

Company: Parallel Petroleum Corp.
Field: Matchbox
Site Name: Matchbox I Mag Dec.Corr. +8.98 EAST TO GRID
Well Name: Matchbox Fed No. 1
Wellpath Name: Original Hole AFE / OCS: Wolfcamp Horizontal
Survey Name: Pathfinder MWD Survey Survey Date: 4/16/2006 Survey Type: 100 - 3963 Gyro Survey :
3998 - 8305 Pathfinder MWD Survey :
Depth Units: ft

SURFACE LOCATION
Site Northing 612680.9
Site Easting 373436.7

BOTTOM HOLE LOCATION
BHL MD 8305
BHL TVD 4403.99

WELL INFORMATION
Well Northing: 612680.9
Well Easting: 373436.7
Rig K.B: 0
Vsec Angle: 0.15
Vsec North: 0
Vsec East: 0

SURVEY LIST											
MD	INC	AZI	TVD	NS	EW	VSEC	DLS	Northing	Easting	Latitude	Longitude
0	0	0.22		0	0	0	0	0 612680.9	373436.7	32°41'01.265N	104°44'40.881W
100	1.74	164.33		99.98	-1.46	0.41	-1.46	1.74 612679.44	373437.11	32°41'01.250N	104°44'40.876W
200	1.81	149.34		199.94	-4.28	1.63	-4.28	0.47 612676.62	373438.33	32°41'01.223N	104°44'40.861W
300	2.15	154.7		299.88	-7.34	3.23	-7.33	0.39 612673.56	373439.93	32°41'01.192N	104°44'40.842W

