



Weatherford®

Drilling Services

Proposal



GOODMAN POINT #23

MONTEZUMA CO, COLORADO

WELL FILE: **PILOT HOLE PLAN 4**
LATERAL PLAN 4

MARCH 21, 2011

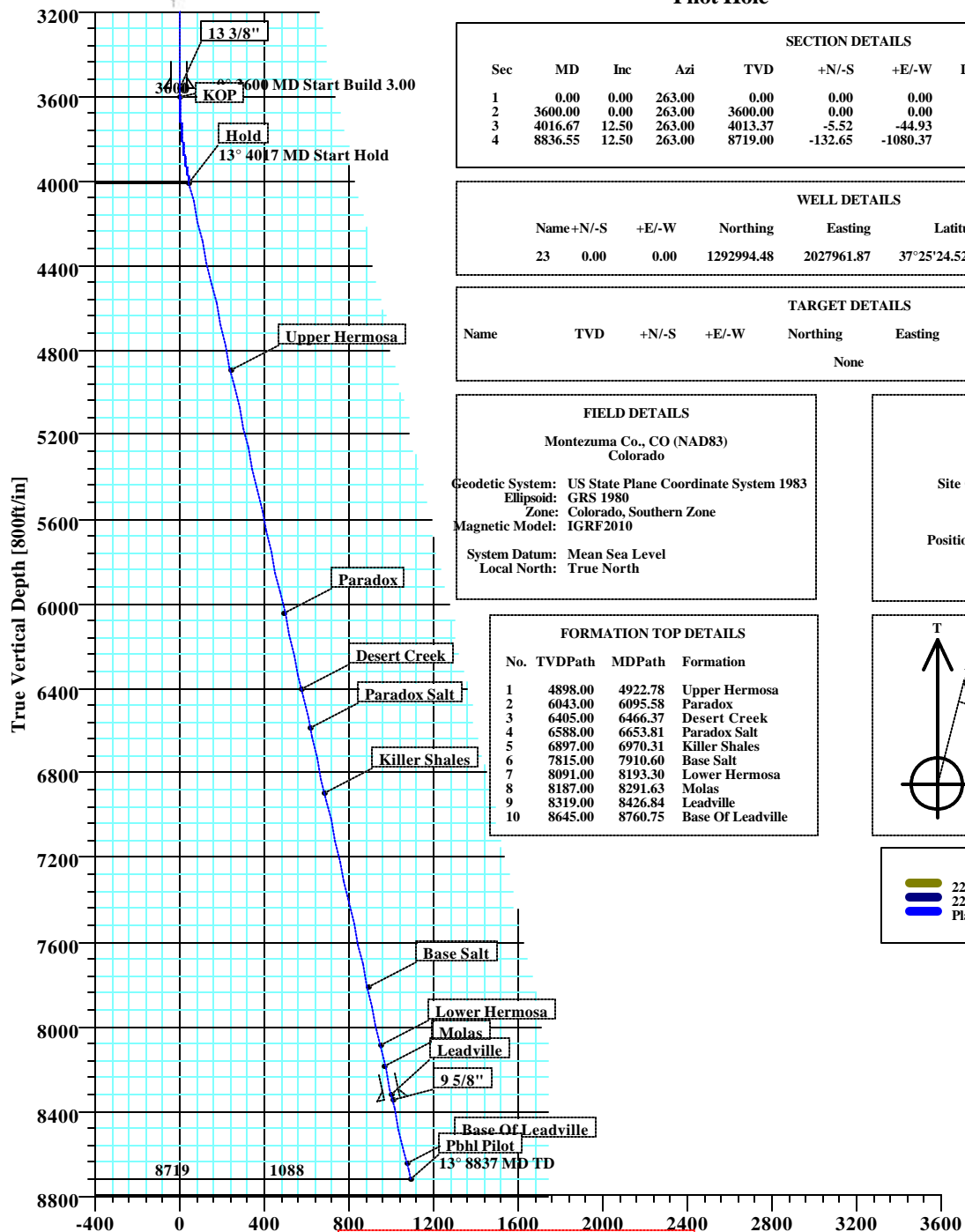
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KB ELEV: 6480'
GL ELEV: 6460'

