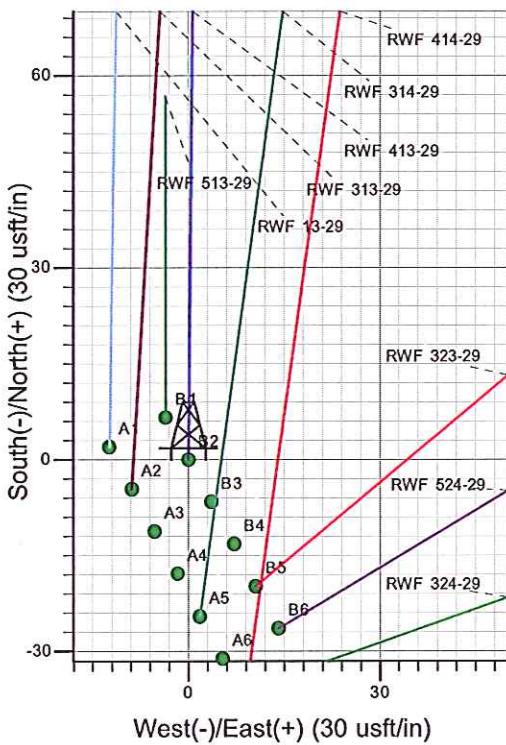
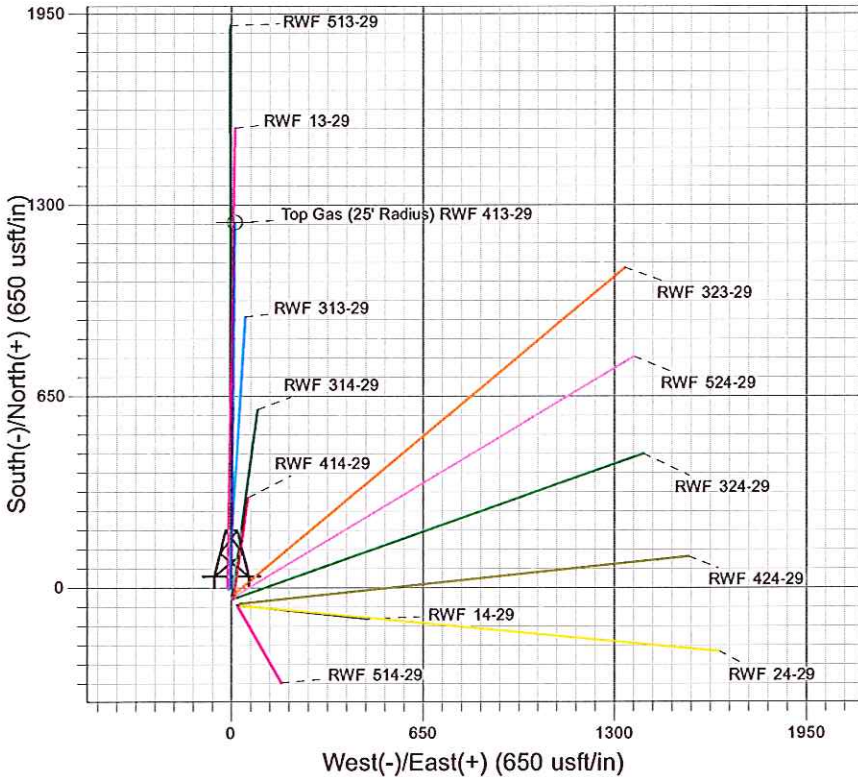
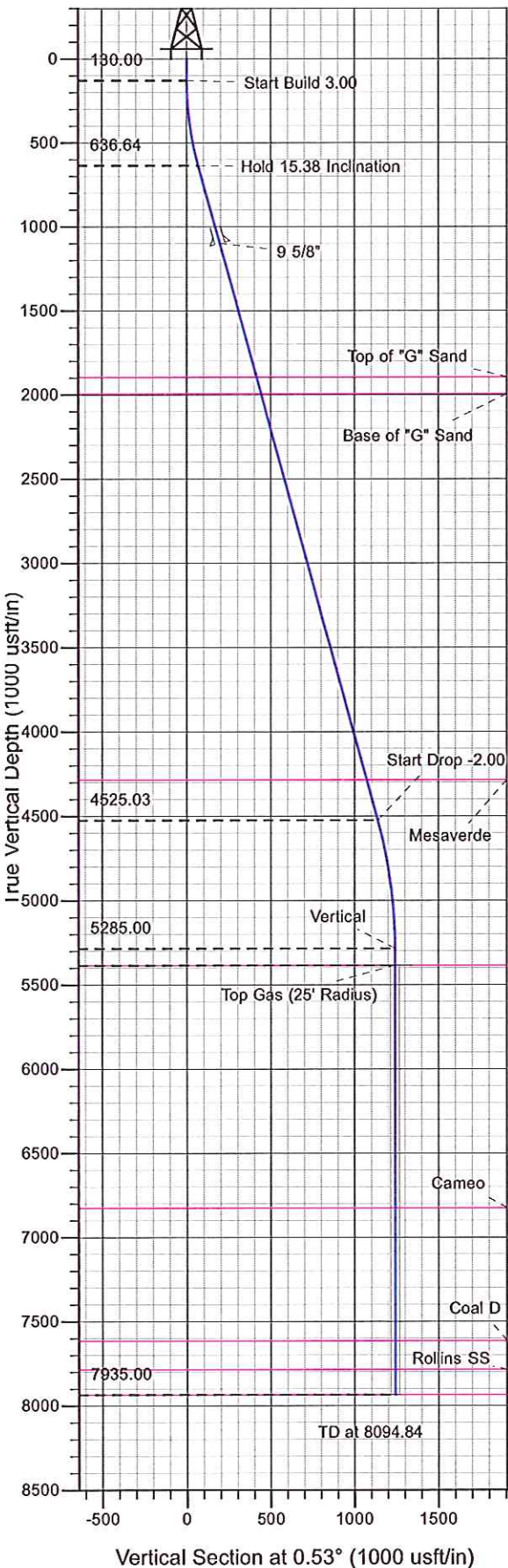




