



Weatherford[®]
Drilling & Intervention
Services

Directional Drilling Services

April 20, 2004



END OF WELL
REPORT
FOR

Kinder Morgan
HE #5
Montezuma County, CO

Presented By

Chris Scrantz
Directional Drilling Coordinator

QUOTE NO. TXL0304D015

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Kinder Morgan E&P
Hovenweep/McElmo Field
HE Well #5
Montezuma County, Colorado
Plan vs Actual



FIELD DETAILS

Montezuma Co., CO

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: Colorado, Southern Zone
Magnetic Model: igrf2000

System Datum: Mean Sea Level
Local North: Grid North

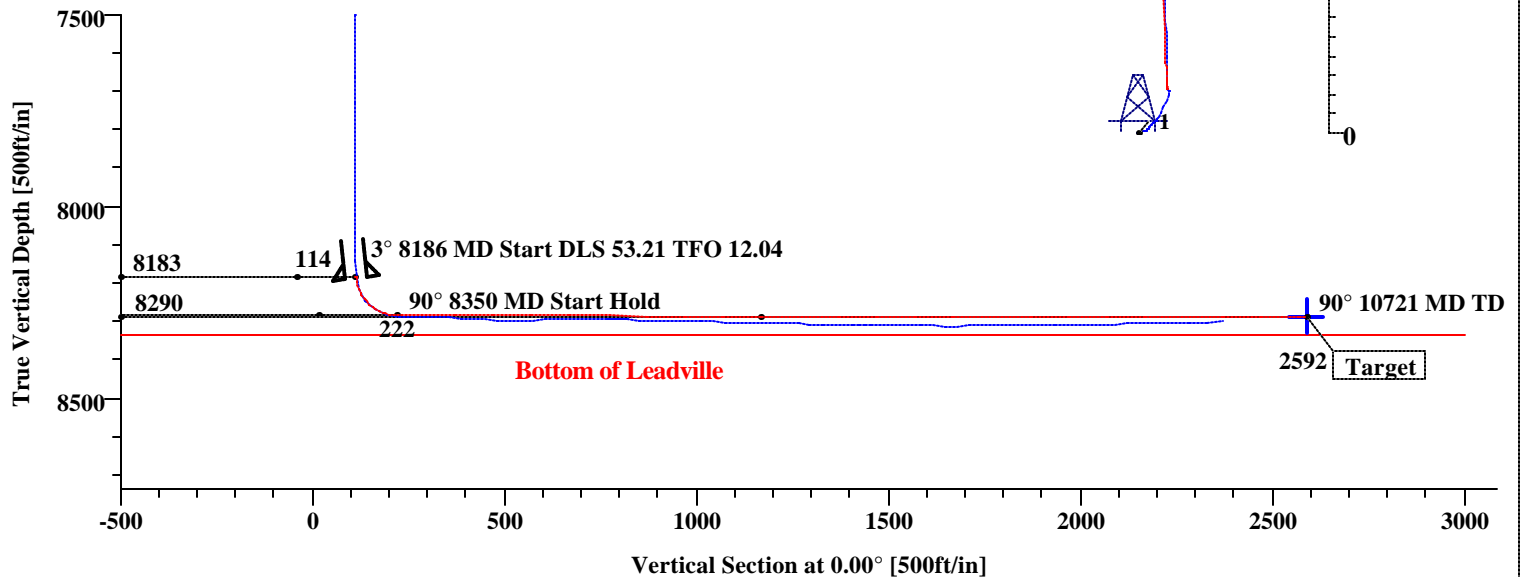
Surface Location
736 FSL & 1573 FEL
S36,T38N,R18W
ELEVATION: GL= 6490'

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8186.00	2.72	346.31	8182.65	114.49	73.10	0.00	0.00	114.49	
2	8349.94	89.89	358.33	8285.34	221.76	68.96	53.21	12.04	221.76	
3	10721.18	89.89	358.33	8290.00	2592.00	0.00	0.00	0.00	2592.00	Target

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Target	8290.00	2592.00	0.00	Point



Plan: HEN5.gpf32
Created By: Dwayne Smith Date: 02/19/04
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

Weatherford International, Inc.

Survey Report

Company: Kinder Morgan Field: Montezuma Co., CO Site: Section 36, T38N, R19W Well: HE #5 Wellpath: 1	Date: 4/20/2004 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 10:42:20 Site: Section 36, T38N, R19W, Grid North SITE 0.0 Well (0.00N,0.00E,0.00Azi) Minimum Curvature	Page: 1 Db: Adapti
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Survey: WFT MWD	Start Date: 4/5/2004
Company: Weatherford International, Inc	Engineer: Duane Herring
Tool:	Tied-to: From: Gyro Data Survey

Field: Montezuma Co., CO	
Map System: US State Plane Coordinate System 1927	Map Zone: Colorado, Southern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2000

Site: Section 36, T38N, R19W	
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 6504.00 ft	Northing: 322766.40 ft Easting: 1014536.75 ft Latitude: 37 30 14.000 N Longitude: 108 53 52.230 W North Reference: Grid Grid Convergence: -2.08 deg

Well: HE #5	Slot Name:
Well Position: +N/-S 0.00 ft Position Uncertainty: +E/-W 0.00 ft	Well Position: +N/-S 0.00 ft Position Uncertainty: +E/-W 0.00 ft

Annotation		
MD ft	TVD ft	
10500.00	8300.96	TD Projection

Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
8145.00	0.21	328.87	8141.67	113.48	73.37	113.48	0.00	135.13	32.88	
8189.00	2.90	346.40	8185.65	114.63	73.06	114.63	6.14	135.94	32.51	
8223.00	24.40	359.20	8218.50	122.58	72.76	122.58	63.47	142.55	30.69	
8255.00	41.50	1.50	8245.25	139.92	72.95	139.92	53.57	157.79	27.54	
8287.00	56.60	1.50	8266.17	164.01	73.58	164.01	47.19	179.76	24.16	
8308.00	66.30	359.30	8276.19	182.43	73.69	182.43	47.09	196.75	22.00	
8323.00	72.80	359.50	8281.43	196.48	73.54	196.48	43.35	209.79	20.52	
8355.00	83.20	356.00	8288.08	227.71	72.30	227.71	34.21	238.91	17.61	
8387.00	88.30	358.70	8290.45	259.57	70.83	259.57	18.02	269.06	15.26	
8419.00	89.60	358.10	8291.03	291.55	69.93	291.55	4.47	299.82	13.49	
8450.00	90.20	356.50	8291.09	322.52	68.47	322.52	5.51	329.71	11.99	
8482.00	89.70	358.70	8291.12	354.49	67.13	354.49	7.05	360.79	10.72	
8514.00	86.70	0.00	8292.12	386.46	66.77	386.46	10.22	392.19	9.80	
8546.00	86.30	0.60	8294.07	418.40	66.94	418.40	2.25	423.72	9.09	
8578.00	86.20	0.04	8296.17	450.34	67.11	450.34	1.77	455.31	8.48	
8609.00	89.40	359.50	8297.36	481.31	66.99	481.31	10.47	485.95	7.92	
8641.00	89.80	358.30	8297.58	513.30	66.38	513.30	3.95	517.57	7.37	
8671.00	89.60	359.70	8297.74	543.29	65.85	543.29	4.71	547.27	6.91	
8702.00	90.90	359.60	8297.60	574.29	65.66	574.29	4.21	578.04	6.52	
8735.00	91.80	359.60	8296.82	607.28	65.43	607.28	2.73	610.80	6.15	
8768.00	92.40	359.60	8295.62	640.26	65.20	640.26	1.82	643.57	5.81	
8798.00	90.90	359.10	8294.75	670.24	64.86	670.24	5.27	673.38	5.53	
8829.00	89.90	2.80	8294.54	701.23	65.38	701.23	12.36	704.27	5.33	
8861.00	89.00	0.50	8294.84	733.22	66.30	733.22	7.72	736.21	5.17	
8893.00	89.40	355.70	8295.29	765.19	65.24	765.19	15.05	767.96	4.87	
8948.00	88.60	0.70	8296.25	820.13	63.51	820.13	9.21	822.59	4.43	
8980.00	88.80	0.40	8296.98	852.12	63.82	852.12	1.13	854.51	4.28	

Survey Report

Company:	Kinder Morgan	Date:	4/20/2004	Time:	10:42:20	Page:	2
Field:	Montezuma Co., CO	Co-ordinate(NE) Reference:	Site: Section 36, T38N, R19W, Grid North				
Site:	Section 36, T38N, R19W	Vertical (TVD) Reference:	SITE 0.0				
Well:	HE #5	Section (VS) Reference:	Well (0.00N,0.00E,0.00Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature				
		Db:	Adapti				

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
9012.00	89.40	359.40	8297.48	884.12	63.76	884.12	3.64	886.41	4.12	
9043.00	89.60	0.60	8297.75	915.12	63.76	915.12	3.92	917.34	3.99	
9075.00	88.20	0.60	8298.36	947.11	64.10	947.11	4.37	949.27	3.87	
9107.00	88.20	1.00	8299.37	979.09	64.54	979.09	1.25	981.21	3.77	
9139.00	88.10	0.70	8300.40	1011.07	65.02	1011.07	0.99	1013.16	3.68	
9170.00	88.10	0.20	8301.43	1042.05	65.26	1042.05	1.61	1044.09	3.58	
9202.00	88.20	359.20	8302.46	1074.03	65.09	1074.03	3.14	1076.00	3.47	
9234.00	88.40	359.10	8303.41	1106.02	64.62	1106.02	0.70	1107.90	3.34	
9266.00	88.50	358.80	8304.28	1138.00	64.03	1138.00	0.99	1139.80	3.22	
9298.00	88.80	358.90	8305.03	1169.98	63.39	1169.98	0.99	1171.70	3.10	
9330.00	88.70	358.30	8305.73	1201.97	62.61	1201.97	1.90	1203.60	2.98	
9362.00	88.70	358.00	8306.46	1233.94	61.58	1233.94	0.94	1235.48	2.86	
9394.00	88.40	357.10	8307.27	1265.90	60.21	1265.90	2.96	1267.33	2.72	
9425.00	88.20	357.20	8308.18	1296.85	58.67	1296.85	0.72	1298.18	2.59	
9459.00	88.20	356.10	8309.25	1330.77	56.68	1330.77	3.23	1331.98	2.44	
9481.00	88.90	356.40	8309.81	1352.72	55.24	1352.72	3.46	1353.85	2.34	
9523.00	89.40	356.00	8310.43	1394.62	52.46	1394.62	1.52	1395.61	2.15	
9586.00	90.10	356.10	8310.71	1457.47	48.12	1457.47	1.12	1458.27	1.89	
9616.00	90.40	357.00	8310.58	1487.42	46.32	1487.42	3.16	1488.14	1.78	
9648.00	89.00	356.50	8310.74	1519.36	44.50	1519.36	4.65	1520.02	1.68	
9680.00	88.70	358.00	8311.39	1551.32	42.97	1551.32	4.78	1551.91	1.59	
9713.00	89.30	356.20	8311.96	1584.27	41.30	1584.27	5.75	1584.81	1.49	
9744.00	89.00	356.10	8312.42	1615.20	39.22	1615.20	1.02	1615.67	1.39	
9775.00	89.40	356.50	8312.86	1646.13	37.22	1646.13	1.82	1646.55	1.30	
9807.00	90.60	357.00	8312.86	1678.08	35.40	1678.08	4.06	1678.45	1.21	
9839.00	91.00	356.60	8312.41	1710.02	33.62	1710.02	1.77	1710.36	1.13	
9871.00	90.30	356.50	8312.05	1741.96	31.69	1741.96	2.21	1742.25	1.04	
9903.00	90.60	359.60	8311.79	1773.94	30.60	1773.94	9.73	1774.20	0.99	
9935.00	91.50	358.60	8311.21	1805.93	30.10	1805.93	4.20	1806.18	0.95	
9967.00	90.60	358.10	8310.62	1837.91	29.18	1837.91	3.22	1838.14	0.91	
9998.00	91.20	358.30	8310.13	1868.89	28.20	1868.89	2.04	1869.11	0.86	
10030.00	91.70	358.70	8309.32	1900.87	27.37	1900.87	2.00	1901.07	0.82	
10062.00	90.10	358.60	8308.82	1932.86	26.61	1932.86	5.01	1933.04	0.79	
10094.00	89.40	358.40	8308.96	1964.85	25.77	1964.85	2.28	1965.01	0.75	
10125.00	90.30	358.90	8309.04	1995.84	25.04	1995.84	3.32	1995.99	0.72	
10157.00	91.30	359.00	8308.60	2027.83	24.46	2027.83	3.14	2027.98	0.69	
10189.00	90.50	359.20	8308.09	2059.82	23.96	2059.82	2.58	2059.96	0.67	
10220.00	91.20	359.30	8307.63	2090.81	23.55	2090.81	2.28	2090.95	0.65	
10252.00	91.30	358.20	8306.94	2122.80	22.85	2122.80	3.45	2122.92	0.62	
10284.00	91.30	358.50	8306.21	2154.78	21.93	2154.78	0.94	2154.89	0.58	
10316.00	90.10	359.70	8305.82	2186.77	21.43	2186.77	5.30	2186.87	0.56	
10347.00	90.20	357.80	8305.74	2217.76	20.75	2217.76	6.14	2217.86	0.54	
10379.00	90.70	357.50	8305.49	2249.73	19.44	2249.73	1.82	2249.82	0.50	
10411.00	91.90	357.10	8304.76	2281.69	17.93	2281.69	3.95	2281.76	0.45	
10443.00	92.50	357.00	8303.53	2313.62	16.29	2313.62	1.90	2313.68	0.40	
10458.00	92.60	357.10	8302.86	2328.59	15.52	2328.59	0.94	2328.64	0.38	
10500.00	92.60	357.10	8300.96	2370.49	13.39	2370.49	0.00	2370.53	0.32	TD Projection