400	1.97	158.18	399.81	-10.63	4.67	-10.62	0.22	612670.27	373441.37	32°41'01.160N	104°44'40.825W
500	1.8	181.14	499.76	-13.79	5.28	-13.78	0.77	612667.11	373441.98	32°41'01.129N	104°44'40.818W
600	1.31	189.95	599.72	-16.49	5.05	-16.48	0.54	612664.41	373441.75	32°41'01.102N	104°44'40.821W
700	1.06	206.3	699.7	-18.45	4.44	-18.43	0.42	612662.45	373441.14	32°41'01.083N	104°44'40.828W
800	0.98	224.05	799.69	-19.89	3.44	-19.88	0.32	612661.01	373440.14	32°41'01.068N	104°44'40.839W
900	1.39	250.46	899.67	-20.91	1.7	-20.9	0.67	612659.99	373438.4	32°41'01.058N	104°44'40.860W
1000	2.03	252.6	999.62	-21.84	-1.13	-21.85	0.64	612659.06	373435.57	32°41'01.049N	104°44'40.893W
1100	2.09	251.17	1099.56	-22.96	-4.55	-22.97	0.08	612657.94	373432.15	32°41'01.038N	104°44'40.933W
1200	1.91	262.07	1199.5	-23.78	-7.92	-23.8	0.42	612657.12	373428.78	32°41'01.029N	104°44'40.972W
1300	1.73	261.83	1299.44	-24.23	-11.07	-24.25	0.18	612656.67	373425.63	32°41'01.025N	104°44'41.009W
1400	1.46	260.66	1399.41	-24.65	-13.82	-24.68	0.27	612656.25	373422.88	32°41'01.020N	104°44'41.041W
1500	1.39	258.93	1499.37	-25.09	-16.27	-25.13	0.08	612655.81	373420.43	32°41'01.016N	104°44'41.070W
1600	1.11	257.5	1599.35	-25.53	-18.4	-25.58	0.28	612655.37	373418.3	32°41'01.012N	104°44'41.095W
1700	1	255.21	1699.33	-25.96	-20.19	-26.01	0.12	612654.94	373416.51	32°41'01.007N	104°44'41.116W
1800	1.09	254.29	1799.32	-26.44	-21.95	-26.5	0.09	612654.46	373414.75	32°41'01.002N	104°44'41.136W
1900	1.02	255.09	1899.3	-26.93	-23.73	-26.99	0.07	612653.97	373412.97	32°41'00.998N	104°44'41.157W
2000	1.05	253.48	1999.28	-27.42	-25.47	-27.48	0.04	612653.48	373411.23	32°41'00.993N	104°44'41.177W
2100	1.16	249.83	2099.27	-28.03	-27.29	-28.1	0.13	612652.87	373409.41	32°41'00.987N	104°44'41.199W
2200	0.84	245.5	2199.25	-28.68	-28.91	-28.76	0.33	612652.22	373407.79	32°41'00.980N	104°44'41.218W
2300	1.24	229.48	2299.23	-29.69	-30.4	-29.77	0.49	612651.21	373406.3	32°41'00.970N	104°44'41.235W
2400	0.56	249.4	2399.22	-30.56	-31.68	-30.65	0.74	612650.34	373405.02	32°41'00.961N	104°44'41.250W
2500	0.34	238.16	2499.22	-30.89	-32.39	-30.98	0.24	612650.01	373404.31	32°41'00.958N	104°44'41.258W
2600	0.37	246.15	2599.22	-31.18	-32.94	-31.26	0.06	612649.72	373403.76	32°41'00.955N	104°44'41.265W
2700	0.44	241.04	2699.21	-31.49	-33.57	-31.58	0.08	612649.41	373403.13	32°41'00.952N	104°44'41.272W
2800	0.57	240.47	2799.21	-31.93	-34.34	-32.02	0.13	612648.97	373402.36	32°41'00.948N	104°44'41.281W
2900	0.38	247.63	2899.21	-32.3	-35.08	-32.39	0.2	612648.6	373401.62	32°41'00.944N	104°44'41.290W
3000	0.49	240.46	2999.2	-32.63	-35.76	-32.73	0.12	612648.27	373400.94	32°41'00.941N	104°44'41.297W
3100	0.44	256.7	3099.2	-32.93	-36.5	-33.03	0.14	612647.97	373400.2	32°41'00.938N	104°44'41.306W
3200	0.41	248.78	3199.2	-33.15	-37.21	-33.25	0.07	612647.75	373399.49	32°41'00.935N	104°44'41.314W
3300	0.21	238	3299.2	-33.38	-37.7	-33.48	0.21	612647.52	373399	32°41'00.933N	104°44'41.320W
3400	0.11	219.24	3399.2	-33.55	-37.91	-33.65	0.11	612647.35	373398.79	32°41'00.931N	104°44'41.323W
3500	0.18	223.51	3499.19	-33.74	-38.08	-33.84	0.07	612647.16	373398.62	32°41'00.930N	104°44'41.325W

