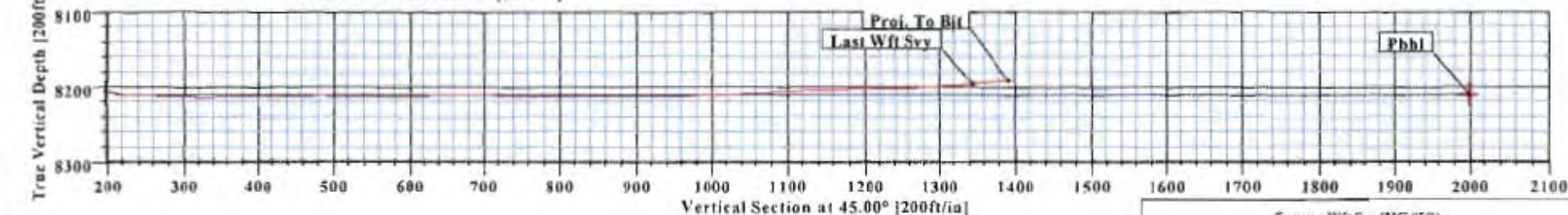
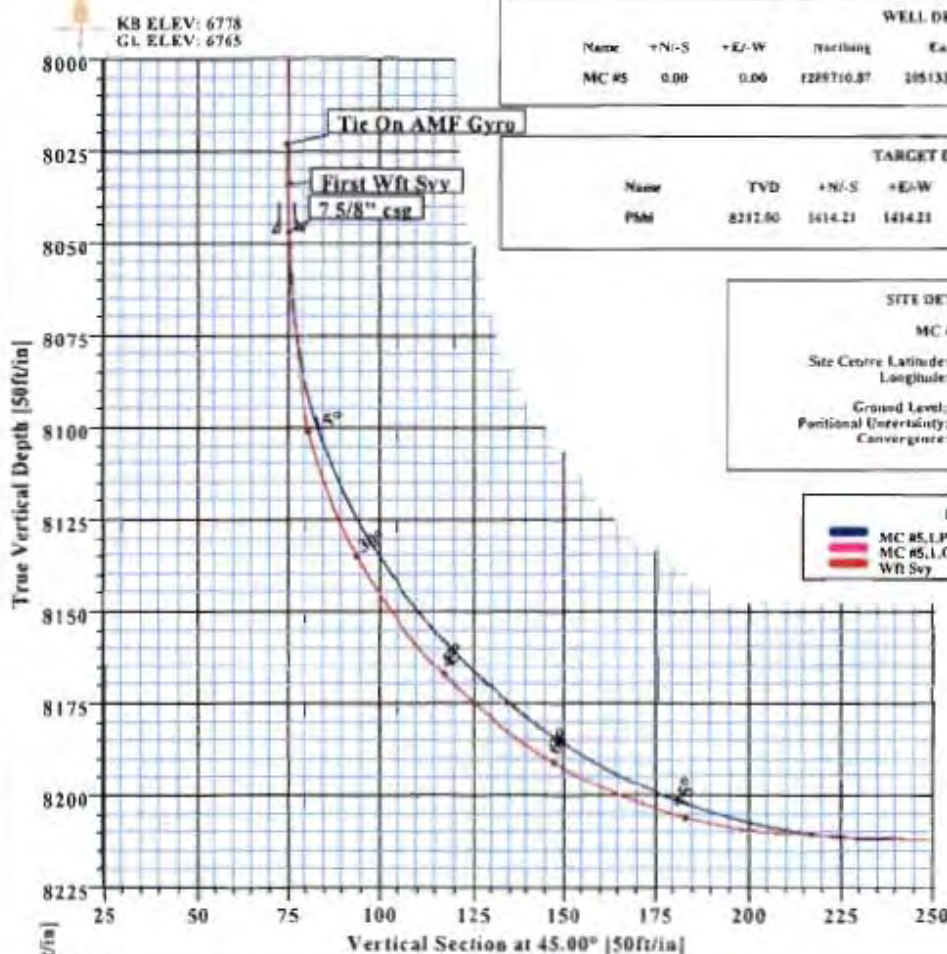