WFT Job #:	TXL0304D015	Report Time:	2400	1 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Monday, March 29, 2004 at 0000 to Monday, March 29, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters												
Start Depth		0.00	Rotary Hours		0.00	WOB		0	Pick UP		0	Slack Off		0	SPM		
End Depth		0.00	Circulating Hours		0.00	RAB		0	SPP		0	FlowRate		0	0		
Total Drilled:		0.00	Avg. Total ROP:		NA	Mud Data											
Total Rotary Drilled:		0.00	Avg. Rotary ROP:		NA	Type						PV		0	SOLID		0
Total Drilled Sliding:		0.00	Avg. Slide ROP:		NA	Weight		0	GAS		0	YP		0	BHT°		0
Slide Hours		0.00	Percent Rotary:		NA	Viscosity		0	SAND		0	PH		0	Flow T°		0
Below Rotary Hrs.		24.00	Percent Slide:		NA	Chlorides		0	WL		0			Oil %		0	
PERSONNEL					CASING							BHA					
Lead Directional :		Tim Kilpatrick			Size		Lb/ft		Set Depth			N/A					
Second Directional :		Stephen Kenne															
MWD Operator1		Shannon Naylor															
MWD Operator2		Jeff Ruddock															
Directional Company:		Weatherford Directional Services															
Geologist:					Signature:												
Company Man:		Jimmy Hale															
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Daily Cost					
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Cummulative Cost:					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
29-Mar-04	00:00	24:00	24.00	0	0	Other	Arrive on Location Pump LCM Pill & TOH



WFT Job #:	TXL0304D015	Report Time:	2400	2 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Tuesday, March 30, 2004 at 0000 to Tuesday, March 30, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	8190.00	Rotary Hours	0.50	WOB	0	Pick UP	0	Slack Off	0	SPM	
End Depth	8190.00	Circulating Hours	0.00	RAB	0	SPP	0	FlowRate	0		0
Total Drilled:	0.00	Avg. Total ROP:	.00	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	.00	Type	Water			PV	0	SOLID	0
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.3	GAS	0	YP	0	BHT°	0
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	27	SAND	0	PH	11.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	NA	Chlorides	220	WL	0			Oil %	0

PERSONNEL				CASING			BHA	
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth	N/A	
Second Directional :	Stephen Kenne							
MWD Operator1	Shannon Naylor							
MWD Operator2	Jeff Ruddock							
Directional Company:	Weatherford Directional Services							
Geologist:				Signature:				
Company Man:	Jimmy Hale					Daily Cost		
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
30-Mar-04	00:00	10:00	10.00	8190	8190	Other	TIH, Run Gamma Logs & Pump Cement Plug
30-Mar-04	10:00	20:00	10.00	8190	8190	Other	Wait on Cement
30-Mar-04	20:00	23:30	3.50	8190	8190	TIH	
30-Mar-04	23:30	24:00	0.50	8190	8190	Drilling Cement	Tag Cement @ 8002, Drill 10 ft. Circ.



WFT Job #:	TXL0304D015	Report Time:	2400	3 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Wednesday, March 31, 2004 at 0000 to Wednesday, March 31, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	8000.00	Rotary Hours	9.00	WOB	10	Pick UP	135	Slack Off	135	SPM		
End Depth	8186.00	Circulating Hours	3.00	RAB	135	SPP	710	FlowRate	202	140		
Total Drilled:	186.00	Avg. Total ROP:	20.67	Mud Data								
Total Rotary Drilled:	186.00	Avg. Rotary ROP:	20.67	Type	Water			PV	0	SOLID	0	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.3	GAS	0	YP	0	BHT°	0	
Slide Hours	0.00	Percent Rotary:	100.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0	
Below Rotary Hrs.	24.00	Percent Slide:	.00	Chlorides	220	WL	0			Oil %	0	
PERSONNEL				CASING				BHA				
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth	N/A					
Second Directional :	Stephen Kenne			Signature:								
MWD Operator1	Shannon Naylor											
MWD Operator2	Jeff Ruddock											
Directional Company:	Weatherford Directional Services											
Geologist:												
Company Man:	Jimmy Hale						Daily Cost					
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-Mar-04	00:00	02:00	2.00	8000	8010	Drilling Cement	Dress Cement F/ 8000 - 8010
31-Mar-04	02:00	02:30	0.50	8010	8010	POOH	TOH w/ 4 stds
31-Mar-04	02:30	08:00	5.50	8010	8010	Other	WOC
31-Mar-04	08:00	15:00	7.00	8010	8186	Drilling Cement	Dress Cement F/ 8010 - 8186
31-Mar-04	15:00	18:00	3.00	8186	8186	Circulating	
31-Mar-04	18:00	23:30	5.50	8186	8186	POOH	
31-Mar-04	23:30	24:00	0.50	8186	8186	Other	Safety Meeting



WFT Job #:	TXL0304D015	Report Time:	2400	4 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Thursday, April 01, 2004 at 0000 to Thursday, April 01, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	8186.00	Rotary Hours	0.00	WOB	12	Pick UP	118	Slack Off	95	SPM		
End Depth	8203.00	Circulating Hours	0.00	RAB	0	SPP	740	FlowRate	130	97		
Total Drilled:	17.00	Avg. Total ROP:	1.79	Mud Data								
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	Water			PV	0	SOLID	0	
Total Drilled Sliding:	17.00	Avg. Slide ROP:	1.79	Weight	8.3	GAS	0	YP	0	BHT°	0	
Slide Hours	9.50	Percent Rotary:	.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0	
Below Rotary Hrs.	24.00	Percent Slide:	100.00	Chlorides	220	WL	0			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 1:STC, XR30, no jets, 7/8 Lobe, 2.3 Stage, 3.94 Bend, Float Sub, UBHO, Flex NMDC, Flex NMDC, Flex NMDC, 30 Jt's 2 7/8 Tubing, X-Over,				
Second Directional :	Stephen Kenne			Signature:								
MWD Operator1	Shannon Naylor											
MWD Operator2	Jeff Ruddock											
Directional Company:	Weatherford Directional Services											
Geologist:												
Company Man:	Jimmy Hale							Daily Cost				
Incl. In:	0.29	Azm. In:	346.4	Incl. Out:	0.29	Azm. Out:	346.4	Cummulative Cost:				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Apr-04	00:00	02:00	2.00	8186	8186	Change BHA	P/U Dir. Tools
1-Apr-04	02:00	07:00	5.00	8186	8186	TIH	TIH & Fill Pipe every 45 stds
1-Apr-04	07:00	14:30	7.50	8186	8186	Wireline	Tag Bottom, Rig Up Wireline, RIH w/Gryo
1-Apr-04	14:30	23:30	9.00	8186	8199	Sliding	Time Drill 2 ft./hr.
1-Apr-04	23:30	24:00	0.50	8199	8203	Sliding	



WFT Job #:	TXL0304D015	Report Time:	2400	5 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Friday, April 02, 2004 at 0000 to Friday, April 02, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	8203.00	Rotary Hours	0.00	WOB	13	Pick UP	118	Slack Off	95	SPM		
End Depth	8240.00	Circulating Hours	1.00	RAB	0	SPP	100	FlowRate	165	117		
Total Drilled:	37.00	Avg. Total ROP:	3.22	Mud Data								
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	Water			PV	0	SOLID	0	
Total Drilled Sliding:	37.00	Avg. Slide ROP:	3.22	Weight	8.3	GAS	0	YP	0	BHT°	0	
Slide Hours	11.50	Percent Rotary:	.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0	
Below Rotary Hrs.	24.00	Percent Slide:	100.00	Chlorides	220	WL	0			Oil %	0	
PERSONNEL				CASING				BHA				
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 1:STC, XR30, no jets, 7/8 Lobe, 2.3 Stage, 3.94 Bend, Float Sub, UBHO, Flex NMDC, Flex NMDC, Flex NMDC, 30 Jt's 2 7/8 Tubing, X-Over,				
Second Directional :	Stephen Kenne			Signature:								
MWD Operator1	Shannon Naylor											
MWD Operator2	Jeff Ruddock											
Directional Company:	Weatherford Directional Services											
Geologist:												
Company Man:	Jimmy Hale							Daily Cost				
Incl. In:	0.29	Azm. In:	346.4	Incl. Out:	41.5	Azm. Out:	1.5	Cummulative Cost:				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Apr-04	00:00	04:00	4.00	8203	8221	Sliding	Slide 355 Gyro TF
2-Apr-04	04:00	05:00	1.00	8221	8221	Wireline	Wireline Gyro Out
2-Apr-04	05:00	05:30	0.50	8221	8221	Other	Rig Up Sterring Tool
2-Apr-04	05:30	09:30	4.00	8221	8221	Wireline	RIH w/ Sterring Tool & TIH w/ 3 jts DP
2-Apr-04	09:30	12:00	2.50	8221	8229	Sliding	Slide 15R HS TF
2-Apr-04	12:00	13:30	1.50	8229	8229	Other	Sterring Tool Repair
2-Apr-04	13:30	16:30	3.00	8229	8233	Sliding	Slide / Hanging Up
2-Apr-04	16:30	17:00	0.50	8233	8233	POOH	Pump Out Hole w/ 2 jts DP & wash back in
2-Apr-04	17:00	19:00	2.00	8233	8240	Sliding	HS TF
2-Apr-04	19:00	20:00	1.00	8240	8240	Circulating	Circulate Bottoms Up
2-Apr-04	20:00	22:00	2.00	8240	8240	POOH	POOH 2 Stds, Wireline Out Steering Tool
2-Apr-04	22:00	24:00	2.00	8240	8240	POOH	