GOODMAN POINT #23 MONTEZUMA CO., COLORADO Pilot Hole



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	263.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3600.00	0.00	263.00	3600.00	0.00	0.00	0.00	263.00	0.00	
3	4016.67	12.50	263.00	4013.37	-5.52	-44.93	3.00	263.00	45.27	
4	8836.55	12.50	263.00	8719.00	-132.65	-1080.37	0.00	0.00	1088.48	

WELL DETAILS						
Name +N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
23	0.00	0.00	1292994.48	2027961.87	37°25'24.528N	108°50'52.836W

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
None							

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

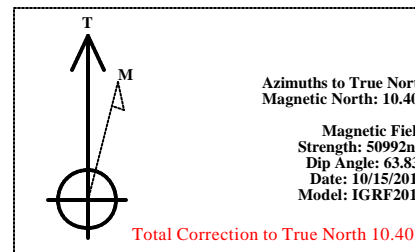
SITE DETAILS

Goodman Point #23
1544' FNL & 448' FEL

Site Centre Latitude: 37°25'24.528N
Longitude: 108°50'52.836W

Ground Level: 6460.00
Positional Uncertainty: 0.00
Convergence: -2.05

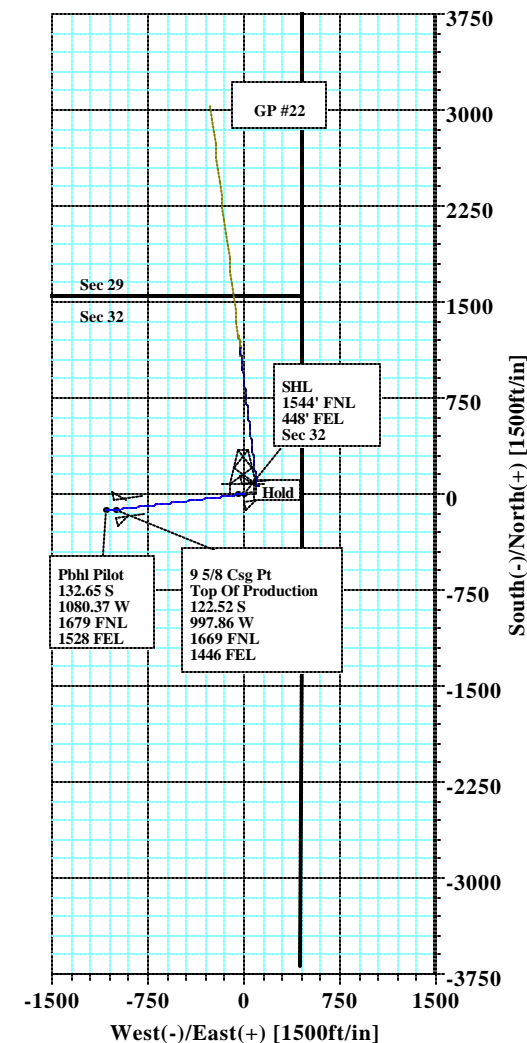
FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	4898.00	4922.78	Upper Hermosa
2	6043.00	6095.58	Paradox
3	6405.00	6466.37	Desert Creek
4	6588.00	6653.81	Paradox Salt
5	6897.00	6970.31	Killer Shales
6	7815.00	7910.60	Base Salt
7	8091.00	8193.30	Lower Hermosa
8	8187.00	8291.63	Molas
9	8319.00	8426.84	Leadville
10	8645.00	8760.75	Base Of Leadville



LEGEND	
—	22 (Lat)
—	22 (Pilot Hole)
—	Plan #4



CASING DETAILS				
No.	TVD	MD	Name	Size
1	3565.00	3565.00	13 3/8"	13.375
2	8344.00	8452.44	9 5/8"	9.625



