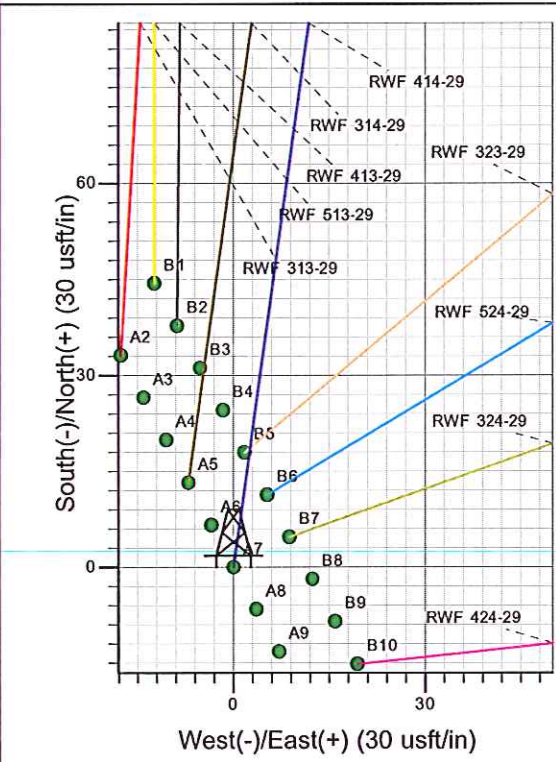
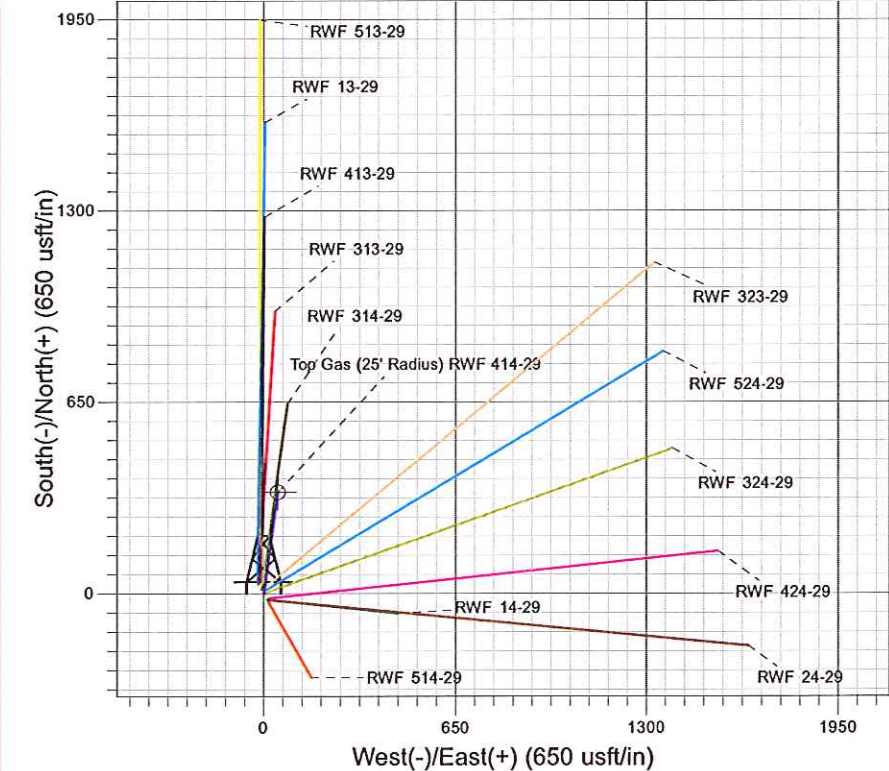
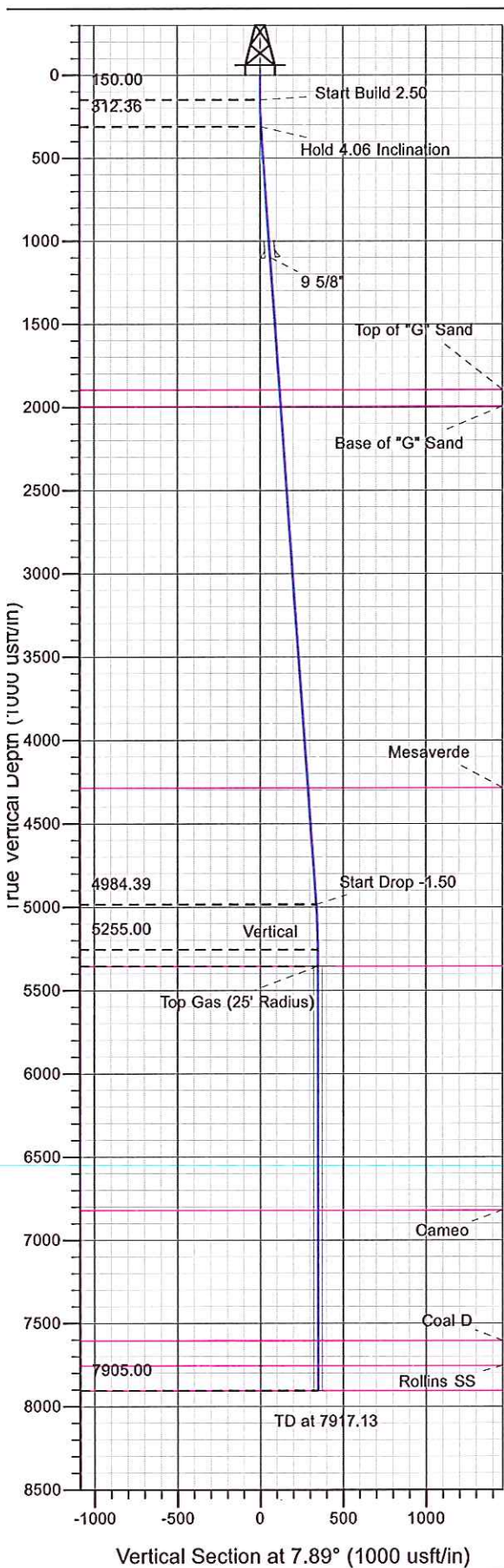




