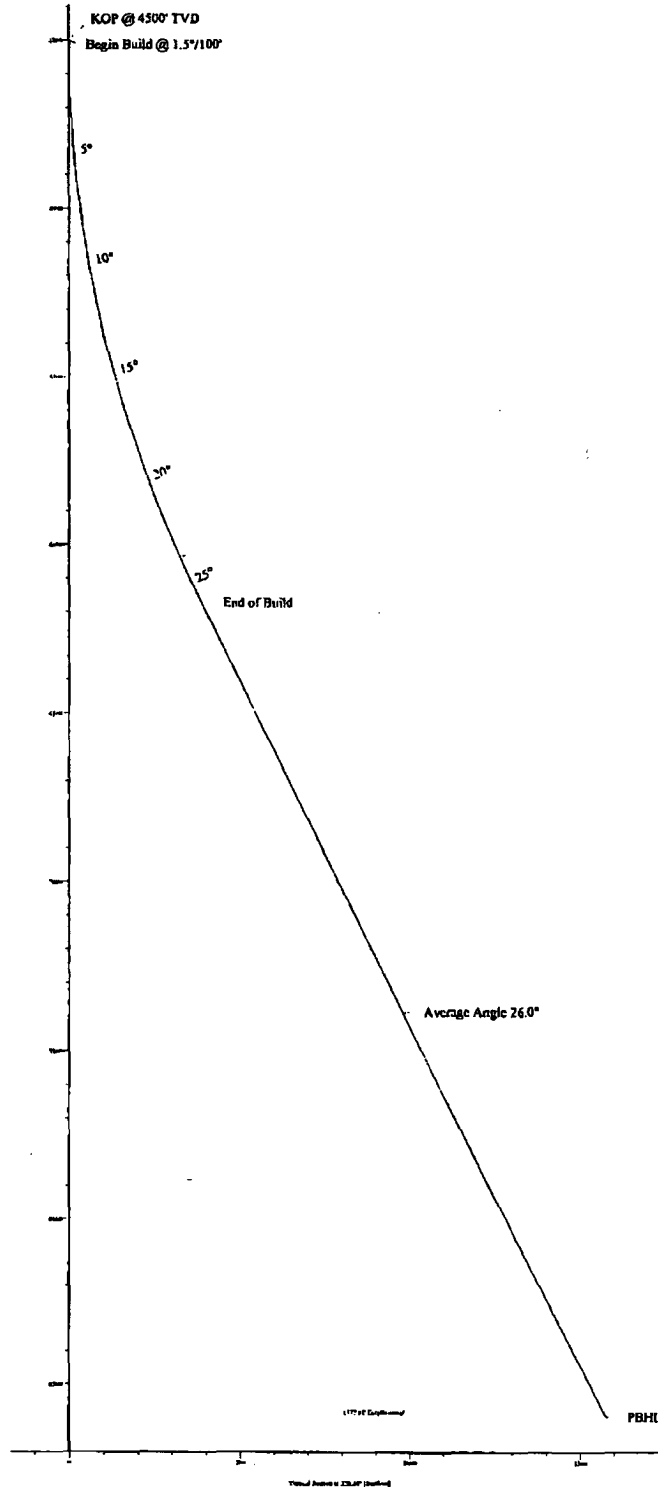


Devon Energy
Right Hand Canyon "35" Federal #5
Section 35-21S-24E
Eddy County, New Mexico

30-015-33625

SECTION DETAILS

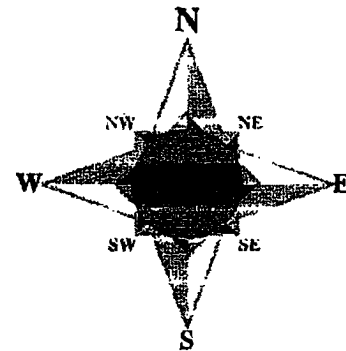
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLog	TFace	VSec	Target
1	4500.119	0.00	328.46	4500.00	0.00	0.00	0.00	0.00	0.00	
2	6253.33	26.00	328.46	6174.45	329.47	-302.22	1.50	-31.54	386.58	
3	8935.26	26.28	328.43	8600.00	1544.00	-825.00	0.01	-0.77	1577.01	PBHL