WFT Job #:	TXL0304D015	Report Time:	2400	6 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Saturday, April 03, 2004 at 0000 to Saturday, April 03, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	8240.00	Rotary Hours	0.00	WOB	13	Pick UP	118	Slack Off	95	SPM	
End Depth	8340.00	Circulating Hours	1.00	RAB	0	SPP	1000	FlowRate	165	117	
Total Drilled:	100.00	Avg. Total ROP:	14.81	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	Water			PV	0	SOLID	0
Total Drilled Sliding:	100.00	Avg. Slide ROP:	14.81	Weight	8.3	GAS	0	YP	0	BHT°	0
Slide Hours	6.75	Percent Rotary:	.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	100.00	Chlorides	220	WL	0			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 2:STC, XR30, no jets, 7/8 Lobe, 2.3 Stage, 3.06 Bend, Float Sub, UBHO, Flex NMDC, Flex NMDC, Flex NMDC, 30 Jt's 2 7/8 Tubing, X-Over,			
Second Directional :	Stephen Kenne			Signature:							
MWD Operator1	Shannon Naylor										
MWD Operator2	Jeff Ruddock										
Directional Company:	Weatherford Directional Services										
Geologist:											
Company Man:	Jimmy Hale							Daily Cost			
Incl. In:	41.5	Azm. In:	1.5	Incl. Out:	66.3	Azm. Out:	359.3	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Apr-04	00:00	02:00	2.00	8240	8240	POOH	
3-Apr-04	02:00	03:00	1.00	8240	8240	Change BHA	Adjust Bend to 3.06 deg.
3-Apr-04	03:00	07:45	4.75	8240	8240	TIH	
3-Apr-04	07:45	08:45	1.00	8240	8240	Wireline	RIH w/Steering Tool
3-Apr-04	08:45	09:30	0.75	8240	8240	TIH	
3-Apr-04	09:30	10:45	1.25	8240	8255	Sliding	HS TF 13k WOB
3-Apr-04	10:45	11:00	0.25	8255	8255	Survey & Conn.	
3-Apr-04	11:00	12:45	1.75	8255	8287	Sliding	HS TF 13k WOB
3-Apr-04	12:45	13:00	0.25	8287	8287	Survey & Conn.	
3-Apr-04	13:00	15:30	2.50	8287	8319	Sliding	HS TF 13k WOB
3-Apr-04	15:30	15:45	0.25	8319	8319	Survey & Conn.	
3-Apr-04	15:45	17:00	1.25	8319	8340	Sliding	HS TF 13k WOB
3-Apr-04	17:00	18:00	1.00	8340	8340	Circulating	Circulate Bottoms Up
3-Apr-04	18:00	19:00	1.00	8340	8340	POOH	POOH to W/C
3-Apr-04	19:00	20:00	1.00	8340	8340	Wireline	POOH w/Steering Tool
3-Apr-04	20:00	24:00	4.00	8340	8340	POOH	



WFT Job #:	TXL0304D015	Report Time:	2400	7 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Sunday, April 04, 2004 at 0000 to Sunday, April 04, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters									
Start Depth	8340.00	Rotary Hours	1.42	WOB	10	Pick UP	118	Slack Off	95	SPM				
End Depth	8440.00	Circulating Hours	2.00	RAB	0	SPP	450	FlowRate	165	75				
Total Drilled:	100.00	Avg. Total ROP:	17.14	Mud Data										
Total Rotary Drilled:	43.00	Avg. Rotary ROP:	30.35	Type	Water				PV	0	SOLID	0		
Total Drilled Sliding:	57.00	Avg. Slide ROP:	12.91	Weight	8.3	GAS	0	YP	0	BHT°	0			
Slide Hours	4.42	Percent Rotary:	43.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0			
Below Rotary Hrs.	24.00	Percent Slide:	57.00	Chlorides	220	WL	0			Oil %	0			
PERSONNEL				CASING					BHA					
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 3:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.5 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 52 Jt's 2 7/8 Tubing, X-Over,						
Second Directional :	Stephen Kenne			Signature:										
MWD Operator1	Shannon Naylor													
MWD Operator2	Jeff Ruddock													
Directional Company:	Weatherford Directional Services													
Geologist:														
Company Man:	Jimmy Hale						Daily Cost							
Incl. In:	88.3	Azm. In:	358.7	Incl. Out:	89.4	Azm. Out:	355.7	Cummulative Cost:						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
4-Apr-04	00:00	02:00	2.00	8340	8340	Change BHA	P/U BHA # 3, Steerable Assy.
4-Apr-04	02:00	06:30	4.50	8340	8340	TIH	
4-Apr-04	06:30	07:00	0.50	8340	8340	Other	Safety Meeting
4-Apr-04	07:00	13:00	6.00	8340	8340	Wireline	RIH w/ Steering Tool & seat, made 2 runs
4-Apr-04	13:00	15:00	2.00	8340	8340	Circulating	Wash thru Curve & Install rotating head rubber
4-Apr-04	15:00	16:30	1.50	8340	8365	Sliding	HS TF
4-Apr-04	16:30	16:35	0.08	8365	8365	Survey & Conn.	SD 8323 72.8 359.5
4-Apr-04	16:35	19:30	2.92	8365	8397	Sliding	HS TF
4-Apr-04	19:30	22:00	2.50	8397	8397	Wireline	Work on Wireline Depth Tracking
4-Apr-04	22:00	22:30	0.50	8397	8397	Logging	Ream Log F/8365-8379
4-Apr-04	22:30	23:45	1.25	8397	8429	Drilling	10k WOB, 35 RPM
4-Apr-04	23:45	23:50	0.08	8429	8429	Survey & Conn.	SD 8387 88.3 356.0
4-Apr-04	23:50	24:00	0.17	8429	8440	Drilling	12k WOB, 35 RPM



WFT Job #:	TXL0304D015	Report Time:	2400	8 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Monday, April 05, 2004 at 0000 to Monday, April 05, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	8440.00	Rotary Hours	14.58	WOB	10	Pick UP	118	Slack Off	95	SPM	
End Depth	8964.00	Circulating Hours	2.00	RAB	0	SPP	450	FlowRate	165	50	
Total Drilled:	524.00	Avg. Total ROP:	27.10	Mud Data							
Total Rotary Drilled:	486.00	Avg. Rotary ROP:	33.33	Type	Water			PV	0	SOLID	0
Total Drilled Sliding:	38.00	Avg. Slide ROP:	8.00	Weight	8.3	GAS	0	YP	0	BHT°	170
Slide Hours	4.75	Percent Rotary:	92.75	Viscosity	27	SAND	0	PH	11.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	7.25	Chlorides	220	WL	0			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 3:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.5 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 52 Jt's 2 7/8 Tubing, X-Over,			
Second Directional :	Stephen Kenne			Signature:							
MWD Operator1	Shannon Naylor										
MWD Operator2	Jeff Ruddock										
Directional Company:	Weatherford Directional Services										
Geologist:											
Company Man:	Jimmy Hale					Daily Cost					
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
5-Apr-04	00:00	00:45	0.75	8440	8461	Drilling	12k WOB, 35 RPM
5-Apr-04	00:45	00:50	0.08	8461	8461	Survey & Conn.	SD 8419 89.6 358.1
5-Apr-04	00:50	02:00	1.17	8461	8492	Drilling	12k WOB, 35 RPM
5-Apr-04	02:00	02:05	0.08	8492	8492	Survey & Conn.	SD 8450 90.2 358.1
5-Apr-04	02:05	03:15	1.17	8492	8504	Sliding	170R TFO
5-Apr-04	03:15	03:50	0.58	8504	8524	Drilling	12k WOB, 35 RPM
5-Apr-04	03:50	03:55	0.08	8524	8524	Survey & Conn.	SD 8482 89.7 358.7
5-Apr-04	03:55	04:30	0.58	8524	8524	Other	Fix Geolograph Cable
5-Apr-04	04:30	05:15	0.75	8524	8515	Drilling	12k WOB, 35 RPM
5-Apr-04	05:15	05:20	0.08	8515	8515	Survey & Conn.	SD 8556 86.7 0.0
5-Apr-04	05:20	06:05	0.75	8515	8588	Drilling	12K on Bit 35 RPM
5-Apr-04	06:05	07:15	1.17	8588	8603	Sliding	15L TF
5-Apr-04	07:15	11:35	4.33	8603	8776	Drilling	12K on Bit 35 RPM
5-Apr-04	11:35	12:35	1.00	8776	8781	Sliding	160L TF
5-Apr-04	12:35	13:20	0.75	8781	8810	Drilling	10K on Bit 35 RPM
5-Apr-04	13:20	14:45	1.42	8810	8816	Sliding	160L TF
5-Apr-04	14:45	16:00	1.25	8816	8855	Drilling	12k WOB, 35 RPM

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
5-Apr-04	16:00	16:30	0.50	8855	8855	Circulating	Circ. Gas
5-Apr-04	16:30	16:45	0.25	8855	8871	Drilling	12k WOB, 35 RPM
5-Apr-04	16:45	17:30	0.75	8871	8871	Survey & Conn.	Circ.
5-Apr-04	17:30	19:00	1.50	8871	8935	Drilling	12k WOB, 35 RPM
5-Apr-04	19:00	20:30	1.50	8935	8935	Circulating	Circ., Kill Well
5-Apr-04	20:30	23:00	2.50	8935	8964	Drilling	15k WOB, 35 RPM
5-Apr-04	23:00	23:30	0.50	8964	8964	POOH	POOH to Change BHA, POOH to Wet Connect
5-Apr-04	23:30	24:00	0.50	8964	8964	Wireline	POOH w/Steering Tool



WFT Job #:	TXL0304D015	Report Time:	2400	9 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Tuesday, April 06, 2004 at 0000 to Tuesday, April 06, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters									
Start Depth	0.00	Rotary Hours	0.00	WOB	10	Pick UP	118	Slack Off	95	SPM				
End Depth	0.00	Circulating Hours	0.25	RAB	0	SPP	450	FlowRate	165	50				
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data										
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	Water				PV	0	SOLID	0		
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.3	GAS	0	YP	0	BHT°	170			
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	27	SAND	0	PH	11.5	Flow T°	0			
Below Rotary Hrs.	24.00	Percent Slide:	NA	Chlorides	220	WL	0			Oil %	0			
PERSONNEL				CASING					BHA					
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,						
Second Directional :	Stephen Kenne													
MWD Operator1	Shannon Naylor													
MWD Operator2	Jeff Ruddock													
Directional Company:	Weatherford Directional Services													
Geologist:				Signature:										
Company Man:	Jimmy Hale						Daily Cost							
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
6-Apr-04	00:00	01:00	1.00	8964	8964	Wireline	Finish TOH w/ Steering Tool
6-Apr-04	01:00	05:00	4.00	8964	8964	POOH	
6-Apr-04	05:00	06:00	1.00	8964	8964	Change BHA	
6-Apr-04	06:00	06:15	0.25	8964	8964	Circulating	Pump Down Backside & kill well
6-Apr-04	06:15	07:00	0.75	8964	8964		Test BHA
6-Apr-04	07:00	17:00	10.00	8964	8964	Other	Install Blatter on BOP's
6-Apr-04	17:00	19:00	2.00	8964	8964	TIH	
6-Apr-04	19:00	22:30	3.50	8964	8964	Other	Move Pipe Around
6-Apr-04	22:30	24:00	1.50	8964	8964	TIH	



WFT Job #:	TXL0304D015	Report Time:	2400	10 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Wednesday, April 07, 2004 at 0000 to Wednesday, April 07, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters											
Start Depth		8964.00	Rotary Hours		8.00	WOB		10	Pick UP		118	Slack Off		95	SPM	
End Depth		9117.00	Circulating Hours		9.00	RAB		0	SPP		750	FlowRate		165	70	
Total Drilled:		153.00	Avg. Total ROP:		16.11	Mud Data										
Total Rotary Drilled:		145.00	Avg. Rotary ROP:		18.13	Type	Water					PV	0	SOLID		0
Total Drilled Sliding:		8.00	Avg. Slide ROP:		5.33	Weight		8.3	GAS		0	YP	0	BHT°		170
Slide Hours		1.50	Percent Rotary:		94.77	Viscosity		27	SAND		0	PH	11.5	Flow T°		0
Below Rotary Hrs.		24.00	Percent Slide:		5.23	Chlorides		220	WL		0			Oil %		0
PERSONNEL					CASING							BHA				
Lead Directional :		Tim Kilpatrick			Size		Lb/ft		Set Depth			BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,				
Second Directional :		Stephen Kenne			Signature:											
MWD Operator1		Shannon Naylor														
MWD Operator2		Jeff Ruddock														
Directional Company:		Weatherford Directional Services														
Geologist:																
Company Man:		Jimmy Hale														
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Daily Cost				
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Cummulative Cost:				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
7-Apr-04	00:00	03:30	3.50	8964	8964	Circulating	Try to regain Circ. @ Shoe
7-Apr-04	03:30	04:30	1.00	8964	8964	Wireline	POOH w/Steering Tool
7-Apr-04	04:30	07:00	2.50	8964	8964	Circulating	Try to regain Circ.
7-Apr-04	07:00	10:00	3.00	8964	8964	Circulating	Circ. and Kill Well
7-Apr-04	10:00	11:45	1.75	8964	8964	Wireline	RIH w/Steering Tool
7-Apr-04	11:45	14:30	2.75	8964	8964	TIH	TIH and Wash 9 Jt.'s to Bottom
7-Apr-04	14:30	20:00	5.50	8964	9054	Drilling	10k WOB, 35 RPM
7-Apr-04	20:00	21:30	1.50	9054	9062	Sliding	180 TFO
7-Apr-04	21:30	24:00	2.50	9062	9117	Drilling	12k WOB, 35 RPM