Plan: Plan #4 (23/Pilot Hole)
Created By: Keith Noack
Date: 3/22/2011



Company: Kinder Morgan Field: Montezuma Co., CO (NAD83) Site: Goodman Point #23 Well: 23 Wellpath: Pilot Hole	Date: 3/21/2011 Co-ordinate(NE) Reference: Well: 23, True North Vertical (TVD) Reference: SITE 6480.0 Section (VS) Reference: Well (0.00N,0.00E,263.00Azi) Survey Calculation Method: Minimum Curvature	Time: 12:56:30 Page: 1 Db: Sybase
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Plan: Plan #4 Principal: Yes	Date Composed: 3/21/2011 Version: 1 Tied-to: 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 #23

1544' FNL & 448' FEL

Site Position:	Northing: 1292994.48 ft	Latitude: 37 25 24.528 N	
From: Geographic	Easting: 2027961.87 ft	Longitude: 108 50 52.836 W	
Position Uncertainty: 0.00 ft		North Reference: True	
Ground Level: 6460.00 ft		Grid Convergence: -2.05 deg	

Well: 23

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 1292994.48 ft	Latitude: 37 25 24.528 N	
+E/-W 0.00 ft	Easting : 2027961.87 ft	Longitude: 108 50 52.836 W	
Position Uncertainty: 0.00 ft			

Wellpath: Pilot Hole

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 10.40 deg
Mag Dip Angle: 63.83 deg

Current Datum: SITE	Height 6480.00 ft	
Magnetic Data: 10/15/2011		
Field Strength: 50992 nT		
Vertical Section: Depth From (TVD)	+N/-S	+E/-W
ft	ft	ft
0.00	0.00	0.00
		263.00

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	263.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	263.00	3600.00	0.00	0.00	0.00	0.00	0.00	263.00	
4016.67	12.50	263.00	4013.37	-5.52	-44.93	3.00	3.00	0.00	263.00	
8836.55	12.50	263.00	8719.00	-132.65	-1080.37	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
3500.00	0.00	263.00	3500.00	0.00	0.00	0.00	0.00	1292994.48	2027961.87	
3565.00	0.00	263.00	3565.00	0.00	0.00	0.00	0.00	1292994.48	2027961.87	13 3/8"
3600.00	0.00	263.00	3600.00	0.00	0.00	0.00	0.00	1292994.48	2027961.87	KOP
3700.00	3.00	263.00	3699.95	-0.32	-2.60	2.62	3.00	1292994.26	2027959.26	
3800.00	6.00	263.00	3799.63	-1.28	-10.38	10.46	3.00	1292993.58	2027951.44	
3900.00	9.00	263.00	3898.77	-2.87	-23.34	23.51	3.00	1292992.45	2027938.44	
4000.00	12.00	263.00	3997.08	-5.09	-41.42	41.74	3.00	1292990.88	2027920.29	
4016.67	12.50	263.00	4013.37	-5.52	-44.93	45.27	3.00	1292990.58	2027916.77	Hold
4100.00	12.50	263.00	4094.73	-7.72	-62.84	63.31	0.00	1292989.02	2027898.80	
4200.00	12.50	263.00	4192.36	-10.35	-84.32	84.95	0.00	1292987.16	2027877.23	
4300.00	12.50	263.00	4289.99	-12.99	-105.80	106.60	0.00	1292985.29	2027855.67	
4400.00	12.50	263.00	4387.62	-15.63	-127.28	128.24	0.00	1292983.42	2027834.11	
4500.00	12.50	263.00	4485.25	-18.27	-148.77	149.88	0.00	1292981.56	2027812.54	
4600.00	12.50	263.00	4582.88	-20.90	-170.25	171.53	0.00	1292979.69	2027790.98	
4700.00	12.50	263.00	4680.50	-23.54	-191.73	193.17	0.00	1292977.82	2027769.42	
4800.00	12.50	263.00	4778.13	-26.18	-213.21	214.82	0.00	1292975.96	2027747.85	
4900.00	12.50	263.00	4875.76	-28.82	-234.70	236.46	0.00	1292974.09	2027726.29	



