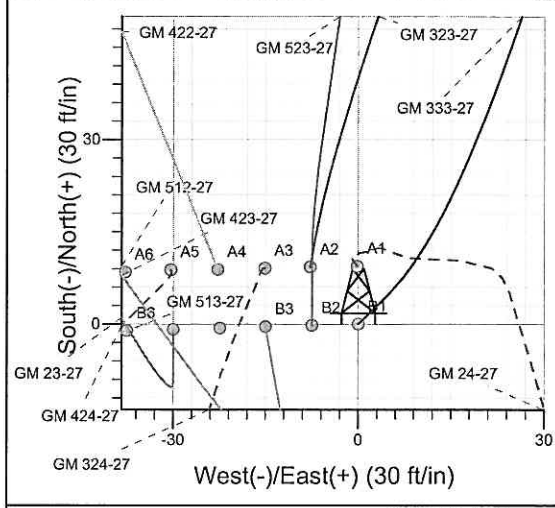
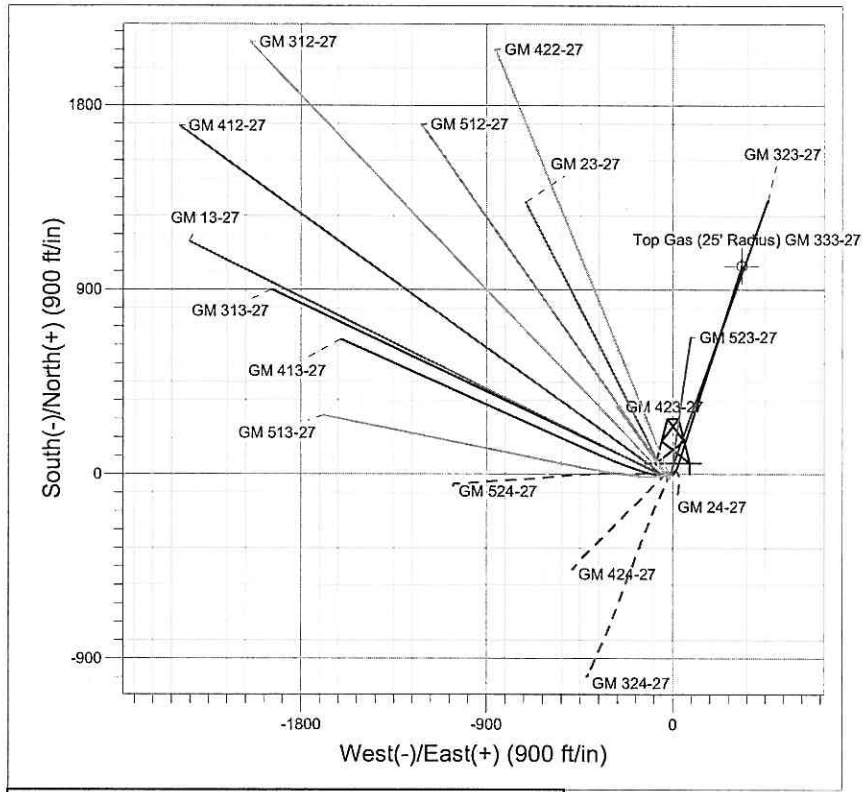
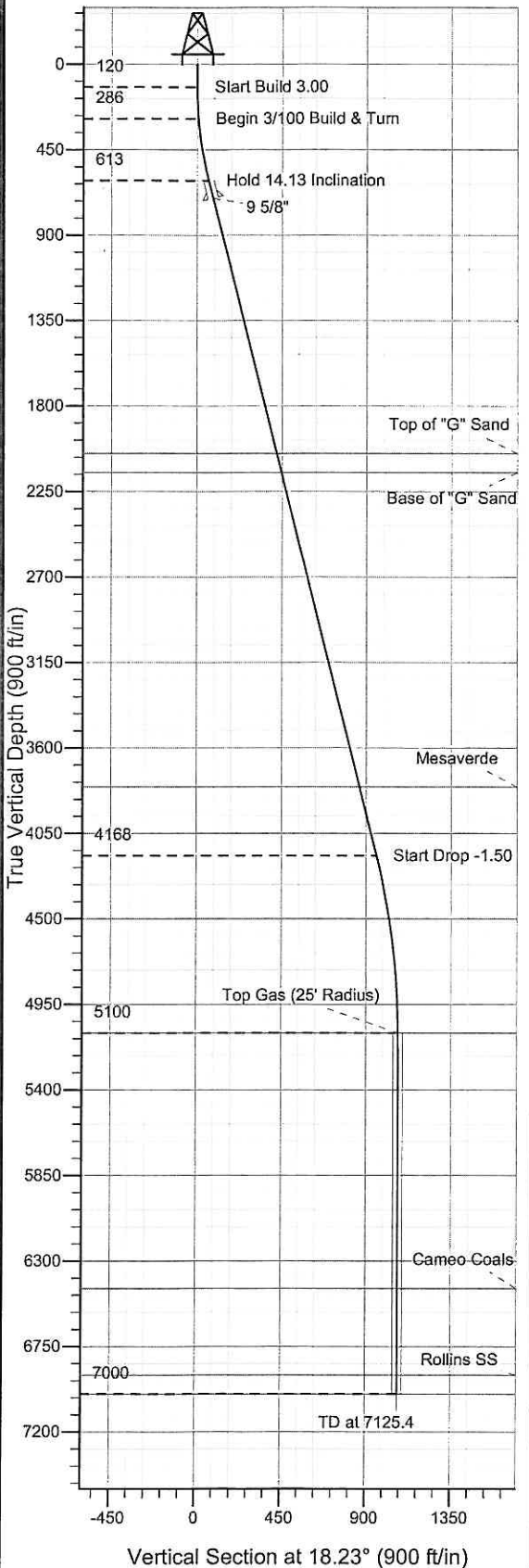