WFT Job #:	TXL0304D015	Report Time:	2400	11 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Thursday, April 08, 2004 at 0000 to Thursday, April 08, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	9117.00	Rotary Hours	17.00	WOB	14	Pick UP	118	Slack Off	95	SPM		
End Depth	9468.00	Circulating Hours	0.00	RAB	0	SPP	1080	FlowRate	165	100		
Total Drilled:	351.00	Avg. Total ROP:	20.65	Mud Data								
Total Rotary Drilled:	351.00	Avg. Rotary ROP:	20.65	Type	Water			PV	0	SOLID	0	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.3	GAS	0	YP	0	BHT°	170	
Slide Hours	0.00	Percent Rotary:	100.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0	
Below Rotary Hrs.	24.00	Percent Slide:	.00	Chlorides	220	WL	0			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,				
Second Directional :	Stephen Kenne			Signature:								
MWD Operator1	Shannon Naylor											
MWD Operator2	Jeff Ruddock											
Directional Company:	Weatherford Directional Services											
Geologist:												
Company Man:	Jimmy Hale					Daily Cost						
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
8-Apr-04	00:00	07:00	7.00	9117	9212	Drilling	10K on bit, 100 spm, 300 cfm
8-Apr-04	07:00	15:00	8.00	9212	9404	Drilling	14K on bit, 100 spm, 400cfm
8-Apr-04	15:00	16:00	1.00	9404	9436	Drilling	
8-Apr-04	16:00	18:00	2.00	9436	9436	Other	Circ & Repair Geolograph Cable
8-Apr-04	18:00	19:00	1.00	9436	9468	Drilling	12k WOB, 35 RPM
8-Apr-04	19:00	22:30	3.50	9468	9468	Backreaming	Backream out of Hole
8-Apr-04	22:30	24:00	1.50	9193	9193	Pipe Stuck	Pipe Stuck @ 9193 Work Pipe.



WFT Job #:	TXL0304D015	Report Time:	2400	12 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Friday, April 09, 2004 at 0000 to Friday, April 09, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters									
Start Depth	0.00	Rotary Hours	0.00	WOB	14	Pick UP	118	Slack Off	95	SPM				
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	1080	FlowRate	165	100				
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data										
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	Water				PV	0	SOLID	0		
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.3	GAS	0	YP	0	BHT°	170			
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	27	SAND	0	PH	11.5	Flow T°	0			
Below Rotary Hrs.	22.00	Percent Slide:	NA	Chlorides	220	WL	0			Oil %	0			
PERSONNEL				CASING					BHA					
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,						
Second Directional :	Stephen Kenne													
MWD Operator1	Shannon Naylor													
MWD Operator2	Jeff Ruddock													
Directional Company:	Weatherford Directional Services													
Geologist:				Signature:										
Company Man:	Jimmy Hale						Daily Cost							
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
9-Apr-04	00:00	01:00	1.00	9193	9193	Work Pipe	Work Pipe Free @ 9193
9-Apr-04	01:00	02:30	1.50	9193	9193	POOH	POOH F/ 9193 - 8600
9-Apr-04	02:30	10:30	8.00	9193	9193	Pipe Stuck	
9-Apr-04	10:30	16:30	6.00	9193	9193	POOH	
9-Apr-04	16:30	22:00	5.50	9193	9193	Wireline	Retrieve Wireline & rig down
9-Apr-04	22:00	24:00	2.00	9193	9193	Standby	Fishing



WFT Job #:	TXL0304D015	Report Time:	2400	13 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Saturday, April 10, 2004 at 0000 to Saturday, April 10, 2004 at 2400

DRILLING SUMMARY						Drilling Parameters													
Start Depth		0.00	Rotary Hours		0.00	WOB		14	Pick UP		118	Slack Off		95	SPM				
End Depth		0.00	Circulating Hours		0.00	RAB		0	SPP		1080	FlowRate		165	100				
Total Drilled:		0.00	Avg. Total ROP:		NA	Mud Data													
Total Rotary Drilled:		0.00	Avg. Rotary ROP:		NA	Type	Water					PV	0	SOLID		0			
Total Drilled Sliding:		0.00	Avg. Slide ROP:		NA	Weight		8.3	GAS		0	YP	0	BHT°		170			
Slide Hours		0.00	Percent Rotary:		NA	Viscosity		27	SAND		0	PH	11.5	Flow T°		0			
Below Rotary Hrs.		0.00	Percent Slide:		NA	Chlorides		220	WL		0				Oil %		0		
PERSONNEL						CASING						BHA							
Lead Directional :		Tim Kilpatrick				Size		Lb/ft		Set Depth		BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,							
Second Directional :		Stephen Kenne				Signature: <div></div>													
MWD Operator1		Shannon Naylor																	
MWD Operator2		Jeff Ruddock																	
Directional Company:		Weatherford Directional Services																	
Geologist:																			
Company Man:		Jimmy Hale										Daily Cost							
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Cummulative Cost:							

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
10-Apr-04	00:00	24:00	24.00	9193	9193	Standby	Fishing for PH6 DP & Directional BHA



Weatherford
DIRECTIONAL SERVICES

WFT Job #:	TXL0304D015	Report Time:	2400	14 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Sunday, April 11, 2004 at 0000 to Sunday, April 11, 2004 at 2400

DRILLING SUMMARY						Drilling Parameters															
Start Depth		0.00		Rotary Hours		0.00		WOB		14		Pick UP		118		Slack Off		95		SPM	
End Depth		0.00		Circulating Hours		0.00		RAB		0		SPP		1080		FlowRate		165		100	
Total Drilled:		0.00		Avg. Total ROP:		NA		Mud Data													
Total Rotary Drilled:		0.00		Avg. Rotary ROP:		NA		Type	Water					PV	0		SOLID	0			
Total Drilled Sliding:		0.00		Avg. Slide ROP:		NA		Weight		8.3		GAS	0		YP	0		BHT°	170		
Slide Hours		0.00		Percent Rotary:		NA		Viscosity		27		SAND	0		PH	11.5		Flow T°	0		
Below Rotary Hrs.		0.00		Percent Slide:		NA		Chlorides		220		WL	0					Oil %		0	
PERSONNEL								CASING						BHA							
Lead Directional :		Tim Kilpatrick						Size		Lb/ft		Set Depth		BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,							
Second Directional :		Stephen Kenne																			
MWD Operator1		Shannon Naylor																			
MWD Operator2		Jeff Ruddock																			
Directional Company:		Weatherford Directional Services																		Signature:	
Geologist:																					
Company Man:		Jimmy Hale																			
Incl. In:		0		Azm. In:		0		Incl. Out:		0		Azm. Out:		0		Daily Cost					
																Cummulative Cost:					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
11-Apr-04	00:00	24:00	24.00	9193	9193	Standby	Fishing for PH6 DP & Directional BHA



WFT Job #:	TXL0304D015	Report Time:	2400	15 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Monday, April 12, 2004 at 0000 to Monday, April 12, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters									
Start Depth	0.00	Rotary Hours	0.00	WOB	14	Pick UP	118	Slack Off	95	SPM			
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	1080	FlowRate	165	100			
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data									
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	Water		PV	0	SOLID	0			
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.3	GAS	0	YP	0	BHT°	170		
Slide Hours	0.00	Percent Rotary:	NA	Viscosity	27	SAND	0	PH	11.5	Flow T°	0		
Below Rotary Hrs.	0.00	Percent Slide:	NA	Chlorides	220	WL	0			Oil %	0		
PERSONNEL				CASING				BHA					
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 4:STC, XR30, no jets, 7/8 Lobe, 6.7 Stage, 1.25 Bend, Float Sub, Pony Flex NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 86 Jt's 2 7/8 Tubing, X-Over,					
Second Directional :	Stephen Kenne												
MWD Operator1	Shannon Naylor												
MWD Operator2	Jeff Ruddock												
Directional Company:	Weatherford Directional Services												
Geologist:				Signature:									
Company Man:	Jimmy Hale							Daily Cost					
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
12-Apr-04	00:00	24:00	24.00	9193	9193	Standby	Travel to Location



WFT Job #:	TXL0304D015	Report Time:	2400	16 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Tuesday, April 13, 2004 at 0000 to Tuesday, April 13, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters												
Start Depth		0.00	Rotary Hours		0.00	WOB		14	Pick UP		118	Slack Off		95	SPM		
End Depth		0.00	Circulating Hours		9.50	RAB		0	SPP		1080	FlowRate		165	100		
Total Drilled:		0.00	Avg. Total ROP:		NA	Mud Data											
Total Rotary Drilled:		0.00	Avg. Rotary ROP:		NA	Type	Water					PV	0	SOLID		0	
Total Drilled Sliding:		0.00	Avg. Slide ROP:		NA	Weight		8.3	GAS		0	YP	0	BHT°		170	
Slide Hours		0.00	Percent Rotary:		NA	Viscosity		27	SAND		0	PH	11.5	Flow T°		0	
Below Rotary Hrs.		24.00	Percent Slide:		NA	Chlorides		220	WL		0				Oil %		0
PERSONNEL					CASING							BHA					
Lead Directional :		Tim Kilpatrick			Size		Lb/ft		Set Depth			BHA # 5:STC, XR30, no jets, 7/8 Lobe,2.3 stage, 1.5 bend, Stabilizer / Float Sub, Pony NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 85 Jt's 2 7/8 Tubing, X-Over,					
Second Directional :		Stephen Kenne			Signature:												
MWD Operator1		Shannon Naylor															
MWD Operator2		Jeff Ruddock															
Directional Company:		Weatherford Directional Services															
Geologist:																	
Company Man:		Jimmy Hale								Daily Cost							
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:		0		Cummulative Cost:							

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
13-Apr-04	00:00	05:30	5.50	9468	9468	Circulating	
13-Apr-04	05:30	08:30	3.00	9468	9468	POOH	
13-Apr-04	08:30	12:00	3.50	9468	9468	Change BHA	
13-Apr-04	12:00	16:00	4.00	9468	9468	TIH	
13-Apr-04	16:00	17:00	1.00	9468	9468	Circulating	Install TIW Valve & kill well
13-Apr-04	17:00	20:00	3.00	9468	9468	Wireline	RIH w/Steering Tool
13-Apr-04	20:00	21:00	1.00	9468	9468	TIH	TIH to Shoe
13-Apr-04	21:00	24:00	3.00	9468	9468	Circulating	Pump 1000 CFM To Flow Backside



