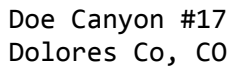


5D Plan Report**Kinder Morgan****Field Name:** *Kinder Morgan Dolores Co. (NAD83)***Site Name:** *Doe Canyon #17***Well Name:** *Doe Canyon #17 Pilot***Plan:** *P1:V2*

02 April 2014





Sign Off: Patrick Rudolph

Doe Canyon #17 Pilot

Field Name Kinder Morgan Dolores Co. (NAD83)	Map Units : US ft		Company Name : Kinder Morgan	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / Colorado South (ftUS)			
	Comment :			
Site Name Doe Canyon #17	Units : US ft	North Reference : True		Convergence Angle : -2.05
	Position	Northing : 1414678.74 US ft		Latitude : 37° 45' 28.26"
		Easting : 2031919.09 US ft		Longitude : -108° 50' 57.84"
	Elevation above Mean Sea Level:7091.00 US ft			
Comment :				
Slot Name Doe Canyon #17	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :1414678.74 US ft		Latitude : 37°45'28.26"
	+E / -W : 0.00 US ft	Easting :2031919.09 US ft		Longitude : -108°50'57.84"
	Slot TVD Reference : Ground Elevation			
	Elevation above Mean Sea Level : 7091.00 US ft			
Comment :				
Well Name Doe Canyon #17 Pilot	Type : Main well		UWI :	Plan : P1:V2
	Rig Height <i>Drill Floor</i> : 0.00 US ft		Comment :	
	Relative to Mean Sea Level: 7091.00 US ft			
	Closure Distance : 0 US ft		Closure Azimuth : -2.05445°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az :0.00°
	Magnetic Parameters			
Model : BGGM		Field Strength : 50840.9nT	Dec : 10.18°	Dip : 64.06°
				Date : 03/Jun/2014

Casing Points (Relative to Slot centre, TVD relative to Drill Floor)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
8404.00	0.00	0.00	8404.00	0.00	0.00	1414678.74	2031919.09	Csg 7 in

Well path created using minimum curvature

Salient Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	VS (US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8404.00	0.00	0.00	8404.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7 in Csg
8833.00	0.00	0.00	8833.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Pilot PBHL

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09		
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09		
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09		
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09		
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09		

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8404.00	0.00	0.00	8404.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	7 in Csg
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8800.00	0.00	0.00	8800.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	
8833.00	0.00	0.00	8833.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09	Pilot PBHL

5D Plan Report**Kinder Morgan****Field Name:** *Kinder Morgan Dolores Co. (NAD83)***Site Name:** *Doe Canyon #17***Well Name:** *Doe Canyon #17 Lateral***Plan:** *P1:V2*

02 April 2014



Doe Canyon #17
Dolores Co, CO

Plan Data for Doe Canyon #17 Lateral

Plan Point Information:

DogLeg Severity Unit: °/100.00ft									
Position offsets from Slot centre									
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
8375.00	0.00	0.00	8375.00	0.00	0.00	1414678.74	2031919.09	0.00	0.00
8384.00	3.00	49.92	8384.00	0.15	0.18	1414678.88	2031919.27	0.24	33.33
8389.00	3.00	49.92	8388.99	0.32	0.38	1414679.04	2031919.48	0.50	0.00
8566.88	90.00	49.92	8500.00	75.64	89.90	1414751.10	2032011.64	117.48	48.91
10451.66	90.00	49.92	8500.00	1289.05	1532.12	1415912.03	2033496.43	2002.26	0.00

Plan Data for Doe Canyon #17 Lateral

Site: Doe Canyon #17

Unit: USFeet TVD Reference:

Company Name: Kinder Morgan

Position: Northing: 1414678.74USft Latitude: 37°45'28.3"

Easting: 2031919.09USft Longitude: -108°50'57.8"

