



Weatherford[®]

Drilling Services

Proposal

MARATHON OIL

596-34D-14

GARFIELD COUNTY, CO

WELL FILE: PLAN 2

MARCH 3, 2008

Weatherford International Ltd.

2690 Oil Drive

Casper, Wyoming 82604

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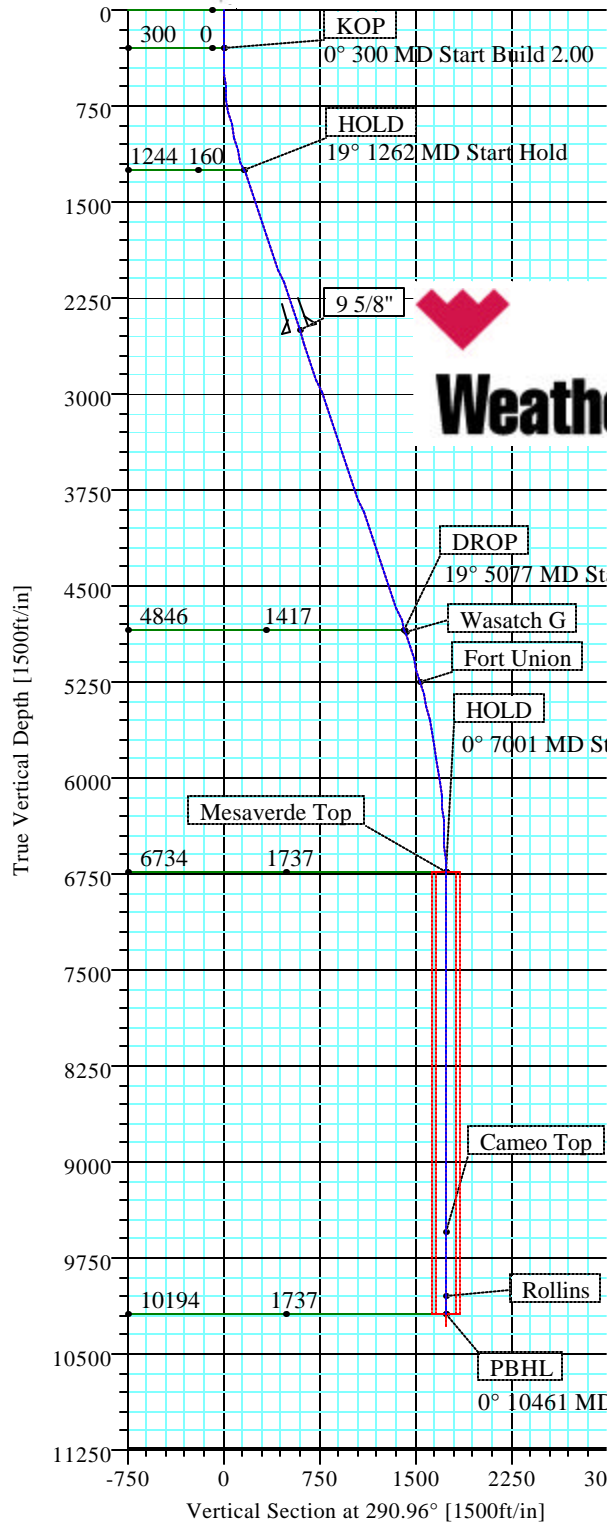
MARATHON OIL CORPORATION
596-34D-14
870' FSL, 355' FEL
SEC 34-T5S-R96W
GARFIELD COUNTY, CO
RIG: NABORS M-37

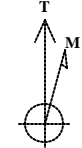
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	290.96	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	290.96	300.00	0.00	0.00	0.00	290.96	0.00	
3	1262.14	19.24	290.96	1244.15	57.25	-149.47	2.00	290.96	160.05	
4	5076.80	19.24	290.96	4845.69	506.90	-1323.51	0.00	0.00	1417.26	
5	7001.08	0.00	290.96	6734.00	621.39	-1622.44	1.00	180.00	1737.37	
6	10461.08	0.00	290.96	10194.00	621.39	-1622.44	0.00	290.96	1737.37	PBHL 14

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
596-34D-14	-39.47	-34.63	1642207.63	2253789.56	39°34'00.438N	108°08'50.314W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL 14	10194.00	621.39	-1622.44	1642876.03	2252185.91	Rectangle (100x200)	

 KB ELEVATION: 8114'
 GR ELEVATION: 8090'





Azimuths to True North
 Magnetic North: 10.88°

Magnetic Field
 Strength: 52642nT
 Dip Angle: 65.87°
 Date: 3/4/2008
 Model: bggm2007

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	4863.00	5095.12	Wasatch G
2	5251.00	5501.00	Fort Union
3	6734.00	7001.08	Mesaverde Top
4	9543.00	9810.08	Cameo Top
5	10044.00	10311.08	Rollins

TOTAL CORRECTION TO TRUE NORTH 10.88°

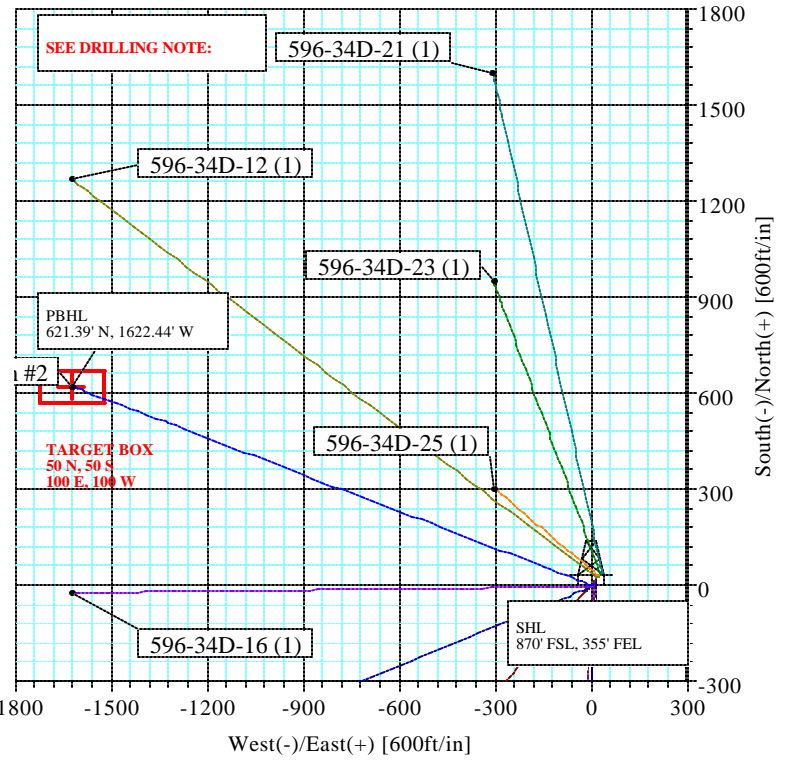
FIELD DETAILS
 GARFIELD COUNTY, CO

Geodetic System: US State Plane Coordinate System 1983
 Ellipsoid: GRS 1980
 Zone: Colorado, Central Zone
 Magnetic Model: bggm2007