WFT Job #:	TXL0304D015	Report Time:	2400	17 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Wednesday, April 14, 2004 at 0000 to Wednesday, April 14, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	9468.00	Rotary Hours	9.75	WOB	12	Pick UP	118	Slack Off	95	SPM	
End Depth	9627.00	Circulating Hours	4.00	RAB	0	SPP	250	FlowRate	165	65	
Total Drilled:	159.00	Avg. Total ROP:	12.72	Mud Data							
Total Rotary Drilled:	159.00	Avg. Rotary ROP:	16.31	Type	Water			PV	0	SOLID	0
Total Drilled Sliding:	0.00	Avg. Slide ROP:	.00	Weight	8.3	GAS	0	YP	0	BHT°	170
Slide Hours	2.75	Percent Rotary:	100.00	Viscosity	27	SAND	0	PH	11.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	.00	Chlorides	220	WL	0			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 5:STC, XR30, no jets, 7/8 Lobe,2.3 stage, 1.5 bend, Stabilizer / Float Sub, Pony NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 85 Jt's 2 7/8 Tubing, X-Over,			
Second Directional :	Stephen Kenne			Signature:							
MWD Operator1	Shannon Naylor										
MWD Operator2	Jeff Ruddock										
Directional Company:	Weatherford Directional Services										
Geologist:											
Company Man:	Jimmy Hale					Daily Cost					
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
14-Apr-04	00:00	04:00	4.00	9468	9468	Circulating	Flow Well
14-Apr-04	04:00	05:45	1.75	9468	9468	TIH	
14-Apr-04	05:45	07:00	1.25	9468	9468	Wireline	RIH w/ wireline
14-Apr-04	07:00	11:30	4.50	9468	9555	Drilling	10k WOB 35 RPM
14-Apr-04	11:30	12:45	1.25	9555	9555	Sliding	Unable to Slide, Circ. Gas
14-Apr-04	12:45	18:00	5.25	9555	9627	Drilling	10k WOB, 35 RPM
14-Apr-04	18:00	19:30	1.50	9627	9627	Sliding	Unable to Slide, Motor Quit
14-Apr-04	19:30	22:30	3.00	9627	9627	POOH	POOH to Wet Connect
14-Apr-04	22:30	23:30	1.00	9627	9627	Wireline	POOH w/Steering Tool
14-Apr-04	23:30	24:00	0.50	9627	9627	POOH	



WFT Job #:	TXL0304D015	Report Time:	2400	18 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Thursday, April 15, 2004 at 0000 to Thursday, April 15, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	9627.00	Rotary Hours	3.00	WOB	12	Pick UP	118	Slack Off	95	SPM	
End Depth	9754.00	Circulating Hours	8.50	RAB	0	SPP	140	FlowRate	165	85	
Total Drilled:	127.00	Avg. Total ROP:	36.29	Mud Data							
Total Rotary Drilled:	119.00	Avg. Rotary ROP:	39.67	Type	Water		PV	0	SOLID	0	
Total Drilled Sliding:	8.00	Avg. Slide ROP:	16.00	Weight	8.3	GAS	0	YP	0	BHT°	170
Slide Hours	0.50	Percent Rotary:	93.70	Viscosity	27	SAND	0	PH	11.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	6.30	Chlorides	220	WL	0	Oil %		0	

PERSONNEL						CASING			BHA					
Lead Directional :		Tim Kilpatrick				Size	Lb/ft	Set Depth	BHA # 6:STC, XR30, no jets, WFT 7/8 Lobe, 6.7 stage, 1.25 bend, Float Sub, Pony NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 85 Jt's 2 7/8 Tubing, X-Over,					
Second Directional :		Stephen Kenne												
MWD Operator1		Shannon Naylor												
MWD Operator2		Jeff Ruddock												
Directional Company:		Weatherford Directional Services												
Geologist:						Signature:								
Company Man:		Jimmy Hale												
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Daily Cost		
Incl. In:		0	Azm. In:		0	Incl. Out:		0	Azm. Out:		0	Cumulative Cost:		

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
15-Apr-04	00:00	03:00	3.00	9627	9627	POOH	
15-Apr-04	03:00	04:30	1.50	9627	9627	Change BHA	P/U New Motor
15-Apr-04	04:30	08:00	3.50	9627	9627	TIH	
15-Apr-04	08:00	16:00	8.00	9627	9627	Circulating	Flow Well
15-Apr-04	16:00	17:30	1.50	9627	9627	Wireline	RIH w/ Steering Tool
15-Apr-04	17:30	19:00	1.50	9627	9627	TIH	
15-Apr-04	19:00	20:00	1.00	9627	9627	Other	Re-String Geolograph Line
15-Apr-04	20:00	20:15	0.25	9627	9637	Drilling	12k WOB, 35 RPM
15-Apr-04	20:15	20:45	0.50	9637	9645	Sliding	180 TFO
15-Apr-04	20:45	21:00	0.25	9645	9658	Drilling	12k WOB, 35 RPM
15-Apr-04	21:00	21:30	0.50	9658	9658	Circulating	Fix Geolograph Line, Ream Log F/9630-9658
15-Apr-04	21:30	24:00	2.50	9658	9754	Drilling	12k WOB, 35 RPM



WFT Job #:	TXL0304D015	Report Time:	2400	19 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Friday, April 16, 2004 at 0000 to Friday, April 16, 2004 at 2400

DRILLING SUMMARY						Drilling Parameters							
Start Depth	9754.00	Rotary Hours	6.75	WOB	10	Pick UP	145	Slack Off	95	SPM			
End Depth	10052.00	Circulating Hours	9.50	RAB	0	SPP	450	FlowRate	165	65			
Total Drilled:	298.00	Avg. Total ROP:	28.38	Mud Data									
Total Rotary Drilled:	267.00	Avg. Rotary ROP:	39.56	Type	Water			PV	0	SOLID	0		
Total Drilled Sliding:	31.00	Avg. Slide ROP:	8.27	Weight	8.3	GAS	0	YP	0	BHT°	170		
Slide Hours	3.75	Percent Rotary:	89.60	Viscosity	27	SAND	0	PH	11.5	Flow T°	0		
Below Rotary Hrs.	24.00	Percent Slide:	10.40	Chlorides	220	WL	0			Oil %	0		
PERSONNEL				CASING				BHA					
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth	BHA # 6:STC, XR30, no jets, WFT 7/8 Lobe, 6.7 stage, 1.25 bend, Float Sub, Pony NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 85 Jt's 2 7/8 Tubing, X-Over,						
Second Directional :	Stephen Kenne			Signature:									
MWD Operator1	Shannon Naylor												
MWD Operator2	Jeff Ruddock												
Directional Company:	Weatherford Directional Services												
Geologist:													
Company Man:	Jimmy Hale						Daily Cost						
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
16-Apr-04	00:00	02:30	2.50	9754	9860	Drilling	10K WOB, 35 RPM
16-Apr-04	02:30	03:30	1.00	9860	9872	Sliding	180 TFO
16-Apr-04	03:30	06:00	2.50	9872	9955	Drilling	10K WOB, 35 RPM
16-Apr-04	06:00	07:30	1.50	9955	9970	Sliding	180 TFO
16-Apr-04	07:30	09:00	1.50	9970	10041	Drilling	10K WOB, 35 RPM
16-Apr-04	09:00	10:30	1.50	10041	10041	Circulating	Attempt to get well to flow
16-Apr-04	10:30	10:45	0.25	10041	10048	Drilling	
16-Apr-04	10:45	12:00	1.25	10048	10052	Sliding	180 TFO
16-Apr-04	12:00	14:00	2.00	10052	10052	POOH	POOH to Wet Connect, L/D 2 jts
16-Apr-04	14:00	21:00	7.00	10052	10052	Circulating	Attempt to Flow Well
16-Apr-04	21:00	22:00	1.00	10052	10052	Wireline	POOH w/Steering Tool
16-Apr-04	22:00	23:00	1.00	10052	10052	POOH	POOH to 5700
16-Apr-04	23:00	24:00	1.00	10052	10052	Circulating	Attempt to Flow Well



WFT Job #:	TXL0304D015	Report Time:	2400	20 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Saturday, April 17, 2004 at 0000 to Saturday, April 17, 2004 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	10052.00	Rotary Hours	9.75	WOB	6	Pick UP	145	Slack Off	95	SPM	
End Depth	10500.00	Circulating Hours	3.75	RAB	0	SPP	450	FlowRate	165	80	
Total Drilled:	448.00	Avg. Total ROP:	35.84	Mud Data							
Total Rotary Drilled:	423.00	Avg. Rotary ROP:	43.38	Type	Water			PV	0	SOLID	0
Total Drilled Sliding:	25.00	Avg. Slide ROP:	9.09	Weight	8.3	GAS	0	YP	0	BHT°	170
Slide Hours	2.75	Percent Rotary:	94.42	Viscosity	27	SAND	0	PH	11.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	5.58	Chlorides	220	WL	0			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 6:STC, XR30, no jets, WFT 7/8 Lobe, 6.7 stage, 1.25 bend, Float Sub, Pony NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 85 Jt's 2 7/8 Tubing, X-Over,			
Second Directional :	Stephen Kenne			Signature:							
MWD Operator1	Shannon Naylor										
MWD Operator2	Derek Tranum										
Directional Company:	Weatherford Directional Services										
Geologist:											
Company Man:	Jimmy Hale							Daily Cost			
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Apr-04	00:00	01:00	1.00	10052	10052	Circulating	Flow Well
17-Apr-04	01:00	02:30	1.50	10052	10052	TIH	TIH to Wet Connect
17-Apr-04	02:30	03:30	1.00	10052	10052	Wireline	RIH w/Steering Tool
17-Apr-04	03:30	05:30	2.00	10052	10052	TIH	
17-Apr-04	05:30	06:00	0.50	10052	10052	Circulating	P/U Swivel & wash to bottom
17-Apr-04	06:00	06:15	0.25	10052	10052	Circulating	Work Pipe
17-Apr-04	06:15	06:30	0.25	10052	10057	Drilling	8K wob, 35 rpm
17-Apr-04	06:30	07:30	1.00	10057	10057	Circulating	Work Pipe
17-Apr-04	07:30	08:45	1.25	10057	10072	Sliding	180 TFO
17-Apr-04	08:45	09:00	0.25	10072	10080	Drilling	8K wob, 35 rpm
17-Apr-04	09:00	09:30	0.50	10080	10085	Sliding	180 TFO
17-Apr-04	09:30	11:30	2.00	10085	10175	Drilling	8K wob, 35 rpm, 1000 cfm, 80 spm
17-Apr-04	11:30	12:30	1.00	10175	10180	Sliding	180 TFO
17-Apr-04	12:30	16:30	4.00	10180	10358	Drilling	4-8K wob, 35 rpm
17-Apr-04	16:30	17:45	1.25	10358	10358	Other	Shut in well & P/U DP & Repair running line to steering tool
17-Apr-04	17:45	19:00	1.25	10358	10421	Drilling	4-8K wob, 35 rpm
17-Apr-04	19:00	20:00	1.00	10421	10421	Rig repair	Re-Plum Flow Line

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Apr-04	20:00	22:00	2.00	10421	10500	Drilling	TD @ 10500 MD
17-Apr-04	22:00	23:00	1.00	10500	10500	Circulating	
17-Apr-04	23:00	24:00	1.00	10500	10500	POOH	POOH to Wet Connect



WFT Job #:	TXL0304D015	Report Time:	2400	21 of 21
COMPANY:	Kinder Morgan	API JOB #	05083-6601-00	
LOCATION:	Canyons of the Ancients	WORK ORDER#		
RIG NAME:	Pool 816	FIELD:	Mc Elmo Dome	
STATE:	Colorado	Sec-Twn-Rng:	SEC 36, T 38N, R 19W	
COUNTY:	Montezuma	AFE# & District	C-1703	
WELL NAME:	Mc Elmo Dome HE-5			