North Reference: True Grid Convergence: -2.05°

Elevation Above VRD: 7091.00USft

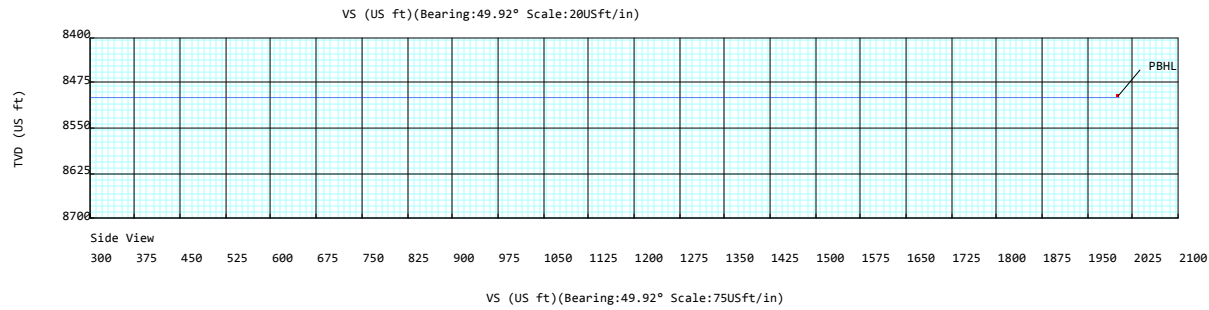
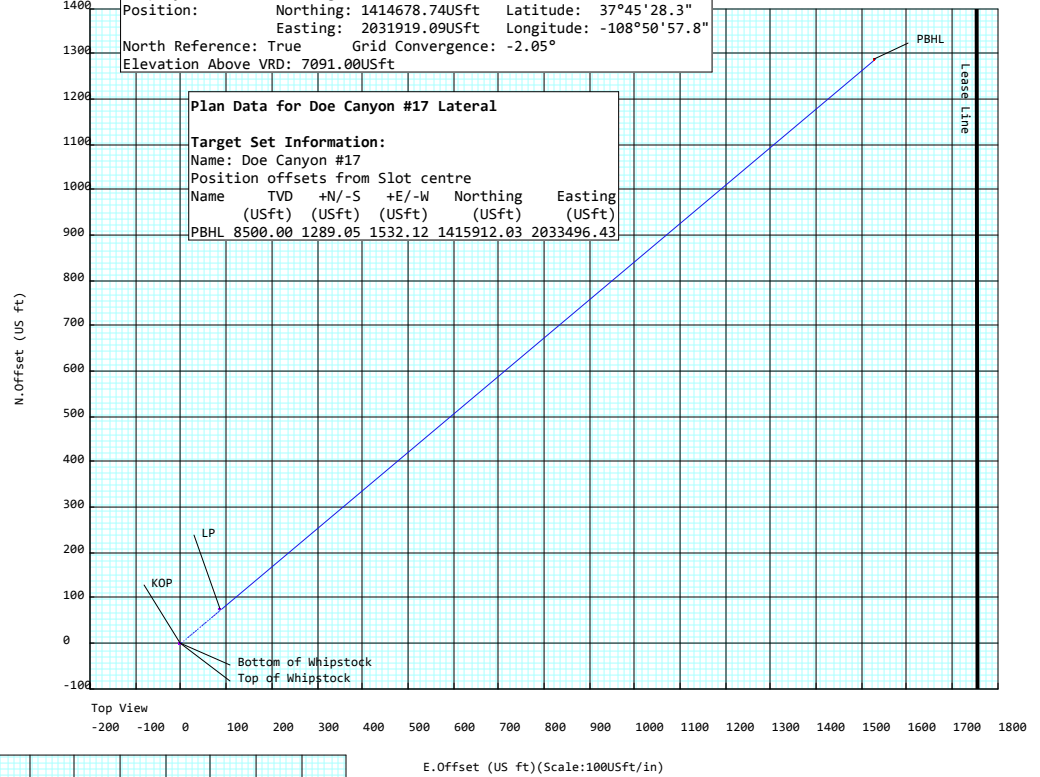
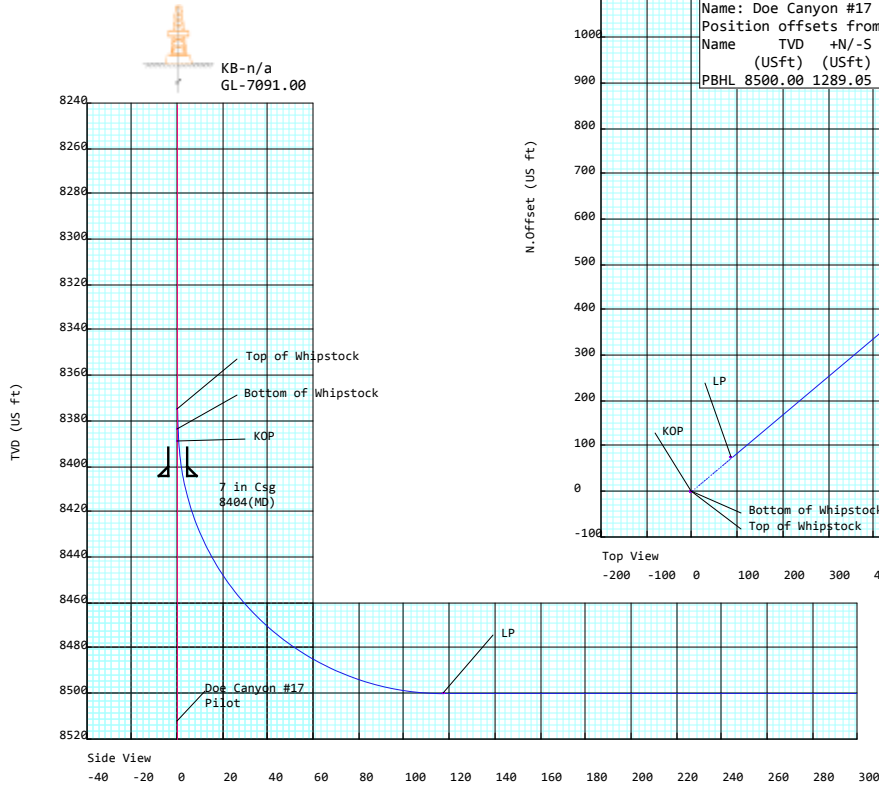
Plan Data for Doe Canyon #17 Lateral