System Datum: Mean Sea Level
 Local North: True North

CASING DETAILS				
No.	TVD	MD	Name	Size
1	2500.00	2592.30	9 5/8"	9.625

-DRILLING NOTE-
 TO ACCOUNT FOR THE 240' DRIFT IN AZIMUTH, AIM FOR THE NE SIDE OF THE PBHL, AND BE IN THE TARGET WINDOW BY THE MESAVERDE TOP AND STAY WITHIN THE WINDOW TO TD. DO NOT GO OUTSIDE THE WINDOW



Plan: Plan #2 (596-34D-14/1)
 Created By: Tracy R. Williams
 Date: 3/4/2008

Company: MARATHON OIL COMPANY	Date: 3/4/2008	Time: 09:58:01	Page: 1
Field: GARFIELD COUNTY, CO	Co-ordinate(NE) Reference: Well: 596-34D-14, True North		
Site: MARATHON 596-34D PAD	Vertical (TVD) Reference: SITE 8114.0		
Well: 596-34D-14	Section (VS) Reference: Well (0.00N,0.00E,290.96Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Plan: Plan #2	Date Composed: 2/12/2008
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: GARFIELD COUNTY, CO	
Map System: S State Plane Coordinate System 1983	Map Zone: Colorado, Central Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2007

Site: MARATHON 596-34D PAD			
Site Position:	Northing: 1642246.07 ft	Latitude: 39 34 0.828 N	
From: Map	Easting: 2253825.33 ft	Longitude: 108 8 49.871 W	
Position Uncertainty: 0.00 ft		North Reference: True	
Ground Level: 8090.00 ft		Grid Convergence: -1.67 deg	

Well: 596-34D-14	Slot Name:
Well Position: +N/-S -39.47 ft	Northing: 1642207.63 ft
+E/-W -34.63 ft	Easting: 2253789.56 ft
Position Uncertainty: 0.00 ft	Latitude: 39 34 0.438 N
	Longitude: 108 8 50.314 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 3/4/2008	Above System Datum: Mean Sea Level
Field Strength: 52642 nT	Declination: 10.88 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 65.87 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00
	0.00
	290.96

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	290.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	290.96	300.00	0.00	0.00	0.00	0.00	0.00	290.96	
1262.14	19.24	290.96	1244.15	57.25	-149.47	2.00	2.00	0.00	290.96	
5076.80	19.24	290.96	4845.69	506.90	-1323.51	0.00	0.00	0.00	0.00	
7001.08	0.00	290.96	6734.00	621.39	-1622.44	1.00	-1.00	0.00	180.00	
10461.08	0.00	290.96	10194.00	621.39	-1622.44	0.00	0.00	0.00	290.96	PBHL 14

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
0.00	0.00	290.96	0.00	0.00	0.00	0.00	0.00	1642207.63	2253789.56	
100.00	0.00	290.96	100.00	0.00	0.00	0.00	0.00	1642207.63	2253789.56	
200.00	0.00	290.96	200.00	0.00	0.00	0.00	0.00	1642207.63	2253789.56	
300.00	0.00	290.96	300.00	0.00	0.00	0.00	0.00	1642207.63	2253789.56	KOP
400.00	2.00	290.96	399.98	0.62	-1.63	1.75	2.00	1642208.30	2253787.95	
500.00	4.00	290.96	499.84	2.50	-6.52	6.98	2.00	1642210.31	2253783.12	
600.00	6.00	290.96	599.45	5.61	-14.66	15.69	2.00	1642213.67	2253775.07	
700.00	8.00	290.96	698.70	9.97	-26.04	27.88	2.00	1642218.36	2253763.83	
800.00	10.00	290.96	797.47	15.57	-40.64	43.52	2.00	1642224.37	2253749.39	
900.00	12.00	290.96	895.62	22.39	-58.46	62.60	2.00	1642231.71	2253731.78	
1000.00	14.00	290.96	993.06	30.44	-79.47	85.10	2.00	1642240.37	2253711.01	
1100.00	16.00	290.96	1089.64	39.69	-103.64	110.98	2.00	1642250.33	2253687.12	
1200.00	18.00	290.96	1185.27	50.15	-130.94	140.21	2.00	1642261.57	2253660.14	
1262.14	19.24	290.96	1244.15	57.25	-149.47	160.05	2.00	1642269.21	2253641.82	HOLD
1300.00	19.24	290.96	1279.90	61.71	-161.12	172.53	0.00	1642274.01	2253630.31	

