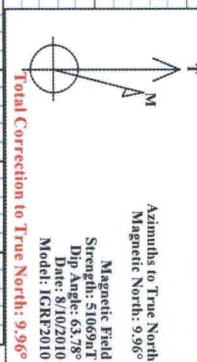
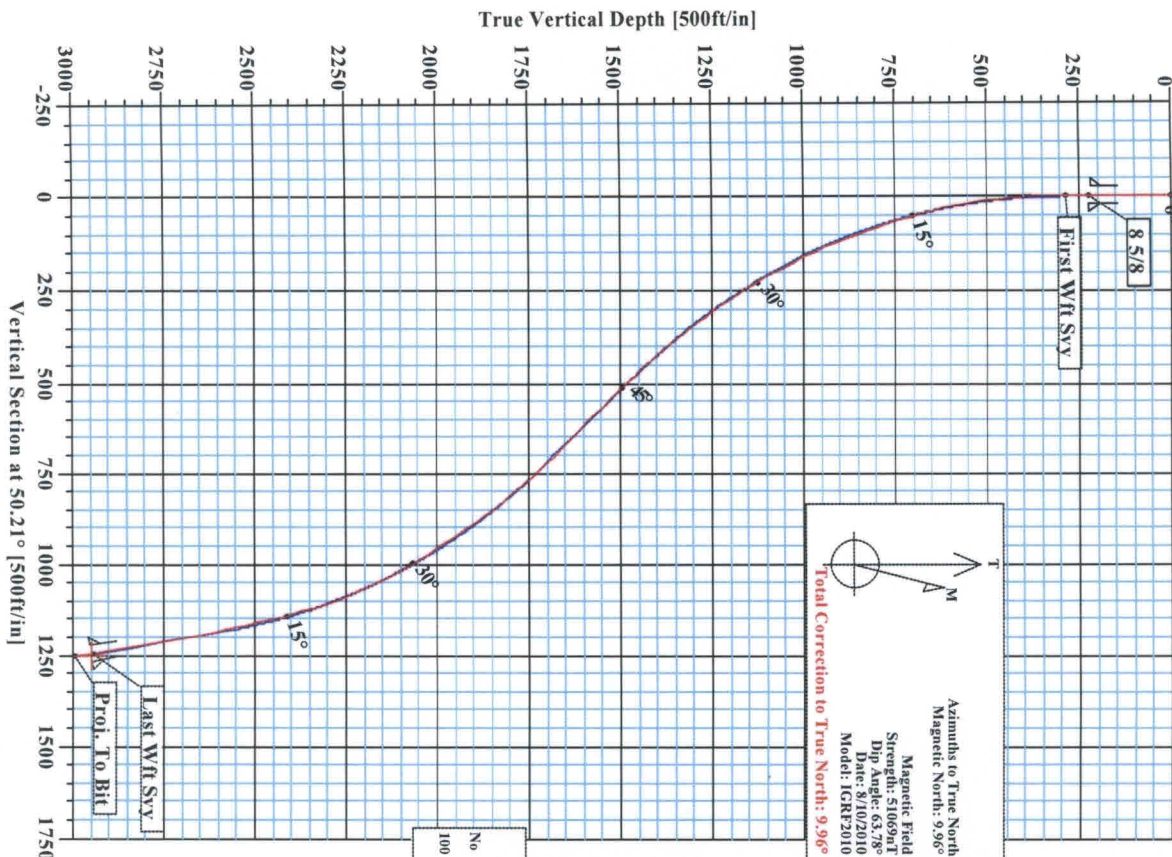


KB ELEV: 6684
GL ELEV: 6672



FIELD DETAILS
La Plata County, CO (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Colorado, Southern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: True North

SITE DETAILS
Hein #1-2
Site Centre Latitude: 37°02'35.124"N
Longitude: 107°33'56.052"W
Ground Level: 6287.00
Positional Uncertainty: 0.99
Convergence: -1.27