3600	0.2	315.45	3599.19	-33.73	-38.31	-33.83	0.27	612647.17	373398.39	32°41'00.930N	104°44'41.327W
3700	0.16	311.44	3699.19	-33.51	-38.54	-33.61	0.04	612647.39	373398.16	32°41'00.932N	104°44'41.330W
3800	0.46	33.34	3799.19	-33.08	-38.42	-33.18	0.47	612647.82	373398.28	32°41'00.936N	104°44'41.329W
3900	0.72	37.08	3899.19	-32.25	-37.82	-32.34	0.26	612648.65	373398.88	32°41'00.944N	104°44'41.322W
3963	0.56	34.81	3962.18	-31.68	-37.41	-31.77	0.25	612649.22	373399.29	32°41'00.950N	104°44'41.317W
3998	4.47	5.46	3997.14	-30.18	-37.18	-30.27	11.4	612650.72	373399.52	32°41'00.965N	104°44'41.314W
4030	8.18	12.32	4028.94	-26.71	-36.58	-26.81	11.81	612654.19	373400.12	32°41'00.999N	104°44'41.307W
4062	11.96	12.5	4060.44	-21.25	-35.37	-21.34	11.81	612659.65	373401.33	32°41'01.053N	104°44'41.293W
4094	16.27	13.2	4091.47	-13.64	-33.63	-13.73	13.48	612667.26	373403.07	32°41'01.129N	104°44'41.273W
4125	20.75	12.23	4120.86	-4.04	-31.48	-4.13	14.49	612676.86	373405.22	32°41'01.224N	104°44'41.249W
4157	25.68	11.35	4150.26	8.3	-28.91	8.23	15.44	612689.2	373407.79	32°41'01.346N	104°44'41.219W
4190	31.22	8.63	4179.27	23.78	-26.22	23.71	17.24	612704.68	373410.48	32°41'01.499N	104°44'41.188W
4221	35.35	5.03	4205.18	40.67	-24.22	40.6	14.76	612721.57	373412.48	32°41'01.666N	104°44'41.166W
4254	40.1	2.39	4231.27	60.81	-22.94	60.75	15.2	612741.71	373413.76	32°41'01.866N	104°44'41.152W
4286	45.29	1.16	4254.78	82.49	-22.28	82.43	16.43	612763.39	373414.42	32°41'02.080N	104°44'41.145W
4322	50.3	1.42	4278.96	109.14	-21.68	109.08	13.93	612790.04	373415.02	32°41'02.344N	104°44'41.139W
4353	54.17	0.98	4297.94	133.64	-21.17	133.58	12.53	612814.54	373415.53	32°41'02.586N	104°44'41.134W
4386	57.33	0.37	4316.51	160.91	-20.85	160.85	9.7	612841.81	373415.85	32°41'02.856N	104°44'41.132W
4418	60.41	359.58	4333.05	188.3	-20.86	188.24	9.85	612869.2	373415.84	32°41'03.127N	104°44'41.133W
4450	64.28	357.2	4347.91	216.62	-21.67	216.56	13.77	612897.52	373415.03	32°41'03.408N	104°44'41.144W
4481	68.24	355.88	4360.38	244.94	-23.39	244.88	13.36	612925.84	373413.31	32°41'03.688N	104°44'41.165W
4512	72.46	355.53	4370.81	274.05	-25.58	273.98	13.65	612954.95	373411.12	32°41'03.976N	104°44'41.192W
4545	75.62	355.18	4379.88	305.67	-28.15	305.59	9.63	612986.57	373408.55	32°41'04.289N	104°44'41.224W
4577	78.52	355.45	4387.04	336.75	-30.69	336.66	9.1	613017.65	373406.01	32°41'04.596N	104°44'41.255W
4609	81.07	356.15	4392.71	368.15	-33	368.07	8.25	613049.05	373403.7	32°41'04.907N	104°44'41.283W
4640	83.62	356.41	4396.84	398.81	-34.99	398.72	8.27	613079.71	373401.71	32°41'05.210N	104°44'41.308W
4672	86.17	356.94	4399.68	430.63	-36.84	430.53	8.14	613111.53	373399.86	32°41'05.525N	104°44'41.331W
4704	88.29	357.2	4401.23	462.54	-38.47	462.44	6.67	613143.44	373398.23	32°41'05.841N	104°44'41.352W
4742	90.22	356.76	4401.72	500.49	-40.47	500.38	5.21	613181.39	373396.23	32°41'06.216N	104°44'41.377W
4774	90.84	358.08	4401.43	532.45	-41.91	532.34	4.56	613213.35	373394.79	32°41'06.532N	104°44'41.395W
4805	90.75	358.35	4401	563.43	-42.88	563.32	0.92	613244.33	373393.82	32°41'06.839N	104°44'41.408W
4838	90.57	1.07	4400.62	596.43	-43.05	596.31	8.26	613277.33	373393.65	32°41'07.165N	104°44'41.411W