Company: MARATHON OIL COMPANY	Date: 3/4/2008	Time: 09:58:01	Page: 2
Field: GARFIELD COUNTY, CO	Co-ordinate(NE) Reference: Well: 596-34D-14, True North		
Site: MARATHON 596-34D PAD	Vertical (TVD) Reference: SITE 8114.0		
Well: 596-34D-14	Section (VS) Reference: Well (0.00N,0.00E,290.96Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
1400.00	19.24	290.96	1374.31	73.50	-191.90	205.49	0.00	1642286.69	2253599.89	
1500.00	19.24	290.96	1468.73	85.28	-222.67	238.45	0.00	1642299.37	2253569.47	
1600.00	19.24	290.96	1563.14	97.07	-253.45	271.40	0.00	1642312.04	2253539.05	
1700.00	19.24	290.96	1657.55	108.86	-284.23	304.36	0.00	1642324.72	2253508.62	
1800.00	19.24	290.96	1751.96	120.65	-315.00	337.32	0.00	1642337.40	2253478.20	
1900.00	19.24	290.96	1846.38	132.43	-345.78	370.28	0.00	1642350.08	2253447.78	
2000.00	19.24	290.96	1940.79	144.22	-376.56	403.23	0.00	1642362.76	2253417.36	
2100.00	19.24	290.96	2035.20	156.01	-407.34	436.19	0.00	1642375.44	2253386.94	
2200.00	19.24	290.96	2129.62	167.80	-438.11	469.15	0.00	1642388.12	2253356.52	
2300.00	19.24	290.96	2224.03	179.58	-468.89	502.10	0.00	1642400.80	2253326.10	
2400.00	19.24	290.96	2318.44	191.37	-499.67	535.06	0.00	1642413.48	2253295.68	
2500.00	19.24	290.96	2412.86	203.16	-530.44	568.02	0.00	1642426.16	2253265.26	
2592.30	19.24	290.96	2500.00	214.04	-558.85	598.44	0.00	1642437.86	2253237.18	9 5/8"
2600.00	19.24	290.96	2507.27	214.95	-561.22	600.98	0.00	1642438.84	2253234.84	
2700.00	19.24	290.96	2601.68	226.73	-592.00	633.93	0.00	1642451.52	2253204.42	
2800.00	19.24	290.96	2696.09	238.52	-622.78	666.89	0.00	1642464.20	2253174.00	
2900.00	19.24	290.96	2790.51	250.31	-653.55	699.85	0.00	1642476.88	2253143.58	
3000.00	19.24	290.96	2884.92	262.10	-684.33	732.80	0.00	1642489.56	2253113.16	
3100.00	19.24	290.96	2979.33	273.89	-715.11	765.76	0.00	1642502.23	2253082.74	
3200.00	19.24	290.96	3073.75	285.67	-745.88	798.72	0.00	1642514.91	2253052.32	
3300.00	19.24	290.96	3168.16	297.46	-776.66	831.68	0.00	1642527.59	2253021.90	
3400.00	19.24	290.96	3262.57	309.25	-807.44	864.63	0.00	1642540.27	2252991.47	
3500.00	19.24	290.96	3356.99	321.04	-838.22	897.59	0.00	1642552.95	2252961.05	
3600.00	19.24	290.96	3451.40	332.82	-868.99	930.55	0.00	1642565.63	2252930.63	
3700.00	19.24	290.96	3545.81	344.61	-899.77	963.51	0.00	1642578.31	2252900.21	
3800.00	19.24	290.96	3640.23	356.40	-930.55	996.46	0.00	1642590.99	2252869.79	
3900.00	19.24	290.96	3734.64	368.19	-961.32	1029.42	0.00	1642603.67	2252839.37	
4000.00	19.24	290.96	3829.05	379.97	-992.10	1062.38	0.00	1642616.35	2252808.95	
4100.00	19.24	290.96	3923.46	391.76	-1022.88	1095.33	0.00	1642629.03	2252778.53	
4200.00	19.24	290.96	4017.88	403.55	-1053.66	1128.29	0.00	1642641.71	2252748.11	
4300.00	19.24	290.96	4112.29	415.34	-1084.43	1161.25	0.00	1642654.39	2252717.69	
4400.00	19.24	290.96	4206.70	427.12	-1115.21	1194.21	0.00	1642667.07	2252687.27	
4500.00	19.24	290.96	4301.12	438.91	-1145.99	1227.16	0.00	1642679.75	2252656.85	
4600.00	19.24	290.96	4395.53	450.70	-1176.76	1260.12	0.00	1642692.42	2252626.43	
4700.00	19.24	290.96	4489.94	462.49	-1207.54	1293.08	0.00	1642705.10	2252596.01	
4800.00	19.24	290.96	4584.36	474.27	-1238.32	1326.03	0.00	1642717.78	2252565.59	
4900.00	19.24	290.96	4678.77	486.06	-1269.10	1358.99	0.00	1642730.46	2252535.17	
5000.00	19.24	290.96	4773.18	497.85	-1299.87	1391.95	0.00	1642743.14	2252504.75	
5076.80	19.24	290.96	4845.69	506.90	-1323.51	1417.26	0.00	1642752.88	2252481.38	DROP
5095.12	19.06	290.96	4863.00	509.05	-1329.12	1423.27	1.00	1642755.19	2252475.83	Wasatch G
5100.00	19.01	290.96	4867.61	509.62	-1330.61	1424.86	1.00	1642755.80	2252474.37	
5200.00	18.01	290.96	4962.44	520.98	-1360.26	1456.61	1.00	1642768.02	2252445.06	
5300.00	17.01	290.96	5057.80	531.74	-1388.35	1486.70	1.00	1642779.59	2252417.29	
5400.00	16.01	290.96	5153.68	541.90	-1414.89	1515.12	1.00	1642790.53	2252391.06	
5500.00	15.01	290.96	5250.03	551.47	-1439.87	1541.86	1.00	1642800.82	2252366.37	
5501.00	15.00	290.96	5251.00	551.56	-1440.11	1542.12	1.00	1642800.92	2252366.13	Fort Union
5600.00	14.01	290.96	5346.84	560.43	-1463.26	1566.91	1.00	1642810.45	2252343.25	
5700.00	13.01	290.96	5444.07	568.78	-1485.08	1590.28	1.00	1642819.44	2252321.68	
5800.00	12.01	290.96	5541.70	576.53	-1505.31	1611.94	1.00	1642827.78	2252301.69	
5900.00	11.01	290.96	5639.68	583.67	-1523.95	1631.89	1.00	1642835.45	2252283.27	
6000.00	10.01	290.96	5738.00	590.19	-1540.98	1650.14	1.00	1642842.47	2252266.43	
6100.00	9.01	290.96	5836.63	596.10	-1556.41	1666.66	1.00	1642848.83	2252251.18	
6200.00	8.01	290.96	5935.53	601.40	-1570.23	1681.46	1.00	1642854.52	2252237.52	

Company: MARATHON OIL COMPANY Field: GARFIELD COUNTY, CO Site: MARATHON 596-34D PAD Well: 596-34D-14 Wellpath: 1	Date: 3/4/2008 Time: 09:58:01 Page: 4 Co-ordinate(NE) Reference: Well: 596-34D-14, True North Vertical (TVD) Reference: SITE 8114.0 Section (VS) Reference: Well (0.00N,0.00E,290.96Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2592.30	2500.00	9.625	12.250	9 5/8"

Annotation

MD ft	TVD ft	
300.00	300.00	KOP
1262.14	1244.15	HOLD
5076.80	4845.69	DROP
7001.08	6734.00	HOLD
10461.08	10194.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5095.12	4863.00	Wasatch G		0.00	0.00
5501.00	5251.00	Fort Union		0.00	0.00
7001.08	6734.00	Mesaverde Top		0.00	0.00
9810.08	9543.00	Cameo Top		0.00	0.00
10311.08	10044.00	Rollins		0.00	0.00