WFT Plan Report - X & Y's

Company:	Kinder Morgan	Date:	3/21/2011	Time:	12:56:30	Page:	2
Field:	Montezuma Co., CO (NAD83)	Co-ordinate(NE) Reference:	Well: 23, True North				
Site:	Goodman Point #23	Vertical (TVD) Reference:	SITE 6480.0				
Well:	23	Section (VS) Reference:	Well (0.00N,0.00E,263.00Azi)				
Wellpath:	Pilot Hole	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
4922.78	12.50	263.00	4898.00	-29.42	-239.59	241.39	0.00	1292973.67	20277721.38	Upper Hermosa
5000.00	12.50	263.00	4973.39	-31.45	-256.18	258.10	0.00	1292972.23	20277704.73	
5100.00	12.50	263.00	5071.02	-34.09	-277.66	279.75	0.00	1292970.36	2027683.16	
5200.00	12.50	263.00	5168.65	-36.73	-299.14	301.39	0.00	1292968.49	2027661.60	
5300.00	12.50	263.00	5266.28	-39.37	-320.63	323.04	0.00	1292966.63	2027640.04	
5400.00	12.50	263.00	5363.91	-42.01	-342.11	344.68	0.00	1292964.76	2027618.47	
5500.00	12.50	263.00	5461.54	-44.64	-363.59	366.32	0.00	1292962.90	2027596.91	
5600.00	12.50	263.00	5559.17	-47.28	-385.08	387.97	0.00	1292961.03	2027575.35	
5700.00	12.50	263.00	5656.80	-49.92	-406.56	409.61	0.00	1292959.16	2027553.78	
5800.00	12.50	263.00	5754.43	-52.56	-428.04	431.26	0.00	1292957.30	2027532.22	
5900.00	12.50	263.00	5852.06	-55.19	-449.52	452.90	0.00	1292955.43	2027510.66	
6000.00	12.50	263.00	5949.69	-57.83	-471.01	474.54	0.00	1292953.56	2027489.09	
6095.58	12.50	263.00	6043.00	-60.35	-491.54	495.23	0.00	1292951.78	2027468.48	Paradox
6100.00	12.50	263.00	6047.32	-60.47	-492.49	496.19	0.00	1292951.70	2027467.53	
6200.00	12.50	263.00	6144.95	-63.11	-513.97	517.83	0.00	1292949.83	2027445.97	
6300.00	12.50	263.00	6242.58	-65.75	-535.45	539.48	0.00	1292947.97	2027424.40	
6400.00	12.50	263.00	6340.21	-68.38	-556.94	561.12	0.00	1292946.10	2027402.84	
6466.37	12.50	263.00	6405.00	-70.13	-571.19	575.48	0.00	1292944.86	2027388.53	
6500.00	12.50	263.00	6437.84	-71.02	-578.42	582.76	0.00	1292944.23	2027381.28	
6600.00	12.50	263.00	6535.47	-73.66	-599.90	604.41	0.00	1292942.37	2027359.71	
6653.81	12.50	263.00	6588.00	-75.08	-611.46	616.05	0.00	1292941.36	2027348.11	
6700.00	12.50	263.00	6633.10	-76.30	-621.38	626.05	0.00	1292940.50	2027338.15	
6800.00	12.50	263.00	6730.73	-78.93	-642.87	647.69	0.00	1292938.63	2027316.59	Paradox Salt
6900.00	12.50	263.00	6828.36	-81.57	-664.35	669.34	0.00	1292936.77	2027295.02	
6970.31	12.50	263.00	6897.00	-83.43	-679.45	684.56	0.00	1292935.46	2027279.86	
7000.00	12.50	263.00	6925.99	-84.21	-685.83	690.98	0.00	1292934.90	2027273.46	
7100.00	12.50	263.00	7023.62	-86.85	-707.31	712.63	0.00	1292933.04	2027251.90	
7200.00	12.50	263.00	7121.24	-89.49	-728.80	734.27	0.00	1292931.17	2027230.33	
7300.00	12.50	263.00	7218.87	-92.12	-750.28	755.91	0.00	1292929.30	2027208.77	
7400.00	12.50	263.00	7316.50	-94.76	-771.76	777.56	0.00	1292927.44	2027187.21	
7500.00	12.50	263.00	7414.13	-97.40	-793.25	799.20	0.00	1292925.57	2027165.64	
7600.00	12.50	263.00	7511.76	-100.04	-814.73	820.85	0.00	1292923.70	2027144.08	
7700.00	12.50	263.00	7609.39	-102.67	-836.21	842.49	0.00	1292921.84	2027122.52	
7800.00	12.50	263.00	7707.02	-105.31	-857.69	864.13	0.00	1292919.97	2027100.95	
7900.00	12.50	263.00	7804.65	-107.95	-879.18	885.78	0.00	1292918.11	2027079.39	
7910.60	12.50	263.00	7815.00	-108.23	-881.45	888.07	0.00	1292917.91	2027077.10	Base Salt
8000.00	12.50	263.00	7902.28	-110.59	-900.66	907.42	0.00	1292916.24	2027057.83	
8100.00	12.50	263.00	7999.91	-113.22	-922.14	929.07	0.00	1292914.37	2027036.26	
8193.30	12.50	263.00	8091.00	-115.69	-942.18	949.26	0.00	1292912.63	2027016.14	Lower Hermosa
8200.00	12.50	263.00	8097.54	-115.86	-943.62	950.71	0.00	1292912.51	2027014.70	
8291.63	12.50	263.00	8187.00	-118.28	-963.31	970.54	0.00	1292910.80	2026994.94	
8300.00	12.50	263.00	8195.17	-118.50	-965.11	972.35	0.00	1292910.64	2026993.14	Molas
8400.00	12.50	263.00	8292.80	-121.14	-986.59	994.00	0.00	1292908.77	2026971.57	
8426.84	12.50	263.00	8319.00	-121.85	-992.35	999.81	0.00	1292908.27	2026965.78	
8452.44	12.50	263.00	8344.00	-122.52	-997.86	1005.35	0.00	1292907.80	2026960.26	Leadville 9 5/8"
8500.00	12.50	263.00	8390.43	-123.78	-1008.07	1015.64	0.00	1292906.91	2026950.01	
8600.00	12.50	263.00	8488.06	-126.41	-1029.55	1037.29	0.00	1292905.04	2026928.45	
8700.00	12.50	263.00	8585.69	-129.05	-1051.04	1058.93	0.00	1292903.18	2026906.88	
8760.75	12.50	263.00	8645.00	-130.65	-1064.09	1072.08	0.00	1292902.04	2026893.78	
8800.00	12.50	263.00	8683.32	-131.69	-1072.52	1080.57	0.00	1292901.31	2026885.32	
8836.55	12.50	263.00	8719.00	-132.65	-1080.37	1088.48	0.00	1292900.63	2026877.44	Pbhl Pilot