From Sunday, April 18, 2004 at 0000 to Sunday, April 18, 2004 at 2400

DRILLING SUMMARY					Drilling Parameters									
Start Depth	10052.00	Rotary Hours	9.75	WOB	6	Pick UP	145	Slack Off	95	SPM				
End Depth	10500.00	Circulating Hours	3.75	RAB	0	SPP	450	FlowRate	165	80				
Total Drilled:	448.00	Avg. Total ROP:	35.84	Mud Data										
Total Rotary Drilled:	423.00	Avg. Rotary ROP:	43.38	Type	Water				PV	0	SOLID	0		
Total Drilled Sliding:	25.00	Avg. Slide ROP:	9.09	Weight	8.3	GAS	0	YP	0	BHT°	170			
Slide Hours	2.75	Percent Rotary:	94.42	Viscosity	27	SAND	0	PH	11.5	Flow T°	0			
Below Rotary Hrs.	24.00	Percent Slide:	5.58	Chlorides	220	WL	0			Oil %	0			
PERSONNEL				CASING					BHA					
Lead Directional :	Tim Kilpatrick			Size	Lb/ft	Set Depth		BHA # 6:STC, XR30, no jets, WFT 7/8 Lobe, 6.7 stage, 1.25 bend, Float Sub, Pony NMDC, UBHO Pressure Sub, X-Over, Flex NMDC, Flex NMDC, Flex NMDC, 85 Jt's 2 7/8 Tubing, X-Over,						
Second Directional :	Stephen Kenne													
MWD Operator1	Shannon Naylor													
MWD Operator2	Derek Tranum													
Directional Company:	Weatherford Directional Services													
Geologist:				Signature:										
Company Man:	Jimmy Hale						Daily Cost							
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Apr-04	00:00	02:30	2.50	10500	10500	POOH	
18-Apr-04	02:30	03:30	1.00	10500	10500	Wireline	POOH w/Steering Tool
18-Apr-04	03:30	08:30	5.00	10500	10500	POOH	TOH & Lay Down Directional Tools



Weatherford
DIRECTIONAL SERVICES

Well Information

BHA # 1

WFT Job #:	TXL0304D015	FIELD:	Mc Elmo Dome
COMPANY:	Kinder Morgan	Sec-Twn-Rng:	SEC 36, T 38N, R 19W
LOCATION:	Canyons of the Ancients	PO #/ DISTRICT	C-1703
RIG NAME:	Pool 816	Lead DD:	Tim Kilpatrick
STATE:	Colorado	Co. Man:	Jimmy Hale
COUNTY:	Montezuma	BHA TYPE:	Slick Assembly
WELL NAME:	Mc Elmo Dome HE-5		

BHA Summary Information

TIME IN - OUT		Rotary Hours		.00		Start Depth		8186.00		RPM Range	Flow Rate
Start Time	End Time	Circulating Hours		22.00		End Depth		8240.00			
4/1/20040 @ 2:00	4/3/20040 @ 3:00	Slide Hours		21.00		Percent Rotary:		.00		0 -0	130 -165
		Below Rotary Hrs.		49.00		Percent Slide:		100.00			
Total Drilled:		54.00		Avg. Total ROP:		2.57		Incl.		Azimuth	
Total Rotary Drilled:		.00		Avg. Rotary ROP:		NA		IN OUT		IN OUT	
Total Drilled Sliding:		54.00		Avg. Slide ROP:		2.57		2.7 33.5		344.71 .79	
SPP	1000	Weights	SO	95-95	PU	118-125	RAB	0-0	Reason POOH		BHA

Bit Data							Motor Data					Mud Data					
		STC, XR30, no jets					Slick Curve Assy.					Type	Water				
Type Bit			ROCK				Model: Sealed Bearing			Pad OD		WT	8.3	GAS	0	Solids	0
TFA		0.92					MFG. Black Max			3.88		Vis	27	SAND	0	T °	0
JETS		20	20	20	0	0	Bend °	3.97	Stator/Rotor	7/8	PV	0	PH 11.5	Chlor	220		
		0	0	0	0	0	Bit to Bend	3.43	Motor Diff	200	YP	0	WL 0	Oil %	0		
Bit Coding			IADC#					Rev/GAL	0.76					BHT°	0		
IR	OR	DL	Loc	BS	G	ODL	NB Stab		0	PUMPS		Pump1		Pump2			
0	0						Rotor Jet		0	NAME		Gardner Denver		Gardner Denver			
										Model		PZ7		PZ7			
Bit Drop:		25 PSI @ 165 GPM					Sensor Offsets			Type		PZ7					
Comments				Sensor		31	Sonic	0			Liner		4.50		4.50		
				Gamma		36	DNsc	0			Stroke		7.00		7.00		
				Restiv		0	GYRO	33			Efficiency		95.00		95.00		

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	STC, XR30, no jets	MT1051		4.75	0.50	0.50	2 7/8 REGP
2	7/8 Lobe, 2.3 Stage, 3.94 Bend	375-64		3.75	16.63	17.13	2 7/8 REGB
3	Float Sub	253549	1.25	3.63	2.49	19.62	2 7/8 PH6B
4	UBHO	NIRMS3735	2.13	3.63	2.04	21.66	2 7/8 PH6B
5	Flex NMDC	3430-24-7735	2.25	3.5	21.57	43.23	2 7/8 PH6B
6	Flex NMDC	3430-24-7700	2.25	3.5	22.04	65.27	2 7/8 PH6B
7	Flex NMDC	3430-24-7247	2.25	3.5	20.38	85.65	2 7/8 PH6B
8	30 Jt's 2 7/8 Tubing	DP-2.323-P-105	2.323	2.83	919.97	1005.62	2 7/8 PH6B
9	X-Over		2.25	4.75	1.47	1007.09	3 1/2 IFB

X-Over
O.D.=4.75
30 Jt's 2 7/8 Tubing
O.D.=2.83
Length=919.97

Flex NMDC
O.D.=3.5
Length=20.38
FN=1.09

Flex NMDC
O.D.=3.5
Length=22.04
FN=2.0

Flex NMDC
O.D.=3.5
Length=21.57
FN=1.88

UBHO
O.D.=3.63

Float Sub
O.D.=3.63

7/8 Lobe, 2.3 Stage, 3.94 Benc
O.D.=3.75
Length=16.63
FN=.5

STC, XR30, no jets
O.D.=4.75
Length=0.5



Weatherford
DIRECTIONAL SERVICES

Well Information

BHA # 2

WFT Job #:	TXL0304D015	FIELD:	Mc Elmo Dome
COMPANY:	Kinder Morgan	Sec-Twn-Rng:	SEC 36, T 38N, R 19W
LOCATION:	Canyons of the Ancients	PO #/ DISTRICT	C-1703
RIG NAME:	Pool 816	Lead DD:	Tim Kilpatrick
STATE:	Colorado	Co. Man:	Jimmy Hale
COUNTY:	Montezuma	BHA TYPE:	Slick Assembly
WELL NAME:	Mc Elmo Dome HE-5		

BHA Summary Information

TIME IN - OUT		Rotary Hours		.00	Start Depth		8240.00		RPM Range	Flow Rate	
Start Time	End Time	Circulating Hours		7.75	End Depth		8340.00				
4/3/20040 @ 3:00	4/4/20040 @ 2:00	Slide Hours		6.75	Percent Rotary:		.00		0 -0	165 -165	
		Below Rotary Hrs.		23.00	Percent Slide:		100.00				
Total Drilled:		100.00		Avg. Total ROP:		14.81		Incl.		Azimuth	
Total Rotary Drilled:		.00		Avg. Rotary ROP:		NA		IN OUT		IN OUT	
Total Drilled Sliding:		100.00		Avg. Slide ROP:		14.81		33.5 78.3		.79 357.38	
SPP	1000	Weights	SO	95-95	PU	118-118	RAB	0-0	Reason POOH		

Bit Data				Motor Data				Mud Data			
				Curve Assy. Slick				Type	Water		
Type Bit				Model: Sealed Bearing				WT	8.3	GAS	0 Solids 0
TFA 1.113				MFG. Black Max				Vis	27	SAND	0 T° 0
JETS				Bend ° 3.06 Stator/Rotor 7/8				PV	0	PH 11.5	Chlor 220
				Bit to Bend 3.43 Motor Diff 200				YP	0	WL 0	Oil % 0
Bit Coding				Rev/GAL 0.76				BHT° 0			
IR	OR	DL	Loc	BS	G	ODL	NB Stab	PUMPS			
0	0						Rotor Jet	Pump1 Pump2			
Bit Drop:				17 PSI @ 165 GPM				NAME Model			
				Sensor Offsets				Type			
				Sensor 32 Sonic 0				Liner			
				Gamma 29 DNSC 0				Stroke			
				Restiv 0 GYRO 0				Efficiency			

Comments

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	STC, XR30, no jets	MT1051		4.75	0.50	0.50	2 7/8 REGP
2	7/8 Lobe, 2.3 Stage, 3.06 Bend	375-64		3.75	16.63	17.13	2 7/8 REGB
3	Float Sub	253549	1.25	3.63	2.49	19.62	2 7/8 PH6B
4	UBHO	NIRMS3735	2.13	3.63	2.04	21.66	2 7/8 PH6B
5	Flex NMDC	3430-24-7735	2.25	3.5	21.57	43.23	2 7/8 PH6B
6	Flex NMDC	3430-24-7700	2.25	3.5	22.04	65.27	2 7/8 PH6B
7	Flex NMDC	3430-24-7247	2.25	3.5	20.38	85.65	2 7/8 PH6B
8	30 Jt's 2 7/8 Tubing	DP-2.323-P-105	2.323	2.83	919.97	1005.62	2 7/8 PH6B
9	X-Over		2.25	4.75	1.47	1007.09	3 1/2 IFB

X-Over
O.D.=4.75
30 Jt's 2 7/8 Tubing
O.D.=2.83
Length=919.97

Flex NMDC
O.D.=3.5
Length=20.38
FN=1.09

Flex NMDC
O.D.=3.5
Length=22.04
FN=2.0

Flex NMDC
O.D.=3.5
Length=21.57
FN=1.88

UBHO
O.D.=3.63

Float Sub
O.D.=3.63

7/8 Lobe, 2.3 Stage, 3.06 Bend
O.D.=3.75
Length=16.63
FN=.5

STC, XR30, no jets
O.D.=4.75
Length=0.5



Weatherford
DIRECTIONAL SERVICES

Well Information

BHA # 3

WFT Job #:	TXL0304D015	FIELD:	Mc Elmo Dome
COMPANY:	Kinder Morgan	Sec-Twn-Rng:	SEC 36, T 38N, R 19W
LOCATION:	Canyons of the Ancients	PO #/ DISTRICT	C-1703
RIG NAME:	Pool 816	Lead DD:	Tim Kilpatrick
STATE:	Colorado	Co. Man:	Jimmy Hale
COUNTY:	Montezuma	BHA TYPE:	Steerable Assembly
WELL NAME:	Mc Elmo Dome HE-5		

BHA Summary Information

TIME IN - OUT		Rotary Hours	16.00	Start Depth	8340.00	RPM	Flow Rate
Start Time	End Time	Circulating Hours	29.17	End Depth	8964.00	Range	
4/4/20040 @ 2:00	4/6/20040 @ 6:00	Slide Hours	9.17	Percent Rotary:	84.78	0 -35	165
		Below Rotary Hrs.	52.00	Percent Slide:	15.22		-165
Total Drilled:		624.00	Avg. Total ROP:	24.79	Incl.	Azimuth	
Total Rotary Drilled:		529.00	Avg. Rotary ROP:	33.06	IN	OUT	IN
Total Drilled Sliding:		95.00	Avg. Slide ROP:	10.36	78.3	88.7	357.38
SPP	450	Weights	SO	95-95	PU	118-118	RAB
							0-0
		Reason POOH					

Bit Data						Motor Data						Mud Data						
		STC, XR30, no jets				Steerable Assembly						Type	Water					
Type Bit				0		Model: Sealed Bearing				Pad OD		WT	8.3	GAS	0	Solids	0	
TFA		MFG. Weatherford				4.5		Vis	27	SAND	0	T°	0					
JETS		0	0	0	0	0	Bend ° 1.5		Stator/Rotor 8		PV	0	PH 11.5	Chlor		220		
		0	0	0	0	0	Bit to Bend 3.69		Motor Diff		YP	0	WL 0	Oil % 0				
Bit Coding			IADC#				Rev/GAL 1.75								BHT°		170	
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0		PUMPS			Pump1			Pump2			
							Rotor Jet 0		NAME			Gardner Denver			Gardner Denver			
									Model			PZ7			PZ7			
Bit Drop:		N/A				Sensor Offsets				Type			PZ7					
Comments				Sensor		0	Sonic	0	Liner			4.50			4.50			
				Gamma		0	DNSC	0	Stroke			7.00			7.00			
				Restiv		0	GYRO	0	Efficiency			95.00			95.00			



