



**Weatherford®**

## **Drilling Services**

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## **Proposal**

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GOODMAN POINT #22

MONTEZUMA CO, COLORADO

WELL FILE: **PILOT HOLE PLAN (**  
**LATERAL PLAN (**

T OÛÔP GF, 2011

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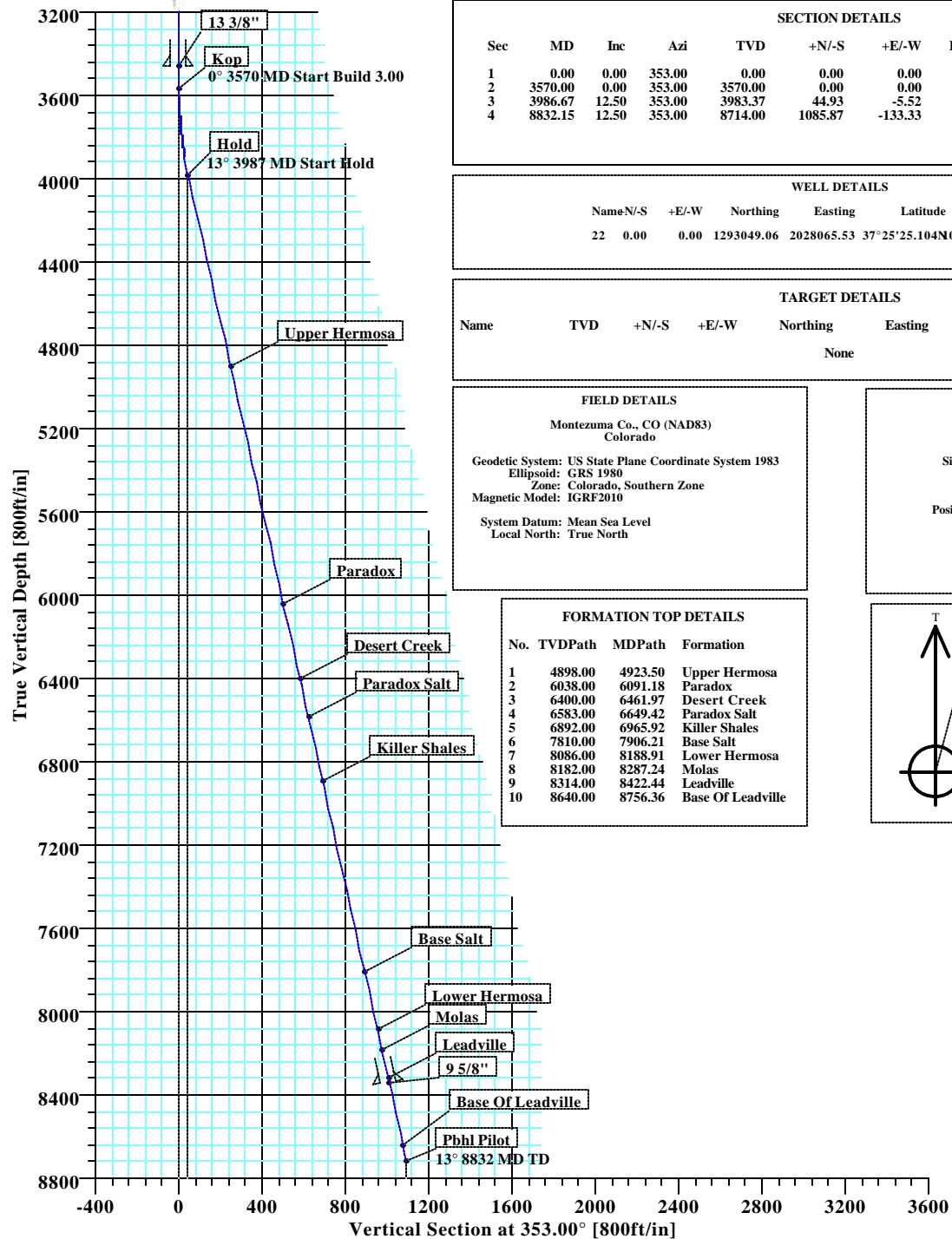
**Weatherford International, Ltd.**