PBHL
 1344' North, 825' West
 8935.26' MD, 8600' TVD
 1577.01' Displacement
 328.43° Azimuth
 Eddy County, New Mexico

Surface Hole Location
 2334' North, 1485' West
 Lat: N32°26'13.3"
 Long: W104°28'21.1"
 Eddy County, NM

7.19137° East of True
 Name: TVD MD Inc +E-W Target
 PBHL 8600 8935.26 26.28 -825.00 1577.01



Declination 9.01°
 Dip Angle 60.46°
 Field Strength 49490 nT



Plan: Plan #1 (Right Hand Canyon "35" Federal #5/1)

Created By: Kristy Pyle

Date: 9/3/2004

Checked:

Date:

Reviewed:

Date:

Approved:

Date:

Quantum Planning Report

Company: Devon Energy	Date: 9/3/2004	Time: 14:30:00	Page: 003
Field: Indian Basin	Coordinate Reference: NAD27 (Clarke 1866)	Site: Right Hand Canyon "35" Federal #5	
Site: Right Hand Canyon "35" Federal #5	Vertical (TVD) Reference: Mean Sea Level	Well: Right Hand Canyon "35" Federal #5	
Wellpath: 1	Plan: 1		

Field: Indian Basin Eddy County, New Mexico USA	Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Sys Datum: Mean Sea Level	Coordinate System: Site Centre
		Geomagnetic Model: igrf2000

Site: Right Hand Canyon "35" Federal #5

Site Position:	From: Geographic	Northings: 522732.56 ft	Latitude: 32 26 13.300 N
		Easting: 456996.37 ft	Longitude: 104 28 21.800 W
Position Uncertainty: 0.00 ft			North Reference: Grid
Ground Level: 0.00 ft			Grid Convergence: -0.07 deg

Well: Right Hand Canyon "35" Federal	Slot Name:
--------------------------------------	------------

Well Position:	+N/-S 0.00 ft	Northings: 522732.56 ft	Latitude: 32 26 13.300 N
	+E/-W 0.00 ft	Easting: 456996.37 ft	Longitude: 104 28 21.800 W
Position Uncertainty: 0.00 ft			

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 9/3/2004	Above System Datum: Mean Sea Level
Field Strength: 49490 nT	Declination: 9.01 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.46 deg
ft	+N/-S ft
ft	+E/-W ft
0.00	0.00
0.00	328.46

Plan: Plan #1	Date Composed: 9/3/2004
Principal: Yes	Version: 1
	Tied-to: User Defined

Plan Section Information										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TPO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
4500.00	0.00	328.46	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
6233.33	26.00	328.46	6174.45	329.47	-202.22	1.50	1.50	0.00	-31.54	
8935.26	26.28	328.45	8600.00	1344.00	-825.00	0.01	0.01	0.00	-0.77	PBHL

