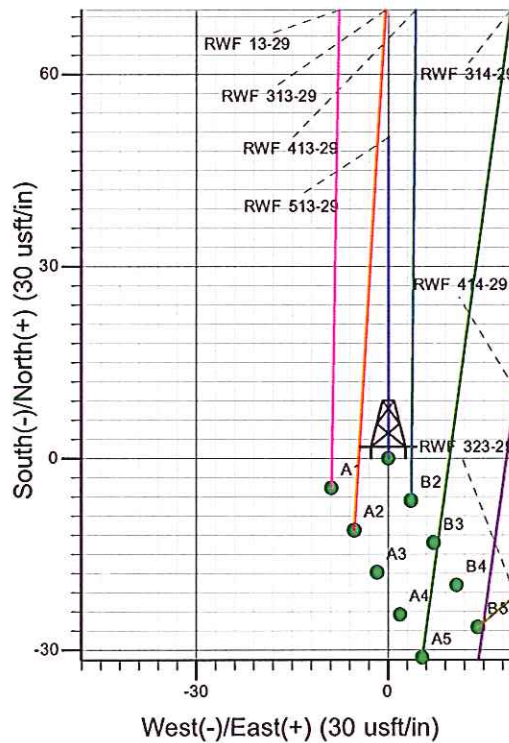
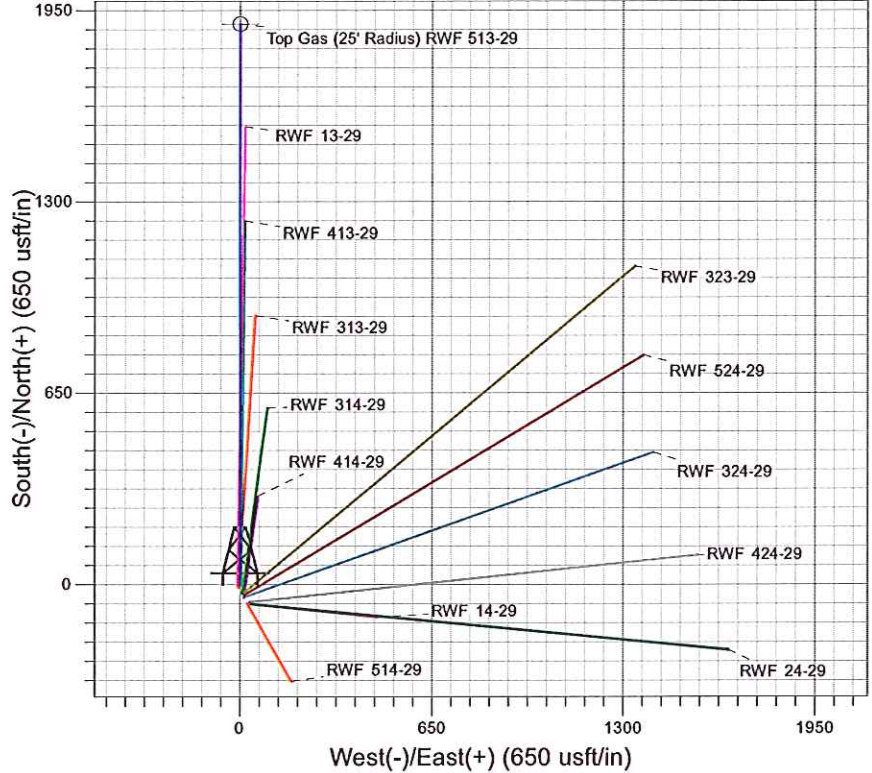
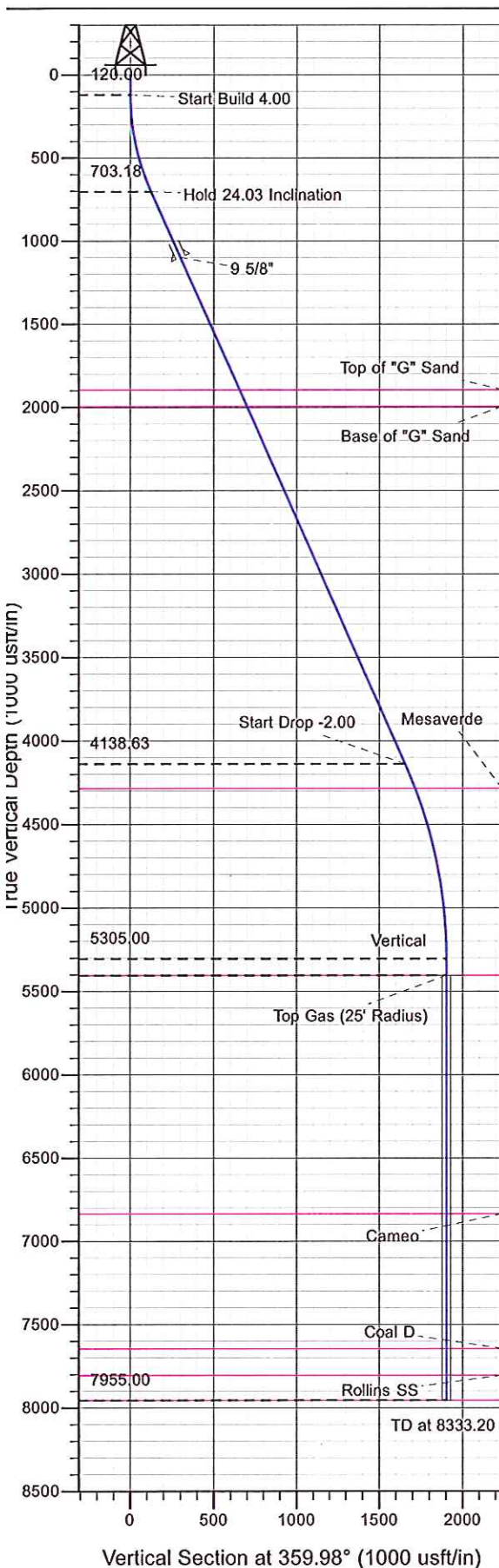