Weatherford
DIRECTIONAL SERVICES

Well Information

BHA # 4

WFT Job #:	TXL0304D015	FIELD:	Mc Elmo Dome
COMPANY:	Kinder Morgan	Sec-Twn-Rng:	SEC 36, T 38N, R 19W
LOCATION:	Canyons of the Ancients	PO #/ DISTRICT	C-1703
RIG NAME:	Pool 816	Lead DD:	Tim Kilpatrick
STATE:	Colorado	Co. Man:	Jimmy Hale
COUNTY:	Montezuma	BHA TYPE:	Holding Assembly
WELL NAME:	Mc Elmo Dome HE-5		

BHA Summary Information

TIME IN - OUT		Rotary Hours		25.00		Start Depth		8964.00		RPM Range	Flow Rate
Start Time	End Time	Circulating Hours		44.75		End Depth		9468.00			
10-Apr-04 @ 00:00	4/9/20042 @ 4:00	Slide Hours		1.50		Percent Rotary:		98.41		35 -35	165 -165
		Below Rotary Hrs.		100.00		Percent Slide:		1.59			
Total Drilled:		504.00		Avg. Total ROP:		19.02		Incl.		Azimuth	
Total Rotary Drilled:		496.00		Avg. Rotary ROP:		19.84		IN	OUT	IN	OUT
Total Drilled Sliding:		8.00		Avg. Slide ROP:		5.33		88.2	88.2	359.48	359.48
SPP	1080	Weights	SO	95-95	PU	118-118	RAB	0-0	Reason POOH		TW

Bit Data				Motor Data				Mud Data			
				Stabilized Lateral Assy.				Type	Water		
Type Bit				Model: Sealed Bearing				WT	8.3	GAS	0
TFA				Pad OD				Vis	27	SAND	0
INSERT BIT				MFG. Weatherford				T°	0		
JETS				Bend ° 1.25				PV	0	PH 11.5	Chlor 220
				Stator/Rotor 7/8				YP	0	WL 0	Oil % 0
				Bit to Bend 4				BHT°	170		
				Motor Diff 200							
Bit Coding				Rev/GAL 1.76							
IR	OR	DL	Loc	BS	G	ODL	NB Stab	PUMPS			
0	0						4.5	Pump1			
Bit Drop:				Sensor Offsets				Pump2			
17 PSI @ 165 GPM											
Comments				Sensor	42	Sonic	0	NAME	Gardner Denver		
				Gamma	47	DNsc	0	Model	PZ7		
				Restiv	0	GYRO	0	Type	PZ7		
						Liner	4.50		4.50		
						Stroke	7.00		7.00		
						Efficiency	95.00		95.00		

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	STC, XR30, no jets	MT1109		4.75	0.50	0.50	2 7/8 REGP
2	7/8 Lobe, 6.7 Stage, 1.25 Bend	1483-3005		3.75	22.12	22.62	2 7/8 REGB
3	Float Sub	253549	1.25	3.63	2.49	25.11	2 7/8 PH6B
4	Pony Flex NMDC	430-40-5579	2.25	3.5	9.57	34.68	2 7/8 PH6B
5	UBHO Pressure Sub	50693119	2.25	3.625	1.69	36.37	2 7/8 PH6B
6	X-Over	X/Over 1	2.94	3.75	1.25	37.62	2 7/8 PH6B
7	Flex NMDC	3430-24-7735	2.25	3.5	21.57	59.19	2 7/8 PH6B
8	Flex NMDC	3430-24-7700	2.25	3.5	22.04	81.23	2 7/8 PH6B
9	Flex NMDC	3430-24-7247	2.25	3.5	20.38	101.61	2 7/8 PH6B
10	86 Jt's 2 7/8 Tubing	DP-2.323-P-105	2.323	2.83	2,624.99	2726.60	2 7/8 PH6B
11	X-Over		2.25	4.75	1.47	2728.07	3 1/2 IFB

X-Over
O.D.=4.75
86 Jt's 2 7/8 Tubing
O.D.=2.83
Length=2624.99

Flex NMDC
O.D.=3.5
Length=20.38
FN=1.09

Flex NMDC
O.D.=3.5
Length=22.04
FN=2.0

Flex NMDC
O.D.=3.5
Length=21.57
FN=1.88

X-Over
O.D.=3.75
UBHO Pressure Sub
O.D.=3.625
Pony Flex NMDC
O.D.=3.5
Length=9.57
FN=1.62

Float Sub
O.D.=3.63
7/8 Lobe, 6.7 Stage, 1.25 Bend
O.D.=3.75
Length=22.12
FN=5

STC, XR30, no jets
O.D.=4.75

WinSURV II BHA Report



Weatherford
DIRECTIONAL SERVICES

Well Information

BHA # 5

WFT Job #:	TXL0304D015	FIELD:	Mc Elmo Dome
COMPANY:	Kinder Morgan	Sec-Twn-Rng:	SEC 36, T 38N, R 19W
LOCATION:	Canyons of the Ancients	PO #/ DISTRICT	C-1703
RIG NAME:	Pool 816	Lead DD:	Tim Kilpatrick
STATE:	Colorado	Co. Man:	Jimmy Hale
COUNTY:	Montezuma	BHA TYPE:	Holding Assembly
WELL NAME:	Mc Elmo Dome HE-5		

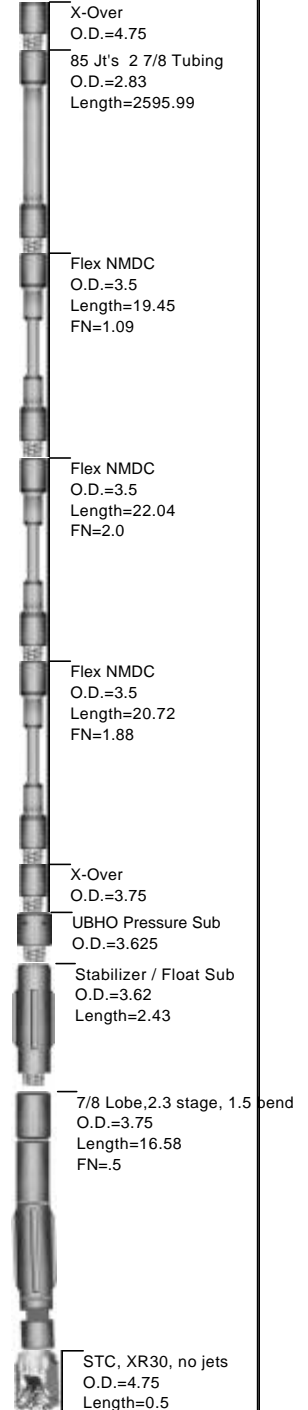
BHA Summary Information

TIME IN - OUT		Rotary Hours		9.75	Start Depth		9468.00	RPM Range	Flow Rate	
Start Time	End Time	Circulating Hours		20.50	End Depth		9627.00			
13-Apr-04 @ 12:00	15-Apr-04 @ 04:30	Slide Hours		2.75	Percent Rotary:		100.00	35 -35	165 -165	
		Below Rotary Hrs.		40.50	Percent Slide:		.00			
Total Drilled:		159.00	Avg. Total ROP:		12.72	Incl.		Azimuth		
Total Rotary Drilled:		159.00	Avg. Rotary ROP:		16.31	IN	OUT	IN	OUT	
Total Drilled Sliding:		.00	Avg. Slide ROP:		.00	88.2	88.2	359.48	359.48	
SPP	250	Weights	SO	95-95	PU	118-118	RAB	0-0	Reason POOH	DMF

Bit Data							Motor Data					Mud Data					
		STC, XR30, no jets					Stabilized Lateral Assy.					Type	Water				
Type Bit				INSERT BIT			Model: Sealed Bearing			Pad OD		WT	8.3	GAS	0	Solids	0
TFA		1.113					MFG. Black Max			4		Vis	27	SAND	0	T°	0
JETS		22	22	22	0	0	Bend °	1.5	Stator/Rotor	7/8	PV	0	PH	11.5	Chlor	220	
		0	0	0	0	0	0	Bit to Bend	3.6	Motor Diff	200	YP	0	WL	0	Oil %	
Bit Coding			IADC#					Rev/GAL	0.76						BHT°	170	
IR	OR	DL	Loc	BS	G	ODL	NB Stab	4.5	PUMPS		Pump1		Pump2				
0	0						Rotor Jet	0			NAME		Gardner Denver		Gardner Denver		
										Model		PZ7		PZ7			
Bit Drop:		17 PSI @ 165 GPM				Sensor Offsets				Type		PZ7					
Comments				Sensor		35	Sonic	0	Liner		4.50		4.50				
				Gamma		39	DNsc	0	Stroke		7.00		7.00				
				Restiv		0	GYRO	0	Efficiency		95.00		95.00				

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	STC, XR30, no jets	MT4768		4.75	0.50	0.50	2 7/8 REGP
2	7/8 Lobe, 2.3 stage, 1.5 bend	37558		3.75	16.58	17.08	2 7/8 REGB
3	Stabilizer / Float Sub	no #	1.25	3.62	2.43	19.51	2 7/8 PH6B
4	Pony NMDC	106516	2.25	3.5	8.59	28.10	2 7/8 PH6B
5	UBHO Pressure Sub	50693119	2.25	3.625	1.69	29.79	2 7/8 PH6B
6	X-Over	X/Over 1	2.94	3.75	1.25	31.04	2 7/8 PH6B
7	Flex NMDC	3430-24-7235	2.25	3.5	20.72	51.76	2 7/8 PH6B
8	Flex NMDC	3430-24-7700	2.25	3.5	22.04	73.80	2 7/8 PH6B
9	Flex NMDC	3430-249157	2.25	3.5	19.45	93.25	2 7/8 PH6B
10	85 Jt's 2 7/8 Tubing	DP-2.323-P-105	2.323	2.83	2,595.99	2689.24	2 7/8 PH6B
11	X-Over		2.25	4.75	1.47	2690.71	3 1/2 IF



WinSURV II BHA Report



Weatherford
DIRECTIONAL SERVICES

Well Information

BHA # 6

WFT Job #:	TXL0304D015	FIELD:	Mc Elmo Dome
COMPANY:	Kinder Morgan	Sec-Twn-Rng:	SEC 36, T 38N, R 19W
LOCATION:	Canyons of the Ancients	PO #/ DISTRICT	C-1703
RIG NAME:	Pool 816	Lead DD:	Tim Kilpatrick
STATE:	Colorado	Co. Man:	Jimmy Hale
COUNTY:	Montezuma	BHA TYPE:	Holding Assembly
WELL NAME:	Mc Elmo Dome HE-5		

BHA Summary Information

TIME IN - OUT		Rotary Hours		19.50	Start Depth		9627.00		RPM Range	Flow Rate
Start Time	End Time	Circulating Hours		48.25	End Depth		10500.00			
15-Apr-04 @ 04:30	18-Apr-04 @ 08:30	Slide Hours		7.00	Percent Rotary:		92.67		35 -35	165 -165
		Below Rotary Hrs.		76.00	Percent Slide:		7.33			
Total Drilled:		873.00	Avg. Total ROP:		32.94	Incl.		Azimuth		
Total Rotary Drilled:		809.00	Avg. Rotary ROP:		41.49	IN	OUT	IN		OUT
Total Drilled Sliding:		64.00	Avg. Slide ROP:		9.14	88.2	88.2	359.48		359.48
SPP	450	Weights	SO	95-95	PU	118 -145	RAB	0-0	Reason POOH	