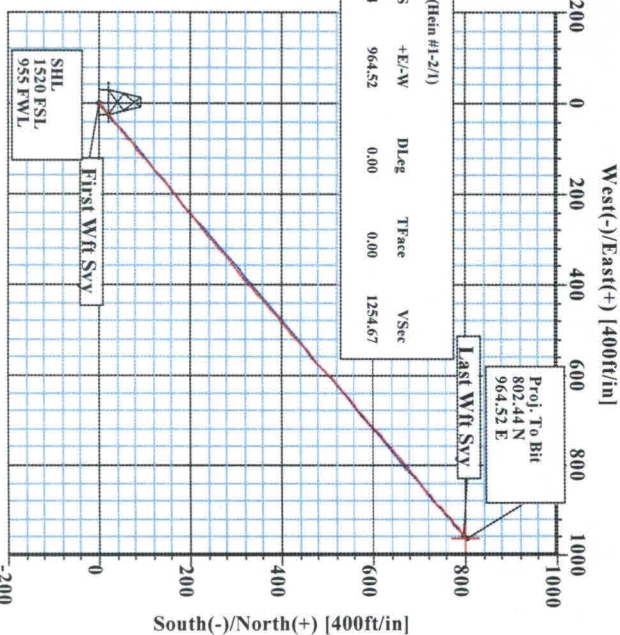
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0.00	0.00	50.21	0.00	0.00	0.00	0.00	0.00	0.00
2	300.00	0.00	50.21	300.00	0.00	0.00	0.00	0.00	0.00
3	1585.71	45.00	50.21	1457.55	306.86	368.42	3.50	50.21	479.47
4	1940.74	45.00	50.21	1708.59	467.52	561.31	9.00	50.00	730.51
5	2340.74	10.00	50.21	2581.87	728.46	910.62	3.50	180.00	1182.11
6	3314.54	10.00	50.21	2950.00	800.00	960.50	0.00	0.00	1250.02
									Pbhl

WELL DETAILS				
Name	+N/-S	+E/-W	Northing	Easting
Hein #1-2	0.00	0.00	1143732.58	2397156.90
			Latitude	Longitude
			37°02'35.124"N	107°33'56.052"W
			Slot	N/A

TARGET DETAILS				
Name	+N/-S	+E/-W	Latitude	Longitude
Pbhl	2950.00	800.00	37°02'43.033"N	107°33'44.205"W
			Point	Shape

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
100	3360.00	9.56	56.34	2996.67	802.44	964.52	0.00	0.00	1254.67

Survey: W/R Svy (Hein #1-2/1)





Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO	Date: 8/16/2010	Time: 07:06:19	Page: 1
Field: La Plata County, CO (NAD 83)	Co-ordinate(NE) Reference: Well: Hein #1-2, True North		
Site: Hein #1-2	Vertical (TVD) Reference: SITE 6298.0		
Well: Hein #1-2	Section (VS) Reference: Well (0.00N,0.00E,50.21Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 8/11/2010
Company: Weatherford International Ltd.	Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard	Tied-to: From Surface

Field: La Plata County, CO (NAD 83)	
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: Hein #1-2		
Site Position:	Northing: 1143732.58 ft	Latitude: 37 2 35.124 N
From: Geographic	Easting: 2397156.90 ft	Longitude: 107 33 56.052 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6287.00 ft		Grid Convergence: -1.27 deg

Well: Hein #1-2	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 37 2 35.124 N
+E/-W 0.00 ft	Longitude: 107 33 56.052 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 8/10/2010	Above System Datum: Mean Sea Level		
Field Strength: 51069 nT	Declination: 9.96 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 63.78 deg		
ft	+E/-W	Direction	
	ft	deg	
0.00	0.00	0.00	50.21