P.O. Box 61028  
Midland, TX 79711 USA  
+1.432.561.8892 Main  
+1.432.561.8895 Fax  
[www.weatherford.com](http://www.weatherford.com)

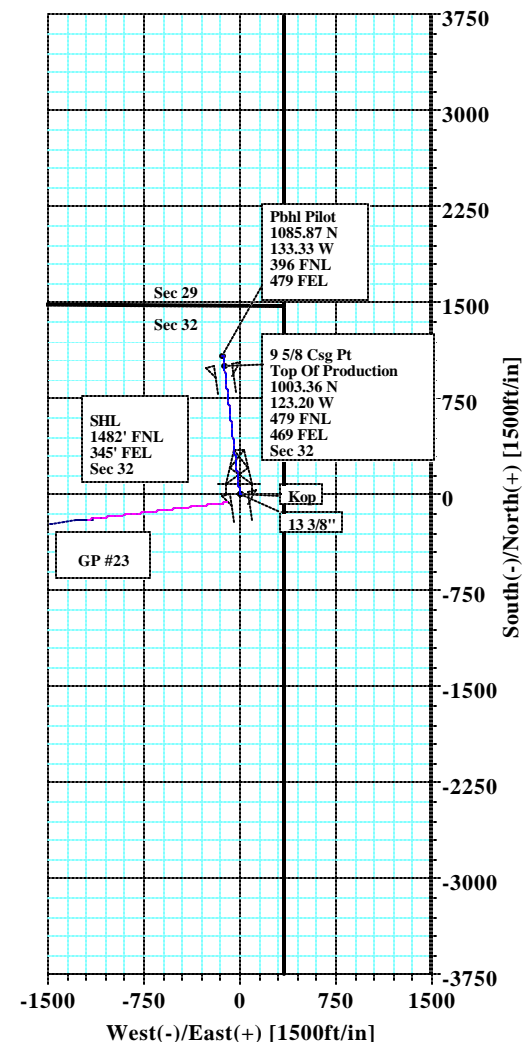


KB ELEV: 6480'  
GL ELEV: 6460'

# GOODMAN POINT #22 MONTEZUMA CO., COLORADO PILOT



CASING DETAILS				
No.	TVD	MD	Name	Size
1	3460.00	3460.00	13 3/8"	13.375
2	8339.00	8448.05	9 5/8"	9.625



Plan: Plan #4 (22/Pilot Hole)  
Created By: Keith Noack  
Date: 3/22/2011

<b>Company:</b> Kinder Morgan <b>Field:</b> Montezuma Co., CO (NAD83) <b>Site:</b> Goodman Point #22 <b>Well:</b> 22 <b>Wellpath:</b> Pilot Hole	<b>Date:</b> 3/21/2011 <b>Co-ordinate(NE) Reference:</b> Well: 22, True North <b>Vertical (TVD) Reference:</b> SITE 6480.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.00Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase	<b>Time:</b> 09:27:31 <b>Page:</b> 1
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<b>Plan:</b> Plan #4  <b>Principal:</b> Yes	<b>Date Composed:</b> 3/21/2011 <b>Version:</b> 1 <b>Tied-to:</b> From Surface
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**Field:** Montezuma Co., CO (NAD83)  
Colorado

**Map System:** US State Plane Coordinate System 1983  
**Geo Datum:** GRS 1980  
**Sys Datum:** Mean Sea Level

**Map Zone:** Colorado, Southern Zone  
**Coordinate System:** Well Centre  
**Geomagnetic Model:** IGRF2010

**Site:** Goodman Point #22

1482' FNL & 345' FEL

<b>Site Position:</b>	<b>Northing:</b> 1293049.06 ft	<b>Latitude:</b> 37 25 25.104 N	
<b>From:</b> Geographic	<b>Easting:</b> 2028065.53 ft	<b>Longitude:</b> 108 50 51.576 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 6460.00 ft		<b>Grid Convergence:</b> -2.05 deg	

**Well:** 22

**Slot Name:**

<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 1293049.06 ft	<b>Latitude:</b> 37 25 25.104 N	
+E/-W 0.00 ft	<b>Easting:</b> 2028065.53 ft	<b>Longitude:</b> 108 50 51.576 W	
<b>Position Uncertainty:</b> 0.00 ft			