Survey										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TPO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
4500.00	0.00	328.46	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	Begin Build @ 1.5"/100'
4550.00	0.75	328.46	4550.00	0.28	-0.17	0.33	1.50	1.50	0.00	MWD
4600.00	1.50	328.46	4599.99	1.12	-0.68	1.31	1.50	1.50	0.00	MWD
4650.00	2.25	328.46	4649.96	2.51	-1.54	2.94	1.50	1.50	0.00	MWD
4700.00	3.00	328.46	4699.91	4.46	-2.74	5.23	1.50	1.50	0.00	MWD
4750.00	3.75	328.46	4749.82	6.97	-4.28	8.18	1.50	1.50	0.00	MWD
4800.00	4.50	328.46	4799.69	10.04	-6.16	11.77	1.50	1.50	0.00	MWD
4850.00	5.25	328.46	4849.51	13.66	-8.38	16.02	1.50	1.50	0.00	MWD
4900.00	6.00	328.46	4899.27	17.83	-10.95	20.92	1.50	1.50	0.00	MWD
4950.00	6.75	328.46	4948.96	22.57	-13.85	26.48	1.50	1.50	0.00	MWD
5000.00	7.50	328.46	4998.57	27.85	-17.09	32.68	1.50	1.50	0.00	MWD
5050.00	8.25	328.46	5048.10	33.69	-20.68	39.53	1.50	1.50	0.00	MWD
5100.00	9.00	328.46	5097.54	40.08	-24.60	47.03	1.50	1.50	0.00	MWD
5150.00	9.75	328.46	5146.87	47.02	-28.86	55.17	1.50	1.50	0.00	MWD
5200.00	10.50	328.46	5196.09	54.51	-33.46	63.96	1.50	1.50	0.00	MWD
5250.00	11.25	328.46	5245.19	62.55	-38.39	73.39	1.50	1.50	0.00	MWD
5300.00	12.00	328.46	5294.16	71.14	-43.66	83.47	1.50	1.50	0.00	MWD
5350.00	12.75	328.46	5343.00	80.27	-49.27	94.19	1.50	1.50	0.00	MWD

Quantum Planning Report

Company: Devon Energy	Date: 9/22/04	Time: 11:49:50	Page: 2
Field: Indian Basin	Coordinate (N/D) Reference: Site: Right Hand Canyon 45° Federal #5	Vertical (TVD) Reference: SITE 0-D	
Site: Right Hand Canyon 45° Federal #5	Section (N/D) Reference: Well: 000000000-000-00000	Plan: 1	
Well: Right Hand Canyon 45° Federal #5			
Wellpath:			