Survey															
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	Lat	Min	Sec	Long	Min	Sec	Comment	
ft	deg	deg	ft	ft	ft	ft	deg/100ft								
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37	2	35.124	107	33	56.052	First Wft Sv	
285.00	0.74	286.66	284.99	0.53	-1.76	-1.02	0.26	37	2	35.129	107	33	56.074		
316.00	0.21	326.71	315.99	0.63	-1.99	-1.12	1.92	37	2	35.130	107	33	56.076		
347.00	1.05	50.63	346.99	0.86	-1.80	-0.83	3.38	37	2	35.132	107	33	56.074		
377.00	1.99	62.53	376.98	1.27	-1.12	-0.05	3.29	37	2	35.137	107	33	56.066		
408.00	3.25	64.36	407.95	1.90	0.15	1.33	4.07	37	2	35.143	107	33	56.050		
439.00	4.76	59.05	438.87	2.95	2.04	3.45	5.01	37	2	35.153	107	33	56.027		
469.00	6.09	58.65	468.73	4.41	4.47	6.26	4.44	37	2	35.168	107	33	55.997		
499.00	6.80	55.97	498.54	6.24	7.30	9.60	2.57	37	2	35.186	107	33	55.962		
530.00	8.84	51.81	529.25	8.74	10.69	13.81	6.83	37	2	35.210	107	33	55.920		
561.00	10.29	51.66	559.82	11.93	14.74	18.96	4.68	37	2	35.242	107	33	55.870		
592.00	10.95	50.93	590.29	15.50	19.19	24.67	2.17	37	2	35.277	107	33	55.815		
623.00	11.92	49.49	620.68	19.43	23.91	30.81	3.26	37	2	35.316	107	33	55.757		
654.00	13.24	48.23	650.93	23.88	29.00	37.56	4.35	37	2	35.360	107	33	55.694		
684.00	14.38	49.46	680.06	28.59	34.39	44.72	3.92	37	2	35.407	107	33	55.628		
715.00	15.25	50.46	710.03	33.69	40.46	52.65	2.93	37	2	35.457	107	33	55.553		
745.00	16.56	51.09	738.88	38.88	46.83	60.87	4.40	37	2	35.508	107	33	55.474		
776.00	17.50	51.96	768.52	44.53	53.94	69.94	3.14	37	2	35.564	107	33	55.387		
806.00	18.44	51.46	797.06	50.27	61.20	79.20	3.18	37	2	35.621	107	33	55.297		
837.00	19.25	50.96	826.40	56.54	69.01	89.21	2.66	37	2	35.683	107	33	55.201		
868.00	20.19	50.21	855.58	63.18	77.09	99.67	3.14	37	2	35.749	107	33	55.101		
898.00	21.25	50.09	883.64	69.98	85.23	110.28	3.54	37	2	35.816	107	33	55.001		
929.00	22.44	50.34	912.41	77.36	94.10	121.82	3.85	37	2	35.889	107	33	54.891		
960.00	23.38	49.34	940.97	85.15	103.32	133.88	3.28	37	2	35.966	107	33	54.778		



Weatherford International Ltd.

WFT Survey Report Lat, Long

**Weatherford**

Company: XTO
Field: La Plata County, CO (NAD 83)
Site: Hein #1-2
Well: Hein #1-2
Wellpath: 1