MC #5
Montezuma Co., CO

Survey: Wft Svy (MC #5(1))

No	MD	Inc	At	TVD	+N/-S	+E/-W	D Leg	TFace	VSec
53	9473.00	94.50	42.50	8193.15	963.56	1005.88	0.00	180.09	1392.61

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
MC #5	0.00	0.00	1228710.87	1051333.81	37°25'00.264N	108°46'01.852W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PSM	8212.50	1414.21	1414.21	37°25'14.346N	108°45'44.321W	Point

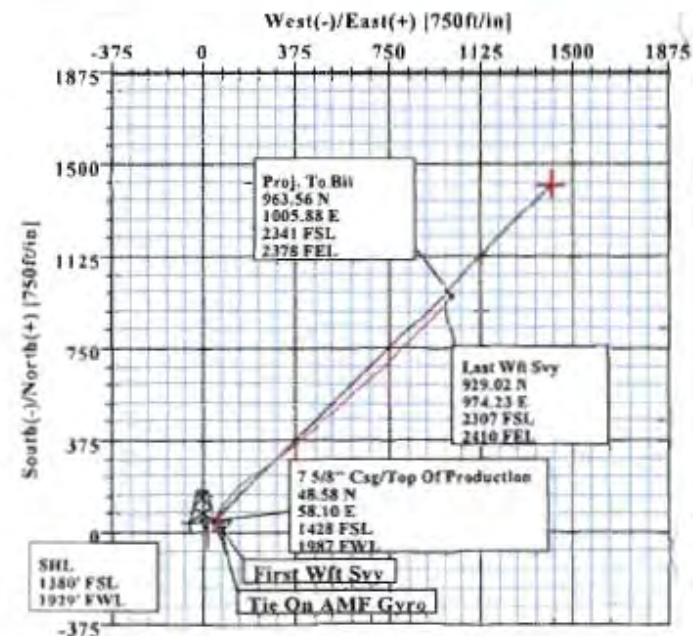
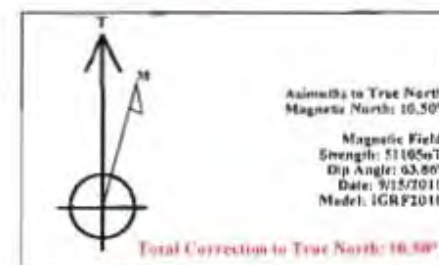
SITE DETAILS
MC #5

Site Centre Latitude: 37°25'00.264N
Longitude: 108°46'01.852W

Ground Level: 6765.00
Positional Uncertainty: 0.00
Convergence: -1.00

LEGEND

- MC #5, L Plan 02
- MC #5, L Gyro
- Wft Svy


Weatherford

Survey: Wft Svy (MC #5(1))
Created By: Russell W. Joyner
Date: 10/14/2010



Company: Kinder Morgan	Date: 10/14/2010	Time: 08:33:04	Page: 1
Field: Montezuma Co., CO (NAD83)	Co-ordinate(NE) Reference:	Well: MC #5, True North	
Site: MC #5	Vertical (TVD) Reference:	SITE 6778.0	
Well: MC #5	Section (VS) Reference:	Well (0.00N,0.00E,45.00Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Wft Svy	Start Date: 9/27/2010
Company: Weatherford International Ltd.	Engineer: Russell W. Joyner
Tool: MWD, MWD - Standard	Tied-to: User Defined

Field: Montezuma Co., CO (NAD83)
Colorado

Map System: US State Plane Coordinate System 1983	Map Zone: Colorado, Southern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: MC #5