Survey

MD	Inc	Chn	TVD	NAS	EW	VS	DLS	Build	Log	Tool/Joint
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
5400.00	13.50	328.46	5391.70	89.95	-55.21	105.54	1.50	1.50	0.00	MWD
5450.00	14.25	328.46	5440.24	100.17	-61.48	117.53	1.50	1.50	0.00	MWD
5500.00	15.00	328.46	5488.62	110.93	-68.08	130.15	1.50	1.50	0.00	MWD
5550.00	15.75	328.46	5536.83	122.23	-75.02	143.41	1.50	1.50	0.00	MWD
5600.00	16.50	328.46	5584.86	134.06	-82.28	157.30	1.50	1.50	0.00	MWD
5650.00	17.25	328.46	5632.71	146.43	-89.87	171.81	1.50	1.50	0.00	MWD
5700.00	18.00	328.46	5680.36	159.33	-97.79	186.95	1.50	1.50	0.00	MWD
5750.00	18.75	328.46	5727.81	172.77	-106.04	202.71	1.50	1.50	0.00	MWD
5800.00	19.50	328.46	5775.05	186.73	-114.61	219.09	1.50	1.50	0.00	MWD
5850.00	20.25	328.46	5822.07	201.22	-123.50	236.09	1.50	1.50	0.00	MWD
5900.00	21.00	328.46	5868.86	216.23	-132.71	253.70	1.50	1.50	0.00	MWD
5950.00	21.75	328.46	5915.43	231.76	-142.24	271.93	1.50	1.50	0.00	MWD
6000.00	22.50	328.46	5961.74	247.81	-152.09	290.76	1.50	1.50	0.00	MWD
6050.00	23.25	328.46	6007.81	264.37	-162.26	310.19	1.50	1.50	0.00	MWD
6100.00	24.00	328.46	6053.62	281.45	-172.74	330.23	1.50	1.50	0.00	MWD
6150.00	24.75	328.46	6099.16	299.04	-183.54	350.87	1.50	1.50	0.00	MWD
6200.00	25.50	328.46	6144.43	317.13	-194.64	372.10	1.50	1.50	0.00	MWD
6233.33	26.00	328.46	6174.45	329.47	-202.22	386.58	1.50	1.50	0.00	End of Build
6250.00	26.00	328.46	6189.43	335.70	-206.04	393.88	0.01	0.01	0.00	MWD
6300.00	26.01	328.46	6234.37	354.38	-217.51	415.81	0.01	0.01	0.00	MWD
6350.00	26.01	328.46	6279.31	373.07	-228.98	437.73	0.01	0.01	0.00	MWD
6400.00	26.02	328.46	6324.24	391.76	-240.45	459.66	0.01	0.01	0.00	MWD
6450.00	26.02	328.46	6369.17	410.45	-251.92	481.60	0.01	0.01	0.00	MWD
6500.00	26.03	328.46	6414.10	429.15	-263.40	503.54	0.01	0.01	0.00	MWD
6550.00	26.03	328.46	6459.03	447.85	-274.88	525.48	0.01	0.01	0.00	MWD
6600.00	26.04	328.46	6503.96	466.56	-286.36	547.42	0.01	0.01	0.00	MWD
6650.00	26.04	328.46	6548.88	485.26	-297.84	569.38	0.01	0.01	0.00	MWD
6700.00	26.05	328.46	6593.80	503.97	-309.32	591.33	0.01	0.01	0.00	MWD
6750.00	26.05	328.46	6638.72	522.69	-320.81	613.29	0.01	0.01	0.00	MWD
6800.00	26.06	328.46	6683.64	541.41	-332.30	635.25	0.01	0.01	0.00	MWD
6850.00	26.06	328.46	6728.56	560.13	-343.79	657.22	0.01	0.01	0.00	MWD
6900.00	26.07	328.46	6773.47	578.85	-355.28	679.19	0.01	0.01	0.00	MWD
6950.00	26.07	328.46	6818.38	597.58	-366.78	701.17	0.01	0.01	0.00	MWD
7000.00	26.08	328.46	6863.29	616.31	-378.28	723.14	0.01	0.01	0.00	MWD
7050.00	26.09	328.46	6908.20	635.05	-389.78	745.13	0.01	0.01	0.00	MWD
7100.00	26.09	328.46	6953.11	653.79	-401.28	767.12	0.01	0.01	0.00	MWD
7150.00	26.10	328.46	6998.01	672.53	-412.79	789.11	0.01	0.01	0.00	MWD
7200.00	26.10	328.46	7042.91	691.28	-424.29	811.10	0.01	0.01	0.00	MWD
7250.00	26.11	328.46	7087.81	710.03	-435.80	833.10	0.01	0.01	0.00	MWD
7300.00	26.11	328.46	7132.71	728.78	-447.31	855.11	0.01	0.01	0.00	MWD
7350.00	26.12	328.46	7177.61	747.54	-458.83	877.12	0.01	0.01	0.00	MWD
7400.00	26.12	328.46	7222.50	766.30	-470.34	899.13	0.01	0.01	0.00	MWD
7450.00	26.13	328.46	7267.39	785.06	-481.86	921.14	0.01	0.01	0.00	MWD
7500.00	26.13	328.46	7312.28	803.83	-493.38	943.16	0.01	0.01	0.00	MWD
7550.00	26.14	328.46	7357.17	822.60	-504.90	965.19	0.01	0.01	0.00	MWD
7582.11	26.14	328.46	7386.00	834.65	-512.30	979.33	0.01	0.01	0.00	Average Angle 26.0°
7600.00	26.14	328.46	7402.06	841.37	-516.43	987.22	0.02	0.02	0.00	MWD
7650.00	26.15	328.46	7446.94	860.15	-527.95	1009.25	0.01	0.01	0.00	MWD
7700.00	26.15	328.46	7491.82	878.93	-539.48	1031.29	0.01	0.01	0.00	MWD
7750.00	26.16	328.46	7536.70	897.71	-551.01	1053.33	0.01	0.01	0.00	MWD
7800.00	26.16	328.46	7581.58	916.50	-562.55	1075.37	0.01	0.01	0.00	MWD
7850.00	26.17	328.45	7626.46	935.29	-574.08	1097.42	0.01	0.01	0.00	MWD
7900.00	26.17	328.45	7671.33	954.08	-585.62	1119.47	0.01	0.01	0.00	MWD

Wolfcamp.