513-29
Surface Location: RWF 14-29 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5419.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1612522.70 2317473.60 39.49021 -107.91867 B1
KELLY BUSHING @ 5445.00usft (SSD 576)



Project: RU 29-06S-094W
Site: RWF 14-29 Pad
Well: RWF 513-29
Design #1 13Jun11 kjs

T M
Azimuths to True North
Magnetic North: 10.32°
Magnetic Field
Strength: 52262.1snT
Dip Angle: 65.75°
Date: 6/13/2011
Model: IGRF2010

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 4.00
720.63	24.03	359.98	703.18	124.09	-0.05	124.09	124.09	Hold 24.03 Inclination
4481.94	24.03	359.98	4138.63	1655.47	-0.68	1655.47	1655.47	Start Drop -2.00
5683.20	0.00	0.00	5305.00	1903.65	-0.78	1903.65	1903.65	Vertical
5783.20	0.00	0.00	5405.00	1903.65	-0.78	1903.65	1903.65	Top Gas
8333.20	0.00	0.00	7955.00	1903.65	-0.78	1903.65	1903.65	TD at 8333.20



PICEANCE VLY NAD 83

RU 29-06S-094W

RWF 14-29 Pad

RWF 513-29 - Slot B1

Wellbore #1

Plan: Design #1 13Jun11 kjs

Standard Planning Report - Geographic

17 April, 2012



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 513-29 - Slot B1
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Project:	RU 29-06S-094W	MD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Site:	RWF 14-29 Pad	North Reference:	True
Well:	RWF 513-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 13Jun11 kjs		

Project	RU 29-06S-094W, 29-06S-094W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	RWF 14-29 Pad				
Site Position:		Northing:	1,612,451.20 usft	Latitude:	39.49001
From:	Map	Easting:	2,317,498.20 usft	Longitude:	-107.91858
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-1.53 °