Date: 8/16/2010 Time: 07:06:19 Page: 2
Co-ordinate(NE) Reference: Well: Hein #1-2, True North
Vertical (TVD) Reference: SITE 6298.0
Section (VS) Reference: Well (0.00N,0.00E,50.21Azi)
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	Lat	Min	Sec	Long	Min	Sec	Comment
992.00	24.56	50.09	970.21	93.55	113.24	146.88	3.81	37	2	36.049	107	33	54.655	
1024.00	25.44	49.34	999.21	102.30	123.55	160.41	2.92	37	2	36.135	107	33	54.528	
1055.00	26.50	49.84	1027.08	111.10	133.89	173.98	3.49	37	2	36.222	107	33	54.401	
1087.00	27.47	49.68	1055.59	120.48	144.97	188.50	3.04	37	2	36.315	107	33	54.264	
1118.00	28.38	49.46	1082.98	129.89	156.02	203.02	2.95	37	2	36.408	107	33	54.128	
1149.00	29.44	49.71	1110.12	139.61	167.43	218.00	3.44	37	2	36.504	107	33	53.987	
1180.00	30.50	50.59	1136.97	149.53	179.32	233.49	3.70	37	2	36.602	107	33	53.840	
1212.00	31.56	50.59	1164.39	160.00	192.07	249.98	3.31	37	2	36.706	107	33	53.683	
1243.00	32.69	51.21	1190.65	170.40	204.86	266.46	3.80	37	2	36.809	107	33	53.525	
1274.00	33.87	51.62	1216.56	181.00	218.16	283.47	3.87	37	2	36.914	107	33	53.361	
1306.00	34.94	51.59	1242.97	192.23	232.33	301.55	3.34	37	2	37.025	107	33	53.186	
1337.00	35.94	51.34	1268.22	203.43	246.39	319.52	3.26	37	2	37.135	107	33	53.013	
1367.00	36.94	51.21	1292.36	214.58	260.29	337.33	3.34	37	2	37.245	107	33	52.842	
1398.00	37.75	50.59	1317.00	226.44	274.88	356.14	2.88	37	2	37.363	107	33	52.662	
1429.00	38.56	50.46	1341.38	238.62	289.67	375.29	2.63	37	2	37.483	107	33	52.479	
1461.00	39.81	51.09	1366.18	251.40	305.33	395.51	4.10	37	2	37.610	107	33	52.286	
1493.00	41.25	51.09	1390.50	264.46	321.51	416.30	4.50	37	2	37.739	107	33	52.086	
1525.00	41.88	50.96	1414.44	277.82	338.02	437.53	1.99	37	2	37.871	107	33	51.883	
1555.00	42.56	50.84	1436.66	290.53	353.66	457.68	2.28	37	2	37.996	107	33	51.690	
1587.00	43.56	50.71	1460.04	304.35	370.59	479.53	3.14	37	2	38.133	107	33	51.481	
1618.00	44.44	49.71	1482.34	318.13	387.13	501.06	3.62	37	2	38.269	107	33	51.277	
1649.00	45.44	49.09	1504.28	332.38	403.76	522.96	3.52	37	2	38.410	107	33	51.072	
1681.00	45.69	48.71	1526.69	347.40	420.98	545.80	1.15	37	2	38.559	107	33	50.860	
1713.00	46.13	49.46	1548.95	362.45	438.34	568.78	2.17	37	2	38.707	107	33	50.645	
1744.00	46.56	49.71	1570.35	376.99	455.42	591.21	1.50	37	2	38.851	107	33	50.435	
1775.00	46.56	48.09	1591.67	391.79	472.38	613.71	3.79	37	2	38.997	107	33	50.226	
1807.00	46.88	49.21	1613.61	407.18	489.87	637.00	2.74	37	2	39.150	107	33	50.010	
1838.00	47.13	48.21	1634.75	422.14	506.91	659.66	2.49	37	2	39.298	107	33	49.800	
1869.00	46.25	48.46	1656.01	437.14	523.76	682.21	2.90	37	2	39.446	107	33	49.592	
1901.00	45.25	48.96	1678.34	452.26	540.98	705.12	3.32	37	2	39.595	107	33	49.380	
1933.00	43.94	49.21	1701.13	466.98	557.96	727.58	4.13	37	2	39.741	107	33	49.170	
1963.00	42.25	49.96	1723.03	480.27	573.56	748.08	5.89	37	2	39.872	107	33	48.978	
1995.00	41.03	50.28	1746.95	493.90	589.87	769.34	3.87	37	2	40.007	107	33	48.776	
2027.00	39.88	49.96	1771.30	507.21	605.81	790.10	3.65	37	2	40.139	107	33	48.580	
2059.00	38.94	51.09	1796.02	520.13	621.49	810.42	3.70	37	2	40.266	107	33	48.387	
2090.00	38.13	50.84	1820.27	532.29	636.49	829.73	2.66	37	2	40.387	107	33	48.201	
2122.00	37.25	50.71	1845.59	544.66	651.64	849.29	2.76	37	2	40.509	107	33	48.015	
2153.00	36.56	49.84	1870.38	556.56	665.96	867.91	2.79	37	2	40.627	107	33	47.838	
2184.00	36.19	49.59	1895.34	568.44	679.99	886.29	1.29	37	2	40.744	107	33	47.665	
2215.00	35.28	49.22	1920.50	580.23	693.74	904.39	3.02	37	2	40.861	107	33	47.495	
2246.00	34.94	48.96	1945.86	591.90	707.21	922.22	1.20	37	2	40.976	107	33	47.329	
2277.00	34.06	49.09	1971.41	603.41	720.47	939.77	2.85	37	2	41.090	107	33	47.166	
2309.00	32.88	49.46	1998.10	614.93	733.84	957.42	3.74	37	2	41.204	107	33	47.001	
2341.00	31.81	50.09	2025.14	625.99	746.91	974.54	3.51	37	2	41.313	107	33	46.840	
2373.00	30.72	49.94	2052.49	636.66	759.64	991.15	3.41	37	2	41.418	107	33	46.683	
2405.00	29.25	49.46	2080.21	647.00	771.83	1007.14	4.65	37	2	41.521	107	33	46.532	
2436.00	28.31	49.21	2107.38	656.73	783.15	1022.06	3.06	37	2	41.617	107	33	46.392	
2467.00	27.06	50.34	2134.83	666.03	794.15	1036.46	4.37	37	2	41.709	107	33	46.257	
2499.00	25.69	52.09	2163.50	674.94	805.23	1050.67	4.92	37	2	41.797	107	33	46.120	
2530.00	24.56	52.84	2191.56	682.96	815.66	1063.83	3.79	37	2	41.876	107	33	45.992	
2562.00	23.44	53.34	2220.80	690.77	826.07	1076.82	3.56	37	2	41.953	107	33	45.863	
2593.00	22.41	53.46	2249.35	697.97	835.76	1088.88	3.33	37	2	42.025	107	33	45.744	



Weatherford International Ltd.