Site Position:	Northings: 1289710.87 ft	Latitude: 37 25 0.264 N
From: Geographic	Easting: 2051333.81 ft	Longitude: 108 46 1.852 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6765.00 ft		Grid Convergence: -2.00 deg

Well: MC #5	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 37 25 0.264 N
+E/-W 0.00 ft	Longitude: 108 46 1.852 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 9/15/2010	Above System Datum: Mean Sea Level
Field Strength: 51105 nT	Declination: 10.50 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 63.86 deg
ft	+N/-S ft
0.00	0.00
	+E/-W ft
	Direction deg
	45.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8025.00	2.00	350.88	8022.82	47.56	58.22	0.00	74.80	1289756.37	2051393.65	Tie On AMF Gyro
8036.00	2.05	347.46	8033.82	47.94	58.15	1.19	75.02	1289756.75	2051393.59	First Wft Svy
8049.20	3.51	0.12	8047.00	48.58	58.10	11.95	75.43	1289757.39	2051393.57	7 5/8" csg Top Of
8090.00	8.30	9.78	8087.57	52.73	58.60	11.95	78.72	1289761.52	2051394.21	
8104.00	15.07	20.10	8101.28	55.44	59.40	50.42	81.20	1289764.20	2051395.11	
8119.00	21.75	20.00	8115.50	59.89	61.02	44.53	85.50	1289768.59	2051396.88	
8135.00	27.64	20.64	8130.03	66.15	63.34	36.85	91.57	1289774.77	2051399.43	
8150.00	33.50	24.25	8142.94	73.19	66.27	40.92	98.62	1289781.70	2051402.60	
8167.00	39.23	27.83	8156.63	82.23	70.71	35.93	108.15	1289790.58	2051407.35	
8182.00	45.31	30.00	8167.72	91.05	75.60	41.68	117.84	1289799.22	2051412.54	
8199.00	51.00	34.00	8179.06	101.77	82.32	37.77	130.17	1289809.70	2051419.64	
8214.00	57.69	35.13	8187.80	111.80	89.24	45.02	142.15	1289819.48	2051426.90	
8231.00	63.88	36.25	8196.09	123.84	97.89	36.86	156.79	1289831.22	2051435.97	
8247.00	70.69	38.88	8202.27	135.53	106.89	45.18	171.42	1289842.58	2051445.37	
8262.00	75.73	41.55	8206.60	146.49	116.16	37.67	185.72	1289853.21	2051455.02	
8286.00	86.48	44.60	8210.31	163.77	132.34	46.51	209.38	1289869.92	2051471.79	
8318.00	88.56	49.25	8211.69	185.60	155.68	15.91	241.32	1289890.91	2051495.88	
8350.00	86.75	50.75	8213.00	206.15	180.17	7.34	273.17	1289910.59	2051521.08	
8381.00	88.31	53.50	8214.34	225.16	204.62	10.19	303.90	1289928.74	2051546.17	
8413.00	90.57	52.69	8214.65	244.37	230.20	7.50	335.58	1289947.05	2051572.41	
8445.00	90.44	52.88	8214.37	263.73	255.69	0.72	367.28	1289965.50	2051598.56	
8477.00	90.56	51.25	8214.09	283.40	280.92	5.11	399.04	1289984.27	2051624.47	
8508.00	91.25	51.38	8213.60	302.77	305.12	2.25	429.84	1290002.79	2051649.33	
8540.00	91.69	52.25	8212.78	322.55	330.26	3.05	461.61	1290021.67	2051675.15	



Company: Kinder Morgan
Field: Montezuma Co., CO (NAD83)
Site: MC #5
Well: MC #5
Wellpath: 1