Well Name: GM 333-27
 Surface Location: GM 24-27 Pad
 North American Datum 1983, US State Plane 1983 Colorado Central Zone
 Ground Elevation: 5604.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1614208.20 2267712.80 39° 29' 27.824 N 108° 5' 42.322 W B1
 KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)



Project: GV 27-06S-096W
 Site: GM 24-27 Pad
 Well: GM 333-27
 Plan #1 11Dec08 kjs

Azimuths to True North
 Magnetic North: 10.70°
 Magnetic Field
 Strength: 52560.6snT
 Dip Angle: 65.79°
 Date: 12/10/2008
 Model: IGRF2005-10

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.0	
3	286.7	5.00	45.00	286.5	5.1	5.1	3.00	45.00	6.5	
4	618.2	14.13	17.70	613.2	54.0	27.7	3.00	-40.40	60.0	
5	4283.6	14.13	17.70	4167.7	906.3	299.7	0.00	0.00	954.5	
6	5225.4	0.00	0.00	5100.0	1016.3	334.8	1.50	180.00	1070.1	Top Gas (25' Radius) GM 333-27
7	7125.4	0.00	0.00	7000.0	1016.3	334.8	0.00	0.00	1070.1	TD / PBHL GM 333-27

ANNOTATIONS			
TVD	MD	Annotation	
120.0	120.0	Start Build 3.00	
286.5	286.7	Begin 3/100 Build & Turn	
613.2	618.2	Hold 14.13 Inclination	
4167.7	4283.6	Start Drop -1.50	
5100.0	5225.4	Top Gas	
7000.0	7125.4	TD at 7125.4	

PICEANCE VLY NAD 83

GV 27-06S-096W

GM 24-27 Pad

GM 333-27 - Slot B1

Wellbore #1

Plan: Plan #1 11Dec08 kjs

Standard Planning Report - Geographic

11 August, 2009

Williams Production RMT Company

Planning Report - Geographic

Database: EDMDB_COMPASS	Local Co-ordinate Reference: Well GM 333-27 - Slot B1
Company: PICEANCE VLY NAD 83	TVD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
Project: GV 27-06S-096W	MD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
Site: GM 24-27 Pad	North Reference: True
Well: GM 333-27	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Plan #1 11Dec08 kjs	

Project GV 27-06S-096W, Garfield County, CO, 27-06S-096W	
Map System: US State Plane 1983	System Datum: Mean Sea Level
Geo Datum: North American Datum 1983	
Map Zone: Colorado Central Zone	Using geodetic scale factor

Site GM 24-27 Pad					
Site Position:	Northing:	1,614,217.60 ft	Latitude:	39° 29' 27.917 N	
From: Map	Easting:	2,267,712.90 ft	Longitude:	108° 5' 42.324 W	
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-1.64 °

Well GM 333-27 - Slot B1						
Well Position	+N/-S	0.0 ft	Northing:	1,614,208.20 ft	Latitude:	39° 29' 27.824 N
	+E/-W	0.0 ft	Easting:	2,267,712.80 ft	Longitude:	108° 5' 42.322 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,604.0 ft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/10/2008	10.70	65.79	52,561

Design Plan #1 11Dec08 kjs				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	18.23

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.00	0.00	
286.7	5.00	45.00	286.5	5.1	5.1	3.00	3.00	0.00	45.00	
618.2	14.13	17.70	613.2	54.0	27.7	3.00	2.75	-8.23	-40.40	
4,283.6	14.13	17.70	4,167.7	906.3	299.7	0.00	0.00	0.00	0.00	
5,225.4	0.00	0.00	5,100.0	1,016.3	334.8	1.50	-1.50	0.00	180.00	Top Gas (25' Radius)
7,125.4	0.00	0.00	7,000.0	1,016.3	334.8	0.00	0.00	0.00	0.00	TD / PBHL GM 333-2