Target Set Information:

Name: Doe Canyon #17

Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
PBHL	8500.00	1289.05	1532.12	1415912.03	2033496.43



Sign Off: Patrick Rudolph

Doe Canyon #17 Lateral

Field Name Kinder Morgan Dolores Co. (NAD83)	Map Units : US ft		Company Name : Kinder Morgan	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / Colorado South (ftUS)			
	Comment :			
Site Name Doe Canyon #17	Units : US ft	North Reference : True		Convergence Angle : -2.05
	Position	Northing : 1414678.74 US ft		Latitude : 37° 45' 28.26"
		Easting : 2031919.09 US ft		Longitude : -108° 50' 57.84"
	Elevation above Mean Sea Level:7091.00 US ft			
Comment :				
Slot Name Doe Canyon #17	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :1414678.74 US ft		Latitude : 37°45'28.26"
	+E / -W : 0.00 US ft	Easting :2031919.09 US ft		Longitude : -108°50'57.84"
	Slot TVD Reference : Ground Elevation			
	Elevation above Mean Sea Level : 7091.00 US ft			
	Comment :			
Well Name Doe Canyon #17 Lateral	Type : Sidetrack		UWI :	Plan : P1:V2
	Parent : Doe Canyon #17 Pilot		Tie Point Method : MD	Tie Point :8375.00 US ft
	Rig Height <i>Drill Floor</i> : 0.00 US ft		Comment :	
	Relative to Mean Sea Level: 7091.00 US ft			
	Closure Distance : 2002.26 US ft		Closure Azimuth : 49.9244°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az :49.92°
	Magnetic Parameters			
	Model : BGGM	Field Strength :	Dec : 10.18°	Dip : 64.06°
	50840.9nT		Date : 03/Jun/2014	

Target Set

Name : Doe Canyon #17 **Number of Targets :** 1

Comment :

Target Name: PBHL Shape: Cuboid	Position (Relative to Slot centre)			
	+N / -S : 1289.05US ft		Northing : 1415912.03 US ft	Latitude : 37°45'41.00"
	+E / -W : 1532.12 US ft		Easting : 2033496.43US ft	Longitude : -108°50'38.76"
	TVD (Drill Floor) : 8500.00 US ft			
	Orientation	Azimuth : 0.00°	Inclination : 0.00°	
	Dimensions	Length : 0.00 US ft	Breadth : 0.00 US ft	Height : 0.00 US ft