Company: Kinder Morgan	Date: 3/21/2011	Time: 12:56:30	Page: 3
Field: Montezuma Co., CO (NAD83)	Co-ordinate(NE) Reference: Well: 23, True North		
Site: Goodman Point #23	Vertical (TVD) Reference: SITE 6480.0		
Well: 23	Section (VS) Reference: Well (0.00N,0.00E,263.00Azi)		
Wellpath: Pilot Hole	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Targets

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

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3565.00	3565.00	13.375	17.500	13 3/8"
8452.44	8344.00	9.625	12.250	9 5/8"

Annotation

MD ft	TVD ft	
3600.00	3600.00	KOP
4016.67	4013.37	Hold
8836.54	8718.99	Pbhl Pilot

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4922.78	4898.00	Upper Hermosa		0.00	0.00
6095.58	6043.00	Paradox		0.00	0.00
6466.37	6405.00	Desert Creek		0.00	0.00
6653.81	6588.00	Paradox Salt		0.00	0.00
6970.31	6897.00	Killer Shales		0.00	0.00
7910.60	7815.00	Base Salt		0.00	0.00
8193.30	8091.00	Lower Hermosa		0.00	0.00
8291.63	8187.00	Molas		0.00	0.00
8426.84	8319.00	Leadville		0.00	0.00
8760.75	8645.00	Base Of Leadville		0.00	0.00