Bit Data						Motor Data					Mud Data				
		STC, XR30, no jets				Stabilized Lateral Assy.					Type	Water			
Type Bit			TFA			0			Model: Sealed / Fixed Bend Pad OD MFG. Weatherford 4			WT 8.3 GAS 0 Solids 0			
												Vis 27 SAND 0 T° 0			
JETS			0	0	0	0	0	Bend ° 1.25 Stator/Rotor 7/8 Bit to Bend 3.6 Motor Diff 200			PV 0 PH 11.5 Chlor 220				
			0	0	0	0	0				YP 0 WL 0 Oil % 0				
Bit Coding			IADC#						Rev/GAL 1.76					BHT° 170	
IR	OR	DL	Loc	BS	G	ODL	NB Stab 4.5			PUMPS		Pump1		Pump2	
							Rotor Jet 0			NAME		Gardner Denver		Gardner Denver	
										Model		PZ7		PZ7	
Bit Drop:			N/A			Sensor Offsets			Type		PZ7				
Comments					Sensor	42	Sonic	0	Liner		4.50		4.50		
					Gamma	47	DNsc	0	Stroke		7.00		7.00		
					Restiv	0	GYRO	0	Efficiency		95.00		95.00		

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	STC, XR30, no jets	MT4768		4.75	0.50	0.50	2 7/8 REGP
2	WFT 7/8 Lobe, 6.7 stage, 1.25 bend	3006		3.75	22.13	22.63	2 7/8 REGB
3	Float Sub	253548	1.25	3.62	2.50	25.13	2 7/8 PH6B
4	Pony NMDC	106516	2.25	3.5	8.59	33.72	2 7/8 PH6B
5	UBHO Pressure Sub	50693119	2.25	3.625	1.69	35.41	2 7/8 PH6B
6	X-Over	X/Over 1	2.94	3.75	1.25	36.66	2 7/8 PH6B
7	Flex NMDC	3430-24-7235	2.25	3.5	20.72	57.38	2 7/8 PH6B
8	Flex NMDC	3430-24-7700	2.25	3.5	22.04	79.42	2 7/8 PH6B
9	Flex NMDC	3430-249157	2.25	3.5	19.45	98.87	2 7/8 PH6B
10	85 Jt's 2 7/8 Tubing	DP-2.323-P-105	2.323	2.83	2,595.99	2694.86	2 7/8 PH6B
11	X-Over		2.25	4.75	1.47	2696.33	3 1/2 IF

X-Over O.D.=4.75
85 Jt's 2 7/8 Tubing O.D.=2.83 Length=2595.99
Flex NMDC O.D.=3.5 Length=19.45 FN=1.09
Flex NMDC O.D.=3.5 Length=22.04 FN=2.0
Flex NMDC O.D.=3.5 Length=20.72 FN=1.88
X-Over O.D.=3.75
UBHO Pressure Sub O.D.=3.625
Float Sub O.D.=3.62
WFT 7/8 Lobe, 6.7 stage, 1.25 O.D.=3.75 Length=22.13 FN=.5
STC, XR30, no jets O.D.=4.75 Length=0.5

WinSURV II BHA Report



Weatherford
DIRECTIONAL SERVICES

WFT Job #: TXL0304D015

COMPANY: Kinder Morgan

LOCATION: Canyons of the Ancients

RIG NAME: Pool 816

STATE: Colorado

COUNTY: USA

WELL NAME: Mc Elmo Dome HE-5

FIELD: Mc Elmo Dome

Sec-Twn-Rng: SEC 36, T 38N, R 19W

AFE# & District C-1703

Slide Report for all BHA's

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	ROP	RPM	Surf. Torque	TFO	INC	AZM	DLS
1	1-Apr	Sliding	14:30	23:30	9.00	8186	8199	13	1.44	0	0	355.00	9.22	350.22	63.47
1	1-Apr	Sliding	23:30	24:00	0.50	8199	8203	4	8.00	0	0	355.00	11.75	351.75	63.47
1	2-Apr	Sliding	00:00	04:00	4.00	8203	8221	18	4.50	0	0	355.00	23.14	358.64	63.47
1	2-Apr	Sliding	09:30	12:00	2.50	8221	8229	8	3.20	0	0	15.00	27.61	359.76	53.57
1	2-Apr	Sliding	13:30	16:30	3.00	8229	8233	4	1.33	0	0	15.00	29.74	0.14	53.57
1	2-Apr	Sliding	17:00	19:00	2.00	8233	8240	7	3.50	0	0		33.48	0.79	53.57
2	3-Apr	Sliding	09:30	10:45	1.25	8240	8255	15	12.00	0	0		41.50	2.20	53.57
2	3-Apr	Sliding	11:00	12:45	1.75	8255	8287	32	18.29	0	0		56.60	1.50	47.19
2	3-Apr	Sliding	13:00	15:30	2.50	8287	8319	32	12.80	0	0		71.07	0.03	43.35
2	3-Apr	Sliding	15:45	17:00	1.25	8319	8340	21	16.80	0	0		78.33	357.38	34.21
3	4-Apr	Sliding	15:00	16:30	1.50	8340	8365	25	16.67	0	0	0.00	84.79	356.94	18.02
3	4-Apr	Sliding	16:35	19:30	2.92	8365	8397	32	10.97	0	0		88.71	358.39	4.47
3	4-Apr	Drilling	22:30	23:45	1.25	8397	8429	32	25.60	0	0	0.00	89.79	357.45	5.51
3	4-Apr	Drilling	23:50	24:00	0.17	8429	8440	11	66.00	35	1500	0.00	90.01	356.75	5.51
3	5-Apr	Drilling	00:00	00:45	0.75	8440	8461	21	28.00	35	1500	0.00	90.03	357.53	7.05
3	5-Apr	Drilling	00:50	02:00	1.17	8461	8492	31	26.57	35	1500	0.00	88.76	359.01	10.22
3	5-Apr	Sliding	02:05	03:15	1.17	8492	8504	12	10.29	35	1500	170.00	87.64	359.39	10.22
3	5-Apr	Drilling	03:15	03:50	0.58	8504	8524	20	34.29	35	1500	0.00	86.58	0.31	2.25
3	5-Apr	Drilling	04:30	05:15	0.75	8524	8515	-9	-12.00	35	1500	0.00	86.69	0.03	2.25
3	5-Apr	Drilling	05:20	06:05	0.75	8515	8588	73	97.33	35	1500	0.00	87.23	0.04	10.47
3	5-Apr	Sliding	06:05	07:15	1.17	8588	8603	15	12.86	35	1500	-15.00	88.78	0.04	10.47
3	5-Apr	Drilling	07:15	11:35	4.33	8603	8776	173	39.92	35	2000	0.00	92.00	359.33	5.27
3	5-Apr	Sliding	11:35	12:35	1.00	8776	8781	5	5.00	35	2000	-160.00	91.75	359.17	5.27
3	5-Apr	Drilling	12:35	13:20	0.75	8781	8810	29	38.67	35	2000	0.00	90.51	0.65	12.36
3	5-Apr	Sliding	13:20	14:45	1.42	8810	8816	6	4.24	35	2000	-160.00	90.32	1.42	12.36
3	5-Apr	Drilling	14:45	16:00	1.25	8816	8855	39	31.20	35	2000	0.00	89.17	0.36	7.72
3	5-Apr	Drilling	16:30	16:45	0.25	8855	8871	16	64.00	35	2000	0.00	89.13	359.25	15.05
3	5-Apr	Drilling	17:30	19:00	1.50	8871	8935	64	42.67	35	2000	0.00	88.79	359.52	9.21
3	5-Apr	Drilling	20:30	23:00	2.50	8935	8964	29	11.60	35	2000	0.00	88.70	0.20	1.13
4	7-Apr	Drilling	14:30	20:00	5.50	8964	9054	90	16.36	35	2000	0.00	89.12	0.60	4.38
4	7-Apr	Sliding	20:00	21:30	1.50	9054	9062	8	5.33	35	2000		88.77	0.60	4.38
4	7-Apr	Drilling	21:30	24:00	2.50	9062	9117	55	22.00	35	2000	0.00	88.17	1.00	0.99
4	8-Apr	Drilling	00:00	07:00	7.00	9117	9212	95	13.57	35	2000	0.00	88.26	359.20	0.70
4	8-Apr	Drilling	07:00	15:00	8.00	9212	9404	192	24.00	35	2000	0.00	88.34	357.10	0.72
4	8-Apr	Drilling	15:00	16:00	1.00	9404	9436	32	32.00	35	2000	0.00	88.15	357.20	0.66
4	8-Apr	Drilling	18:00	19:00	1.00	9436	9468	32	32.00	35	2000	0.00	88.00	357.20	0.66
5	14-Apr	Drilling	07:00	11:30	4.50	9468	9555	87	19.33	35	2000	0.00	88.17	359.48	3.14
5	14-Apr	Sliding	11:30	12:45	1.25	9555	9555	0	0.00	35	2000	180.00	88.17	359.48	3.14
5	14-Apr	Drilling	12:45	18:00	5.25	9555	9627	72	13.71	35	2000	0.00	88.17	359.48	3.14
5	14-Apr	Sliding	18:00	19:30	1.50	9627	9627	0	0.00	35	2000		88.17	359.48	3.14

Slide Report for all BHA's

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	ROP	RPM	Surf. Torque	TFO	INC	AZM	DLS
6	15-Apr	Drilling	20:00	20:15	0.25	9627	9637	10	40.00	35	2000	0.00	88.17	359.48	3.14
6	15-Apr	Sliding	20:15	20:45	0.50	9637	9645	8	16.00	35	2000	180.00	88.17	359.48	3.14
6	15-Apr	Drilling	20:45	21:00	0.25	9645	9658	13	52.00	35	2000	0.00	88.17	359.48	3.14
6	15-Apr	Drilling	21:30	24:00	2.50	9658	9754	96	38.40	35	2000	0.00	88.17	359.48	3.14
6	16-Apr	Drilling	00:00	02:30	2.50	9754	9860	106	42.40	35	2800	0.00	88.17	359.48	3.14
6	16-Apr	Sliding	02:30	03:30	1.00	9860	9872	12	12.00	35	2800	180.00	88.17	359.48	3.14
6	16-Apr	Drilling	03:30	06:00	2.50	9872	9955	83	33.20	35	2800	0.00	88.17	359.48	3.14
6	16-Apr	Sliding	06:00	07:30	1.50	9955	9970	15	10.00	35	2800	180.00	88.17	359.48	3.14
6	16-Apr	Drilling	07:30	09:00	1.50	9970	10041	71	47.33	35	2800	0.00	88.17	359.48	3.14
6	16-Apr	Drilling	10:30	10:45	0.25	10041	10048	7	28.00	35	2800	0.00	88.17	359.48	3.14
6	16-Apr	Sliding	10:45	12:00	1.25	10048	10052	4	3.20		2800	180.00	88.17	359.48	3.14
6	17-Apr	Drilling	06:15	06:30	0.25	10052	10057	5	20.00	35	2800	0.00	88.17	359.48	3.14
6	17-Apr	Sliding	07:30	08:45	1.25	10057	10072	15	12.00		2800	180.00	88.17	359.48	3.14
6	17-Apr	Drilling	08:45	09:00	0.25	10072	10080	8	32.00	35	2800	0.00	88.17	359.48	3.14
6	17-Apr	Sliding	09:00	09:30	0.50	10080	10085	5	10.00	35	2800	180.00	88.17	359.48	3.14
6	17-Apr	Drilling	09:30	11:30	2.00	10085	10175	90	45.00	35	2800	0.00	88.17	359.48	3.14
6	17-Apr	Sliding	11:30	12:30	1.00	10175	10180	5	5.00	35	2800	180.00	88.17	359.48	3.14
6	17-Apr	Drilling	12:30	16:30	4.00	10180	10358	178	44.50	35	2800	0.00	88.17	359.48	3.14
6	17-Apr	Drilling	17:45	19:00	1.25	10358	10421	63	50.40	35	2800	0.00	88.17	359.48	3.14
6	17-Apr	Drilling	20:00	22:00	2.00	10421	10500	79	39.50	35	2800	0.00	88.17	359.48	3.14

Total Drilled:	340	Avg. Total ROP:	9.13	DEPTH% - TIME %
Total Rotary Drilled:	186	Avg. Rotary ROP:	19.58	Percent Rotary: 54.71 - 25.50
Total Drilled Sliding:	154	Avg. Slide ROP:	5.55	Percent Slide: 45.29 - 74.50