Company:	MARATHON OIL COMPANY	Date:	2/26/2008	Time:	10:26:24	Page:	1
Field:	GARFIELD COUNTY, CO	Co-ordinate(NE) Reference:		Well: 596-34D-14, True North			
Reference Site:	MARATHON 596-34D PAD	Vertical (TVD) Reference:		SITE 8134.0			
Reference Well:	596-34D-14						
Reference Wellpath:		Db: Sybase					

NO GLOBAL SCAN: Using user defined selection & scan criteria		Reference:	Plan: Plan #1
Interpolation Method:	MD	Error Model:	ISCWSA Ellipse
Interval:	100.00 ft	Scan Method:	Closest Approach 3D
Depth Range:	0.00 to 10461.08 ft	Error Surface:	Ellipse
Maximum Radius:	0000.00 ft		

Plan:	Plan #1	Date Composed:	2/12/2008
Principal:	Yes	Version:	1
		Tied-to:	From Surface

Summary

<----- Offset Wellpath ----->	Reference	Offset	Ctr-Ctr	Edge	Separation	Warning
Site	MD	MD	Distance	Distance	Factor	
Well	ft	ft	ft	ft		
MARATHON 596-34D-12	5100.00	5070.13	459.82	399.84	7.67	
MARATHON 596-34D-16	500.00	499.34	12.42	10.43	6.26	

Site: MARATHON 596-34D PAD
Well: 596-34D-12
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	0.00	0.00	0.00	0.00	41.28	16.91	14.84	22.50			No Data
100.00	100.00	100.00	100.00	0.09	0.09	41.28	16.91	14.84	22.50	22.33	131.72	
200.00	200.00	200.00	200.00	0.31	0.31	41.28	16.91	14.84	22.50	21.88	36.24	
300.00	300.00	300.00	299.97	0.53	0.54	35.72	18.23	13.11	22.46	21.38	20.88	
400.00	399.98	399.75	399.50	0.76	0.77	92.91	22.19	7.93	23.59	22.06	15.35	
500.00	499.84	499.21	498.36	0.99	1.04	81.43	28.75	-0.66	26.94	24.90	13.22	
600.00	599.45	598.31	596.30	1.24	1.36	72.23	37.86	-12.60	32.47	29.89	12.58	
700.00	698.70	696.99	693.11	1.52	1.73	65.63	49.48	-27.82	39.94	36.77	12.60	
800.00	797.47	795.21	788.55	1.84	2.17	61.13	63.55	-46.25	49.13	45.31	12.87	
900.00	895.62	892.92	882.41	2.21	2.69	58.10	79.99	-67.78	59.83	55.30	13.22	
1000.00	993.06	990.06	974.50	2.64	3.28	56.05	98.73	-92.33	71.93	66.62	13.55	
1100.00	1089.64	1089.02	1067.48	3.12	3.93	55.35	119.30	-119.27	84.10	77.91	13.57	
1200.00	1185.27	1188.46	1160.89	3.67	4.60	56.54	139.99	-146.37	94.36	87.14	13.06	
1300.00	1279.90	1287.99	1254.39	4.29	5.27	59.07	160.70	-173.49	102.97	94.57	12.26	
1400.00	1374.31	1387.52	1347.88	4.93	5.96	61.59	181.41	-200.61	111.44	101.79	11.55	
1500.00	1468.73	1487.05	1441.38	5.58	6.64	63.74	202.11	-227.74	120.09	109.16	10.99	
1600.00	1563.14	1586.58	1534.88	6.24	7.33	65.61	222.82	-254.86	128.89	116.66	10.53	
1700.00	1657.55	1686.11	1628.38	6.90	8.02	67.24	243.53	-281.98	137.81	124.25	10.17	
1800.00	1751.96	1785.64	1721.88	7.57	8.72	68.66	264.23	-309.10	146.83	131.93	9.86	
1900.00	1846.38	1885.17	1815.37	8.24	9.41	69.93	284.94	-336.22	155.92	139.68	9.60	
2000.00	1940.79	1984.70	1908.87	8.91	10.11	71.05	305.65	-363.35	165.08	147.49	9.38	
2100.00	2035.20	2084.23	2002.37	9.58	10.80	72.05	326.36	-390.47	174.30	155.35	9.20	
2200.00	2129.62	2183.76	2095.87	10.26	11.50	72.96	347.06	-417.59	183.57	163.25	9.04	
2300.00	2224.03	2283.29	2189.36	10.93	12.19	73.77	367.77	-444.71	192.87	171.20	8.90	
2400.00	2318.44	2382.82	2282.86	11.61	12.89	74.52	388.48	-471.84	202.22	179.18	8.78	
2500.00	2412.86	2482.35	2376.36	12.29	13.59	75.19	409.19	-498.96	211.59	187.18	8.67	
2600.00	2507.27	2581.88	2469.86	12.97	14.29	75.81	429.89	-526.08	220.99	195.22	8.57	
2700.00	2601.68	2681.41	2563.36	13.65	14.98	76.38	450.60	-553.20	230.41	203.27	8.49	
2800.00	2696.09	2780.94	2656.85	14.33	15.68	76.90	471.31	-580.33	239.86	211.35	8.41	
2900.00	2790.51	2880.47	2750.35	15.01	16.38	77.39	492.01	-607.45	249.32	219.44	8.34	
3000.00	2884.92	2980.00	2843.85	15.69	17.08	77.83	512.72	-634.57	258.80	227.55	8.28	
3100.00	2979.33	3079.53	2937.35	16.37	17.78	78.25	533.43	-661.69	268.29	235.67	8.23	
3200.00	3073.75	3179.06	3030.84	17.05	18.47	78.64	554.14	-688.82	277.79	243.81	8.17	
3300.00	3168.16	3278.59	3124.34	17.73	19.17	79.00	574.84	-715.94	287.31	251.96	8.13	
3400.00	3262.57	3378.12	3217.84	18.41	19.87	79.34	595.55	-743.06	296.84	260.12	8.08	
3500.00	3356.99	3477.65	3311.34	19.09	20.57	79.66	616.26	-770.18	306.38	268.29	8.04	

Company:	MARATHON OIL COMPANY	Date:	2/26/2008	Time:	10:26:24	Page:	2
Field:	GARFIELD COUNTY, CO						
Reference Site:	MARATHON 596-34D PAD	Co-ordinate(NE) Reference: Well: 596-34D-14, True North					
Reference Well:	596-34D-14	Vertical (TVD) Reference: SITE 8134.0					
Reference Wellpath:		Db: Sybase					