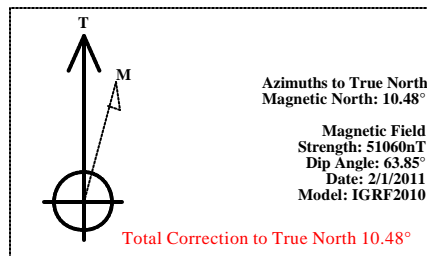
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8452.44	12.50	263.00	8344.00	-122.52	-997.85	0.00	0.00	1005.35	
2	8457.51	12.50	263.00	8348.95	-122.65	-998.94	0.00	0.00	1006.45	
3	8699.28	90.00	263.00	8489.00	-143.92	-1172.15	32.06	0.00	1180.95	
4	10518.33	90.00	263.00	8489.00	-365.61	-2977.64	0.00	0.00	3000.00	PBHL Lat

WELL DETAILS							
Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
23	0.00	0.00	1292994.48	2027961.87	37°25'24.528N	108°50'52.836W	N/A

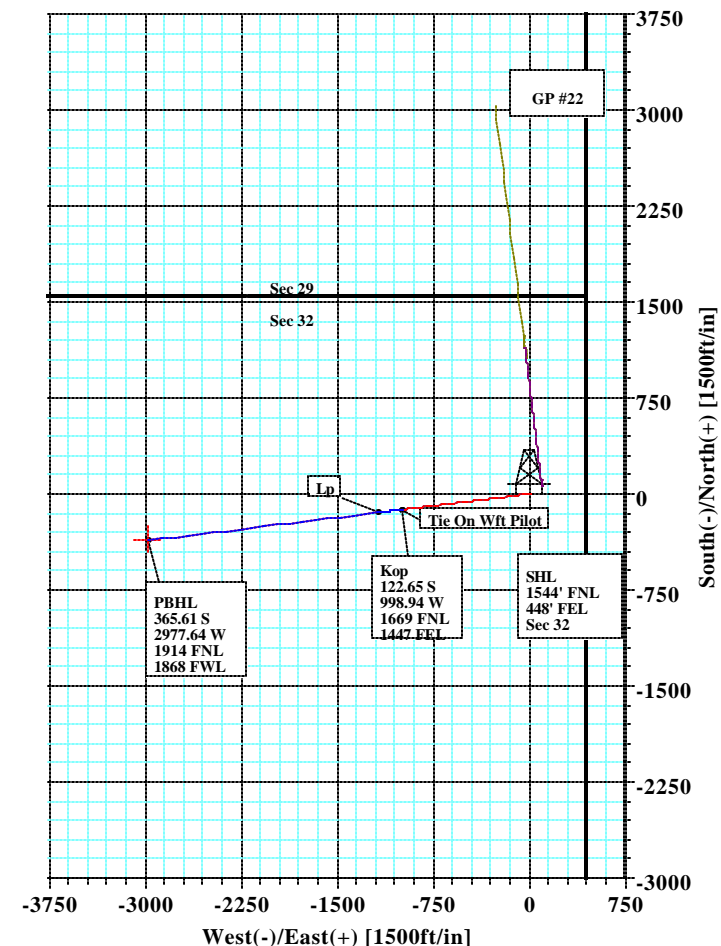
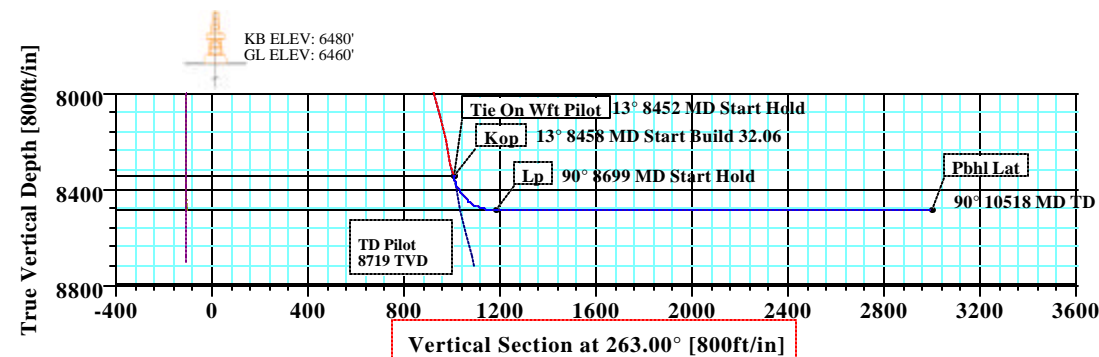
TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL Lat	8489.00	-365.61	-2977.64	1292735.81	2024973.04	37°25'20.912N	108°51'29.749W	Point