Date: 10/14/2010 Time: 08:33:04 Page: 2
Co-ordinate(NE) Reference: Well: MC #5, True North
Vertical (TVD) Reference: SITE 6778.0
Section (VS) Reference: Well (0.00N,0.00E,45.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8572.00	89.31	51.63	8212.50	342.27	355.46	7.69	493.37	1290040.51	2051701.01	
8604.00	88.81	51.13	8213.03	362.24	380.45	2.21	525.17	1290059.59	2051726.69	
8636.00	89.19	51.00	8213.58	382.35	405.34	1.26	556.98	1290078.81	2051752.27	
8668.00	90.75	50.63	8213.60	402.57	430.14	5.01	588.82	1290098.15	2051777.76	
8699.00	92.24	49.30	8212.79	422.50	453.87	6.44	619.69	1290117.24	2051802.17	
8731.00	91.25	48.38	8211.82	443.55	477.95	4.22	651.60	1290137.44	2051826.97	
8763.00	89.00	47.63	8211.75	464.96	501.73	7.41	683.55	1290158.00	2051851.49	
8795.00	88.25	46.38	8212.52	486.77	525.13	4.55	715.52	1290178.99	2051875.64	
8827.00	88.19	46.13	8213.51	508.89	548.23	0.80	747.50	1290200.28	2051899.50	
8859.00	89.74	45.85	8214.09	531.12	571.25	4.92	779.49	1290221.69	2051923.27	
8891.00	91.19	46.88	8213.83	553.20	594.40	5.56	811.48	1290242.95	2051947.19	
8922.00	90.81	47.63	8213.29	574.24	617.17	2.71	842.45	1290263.18	2051970.68	
8954.00	90.00	48.00	8213.06	595.73	640.88	2.78	874.41	1290283.82	2051995.12	
8985.00	90.31	47.38	8212.98	616.59	663.80	2.24	905.37	1290303.88	2052018.76	
9015.00	90.03	46.60	8212.89	637.06	685.74	2.76	935.36	1290323.56	2052041.40	
9047.00	91.17	46.21	8212.55	659.12	708.91	3.77	967.34	1290344.80	2052065.33	
9067.00	91.44	47.38	8212.10	672.81	723.49	6.00	987.33	1290357.97	2052080.38	
9080.00	91.75	46.63	8211.74	681.67	732.99	6.24	1000.32	1290366.49	2052090.19	
9112.00	92.17	45.51	8210.64	703.86	756.02	3.74	1032.29	1290387.86	2052113.98	
9144.00	92.88	45.38	8209.23	726.29	778.80	2.26	1064.26	1290409.48	2052137.53	
9174.00	93.44	45.13	8207.58	747.37	800.08	2.04	1094.21	1290429.81	2052159.53	
9205.00	92.92	45.20	8205.86	769.20	822.03	1.69	1125.16	1290450.85	2052182.23	
9237.00	91.56	44.63	8204.61	791.84	844.60	4.61	1157.14	1290472.69	2052205.58	
9269.00	90.44	44.50	8204.05	814.63	867.05	3.52	1189.13	1290494.69	2052228.82	
9300.00	90.26	45.00	8203.86	836.65	888.88	1.71	1220.13	1290515.93	2052251.40	
9331.00	92.44	42.75	8203.13	858.99	910.36	10.10	1251.11	1290537.50	2052273.64	
9363.00	93.63	42.50	8201.43	882.50	931.99	3.80	1283.04	1290560.24	2052296.09	
9394.00	94.29	41.97	8199.29	905.40	952.78	2.73	1313.93	1290582.40	2052317.67	
9426.00	94.50	42.50	8196.84	929.02	974.23	1.78	1345.80	1290605.26	2052339.93	Last Wft Svy
9473.00	94.50	42.50	8193.15	983.56	1005.88	0.00	1382.61	1290638.67	2052372.77	Proj. To Bit

Annotation

MD ft	TVD ft	
8025.00	8022.82	Tie On AMF Gyro
8036.00	8033.82	First Wft Svy
9426.00	8196.84	Last Wft Svy
9473.00	8193.15	Proj. To Bit