Site: MARATHON 596-34D PAD
Well: 596-34D-12
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Distance ft	Ctr-Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
3600.00	3451.40	3577.18	3404.84	19.78	21.27	79.96	636.96	-797.30	315.93	276.47	8.01	
3700.00	3545.81	3676.71	3498.33	20.46	21.97	80.24	657.67	-824.43	325.48	284.65	7.97	
3800.00	3640.23	3776.24	3591.83	21.14	22.67	80.50	678.38	-851.55	335.04	292.84	7.94	
3900.00	3734.64	3875.77	3685.33	21.82	23.37	80.75	699.09	-878.67	344.61	301.04	7.91	
4000.00	3829.05	3975.30	3778.83	22.51	24.07	80.99	719.79	-905.79	354.19	309.25	7.88	
4100.00	3923.46	4074.83	3872.32	23.19	24.77	81.22	740.50	-932.92	363.77	317.46	7.86	
4200.00	4017.88	4174.36	3965.82	23.87	25.47	81.43	761.21	-960.04	373.36	325.68	7.83	
4300.00	4112.29	4273.89	4059.32	24.55	26.17	81.63	781.92	-987.16	382.95	333.90	7.81	
4400.00	4206.70	4373.42	4152.82	25.24	26.87	81.82	802.62	-1014.28	392.54	342.13	7.79	
4500.00	4301.12	4472.95	4246.32	25.92	27.56	82.01	823.33	-1041.41	402.14	350.36	7.77	
4600.00	4395.53	4572.48	4339.81	26.60	28.26	82.18	844.04	-1068.53	411.75	358.59	7.75	
4700.00	4489.94	4672.01	4433.31	27.29	28.96	82.35	864.74	-1095.65	421.35	366.83	7.73	
4800.00	4584.36	4771.54	4526.81	27.97	29.66	82.51	885.45	-1122.77	430.96	375.07	7.71	
4900.00	4678.77	4871.07	4620.31	28.65	30.36	82.66	906.16	-1149.90	440.58	383.32	7.69	
5000.00	4773.18	4970.60	4713.80	29.34	31.06	82.81	926.87	-1177.02	450.19	391.57	7.68	
5100.00	4867.61	5070.13	4807.30	30.00	31.76	82.96	947.57	-1204.14	459.82	399.84	7.67	
5200.00	4962.44	5169.65	4900.79	30.52	32.46	83.04	968.28	-1231.26	469.60	408.44	7.68	
5300.00	5057.80	5269.13	4994.24	31.03	33.16	82.91	988.98	-1258.37	479.59	417.31	7.70	
5400.00	5153.68	5368.54	5087.63	31.50	33.86	82.59	1009.66	-1285.46	489.81	426.49	7.74	
5500.00	5250.03	5467.86	5180.92	31.96	34.56	82.09	1030.32	-1312.52	500.29	435.99	7.78	
5600.00	5346.84	5567.04	5274.09	32.38	35.26	81.43	1050.95	-1339.55	511.09	445.88	7.84	
5700.00	5444.07	5666.06	5367.11	32.79	35.95	80.61	1071.56	-1366.53	522.26	456.23	7.91	
5800.00	5541.70	5764.89	5459.95	33.17	36.65	79.65	1092.12	-1393.46	533.87	467.10	8.00	
5900.00	5639.68	5863.50	5552.59	33.52	37.34	78.57	1112.63	-1420.34	546.01	478.58	8.10	
6000.00	5738.00	5961.87	5644.99	33.85	38.03	77.37	1133.10	-1447.14	558.75	490.77	8.22	
6100.00	5836.63	6059.95	5737.12	34.16	38.72	76.08	1153.50	-1473.87	572.20	503.76	8.36	
6200.00	5935.53	6164.72	5835.79	34.44	39.40	74.64	1174.89	-1501.87	586.10	517.31	8.52	
6300.00	6034.67	6275.33	5941.19	34.69	39.97	73.32	1195.24	-1528.53	598.97	529.92	8.67	
6400.00	6134.02	6387.12	6048.95	34.92	40.47	72.20	1213.28	-1552.17	610.49	541.24	8.82	
6500.00	6233.56	6499.97	6158.82	35.13	40.90	71.27	1228.90	-1572.62	620.55	551.12	8.94	
6600.00	6333.25	6613.74	6270.51	35.31	41.27	70.50	1241.97	-1589.74	629.04	559.46	9.04	
6700.00	6433.06	6728.26	6383.73	35.47	41.58	69.90	1252.40	-1603.40	635.86	566.15	9.12	
6800.00	6532.96	6843.37	6498.13	35.60	41.82	69.46	1260.11	-1613.49	640.95	571.12	9.18	
6900.00	6632.92	6958.91	6613.37	35.71	42.01	69.17	1265.03	-1619.95	644.26	574.34	9.21	
7000.00	6732.92	7074.69	6729.10	35.80	42.13	69.02	1267.13	-1622.70	645.75	575.75	9.22	
7100.00	6832.92	7178.51	6832.92	35.88	42.21	-0.03	1267.22	-1622.81	645.82	607.10	16.68	
7200.00	6932.92	7278.51	6932.92	35.97	42.28	-0.03	1267.22	-1622.81	645.82	606.78	16.54	
7300.00	7032.92	7378.51	7032.92	36.06	42.36	-0.03	1267.22	-1622.81	645.82	606.46	16.40	
7400.00	7132.92	7478.51	7132.92	36.15	42.44	-0.03	1267.22	-1622.81	645.82	606.13	16.27	
7500.00	7232.92	7578.51	7232.92	36.24	42.51	-0.03	1267.22	-1622.81	645.82	605.80	16.14	
7600.00	7332.92	7678.51	7332.92	36.34	42.59	-0.03	1267.22	-1622.81	645.82	605.47	16.01	
7700.00	7432.92	7778.51	7432.92	36.43	42.68	-0.03	1267.22	-1622.81	645.82	605.14	15.87	
7800.00	7532.92	7878.51	7532.92	36.52	42.76	-0.03	1267.22	-1622.81	645.82	604.81	15.75	
7900.00	7632.92	7978.51	7632.92	36.62	42.84	-0.03	1267.22	-1622.81	645.82	604.47	15.62	
8000.00	7732.92	8078.51	7732.92	36.72	42.93	-0.03	1267.22	-1622.81	645.82	604.13	15.49	
8100.00	7832.92	8178.51	7832.92	36.82	43.01	-0.03	1267.22	-1622.81	645.82	603.79	15.36	
8200.00	7932.92	8278.51	7932.92	36.92	43.10	-0.03	1267.22	-1622.81	645.82	603.45	15.24	
8300.00	8032.92	8378.51	8032.92	37.02	43.18	-0.03	1267.22	-1622.81	645.82	603.10	15.12	
8400.00	8132.92	8478.51	8132.92	37.12	43.27	-0.03	1267.22	-1622.81	645.82	602.76	15.00	
8500.00	8232.92	8578.51	8232.92	37.22	43.36	-0.03	1267.22	-1622.81	645.82	602.41	14.87	
8600.00	8332.92	8678.51	8332.92	37.32	43.45	-0.03	1267.22	-1622.81	645.82	602.06	14.76	