**Wellpath:** Pilot Hole

**Drilled From:** Surface  
**Tie-on Depth:** 0.00 ft  
**Above System Datum:** Mean Sea Level  
**Declination:** 10.41 deg  
**Mag Dip Angle:** 63.83 deg

**Current Datum:** SITE  
**Magnetic Data:** 9/15/2011  
**Field Strength:** 51000 nT  
**Vertical Section:** Depth From (TVD) ft

	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	353.00

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	353.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3570.00	0.00	353.00	3570.00	0.00	0.00	0.00	0.00	0.00	353.00	
3986.67	12.50	353.00	3983.37	44.93	-5.52	3.00	3.00	0.00	353.00	
8832.15	12.50	353.00	8714.00	1085.87	-133.33	0.00	0.00	0.00	0.00	

### 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
3400.00	0.00	353.00	3400.00	0.00	0.00	0.00	0.00	1293049.06	2028065.53	
3460.00	0.00	353.00	3460.00	0.00	0.00	0.00	0.00	1293049.06	2028065.53	13 3/8"
3500.00	0.00	353.00	3500.00	0.00	0.00	0.00	0.00	1293049.06	2028065.53	
3570.00	0.00	353.00	3570.00	0.00	0.00	0.00	0.00	1293049.06	2028065.53	Kop
3600.00	0.90	353.00	3600.00	0.23	-0.03	0.24	3.00	1293049.29	2028065.51	
3700.00	3.90	353.00	3699.90	4.39	-0.54	4.42	3.00	1293053.47	2028065.15	
3800.00	6.90	353.00	3799.44	13.73	-1.69	13.83	3.00	1293062.84	2028064.34	
3900.00	9.90	353.00	3898.36	28.23	-3.47	28.44	3.00	1293077.39	2028063.08	
3986.67	12.50	353.00	3983.37	44.93	-5.52	45.27	3.00	1293094.16	2028061.63	Hold
4000.00	12.50	353.00	3996.39	47.80	-5.87	48.16	0.00	1293097.04	2028061.38	
4100.00	12.50	353.00	4094.02	69.28	-8.51	69.80	0.00	1293118.60	2028059.51	
4200.00	12.50	353.00	4191.65	90.76	-11.14	91.45	0.00	1293140.16	2028057.64	
4300.00	12.50	353.00	4289.28	112.25	-13.78	113.09	0.00	1293161.73	2028055.78	
4400.00	12.50	353.00	4386.90	133.73	-16.42	134.73	0.00	1293183.29	2028053.91	
4500.00	12.50	353.00	4484.53	155.21	-19.06	156.38	0.00	1293204.85	2028052.05	
4600.00	12.50	353.00	4582.16	176.69	-21.70	178.02	0.00	1293226.42	2028050.18	
4700.00	12.50	353.00	4679.79	198.18	-24.33	199.66	0.00	1293247.98	2028048.31	