4869	90.31	1.77	4400.38	627.42	-42.28	627.31	2.41	613308.32	373394.42	32°41'07.472N	104°44'41.404W
4901	90.13	359.05	4400.26	659.41	-42.05	659.3	8.52	613340.31	373394.65	32°41'07.788N	104°44'41.402W
4964	90.4	359.22	4399.97	722.41	-43	722.29	0.51	613403.31	373393.7	32°41'08.412N	104°44'41.416W
5028	90.13	359.93	4399.67	786.4	-43.48	786.29	1.19	613467.3	373393.22	32°41'09.045N	104°44'41.425W
5092	90.92	0.28	4399.08	850.4	-43.36	850.28	1.35	613531.3	373393.34	32°41'09.678N	104°44'41.426W
5155	91.01	0.63	4398.02	913.39	-42.86	913.27	0.57	613594.29	373393.84	32°41'10.302N	104°44'41.423W
5218	90.66	0.89	4397.1	976.38	-42.02	976.26	0.69	613657.28	373394.68	32°41'10.925N	104°44'41.417W
5282	90.4	1.07	4396.51	1040.36	-40.93	1040.25	0.49	613721.26	373395.77	32°41'11.558N	104°44'41.407W
5346	90.13	1.51	4396.22	1104.35	-39.49	1104.24	0.81	613785.25	373397.21	32°41'12.191N	104°44'41.393W
5410	89.87	2.74	4396.22	1168.3	-37.11	1168.2	1.96	613849.2	373399.59	32°41'12.824N	104°44'41.368W
5506	89.87	0.72	4396.43	1264.25	-34.22	1264.16	2.1	613945.15	373402.48	32°41'13.774N	104°44'41.338W
5538	89.6	0.89	4396.58	1296.25	-33.77	1296.16	1	613977.15	373402.93	32°41'14.091N	104°44'41.334W
5601	89.16	0.98	4397.26	1359.24	-32.74	1359.15	0.71	614040.14	373403.96	32°41'14.714N	104°44'41.325W
5665	88.9	1.07	4398.35	1423.22	-31.59	1423.13	0.43	614104.12	373405.11	32°41'15.347N	104°44'41.315W
5729	89.87	0.72	4399.03	1487.21	-30.59	1487.12	1.61	614168.11	373406.11	32°41'15.980N	104°44'41.306W
5824	90.22	1.6	4398.96	1582.18	-28.67	1582.1	1	614263.08	373408.03	32°41'16.920N	104°44'41.288W
5887	90.04	1.77	4398.82	1645.16	-26.82	1645.08	0.39	614326.06	373409.88	32°41'17.543N	104°44'41.269W
5951	89.87	1.87	4398.87	1709.12	-24.79	1709.05	0.31	614390.02	373411.91	32°41'18.176N	104°44'41.248W
6015	89.78	1.74	4399.06	1773.09	-22.77	1773.03	0.25	614453.99	373413.93	32°41'18.809N	104°44'41.227W
6078	89.04	1.74	4399.71	1836.06	-20.86	1836	1.17	614516.96	373415.84	32°41'19.433N	104°44'41.208W
6141	88.55	1.08	4401.04	1899.03	-19.31	1898.97	1.3	614579.93	373417.39	32°41'20.056N	104°44'41.193W
6204	89.6	1.62	4402.05	1962	-17.82	1961.95	1.87	614642.9	373418.88	32°41'20.679N	104°44'41.178W
6332	90.31	3.53	4402.15	2089.86	-12.07	2089.82	1.59	614770.76	373424.63	32°41'21.944N	104°44'41.117W
6396	90.66	3.18	4401.61	2153.75	-8.33	2153.72	0.77	614834.65	373428.37	32°41'22.577N	104°44'41.076W
6459	89.52	1.77	4401.51	2216.69	-5.61	2216.67	2.88	614897.59	373431.09	32°41'23.200N	104°44'41.047W
6522	89.25	0.81	4402.19	2279.67	-4.19	2279.65	1.58	614960.57	373432.51	32°41'23.823N	104°44'41.033W
6585	89.16	1.07	4403.06	2342.65	-3.16	2342.64	0.44	615023.55	373433.54	32°41'24.446N	104°44'41.024W
6648	89.16	0.98	4403.99	2405.64	-2.03	2405.62	0.14	615086.54	373434.67	32°41'25.070N	104°44'41.013W
6712	89.08	0.89	4404.97	2469.62	-0.98	2469.61	0.19	615150.52	373435.72	32°41'25.703N	104°44'41.004W
6776	90.4	0.63	4405.26	2533.61	-0.14	2533.61	2.1	615214.51	373436.56	32°41'26.336N	104°44'40.997W
6838	90.57	0.37	4404.73	2595.61	0.41	2595.6	0.5	615276.51	373437.11	32°41'26.950N	104°44'40.994W
6902	90.57	0.28	4404.1	2659.61	0.77	2659.6	0.14	615340.51	373437.47	32°41'27.583N	104°44'40.992W