Company:	MARATHON OIL COMPANY	Date:	2/26/2008	Time:	10:26:24	Page:	3
Field:	GARFIELD COUNTY, CO	Co-ordinate(NE) Reference:		Well: 596-34D-14, True North			
Reference Site:	MARATHON 596-34D PAD	Vertical (TVD) Reference:		SITE 8134.0			
Reference Well:	596-34D-14						
Reference Wellpath:		Db: Sybase					

Site: MARATHON 596-34D PAD
Well: 596-34D-12
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8700.00	8432.92	8778.51	8432.92	37.43	43.54	-0.03	1267.22	-1622.81	645.82	601.70	14.64	
8800.00	8532.92	8878.51	8532.92	37.54	43.63	-0.03	1267.22	-1622.81	645.82	601.35	14.52	
8900.00	8632.92	8978.51	8632.92	37.64	43.73	-0.03	1267.22	-1622.81	645.82	600.99	14.41	
9000.00	8732.92	9078.51	8732.92	37.75	43.82	-0.03	1267.22	-1622.81	645.82	600.64	14.29	
9100.00	8832.92	9178.51	8832.92	37.86	43.92	-0.03	1267.22	-1622.81	645.82	600.28	14.18	
9200.00	8932.92	9278.51	8932.92	37.97	44.01	-0.03	1267.22	-1622.81	645.82	599.92	14.07	
9300.00	9032.92	9378.51	9032.92	38.08	44.11	-0.03	1267.22	-1622.81	645.82	599.56	13.96	
9400.00	9132.92	9478.51	9132.92	38.19	44.21	-0.03	1267.22	-1622.81	645.82	599.19	13.85	
9500.00	9232.92	9578.51	9232.92	38.31	44.30	-0.03	1267.22	-1622.81	645.82	598.83	13.74	
9600.00	9332.92	9678.51	9332.92	38.42	44.40	-0.03	1267.22	-1622.81	645.82	598.46	13.64	
9700.00	9432.92	9778.51	9432.92	38.53	44.50	-0.03	1267.22	-1622.81	645.82	598.09	13.53	
9800.00	9532.92	9878.51	9532.92	38.65	44.61	-0.03	1267.22	-1622.81	645.82	597.72	13.43	
9900.00	9632.92	9978.51	9632.92	38.77	44.71	-0.03	1267.22	-1622.81	645.82	597.35	13.32	
10000.00	9732.92	10078.51	9732.92	38.89	44.81	-0.03	1267.22	-1622.81	645.82	596.98	13.22	
10100.00	9832.92	10178.51	9832.92	39.00	44.92	-0.03	1267.22	-1622.81	645.82	596.61	13.12	
10200.00	9932.92	10278.51	9932.92	39.12	45.02	-0.03	1267.22	-1622.81	645.82	596.23	13.02	
10300.00	10032.92	10378.51	10032.92	39.24	45.13	-0.03	1267.22	-1622.81	645.82	595.86	12.92	
10400.00	10132.92	10478.51	10132.92	39.37	45.23	-0.03	1267.22	-1622.81	645.82	595.48	12.83	
10461.08	10194.00	10539.59	10194.00	39.44	45.30	-0.03	1267.22	-1622.81	645.82	595.25	12.77	

Site: MARATHON 596-34D PAD
Well: 596-34D-16
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	0.00	0.00	0.00	0.00	221.28	-5.64	-4.95	7.50	7.33	43.91	No Data
100.00	100.00	100.00	100.00	0.09	0.09	221.28	-5.64	-4.95	7.50	6.88	12.09	
200.00	200.00	200.00	200.00	0.31	0.31	221.28	-5.64	-4.95	7.50	6.88	12.09	
300.00	300.00	299.91	299.91	0.53	0.54	223.66	-5.64	-5.38	7.80	6.73	7.29	
400.00	399.98	399.67	399.60	0.76	0.76	298.06	-5.67	-8.86	9.59	8.07	6.30	
500.00	499.84	499.34	499.02	0.99	1.01	297.69	-5.72	-15.79	12.42	10.43	6.26	
600.00	599.45	598.89	598.03	1.24	1.27	294.66	-5.80	-26.17	16.27	13.80	6.58	
700.00	698.70	698.31	696.49	1.52	1.58	290.90	-5.90	-39.95	21.22	18.21	7.04	
800.00	797.47	797.57	794.25	1.84	1.93	287.28	-6.03	-57.12	27.35	23.71	7.51	
900.00	895.62	896.65	891.17	2.21	2.33	284.11	-6.18	-77.62	34.69	30.32	7.94	
1000.00	993.06	995.53	987.14	2.64	2.79	281.44	-6.36	-101.41	43.24	38.03	8.29	
1100.00	1089.64	1094.18	1082.01	3.12	3.31	279.22	-6.56	-128.43	53.03	46.84	8.57	
1200.00	1185.27	1193.25	1176.52	3.67	3.88	276.79	-6.78	-158.13	63.70	56.40	8.73	
1300.00	1279.90	1292.55	1271.19	4.29	4.48	272.68	-7.01	-188.10	74.33	65.80	8.71	
1400.00	1374.31	1391.82	1365.84	4.93	5.08	269.05	-7.23	-218.06	85.28	75.47	8.69	
1500.00	1468.73	1491.09	1460.48	5.58	5.69	266.26	-7.46	-248.02	96.49	85.40	8.70	
1600.00	1563.14	1590.37	1555.12	6.24	6.30	264.05	-7.68	-277.98	107.88	95.51	8.72	
1700.00	1657.55	1689.64	1649.77	6.90	6.91	262.27	-7.90	-307.94	119.40	105.74	8.74	
1800.00	1751.96	1788.91	1744.41	7.57	7.53	260.80	-8.13	-337.91	131.01	116.08	8.77	
1900.00	1846.38	1888.18	1839.05	8.24	8.15	259.57	-8.35	-367.87	142.70	126.48	8.80	
2000.00	1940.79	1987.46	1933.70	8.91	8.77	258.53	-8.58	-397.83	154.43	136.94	8.83	
2100.00	2035.20	2086.73	2028.34	9.58	9.39	257.63	-8.80	-427.79	166.22	147.44	8.85	
2200.00	2129.62	2186.00	2122.98	10.26	10.01	256.85	-9.03	-457.75	178.03	157.98	8.88	
2300.00	2224.03	2285.27	2217.62	10.93	10.64	256.17	-9.25	-487.71	189.88	168.55	8.90	
2400.00	2318.44	2384.54	2312.27	11.61	11.26	255.57	-9.47	-517.67	201.75	179.15	8.93	