Well	RWF 513-29 - Slot B1					
Well Position	+N/-S	0.00 usft	Northing:	1,612,522.70 usft	Latitude:	39.49021
	+E/-W	0.00 usft	Easting:	2,317,473.60 usft	Longitude:	-107.91868
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,419.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/13/2011	10.32	65.75	52,262

Design	Design #1 13Jun11 kjs			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.98

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	
720.63	24.03	359.98	703.18	124.09	-0.05	4.00	4.00	0.00	359.98	
4,481.94	24.03	359.98	4,138.63	1,655.47	-0.68	0.00	0.00	0.00	0.00	
5,683.20	0.00	0.00	5,305.00	1,903.65	-0.78	2.00	-2.00	0.00	180.00	
5,783.20	0.00	0.00	5,405.00	1,903.65	-0.78	0.00	0.00	0.00	0.00	Top Gas (25' Radius)
8,333.20	0.00	0.00	7,955.00	1,903.65	-0.78	0.00	0.00	0.00	0.00	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 513-29 - Slot B1
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Project:	RU 29-06S-094W	MD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Site:	RWF 14-29 Pad	North Reference:	True
Well:	RWF 513-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 13Jun11 kjs		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,612,522.70	2,317,473.60	39.49021	-107.91868
120.00	0.00	0.00	120.00	0.00	0.00	1,612,522.70	2,317,473.60	39.49021	-107.91868
Start Build 4.00									
720.63	24.03	359.98	703.18	124.09	-0.05	1,612,646.75	2,317,476.85	39.49055	-107.91868
Hold 24.03 Inclination									
1,155.09	24.03	359.98	1,100.00	300.98	-0.12	1,612,823.57	2,317,481.49	39.49103	-107.91868
9 5/8"									
2,025.49	24.03	359.98	1,895.00	655.35	-0.27	1,613,177.82	2,317,490.78	39.49201	-107.91868
Top of "G" Sand									
2,134.98	24.03	359.98	1,995.00	699.93	-0.29	1,613,222.38	2,317,491.95	39.49213	-107.91868
Base of "G" Sand									
4,481.94	24.03	359.98	4,138.63	1,655.47	-0.68	1,614,177.59	2,317,517.00	39.49475	-107.91868
Start Drop -2.00									
4,640.32	20.86	359.98	4,285.00	1,715.92	-0.70	1,614,238.03	2,317,518.58	39.49492	-107.91868
Mesaverde									
5,683.20	0.00	0.00	5,305.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
Vertical									
5,783.20	0.00	0.00	5,405.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
Top Gas - Approx. Top Gas									
7,213.20	0.00	0.00	6,835.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
Cameo									
8,023.20	0.00	0.00	7,645.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
Coal D									
8,183.20	0.00	0.00	7,805.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
Rollins SS									
8,333.20	0.00	0.00	7,955.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
TD at 8333.20 - TD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Top Gas (25' Radius) R1	0.00	0.00	5,405.00	1,903.65	-0.78	1,614,425.70	2,317,523.50	39.49543	-107.91868
- plan hits target center									
- Circle (radius 25.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,155.09	1,100.00	9 5/8"	9.625	14.750	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 513-29 - Slot B1
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Project:	RU 29-06S-094W	MD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Site:	RWF 14-29 Pad	North Reference:	True
Well:	RWF 513-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 13Jun11 kjs		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,025.49	1,895.00	Top of "G" Sand				
2,134.98	1,995.00	Base of "G" Sand				
4,640.32	4,285.00	Mesaverde				
5,783.20	5,405.00	Approx. Top Gas				
7,213.20	6,835.00	Cameo				
8,023.20	7,645.00	Coal D				
8,183.20	7,805.00	Rollins SS				
8,333.20	7,955.00	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.00	120.00	0.00	0.00	Start Build 4.00	
720.63	703.18	124.09	-0.05	Hold 24.03 Inclination	
4,481.94	4,138.63	1,655.47	-0.68	Start Drop -2.00	
5,683.20	5,305.00	1,903.65	-0.78	Vertical	
5,783.20	5,405.00	1,903.65	-0.78	Top Gas	
8,333.20	7,955.00	1,903.65	-0.78	TD at 8333.20	