6965	89.43	359.84	4404.1	2722.6	0.83	2722.6	1.94	615403.5	373437.53	32°41'28.206N	104°44'40.994W
7027	89.25	359.66	4404.81	2784.6	0.56	2784.59	0.41	615465.5	373437.26	32°41'28.820N	104°44'41.000W
7089	89.34	359.22	4405.58	2846.59	-0.04	2846.58	0.72	615527.49	373436.66	32°41'29.433N	104°44'41.010W
7153	89.34	359.4	4406.31	2910.58	-0.81	2910.57	0.28	615591.48	373435.89	32°41'30.066N	104°44'41.022W
7217	90.31	359.66	4406.51	2974.58	-1.34	2974.57	1.57	615655.48	373435.36	32°41'30.699N	104°44'41.031W
7280	90.48	359.75	4406.07	3037.58	-1.66	3037.56	0.31	615718.48	373435.04	32°41'31.323N	104°44'41.038W
7344	90.48	359.93	4405.54	3101.57	-1.84	3101.56	0.28	615782.47	373434.86	32°41'31.956N	104°44'41.043W
7408	90.31	359.93	4405.1	3165.57	-1.92	3165.56	0.27	615846.47	373434.78	32°41'32.589N	104°44'41.047W
7471	88.99	0.28	4405.48	3228.57	-1.8	3228.55	2.17	615909.47	373434.9	32°41'33.213N	104°44'41.048W
7534	88.9	0.37	4406.64	3291.56	-1.45	3291.54	0.2	615972.46	373435.25	32°41'33.836N	104°44'41.047W
7598	88.81	0.37	4407.92	3355.54	-1.03	3355.53	0.14	616036.44	373435.67	32°41'34.469N	104°44'41.045W
7662	88.72	0.46	4409.3	3419.53	-0.57	3419.51	0.2	616100.43	373436.13	32°41'35.102N	104°44'41.042W
7726	89.34	359.93	4410.38	3483.52	-0.35	3483.5	1.27	616164.42	373436.35	32°41'35.736N	104°44'41.043W
7790	90.04	0.1	4410.73	3547.52	-0.33	3547.5	1.13	616228.42	373436.37	32°41'36.369N	104°44'41.045W
7853	91.54	1.16	4409.86	3610.5	0.36	3610.49	2.92	616291.4	373437.06	32°41'36.992N	104°44'41.040W
7917	91.1	1.77	4408.39	3674.47	1.99	3674.46	1.17	616355.37	373438.69	32°41'37.625N	104°44'41.024W
7981	91.1	1.86	4407.16	3738.42	4.02	3738.42	0.14	616419.32	373440.72	32°41'38.258N	104°44'41.003W
8045	90.92	1.77	4406.03	3802.38	6.05	3802.38	0.31	616483.28	373442.75	32°41'38.891N	104°44'40.982W
8109	90.31	1.07	4405.34	3866.36	7.63	3866.36	1.45	616547.26	373444.33	32°41'39.524N	104°44'40.967W
8172	90.22	1.42	4405.05	3929.34	9	3929.35	0.57	616610.24	373445.7	32°41'40.148N	104°44'40.954W
8236	90.48	1.77	4404.66	3993.31	10.78	3993.33	0.68	616674.21	373447.48	32°41'40.781N	104°44'40.936W
8257	90.57	1.77	4404.47	4014.3	11.43	4014.32	0.43	616695.2	373448.13	32°41'40.988N	104°44'40.929W
8305	90.57	1.77	4403.99	4062.28	12.91	4062.3	0	616743.18	373449.61	32°41'41.463N	104°44'40.914W