Quantum Planning Report

Company: Devon Energy	Date: 9/20/04	Time: 11:49:55	Page: 1
Field: Indian Basin	Coordinate (NAD) Reference: Site: Right Hand Canyon '98 Federal '95	Vertical (TVD) Reference: SITE 0.0	
Site: Right Hand Canyon '95 Federal '95	Section (NAD) Reference: Well: 0-88N-0-00E-2285 (2285)	Plan: 1	
Well: Right Hand Canyon '95 Federal '95			
Wellpath: 1			

Survey

MD	Mag	Ann	TVD	N/S	E/W	VS	DIS	Build	Turn	Tool	Comment
ft	deg	deg	ft	deg	deg	deg	deg/100'	deg/100'	deg/100'	deg/100'	
7950.00	26.18	328.45	7716.20	972.88	-597.16	1141.53	0.01	0.01	0.00	MWD	
8000.00	26.18	328.45	7761.07	991.68	-608.70	1163.59	0.01	0.01	0.00	MWD	
8050.00	26.19	328.45	7805.94	1010.49	-620.24	1185.66	0.01	0.01	0.00	MWD	
8100.00	26.20	328.45	7850.81	1029.29	-631.79	1207.73	0.01	0.01	0.00	MWD	
8150.00	26.20	328.45	7895.67	1048.11	-643.34	1229.80	0.01	0.01	0.00	MWD	Top of D=1
8200.00	26.21	328.45	7940.53	1066.92	-654.89	1251.88	0.01	0.01	0.00	MWD	
8250.00	26.21	328.45	7985.39	1085.74	-666.44	1273.96	0.01	0.01	0.00	MWD	
8300.00	26.22	328.45	8030.25	1104.56	-678.00	1296.05	0.01	0.01	0.00	MWD	
8350.00	26.22	328.45	8075.10	1123.39	-689.56	1318.14	0.01	0.01	0.00	MWD	
8400.00	26.23	328.45	8119.96	1142.22	-701.12	1340.23	0.01	0.01	0.00	MWD	
8450.00	26.23	328.45	8164.81	1161.05	-712.68	1362.33	0.01	0.01	0.00	MWD	
8500.00	26.24	328.45	8209.66	1179.88	-724.24	1384.43	0.01	0.01	0.00	MWD	
8550.00	26.24	328.45	8254.51	1198.72	-735.81	1406.54	0.01	0.01	0.00	MWD	
8600.00	26.25	328.45	8299.35	1217.57	-747.38	1428.65	0.01	0.01	0.00	MWD	Btm of D=1
8650.00	26.25	328.45	8344.20	1236.41	-758.95	1450.76	0.01	0.01	0.00	MWD	
8700.00	26.26	328.45	8389.04	1255.26	-770.52	1472.88	0.01	0.01	0.00	MWD	
8750.00	26.26	328.45	8433.88	1274.11	-782.09	1495.00	0.01	0.01	0.00	MWD	
8800.00	26.27	328.45	8478.71	1292.97	-793.67	1517.13	0.01	0.01	0.00	MWD	
8850.00	26.27	328.45	8523.55	1311.83	-805.25	1539.26	0.01	0.01	0.00	MWD	
8900.00	26.28	328.45	8568.38	1330.69	-816.83	1561.40	0.01	0.01	0.00	MWD	
8935.26	26.28	328.45	8600.00	1344.00	-825.00	1577.01	0.01	0.01	0.00	PBHL	

Targets

Name	Description	TVD	N/S	E/W	Northing	Easting	Mag	Ann	Tool	Comment
Dip	Dip	ft	deg	deg	ft	ft	deg	deg	deg	
PBHL		8600.00	1344.00	-825.00	524076.56	456171.37	32	26	26.589 N	104 28 31.448 W
-Rectangle (200x200)										
-Plan hit target										

Annotation

MD	TVD	ft	ft	Description
4500.00	4500.00			KOP @ 4500' TVD
4500.00	4500.00			Begin Build @ 1.5"/100'
6233.33	6174.45			End of Build
7582.11	7386.00			Average Angle 28.0°
8935.26	8600.00			PBHL