation		Patnot #5 @ 2978 50usft (26.5' KB)					
Rig Name		26.5' KB					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	453524.638	841681.572	32° 14' 47.033 N	104° 0' 31.536 W		