413-29
Surface Location: RWF 14-29 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5419.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1612516.00 2317477.00 39.49019 -107.91866 B2
KELLY BUSHING @ 5445.00usft (SSD 576)



Project: RU 29-06S-094W
Site: RWF 14-29 Pad
Well: RWF 413-29
Design #1 15Jun11 kjs

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	VSecl	Departure	Annotation
130.00	0.00	0.00	130.00	0.00	0.00	0.00	0.00	Start Build 3.00
642.78	15.38	0.53	636.64	68.42	0.64	68.43	68.43	Hold 15.38 Inclination
4675.66	15.38	0.53	4525.03	1138.21	10.61	1138.26	1138.26	Start Drop -2.00
5444.84	0.00	0.00	5285.00	1240.85	11.57	1240.90	1240.90	Vertical
5544.84	0.00	0.00	5385.00	1240.85	11.57	1240.90	1240.90	Top Gas
8094.84	0.00	0.00	7935.00	1240.85	11.57	1240.90	1240.90	TD at 8094.84



PICEANCE VLY NAD 83

RU 29-06S-094W

RWF 14-29 Pad

RWF 413-29 - Slot B2

Wellbore #1

Plan: Design #1 15Jun11 kjs

Standard Planning Report - Geographic

17 April, 2012



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 413-29 - Slot B2
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 413-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 15Jun11 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 413-29 - Slot B2					
Well Position	+N/-S	0.00 usft	Northing:	1,612,516.00 usft	Latitude:	39.49019
	+E/-W	0.00 usft	Easting:	2,317,477.00 usft	Longitude:	-107.91866
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 15Jun11 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	0.53

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	
130.00	0.00	0.00	130.00	0.00	0.00	0.00	0.00	0.00	0.00	
642.78	15.38	0.53	636.64	68.42	0.64	3.00	3.00	0.00	0.53	
4,675.66	15.38	0.53	4,525.03	1,138.21	10.61	0.00	0.00	0.00	0.00	
5,444.84	0.00	0.00	5,285.00	1,240.85	11.57	2.00	-2.00	0.00	180.00	
5,544.84	0.00	0.00	5,385.00	1,240.85	11.57	0.00	0.00	0.00	0.00	Top Gas (25' Radius)
8,094.84	0.00	0.00	7,935.00	1,240.85	11.57	0.00	0.00	0.00	0.00	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 413-29 - Slot B2
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 413-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 15Jun11 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	1,612,516.00	2,317,477.00	39.49019	-107.91866
130.00	0.00	0.00	130.00	0.00	0.00	1,612,516.00	2,317,477.00	39.49019	-107.91866
Start Build 3.00									
642.78	15.38	0.53	636.64	68.42	0.64	1,612,584.38	2,317,479.46	39.49038	-107.91866
Hold 15.38 Inclination									
1,123.36	15.38	0.53	1,100.00	195.90	1.83	1,612,711.78	2,317,484.04	39.49073	-107.91866
9 5/8"									
1,947.90	15.38	0.53	1,895.00	414.63	3.87	1,612,930.37	2,317,491.90	39.49133	-107.91865
Top of "G" Sand									
2,051.61	15.38	0.53	1,995.00	442.14	4.12	1,612,957.87	2,317,492.89	39.49140	-107.91865
Base of "G" Sand									
4,426.71	15.38	0.53	4,285.00	1,072.17	10.00	1,613,587.52	2,317,515.54	39.49313	-107.91863
Mesaverde									
4,675.66	15.38	0.53	4,525.03	1,138.21	10.61	1,613,653.52	2,317,517.91	39.49331	-107.91863
Start Drop -2.00									
5,444.84	0.00	0.00	5,285.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
Vertical									
5,544.84	0.00	0.00	5,385.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
Top Gas - Approx. Top Gas									
6,984.84	0.00	0.00	6,825.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
Cameo									
7,774.84	0.00	0.00	7,615.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
Coal D									
7,944.84	0.00	0.00	7,785.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
Rollins SS									
8,094.84	0.00	0.00	7,935.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
TD at 8094.84 - 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) RI	0.00	0.00	5,385.00	1,240.85	11.57	1,613,756.10	2,317,521.60	39.49360	-107.91862
- plan hits target center									
- Circle (radius 25.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,123.36	1,100.00	9 5/8"	9.625	14.750	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 413-29 - Slot B2
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 413-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 15Jun11 kjs		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,947.90	1,895.00	Top of "G" Sand				
2,051.61	1,995.00	Base of "G" Sand				
4,426.71	4,285.00	Mesaverde				
5,544.84	5,385.00	Approx. Top Gas				
6,984.84	6,825.00	Cameo				
7,774.84	7,615.00	Coal D				
7,944.84	7,785.00	Rollins SS				
8,094.84	7,935.00	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			Comment
		+N/-S (usft)	+E/-W (usft)		
130.00	130.00	0.00	0.00		Start Build 3.00
642.78	636.64	68.42	0.64		Hold 15.38 Inclination
4,675.66	4,525.03	1,138.21	10.61		Start Drop -2.00
5,444.84	5,285.00	1,240.85	11.57		Vertical
5,544.84	5,385.00	1,240.85	11.57		Top Gas
8,094.84	7,935.00	1,240.85	11.57		TD at 8094.84