<b>Company:</b> Kinder Morgan <b>Field:</b> Montezuma Co., CO (NAD83) <b>Site:</b> Goodman Point #22 <b>Well:</b> 22 <b>Wellpath:</b> Pilot Hole	<b>Date:</b> 3/21/2011 <b>Co-ordinate(NE) Reference:</b> Well: 22, True North <b>Vertical (TVD) Reference:</b> SITE 6480.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.00Azi) <b>Survey Calculation Method:</b> Minimum Curvature	<b>Time:</b> 09:27:31 <b>Page:</b> 2 <b>Db:</b> Sybase
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### 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
4800.00	12.50	353.00	4777.42	219.66	-26.97	221.31	0.00	1293269.54	2028046.45	
4900.00	12.50	353.00	4875.05	241.14	-29.61	242.95	0.00	1293291.11	2028044.58	
4923.50	12.50	353.00	4898.00	246.19	-30.23	248.04	0.00	1293296.18	2028044.14	Upper Hermosa
5000.00	12.50	353.00	4972.68	262.62	-32.25	264.60	0.00	1293312.67	2028042.71	
5100.00	12.50	353.00	5070.31	284.11	-34.88	286.24	0.00	1293334.23	2028040.85	
5200.00	12.50	353.00	5167.94	305.59	-37.52	307.88	0.00	1293355.80	2028038.98	
5300.00	12.50	353.00	5265.57	327.07	-40.16	329.53	0.00	1293377.36	2028037.11	
5400.00	12.50	353.00	5363.20	348.56	-42.80	351.17	0.00	1293398.92	2028035.25	
5500.00	12.50	353.00	5460.83	370.04	-45.43	372.82	0.00	1293420.49	2028033.38	
5600.00	12.50	353.00	5558.46	391.52	-48.07	394.46	0.00	1293442.05	2028031.52	
5700.00	12.50	353.00	5656.09	413.00	-50.71	416.10	0.00	1293463.61	2028029.65	
5800.00	12.50	353.00	5753.72	434.49	-53.35	437.75	0.00	1293485.18	2028027.78	
5900.00	12.50	353.00	5851.35	455.97	-55.99	459.39	0.00	1293506.74	2028025.92	
6000.00	12.50	353.00	5948.98	477.45	-58.62	481.04	0.00	1293528.30	2028024.05	
6091.18	12.50	353.00	6038.00	497.04	-61.03	500.77	0.00	1293547.97	2028022.35	Paradox
6100.00	12.50	353.00	6046.61	498.93	-61.26	502.68	0.00	1293549.87	2028022.18	
6200.00	12.50	353.00	6144.24	520.42	-63.90	524.32	0.00	1293571.43	2028020.32	
6300.00	12.50	353.00	6241.87	541.90	-66.54	545.97	0.00	1293592.99	2028018.45	
6400.00	12.50	353.00	6339.50	563.38	-69.17	567.61	0.00	1293614.56	2028016.59	
6461.97	12.50	353.00	6400.00	576.69	-70.81	581.03	0.00	1293627.92	2028015.43	Desert Creek
6500.00	12.50	353.00	6437.13	584.86	-71.81	589.26	0.00	1293636.12	2028014.72	
6600.00	12.50	353.00	6534.76	606.35	-74.45	610.90	0.00	1293657.68	2028012.85	
6649.42	12.50	353.00	6583.00	616.96	-75.75	621.60	0.00	1293668.34	2028011.93	Paradox Salt
6700.00	12.50	353.00	6632.39	627.83	-77.09	632.54	0.00	1293679.25	2028010.99	
6800.00	12.50	353.00	6730.02	649.31	-79.73	654.19	0.00	1293700.81	2028009.12	
6900.00	12.50	353.00	6827.64	670.79	-82.36	675.83	0.00	1293722.37	2028007.25	
6965.92	12.50	353.00	6892.00	684.96	-84.10	690.10	0.00	1293736.59	2028006.02	Killer Shales
7000.00	12.50	353.00	6925.27	692.28	-85.00	697.48	0.00	1293743.94	2028005.39	
7100.00	12.50	353.00	7022.90	713.76	-87.64	719.12	0.00	1293765.50	2028003.52	
7200.00	12.50	353.00	7120.53	735.24	-90.28	740.76	0.00	1293787.06	2028001.65	
7300.00	12.50	353.00	7218.16	756.72	-92.91	762.41	0.00	1293808.63	2027999.79	
7400.00	12.50	353.00	7315.79	778.21	-95.55	784.05	0.00	1293830.19	2027997.92	
7500.00	12.50	353.00	7413.42	799.69	-98.19	805.70	0.00	1293851.75	2027996.06	
7600.00	12.50	353.00	7511.05	821.17	-100.83	827.34	0.00	1293873.32	2027994.19	
7700.00	12.50	353.00	7608.68	842.66	-103.47	848.98	0.00	1293894.88	2027992.32	
7800.00	12.50	353.00	7706.31	864.14	-106.10	870.63	0.00	1293916.44	2027990.46	
7900.00	12.50	353.00	7803.94	885.62	-108.74	892.27	0.00	1293938.01	2027988.59	
7906.21	12.50	353.00	7810.00	886.95	-108.90	893.61	0.00	1293939.35	2027988.47	Base Salt
8000.00	12.50	353.00	7901.57	907.10	-111.38	913.92	0.00	1293959.57	2027986.72	
8100.00	12.50	353.00	7999.20	928.59	-114.02	935.56	0.00	1293981.13	2027984.86	
8188.91	12.50	353.00	8086.00	947.69	-116.36	954.80	0.00	1294000.31	2027983.20	Lower Hermosa
8200.00	12.50	353.00	8096.83	950.07	-116.65	957.20	0.00	1294002.70	2027982.99	
8287.24	12.50	353.00	8182.00	968.81	-118.95	976.09	0.00	1294021.51	2027981.36	Molas
8300.00	12.50	353.00	8194.46	971.55	-119.29	978.85	0.00	1294024.26	2027981.13	
8400.00	12.50	353.00	8292.09	993.03	-121.93	1000.49	0.00	1294045.83	2027979.26	
8422.44	12.50	353.00	8314.00	997.86	-122.52	1005.35	0.00	1294050.66	2027978.84	Leadville
8448.05	12.50	353.00	8339.00	1003.36	-123.20	1010.89	0.00	1294056.19	2027978.36	9 5/8"
8500.00	12.50	353.00	8389.72	1014.52	-124.57	1022.14	0.00	1294067.39	2027977.39	
8600.00	12.50	353.00	8487.35	1036.00	-127.20	1043.78	0.00	1294088.95	2027975.53	
8700.00	12.50	353.00	8584.98	1057.48	-129.84	1065.42	0.00	1294110.52	2027973.66	
8756.36	12.50	353.00	8640.00	1069.59	-131.33	1077.62	0.00	1294122.67	2027972.61	Base Of Leadville
8800.00	12.50	353.00	8682.61	1078.96	-132.48	1087.07	0.00	1294132.08	2027971.79	
8832.15	12.50	353.00	8714.00	1085.87	-133.33	1094.03	0.00	1294139.01	2027971.19	Pbhl Pilot