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 #23 1544' FNL & 448' FEL	
Site Centre Latitude:	37°25'24.528N
Longitude:	108°50'52.836W
Ground Level:	6460.00
Positional Uncertainty:	0.00
Convergence:	-2.05



LEGEND	
22 (Lat)	
22 (Pilot Hole)	
Plan #4	





Company: Kinder Morgan	Date: 3/21/2011	Time: 13:54:08	Page: 1
Field: Montezuma Co., CO (NAD83)	Co-ordinate(NE) Reference: Well: 23, True North		
Site: Goodman Point #23	Vertical (TVD) Reference: SITE 6480.0		
Well: 23	Section (VS) Reference: Well (0.00N,0.00E,263.00Azi)		
Wellpath: Lat	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #4	Date Composed: 9/8/2010
Principal: Yes	Version: 1
	Tied-to: 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 #23

1544' FNL & 448' FEL

Site Position:	Northing: 1292994.48 ft	Latitude: 37 25 24.528 N
From: Geographic	Easting: 2027961.87 ft	Longitude: 108 50 52.836 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 6460.00 ft		Grid Convergence: -2.05 deg

Well: 23

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 1292994.48 ft	Latitude: 37 25 24.528 N
+E/-W 0.00 ft	Easting: 2027961.87 ft	Longitude: 108 50 52.836 W
Position Uncertainty: 0.00 ft		

Wellpath: Lat

Current Datum: SITE	Height 6480.00 ft	Drilled From: Pilot Hole
Magnetic Data: 2/1/2011		Tie-on Depth: 8452.44 ft
Field Strength: 51060 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 10.48 deg
ft	ft	Mag Dip Angle: 63.85 deg
		+E/-W
		Direction
		deg
8489.00	0.00	0.00 263.00

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
8452.44	12.50	263.00	8344.00	-122.52	-997.85	0.00	0.00	0.00	0.00	
8457.51	12.50	263.00	8348.95	-122.65	-998.94	0.00	0.00	0.00	0.00	
8699.28	90.00	263.00	8489.00	-143.92	-1172.15	32.06	32.06	0.00	0.00	
10518.33	90.00	263.00	8489.00	-365.61	-2977.64	0.00	0.00	0.00	0.00	PBHL Lat