Well path created using minimum curvature

5D Plan Report

Salient Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	VS (US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	Comment
8375.00	0.00	0.00	8375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Top of Whipstock
8384.00	3.00	49.92	8384.00	0.15	0.18	33.33	0.24	33.33	0.00	49.92	Bottom of Whipstock
8389.00	3.00	49.92	8388.99	0.32	0.38	0.00	0.50	0.00	0.00	0.00	KOP
8566.88	90.00	49.92	8500.00	75.64	89.90	48.91	117.48	48.91	0.00	0.00	LP
10451.66	90.00	49.92	8500.00	1289.05	1532.12	0.00	2002.26	0.00	0.00	0.00	PBHL
Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)		Comment
8375.00	0.00	0.00	8375.00	0.00	0.00	0.00	0.00	1414678.74	2031919.09		Top of Whipstock
8384.00	3.00	49.92	8384.00	0.15	0.18	0.24	33.33	1414678.88	2031919.27		Bottom of Whipstock
8389.00	3.00	49.92	8388.99	0.32	0.38	0.50	0.00	1414679.04	2031919.48		KOP
8475.00	45.06	49.92	8465.78	22.36	26.58	34.74	48.91	1414700.13	2031946.45		
8566.88	90.00	49.92	8500.00	75.64	89.90	117.48	48.91	1414751.10	2032011.64		LP
8575.00	90.00	49.92	8500.00	80.86	96.11	125.60	0.00	1414756.10	2032018.04		
8675.00	90.00	49.92	8500.00	145.24	172.63	225.60	0.00	1414817.70	2032096.81		
8775.00	90.00	49.92	8500.00	209.62	249.15	325.60	0.00	1414879.29	2032175.59		
8875.00	90.00	49.92	8500.00	274.00	325.67	425.60	0.00	1414940.89	2032254.37		
8975.00	90.00	49.92	8500.00	338.38	402.19	525.60	0.00	1415002.48	2032333.15		
9075.00	90.00	49.92	8500.00	402.76	478.71	625.60	0.00	1415064.08	2032411.93		
9175.00	90.00	49.92	8500.00	467.14	555.23	725.60	0.00	1415125.67	2032490.71		
9275.00	90.00	49.92	8500.00	531.52	631.75	825.60	0.00	1415187.27	2032569.48		
9375.00	90.00	49.92	8500.00	595.90	708.27	925.60	0.00	1415248.86	2032648.26		
9475.00	90.00	49.92	8500.00	660.28	784.79	1025.60	0.00	1415310.46	2032727.04		
9575.00	90.00	49.92	8500.00	724.66	861.31	1125.60	0.00	1415372.05	2032805.82		
9675.00	90.00	49.92	8500.00	789.04	937.83	1225.60	0.00	1415433.65	2032884.60		
9775.00	90.00	49.92	8500.00	853.42	1014.35	1325.60	0.00	1415495.24	2032963.38		
9875.00	90.00	49.92	8500.00	917.80	1090.87	1425.60	0.00	1415556.84	2033042.15		
9975.00	90.00	49.92	8500.00	982.18	1167.38	1525.60	0.00	1415618.43	2033120.93		
10075.00	90.00	49.92	8500.00	1046.56	1243.90	1625.60	0.00	1415680.03	2033199.71		
10175.00	90.00	49.92	8500.00	1110.94	1320.42	1725.60	0.00	1415741.63	2033278.49		
10275.00	90.00	49.92	8500.00	1175.32	1396.94	1825.60	0.00	1415803.22	2033357.27		
10375.00	90.00	49.92	8500.00	1239.70	1473.46	1925.60	0.00	1415864.82	2033436.05		
10451.66	90.00	49.92	8500.00	1289.05	1532.12	2002.26	0.00	1415912.03	2033496.43		PBHL



Weatherford®

Weatherford Drilling Services

GeoDec4 v2.0.0.3

Report Date: March 31, 2014
Job Number: _____
Customer: Kinder Morgan
Well Name: Doe Canyon #17
API Number: _____
Rig Name: _____
Location: _____
Block: _____
Engineer: Patrick Rudolph

NAD83 (1986)	NAD83 (1986)
Geodetic Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 4269	EPSG: 4269
Latitude: 37.75785 Degree	Latitude: 37.75785 Degree
Longitude: -108.8494 Degree	Longitude: -108.8494 Degree
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 7091 usft
Latitude = 37° 45' 28.26" N
Longitude = 108° 50' 57.84" W

Magnetic Declination = 10.18 deg	[True North Offset]
Local Gravity = .9993 g	Checksum = 5756
Local Field Strength = 50786 nT	Magnetic Vector X = 21862 nT
Magnetic Dip = 64.06 deg	Magnetic Vector Y = 3924 nT
Magnetic Model = bggm2013.bgs	Magnetic Vector Z = 45671 nT
Run Date = June 03, 2014	Magnetic Vector H = 22212 nT

Signed: _____ Date: _____