<b>Company:</b> Kinder Morgan <b>Field:</b> Montezuma Co., CO (NAD83) <b>Site:</b> Goodman Point #22 <b>Well:</b> 22 <b>Wellpath:</b> Pilot Hole	<b>Date:</b> 3/21/2011 <b>Co-ordinate(NE) Reference:</b> Well: 22, True North <b>Vertical (TVD) Reference:</b> SITE 6480.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.00Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
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**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

**Targets**

Name	Description Dip.	TVD Dir.	+N/-S	+E/-W	Map Northing	Map Easting	<---- Latitude ----> Deg Min Sec		<--- Longitude ---> Deg Min Sec	

**Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name
3460.00	3460.00	13.375	17.500	13 3/8"
8448.05	8339.00	9.625	12.250	9 5/8"

**Annotation**

MD ft	TVD ft	
3570.00	3570.00	Kop
3986.67	3983.37	Hold
8832.15	8714.00	Pbhl Pilot

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4923.50	4898.00	Upper Hermosa		0.00	0.00
6091.18	6038.00	Paradox		0.00	0.00
6461.97	6400.00	Desert Creek		0.00	0.00
6649.42	6583.00	Paradox Salt		0.00	0.00
6965.92	6892.00	Killer Shales		0.00	0.00
7906.21	7810.00	Base Salt		0.00	0.00
8188.91	8086.00	Lower Hermosa		0.00	0.00
8287.24	8182.00	Molas		0.00	0.00
8422.44	8314.00	Leadville		0.00	0.00
8756.36	8640.00	Base Of Leadville		0.00	0.00

**GOODMAN POINT #22**  
**MONTEZUMA CO., COLORADO**  
**Lateral**



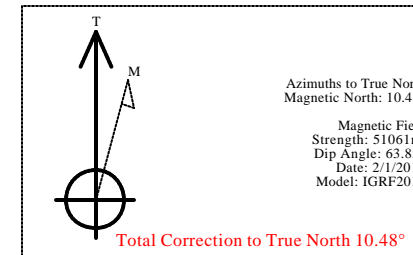
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	8448.05	12.50	353.00	8339.00	1003.36	-123.20	0.00	0.00	1010.89
2	8453.18	12.50	353.00	8344.01	1004.46	-123.33	0.00	0.00	1012.00
3	8694.84	90.00	353.00	8484.00	1177.58	-144.59	32.07	0.00	1186.43
4	10508.41	90.00	353.00	8484.00	2977.64	-365.61	0.00	0.00	3000.00 Pchl