WFT Survey Report Lat, Long



Company: XTO
Field: La Plata County, CO (NAD 83)
Site: Hein #1-2
Well: Hein #1-2
Wellpath: 1

Date: 8/16/2010 Time: 07:06:19 Page: 3
Co-ordinate(NE) Reference: Well: Hein #1-2, True North
Vertical (TVD) Reference: SITE 6298.0
Section (VS) Reference: Well (0.00N,0.00E,50.21Azi)
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	Lat	Min	Sec	Long	Min	Sec	Comment
2624.00	20.69	52.84	2278.18	704.80	844.87	1100.25	5.60	37	2	42.092	107	33	45.631	
2656.00	19.00	52.71	2308.28	711.37	853.52	1111.10	5.28	37	2	42.157	107	33	45.524	
2687.00	17.69	50.71	2337.70	717.41	861.18	1120.86	4.69	37	2	42.217	107	33	45.430	
2718.00	16.56	48.84	2367.33	723.30	868.16	1129.98	4.05	37	2	42.275	107	33	45.344	
2750.00	15.56	48.59	2398.08	729.14	874.81	1138.83	3.13	37	2	42.333	107	33	45.262	
2781.00	14.25	49.21	2428.03	734.39	880.82	1146.80	4.26	37	2	42.385	107	33	45.188	
2812.00	13.50	49.34	2458.13	739.24	886.45	1154.24	2.42	37	2	42.433	107	33	45.118	
2843.00	13.19	50.46	2488.29	743.84	891.92	1161.39	1.30	37	2	42.478	107	33	45.051	
2874.00	12.88	51.46	2518.49	748.25	897.35	1168.38	1.24	37	2	42.522	107	33	44.984	
2906.00	12.31	50.84	2549.72	752.63	902.79	1175.36	1.83	37	2	42.565	107	33	44.917	
2937.00	11.56	48.96	2580.05	756.75	907.69	1181.77	2.72	37	2	42.606	107	33	44.856	
2969.00	11.00	48.09	2611.43	760.90	912.38	1188.03	1.83	37	2	42.647	107	33	44.799	
3001.00	10.94	46.84	2642.85	765.01	916.87	1194.11	0.77	37	2	42.687	107	33	44.743	
3032.00	10.50	46.59	2673.31	768.97	921.07	1199.86	1.43	37	2	42.727	107	33	44.691	
3063.00	9.94	46.34	2703.82	772.75	925.05	1205.35	1.81	37	2	42.764	107	33	44.642	
3095.00	9.88	46.84	2735.34	776.54	929.06	1210.85	0.33	37	2	42.801	107	33	44.593	
3127.00	9.63	50.09	2766.88	780.13	933.11	1216.26	1.89	37	2	42.837	107	33	44.543	
3159.00	9.44	51.59	2798.43	783.48	937.22	1221.56	0.98	37	2	42.870	107	33	44.492	
3190.00	9.31	54.34	2829.02	786.52	941.25	1226.61	1.50	37	2	42.900	107	33	44.442	
3222.00	9.56	54.46	2860.59	789.58	945.51	1231.84	0.78	37	2	42.930	107	33	44.390	
3253.00	9.56	56.59	2891.16	792.49	949.76	1236.96	1.14	37	2	42.959	107	33	44.337	
3285.00	9.63	54.96	2922.71	795.49	954.17	1242.27	0.88	37	2	42.989	107	33	44.283	
3306.00	9.56	56.34	2943.42	797.47	957.06	1245.76	1.14	37	2	43.008	107	33	44.247	Last Wft Svy
3360.00	9.56	56.34	2996.67	802.44	964.52	1254.67	0.00	37	2	43.057	107	33	44.155	Proj. To Bit

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
225.00	225.00	0.000	0.000	8 5/8
3314.54	2951.84	5.500	6.000	5 1/2"

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1329.33	1262.00	Ojo Alamo SS		0.00	0.00
1441.35	1351.00	Kirtland Shale		0.00	0.00
2534.88	2196.00	Farmington SS		0.00	0.00
2775.80	2423.00	Fruitland Formation		0.00	0.00
2837.56	2483.00	Upper Fruitland Coal		0.00	0.00
2962.44	2605.00	Middle Fruitland Coal		0.00	0.00
3149.44	2789.00	Pictured Cliffs Tongue		0.00	0.00
3162.61	2802.00	Lower Fruitland Coal		0.00	0.00