Company:	MARATHON OIL COMPANY	Date:	2/26/2008	Time:	10:26:24	Page:	4
Field:	GARFIELD COUNTY, CO						
Reference Site:	MARATHON 596-34D PAD	Co-ordinate(NE) Reference:		Well: 596-34D-14, True North			
Reference Well:	596-34D-14	Vertical (TVD) Reference:		SITE 8134.0			
Reference Wellpath:		Db: Sybase					

Site: MARATHON 596-34D PAD
Well: 596-34D-16
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
2500.00	2412.86	2483.82	2406.91	12.29	11.88	255.04	-9.70	-547.63	213.63	189.76	8.95	
2600.00	2507.27	2583.09	2501.55	12.97	12.51	254.56	-9.92	-577.59	225.54	200.39	8.97	
2700.00	2601.68	2682.36	2596.20	13.65	13.13	254.13	-10.15	-607.55	237.45	211.03	8.99	
2800.00	2696.09	2781.63	2690.84	14.33	13.76	253.74	-10.37	-637.51	249.38	221.69	9.00	
2900.00	2790.51	2880.91	2785.48	15.01	14.38	253.39	-10.59	-667.48	261.32	232.35	9.02	
3000.00	2884.92	2980.18	2880.12	15.69	15.01	253.07	-10.82	-697.44	273.27	243.03	9.04	
3100.00	2979.33	3079.45	2974.77	16.37	15.64	252.77	-11.04	-727.40	285.23	253.71	9.05	
3200.00	3073.75	3178.72	3069.41	17.05	16.26	252.50	-11.27	-757.36	297.19	264.40	9.06	
3300.00	3168.16	3278.00	3164.05	17.73	16.89	252.25	-11.49	-787.32	309.16	275.10	9.08	
3400.00	3262.57	3377.27	3258.70	18.41	17.52	252.02	-11.72	-817.28	321.14	285.80	9.09	
3500.00	3356.99	3476.54	3353.34	19.09	18.14	251.80	-11.94	-847.24	333.12	296.51	9.10	
3600.00	3451.40	3575.81	3447.98	19.78	18.77	251.60	-12.16	-877.20	345.10	307.22	9.11	
3700.00	3545.81	3675.08	3542.63	20.46	19.40	251.42	-12.39	-907.16	357.09	317.94	9.12	
3800.00	3640.23	3774.36	3637.27	21.14	20.03	251.24	-12.61	-937.12	369.08	328.65	9.13	
3900.00	3734.64	3873.63	3731.91	21.82	20.65	251.08	-12.84	-967.09	381.08	339.38	9.14	
4000.00	3829.05	3972.90	3826.55	22.51	21.28	250.92	-13.06	-997.05	393.07	350.10	9.15	
4100.00	3923.46	4072.17	3921.20	23.19	21.91	250.78	-13.29	-1027.01	405.07	360.83	9.16	
4200.00	4017.88	4171.45	4015.84	23.87	22.54	250.64	-13.51	-1056.97	417.08	371.56	9.16	
4300.00	4112.29	4270.72	4110.48	24.55	23.16	250.51	-13.73	-1086.93	429.08	382.29	9.17	
4400.00	4206.70	4369.99	4205.13	25.24	23.79	250.39	-13.96	-1116.89	441.09	393.03	9.18	
4500.00	4301.12	4469.26	4299.77	25.92	24.42	250.28	-14.18	-1146.85	453.10	403.77	9.18	
4600.00	4395.53	4568.54	4394.41	26.60	25.05	250.17	-14.41	-1176.81	465.11	414.50	9.19	
4700.00	4489.94	4667.81	4489.06	27.29	25.67	250.06	-14.63	-1206.77	477.12	425.24	9.20	
4800.00	4584.36	4767.08	4583.70	27.97	26.30	249.97	-14.86	-1236.73	489.13	435.99	9.20	
4900.00	4678.77	4866.35	4678.34	28.65	26.93	249.87	-15.08	-1266.69	501.15	446.73	9.21	
5000.00	4773.18	4965.63	4772.98	29.34	27.56	249.78	-15.30	-1296.66	513.16	457.47	9.21	
5100.00	4867.61	5064.90	4867.63	30.00	28.19	249.68	-15.53	-1326.62	525.16	468.22	9.22	
5200.00	4962.44	5164.23	4962.32	30.52	28.82	249.61	-15.75	-1356.59	536.74	478.68	9.24	
5300.00	5057.80	5263.63	5057.26	31.03	29.33	249.67	-15.97	-1386.06	547.72	488.66	9.28	
5400.00	5153.68	5363.12	5152.77	31.50	29.79	249.72	-16.18	-1413.93	558.09	498.12	9.31	
5500.00	5250.03	5462.71	5248.83	31.96	30.22	249.76	-16.38	-1440.16	567.85	507.01	9.33	
5600.00	5346.84	5562.37	5345.42	32.38	30.63	249.79	-16.56	-1464.74	576.99	515.33	9.36	
5700.00	5444.07	5662.12	5442.50	32.79	31.02	249.82	-16.73	-1487.65	585.53	523.09	9.38	
5800.00	5541.70	5761.93	5540.03	33.17	31.39	249.83	-16.89	-1508.88	593.44	530.27	9.40	
5900.00	5639.68	5861.81	5637.98	33.52	31.73	249.85	-17.04	-1528.42	600.73	536.88	9.41	
6000.00	5738.00	5961.76	5736.31	33.85	32.05	249.85	-17.17	-1546.26	607.39	542.91	9.42	
6100.00	5836.63	6061.75	5834.99	34.16	32.35	249.86	-17.29	-1562.40	613.43	548.37	9.43	
6200.00	5935.53	6161.80	5933.99	34.44	32.62	249.85	-17.40	-1576.81	618.83	553.24	9.43	
6300.00	6034.67	6261.88	6033.27	34.69	32.87	249.85	-17.50	-1589.50	623.61	557.52	9.44	
6400.00	6134.02	6362.01	6132.79	34.92	33.09	249.83	-17.58	-1600.46	627.75	561.22	9.44	
6500.00	6233.56	6462.16	6232.52	35.13	33.29	249.82	-17.65	-1609.67	631.26	564.34	9.43	
6600.00	6333.25	6562.34	6332.42	35.31	33.46	249.80	-17.70	-1617.15	634.13	566.86	9.43	
6700.00	6433.06	6662.53	6432.45	35.47	33.62	249.78	-17.75	-1622.88	636.36	568.80	9.42	
6800.00	6532.96	6762.74	6532.57	35.60	33.75	249.75	-17.78	-1626.86	637.95	570.14	9.41	
6900.00	6632.92	6862.95	6632.76	35.71	33.85	249.72	-17.79	-1629.08	638.91	570.89	9.39	
7000.00	6732.92	6963.11	6732.92	35.80	33.94	249.69	-17.80	-1629.60	639.23	586.95	12.23	
7100.00	6832.92	7063.11	6832.92	35.88	34.03	180.64	-17.80	-1629.60	639.23	602.49	17.40	
7200.00	6932.92	7163.11	6932.92	35.97	34.13	180.64	-17.80	-1629.60	639.23	602.15	17.24	
7300.00	7032.92	7263.11	7032.92	36.06	34.23	180.64	-17.80	-1629.60	639.23	601.81	17.08	
7400.00	7132.92	7363.11	7132.92	36.15	34.32	180.64	-17.80	-1629.60	639.23	601.48	16.93	
7500.00	7232.92	7463.11	7232.92	36.24	34.42	180.64	-17.80	-1629.60	639.23	601.13	16.78	