WELL DETAILS							
Name	N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
22	0.00	0.00	1293049.06	2028065.53	37°25'25.104N	108°50'51.576W	N/A

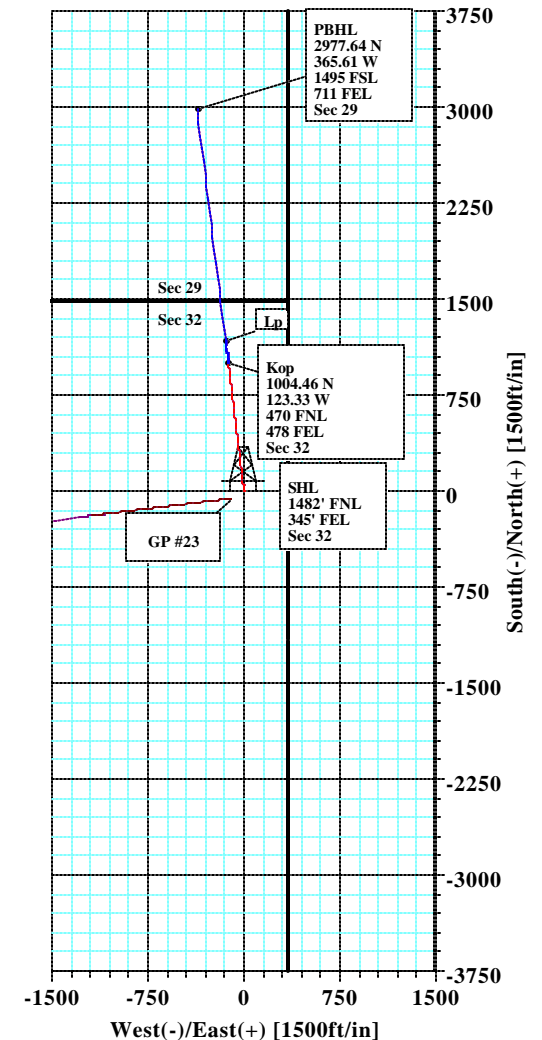
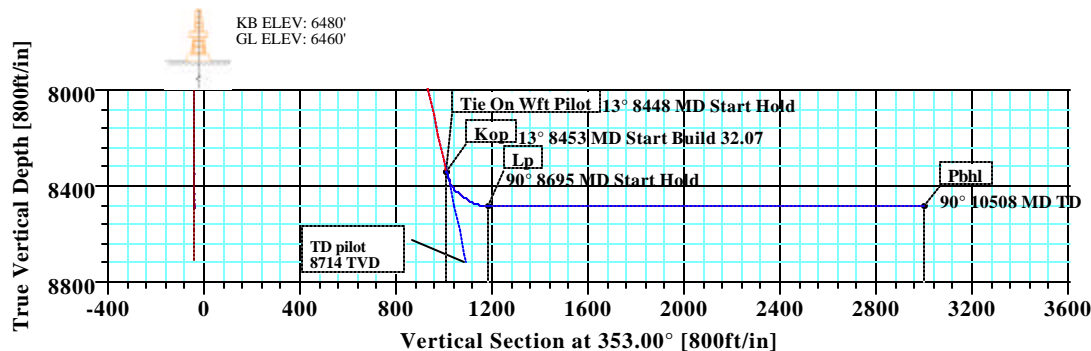
TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Pchl	8484.00	2977.64	-365.61	1296037.89	2027806.85	37°25'54.544N	108°50'56.109W	Point

**FIELD DETAILS**  
Montezuma Co., CO (NAD83)  
Colorado  
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**  
Goodman Point #22  
1482' FNL & 345' FEL  
Site Centre Latitude: 37°25'25.104N  
Longitude: 108°50'51.576W  
Ground Level: 6460.00  
Positional Uncertainty: 0.00  
Convergence: -2.05



LEGEND	
<span style="color: purple;">—</span>	23 (Lat)
<span style="color: brown;">—</span>	23 (Pilot Hole)
<span style="color: blue;">—</span>	Plan #4