Williams Production RMT Company

Planning Report - Geographic

Database: EDMDB_COMPASS	Local Co-ordinate Reference: Well GM 333-27 - Slot B1
Company: PICEANCE VLY NAD 83	TVD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
Project: GV 27-06S-096W	MD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
Site: GM 24-27 Pad	North Reference: True
Well: GM 333-27	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Plan #1 11Dec08 kjs	

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,614,208.20	2,267,712.80	39° 29' 27.824 N	108° 5' 42.322 W
120.0	0.00	0.00	120.0	0.0	0.0	1,614,208.20	2,267,712.80	39° 29' 27.824 N	108° 5' 42.322 W
286.7	5.00	45.00	286.5	5.1	5.1	1,614,213.19	2,267,718.08	39° 29' 27.875 N	108° 5' 42.256 W
618.2	14.13	17.70	613.2	54.0	27.7	1,614,261.40	2,267,742.04	39° 29' 28.358 N	108° 5' 41.968 W
713.0	14.13	17.70	705.1	76.1	34.7	1,614,283.24	2,267,749.70	39° 29' 28.576 N	108° 5' 41.878 W
9 5/8"									
2,099.8	14.13	17.70	2,050.0	398.5	137.7	1,614,602.61	2,267,861.78	39° 29' 31.763 N	108° 5' 40.566 W
Top of "G" Sand									
2,203.0	14.13	17.70	2,150.0	422.5	145.3	1,614,626.36	2,267,870.11	39° 29' 32.000 N	108° 5' 40.468 W
Base of "G" Sand									
3,909.6	14.13	17.70	3,805.0	819.3	271.9	1,615,019.37	2,268,008.02	39° 29' 35.922 N	108° 5' 38.853 W
Mesaverde									
4,283.6	14.13	17.70	4,167.7	906.3	299.7	1,615,105.51	2,268,038.25	39° 29' 36.781 N	108° 5' 38.499 W
5,225.4	0.00	0.00	5,100.0	1,016.3	334.8	1,615,214.50	2,268,076.50	39° 29' 37.869 N	108° 5' 38.051 W
Approx. Top Gas									
6,570.4	0.00	0.00	6,445.0	1,016.3	334.8	1,615,214.50	2,268,076.50	39° 29' 37.869 N	108° 5' 38.051 W
Cameo Coals									
7,025.4	0.00	0.00	6,900.0	1,016.3	334.8	1,615,214.50	2,268,076.50	39° 29' 37.869 N	108° 5' 38.051 W
Rollins SS									
7,125.4	0.00	0.00	7,000.0	1,016.3	334.8	1,615,214.50	2,268,076.50	39° 29' 37.869 N	108° 5' 38.051 W
TD									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TD / PBHL GM 333-27 - hit/miss target - Shape - Point	0.00	0.00	7,000.0	1,016.3	334.8	1,615,214.50	2,268,076.50	39° 29' 37.869 N	108° 5' 38.051 W
Top Gas (25' Radius) GI - plan hits target - Circle (radius 25.0)	0.00	0.00	5,100.0	1,016.3	334.8	1,615,214.50	2,268,076.50	39° 29' 37.869 N	108° 5' 38.051 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
713.0	705.1	9 5/8"	9-5/8	12-1/4

Williams Production RMT Company

Planning Report - Geographic

Database: EDMDB_COMPASS	Local Co-ordinate Reference: Well GM 333-27 - Slot B1
Company: PICEANCE VLY NAD 83	TVD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
Project: GV 27-06S-096W	MD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
Site: GM 24-27 Pad	North Reference: True
Well: GM 333-27	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Plan #1 11Dec08 kjs	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,099.8	2,050.00	Top of "G" Sand				
2,203.0	2,150.00	Base of "G" Sand				
3,909.6	3,805.00	Mesaverde				
5,225.4	5,100.00	Approx. Top Gas				
6,570.4	6,445.00	Cameo Coals				
7,025.4	6,900.00	Rollins SS				
7,125.4	7,000.00	TD				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
120.0	120.0	0.0	0.0	Start Build 3.00	
286.7	286.5	5.1	5.1	Begin 3/100 Build & Turn	
618.2	613.2	54.0	27.7	Hold 14.13 Inclination	
4,283.6	4,167.7	906.3	299.7	Start Drop -1.50	
5,225.4	5,100.0	1,016.3	334.8	Top Gas	
7,125.4	7,000.0	1,016.3	334.8	TD at 7125.4	