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
8452.44	12.50	263.00	8344.00	-122.52	-997.85	1005.35	0.00	1292907.80	2026960.26	Tie On Wft Pilot
8457.51	12.50	263.00	8348.95	-122.65	-998.94	1006.45	0.00	1292907.70	2026959.17	Kop
8552.44	42.93	263.00	8432.00	-127.97	-1042.25	1050.08	32.06	1292903.94	2026915.70	
8652.44	74.99	263.00	8482.90	-138.28	-1126.19	1134.64	32.06	1292896.65	2026831.45	
8699.28	90.00	263.00	8489.00	-143.92	-1172.15	1180.95	32.06	1292892.65	2026785.32	Lp
8752.44	90.00	263.00	8489.00	-150.40	-1224.91	1234.11	0.00	1292888.07	2026732.35	
8852.44	90.00	263.00	8489.00	-162.59	-1324.17	1334.11	0.00	1292879.45	2026632.73	
8952.44	90.00	263.00	8489.00	-174.77	-1423.42	1434.11	0.00	1292870.83	2026533.10	
9052.44	90.00	263.00	8489.00	-186.96	-1522.67	1534.11	0.00	1292862.20	2026433.47	
9152.44	90.00	263.00	8489.00	-199.15	-1621.93	1634.11	0.00	1292853.58	2026333.84	
9252.44	90.00	263.00	8489.00	-211.33	-1721.18	1734.11	0.00	1292844.96	2026234.22	
9352.44	90.00	263.00	8489.00	-223.52	-1820.44	1834.11	0.00	1292836.34	2026134.59	
9452.44	90.00	263.00	8489.00	-235.71	-1919.69	1934.11	0.00	1292827.71	2026034.96	
9552.44	90.00	263.00	8489.00	-247.90	-2018.95	2034.11	0.00	1292819.09	2025935.33	
9652.44	90.00	263.00	8489.00	-260.08	-2118.20	2134.11	0.00	1292810.47	2025835.71	
9752.44	90.00	263.00	8489.00	-272.27	-2217.46	2234.11	0.00	1292801.85	2025736.08	
9852.44	90.00	263.00	8489.00	-284.46	-2316.71	2334.11	0.00	1292793.22	2025636.45	



Company: Kinder Morgan Field: Montezuma Co., CO (NAD83) Site: Goodman Point #23 Well: 23 Wellpath: Lat	Date: 3/21/2011 Co-ordinate(NE) Reference: Well: 23, True North Vertical (TVD) Reference: SITE 6480.0 Section (VS) Reference: Well (0.00N,0.00E,263.00Azi) Survey Calculation Method: Minimum Curvature Db: Sybase	Page: 2
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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
9952.44	90.00	263.00	8489.00	-296.64	-2415.97	2434.11	0.00	1292784.60	2025536.82	
10052.44	90.00	263.00	8489.00	-308.83	-2515.22	2534.11	0.00	1292775.98	2025437.20	
10152.44	90.00	263.00	8489.00	-321.02	-2614.48	2634.11	0.00	1292767.36	2025337.57	
10252.44	90.00	263.00	8489.00	-333.20	-2713.73	2734.11	0.00	1292758.74	2025237.94	
10352.44	90.00	263.00	8489.00	-345.39	-2812.98	2834.11	0.00	1292750.11	2025138.31	
10452.44	90.00	263.00	8489.00	-357.58	-2912.24	2934.11	0.00	1292741.49	2025038.69	
10518.33	90.00	263.00	8489.00	-365.61	-2977.64	3000.00	0.00	1292735.81	2024973.04	PBHL Lat

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 Lat			8489.00	-365.61	-2977.64	1292735.81	2024973.04	37	25	20.912 N	108	51	29.749 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
8452.44	8344.00	Tie On Wft Pilot
8457.51	8348.95	Kop
8699.28	8489.00	Lp
10518.33	8489.00	Pbhl Lat

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: March 21, 2011
Job Number: _____
Customer: Kinder Morgan
Well Name: Goodman Point #23
API Number: _____
Rig Name: _____
Location: Montezuma Co., CO
Block: _____
Engineer: KRN

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 37.4234800 DEG	Latitude 37.4234800 DEG
Longitude -108.8480100 DEG	Longitude -108.8480100 DEG

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	37.42348° N	37° 25 min 24.528 sec
Longitude =	108.84801° W	108° 50 min 52.836 sec

Magnetic Declination =	10.40°	[True North Offset]
Local Gravity =	.9993 g	Checksum = 7453
Local Field Strength =	50987 nT	Magnetic Vector X = 22118 nT
Magnetic Dip =	63.83°	Magnetic Vector Y = 4059 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 45761 nT
Spud Date =	Oct 15, 2011	Magnetic Vector H = 22487 nT

Signed: _____

Date: _____