<b>Company:</b> Kinder Morgan	<b>Date:</b> 3/21/2011	<b>Time:</b> 09:50:48	<b>Page:</b> 1
<b>Field:</b> Montezuma Co., CO (NAD83)	<b>Co-ordinate(NE) Reference:</b> Well: 22, True North		
<b>Site:</b> Goodman Point #22	<b>Vertical (TVD) Reference:</b> SITE 6480.0		
<b>Well:</b> 22	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.00Azi)		
<b>Wellpath:</b> Lat	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> Sybase	

<b>Plan:</b> Plan #4	<b>Date Composed:</b> 9/8/2010
	<b>Version:</b> 1
<b>Principal:</b> Yes	<b>Tied-to:</b> From: Definitive Path

**Field:** Montezuma Co., CO (NAD83)  
Colorado

**Map System:** US State Plane Coordinate System 1983  
**Geo Datum:** GRS 1980  
**Sys Datum:** Mean Sea Level

**Map Zone:** Colorado, Southern Zone  
**Coordinate System:** Well Centre  
**Geomagnetic Model:** IGRF2010

**Site:** Goodman Point #22

1482' FNL & 345' FEL

<b>Site Position:</b>	<b>Northing:</b> 1293049.06 ft	<b>Latitude:</b> 37 25 25.104 N
<b>From:</b> Geographic	<b>Easting:</b> 2028065.53 ft	<b>Longitude:</b> 108 50 51.576 W
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True
<b>Ground Level:</b> 6460.00 ft		<b>Grid Convergence:</b> -2.05 deg

**Well:** 22

**Slot Name:**

<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 1293049.06 ft	<b>Latitude:</b> 37 25 25.104 N
+E/-W 0.00 ft	<b>Easting:</b> 2028065.53 ft	<b>Longitude:</b> 108 50 51.576 W
<b>Position Uncertainty:</b> 0.00 ft		

**Wellpath:** Lat

<b>Current Datum:</b> SITE	<b>Height</b> 6480.00 ft	<b>Drilled From:</b> Pilot Hole
<b>Magnetic Data:</b> 2/1/2011		<b>Tie-on Depth:</b> 8448.05 ft
<b>Field Strength:</b> 51061 nT		<b>Above System Datum:</b> Mean Sea Level
<b>Vertical Section:</b> Depth From (TVD)	+N/-S	<b>Declination:</b> 10.48 deg
ft	ft	<b>Mag Dip Angle:</b> 63.85 deg
		<b>+E/-W</b> ft
		<b>Direction</b> deg
0.00	0.00	353.00

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
8448.05	12.50	353.00	8339.00	1003.36	-123.20	0.00	0.00	0.00	0.00	
8453.18	12.50	353.00	8344.01	1004.46	-123.33	0.00	0.00	0.00	0.00	
8694.84	90.00	353.00	8484.00	1177.58	-144.59	32.07	32.07	0.00	0.00	
10508.41	90.00	353.00	8484.00	2977.64	-365.61	0.00	0.00	0.00	0.00	Pbhl

### 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
8448.05	12.50	353.00	8339.00	1003.36	-123.20	1010.89	0.00	1294056.19	2027978.36	Ti On Wft Pilot
8453.18	12.50	353.00	8344.01	1004.46	-123.33	1012.00	0.00	1294057.29	2027978.27	Kop
8548.05	42.92	353.00	8427.01	1047.73	-128.65	1055.60	32.07	1294100.73	2027974.51	
8648.05	74.99	353.00	8477.91	1131.67	-138.95	1140.17	32.07	1294184.98	2027967.22	
8694.84	90.00	353.00	8484.00	1177.58	-144.59	1186.43	32.07	1294231.07	2027963.23	Lp
8748.05	90.00	353.00	8484.00	1230.40	-151.07	1239.64	0.00	1294284.08	2027958.64	
8848.05	90.00	353.00	8484.00	1329.65	-163.26	1339.64	0.00	1294383.71	2027950.02	
8948.05	90.00	353.00	8484.00	1428.91	-175.45	1439.64	0.00	1294483.33	2027941.39	
9048.05	90.00	353.00	8484.00	1528.16	-187.63	1539.64	0.00	1294582.96	2027932.77	
9148.05	90.00	353.00	8484.00	1627.41	-199.82	1639.64	0.00	1294682.59	2027924.15	
9248.05	90.00	353.00	8484.00	1726.67	-212.01	1739.64	0.00	1294782.22	2027915.52	
9348.05	90.00	353.00	8484.00	1825.92	-224.20	1839.64	0.00	1294881.84	2027906.90	
9448.05	90.00	353.00	8484.00	1925.18	-236.38	1939.64	0.00	1294981.47	2027898.28	
9548.05	90.00	353.00	8484.00	2024.43	-248.57	2039.64	0.00	1295081.10	2027889.66	
9648.05	90.00	353.00	8484.00	2123.69	-260.76	2139.64	0.00	1295180.73	2027881.03	
9748.05	90.00	353.00	8484.00	2222.94	-272.94	2239.64	0.00	1295280.35	2027872.41	
9848.05	90.00	353.00	8484.00	2322.20	-285.13	2339.64	0.00	1295379.98	2027863.79	