Company:	MARATHON OIL COMPANY	Date:	2/26/2008	Time:	10:26:24	Page:	5
Field:	GARFIELD COUNTY, CO	Co-ordinate(NE) Reference:		Well: 596-34D-14, True North			
Reference Site:	MARATHON 596-34D PAD	Vertical (TVD) Reference:		SITE 8134.0			
Reference Well:	596-34D-14						
Reference Wellpath:		Db: Sybase					

Site: MARATHON 596-34D PAD
Well: 596-34D-16
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
7600.00	7332.92	7563.11	7332.92	36.34	34.52	180.64	-17.80	-1629.60	639.23	600.79	16.63	
7700.00	7432.92	7663.11	7432.92	36.43	34.62	180.64	-17.80	-1629.60	639.23	600.44	16.48	
7800.00	7532.92	7763.11	7532.92	36.52	34.73	180.64	-17.80	-1629.60	639.23	600.10	16.33	
7900.00	7632.92	7863.11	7632.92	36.62	34.83	180.64	-17.80	-1629.60	639.23	599.75	16.19	
8000.00	7732.92	7963.11	7732.92	36.72	34.93	180.64	-17.80	-1629.60	639.23	599.39	16.05	
8100.00	7832.92	8063.11	7832.92	36.82	35.04	180.64	-17.80	-1629.60	639.23	599.04	15.91	
8200.00	7932.92	8163.11	7932.92	36.92	35.15	180.64	-17.80	-1629.60	639.23	598.68	15.77	
8300.00	8032.92	8263.11	8032.92	37.02	35.26	180.64	-17.80	-1629.60	639.23	598.33	15.63	
8400.00	8132.92	8363.11	8132.92	37.12	35.36	180.64	-17.80	-1629.60	639.23	597.97	15.49	
8500.00	8232.92	8463.11	8232.92	37.22	35.47	180.64	-17.80	-1629.60	639.23	597.60	15.36	
8600.00	8332.92	8563.11	8332.92	37.32	35.59	180.64	-17.80	-1629.60	639.23	597.24	15.22	
8700.00	8432.92	8663.11	8432.92	37.43	35.70	180.64	-17.80	-1629.60	639.23	596.88	15.09	
8800.00	8532.92	8763.11	8532.92	37.54	35.81	180.64	-17.80	-1629.60	639.23	596.51	14.96	
8900.00	8632.92	8863.11	8632.92	37.64	35.93	180.64	-17.80	-1629.60	639.23	596.14	14.84	
9000.00	8732.92	8963.11	8732.92	37.75	36.04	180.64	-17.80	-1629.60	639.23	595.77	14.71	
9100.00	8832.92	9063.11	8832.92	37.86	36.16	180.64	-17.80	-1629.60	639.23	595.40	14.59	
9200.00	8932.92	9163.11	8932.92	37.97	36.28	180.64	-17.80	-1629.60	639.23	595.03	14.46	
9300.00	9032.92	9263.11	9032.92	38.08	36.39	180.64	-17.80	-1629.60	639.23	594.66	14.34	
9400.00	9132.92	9363.11	9132.92	38.19	36.51	180.64	-17.80	-1629.60	639.23	594.28	14.22	
9500.00	9232.92	9463.11	9232.92	38.31	36.63	180.64	-17.80	-1629.60	639.23	593.90	14.10	
9600.00	9332.92	9563.11	9332.92	38.42	36.76	180.64	-17.80	-1629.60	639.23	593.53	13.99	
9700.00	9432.92	9663.11	9432.92	38.53	36.88	180.64	-17.80	-1629.60	639.23	593.15	13.87	
9800.00	9532.92	9763.11	9532.92	38.65	37.00	180.64	-17.80	-1629.60	639.23	592.77	13.76	
9900.00	9632.92	9863.11	9632.92	38.77	37.13	180.64	-17.80	-1629.60	639.23	592.38	13.65	
10000.00	9732.92	9963.11	9732.92	38.89	37.25	180.64	-17.80	-1629.60	639.23	592.00	13.54	
10100.00	9832.92	10063.11	9832.92	39.00	37.38	180.64	-17.80	-1629.60	639.23	591.62	13.43	
10200.00	9932.92	10163.11	9932.92	39.12	37.51	180.64	-17.80	-1629.60	639.23	591.23	13.32	
10300.00	10032.92	10263.11	10032.92	39.24	37.63	180.64	-17.80	-1629.60	639.23	590.85	13.21	
10400.00	10132.92	10363.11	10132.92	39.37	37.76	180.64	-17.80	-1629.60	639.23	590.46	13.11	
10461.08	10194.00	10393.20	10163.00	39.44	37.80	180.64	-17.80	-1629.60	639.98	591.03	13.08	