<b>Company:</b> Kinder Morgan	<b>Date:</b> 3/21/2011	<b>Time:</b> 09:50:48	<b>Page:</b> 2
<b>Field:</b> Montezuma Co., CO (NAD83)	<b>Co-ordinate(NE) Reference:</b> Well: 22, True North		
<b>Site:</b> Goodman Point #22	<b>Vertical (TVD) Reference:</b> SITE 6480.0		
<b>Well:</b> 22	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.00Azi)		
<b>Wellpath:</b> Lat	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> 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
9948.05	90.00	353.00	8484.00	2421.45	-297.32	2439.64	0.00	1295479.61	2027855.17	
10048.05	90.00	353.00	8484.00	2520.71	-309.50	2539.64	0.00	1295579.24	2027846.54	
10148.05	90.00	353.00	8484.00	2619.96	-321.69	2639.64	0.00	1295678.86	2027837.92	
10248.05	90.00	353.00	8484.00	2719.22	-333.88	2739.64	0.00	1295778.49	2027829.30	
10348.05	90.00	353.00	8484.00	2818.47	-346.06	2839.64	0.00	1295878.12	2027820.67	
10448.05	90.00	353.00	8484.00	2917.72	-358.25	2939.64	0.00	1295977.75	2027812.05	
10508.41	90.00	353.00	8484.00	2977.64	-365.61	3000.00	0.00	1296037.89	2027806.85	Pbhl

### Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
Pbhl			8484.00	2977.64	-365.61	1296037.89	2027806.85	37 25 54.544 N	108 50 56.109 W

### Casing Points

MD	TVD	Diameter	Hole Size	Name

### Annotation

MD ft	TVD ft	
8448.05	8339.00	Ti On Wft Pilot
8453.18	8344.01	Kop
8694.84	8484.00	Lp
10508.41	8484.00	Pbhl

### Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

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Report Date: March 21, 2011  
Job Number: \_\_\_\_\_  
Customer: Kinder Morgan  
Well Name: Goodman Point #22  
API Number: \_\_\_\_\_  
Rig Name: \_\_\_\_\_  
Location: Montezuma Co., CO  
Block: \_\_\_\_\_  
Engineer: KRN

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Geodetic Latitude / Longitude	Geodetic Latitude / Longitude
System: Latitude / Longitude	System: Latitude / Longitude
Projection: Geodetic Latitude and Longitude	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
Latitude 37.4236400 DEG	Latitude 37.4236400 DEG
Longitude -108.8476600 DEG	Longitude -108.8476600 DEG

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Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	37.42364° N	37° 25 min 25.104 sec
Longitude =	108.84766° W	108° 50 min 51.576 sec

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Magnetic Declination =	10.41°	[True North Offset]
Local Gravity =	.9993 g	Checksum = 7463
Local Field Strength =	50996 nT	Magnetic Vector X = 22119 nT
Magnetic Dip =	63.83°	Magnetic Vector Y = 4063 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 45769 nT
Spud Date =	Sep 15, 2011	Magnetic Vector H = 22489 nT

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Signed: \_\_\_\_\_

Date: \_\_\_\_\_