414-29
Surface Location: RWF 14-29 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5419.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1612478.00	2317484.80	39.49008	-107.91863	A7

KELLY BUSHING @ 5445.00usft (SSD 576)



Project: RU 29-06S-094W
Site: RWF 14-29 Pad
Well: RWF 414-29
Design #1 15Jun1 kjs

Azimuths to True North
Magnetic North: 10.32°
Magnetic Field
Strength: 52262.0snT
Dip Angle: 65.75°
Date: 6/13/2011
Model: IGRF2010

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	Start Build 2.50
312.50	4.06	7.89	312.36	5.70	0.79	5.76	5.76	Hold 4.06 Inclination
4996.30	4.06	7.89	4984.39	334.38	46.34	337.58	337.58	Start Drop -1.50
5267.13	0.00	0.00	5255.00	343.89	47.66	347.18	347.18	Vertical
5367.13	0.00	0.00	5355.00	343.89	47.66	347.18	347.18	Top Gas
7917.13	0.00	0.00	7905.00	343.89	47.66	347.18	347.18	TD at 7917.13



PICEANCE VLY NAD 83

RU 29-06S-094W

RWF 14-29 Pad

RWF 414-29 - Slot A7

Wellbore #1

Plan: Design #1 15Jun1 kjs

Standard Planning Report - Geographic

17 April, 2012



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 414-29 - Slot A7
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 414-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 15Jun1 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 414-29 - Slot A7			
Well Position	+N/-S	0.00 usft	Northing:	1,612,478.00 usft
	+E/-W	0.00 usft	Easting:	2,317,484.80 usft
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 15Jun1 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	7.89

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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
312.50	4.06	7.89	312.36	5.70	0.79	2.50	2.50	0.00	7.89	
4,996.30	4.06	7.89	4,984.39	334.38	46.34	0.00	0.00	0.00	0.00	
5,267.13	0.00	0.00	5,255.00	343.89	47.66	1.50	-1.50	0.00	180.00	
5,367.13	0.00	0.00	5,355.00	343.89	47.66	0.00	0.00	0.00	0.00	Top Gas (25' Radius)
7,917.13	0.00	0.00	7,905.00	343.89	47.66	0.00	0.00	0.00	0.00	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 414-29 - Slot A7
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 414-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 15Jun1 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	1,612,478.00	2,317,484.80	39.49009	-107.91863
150.00	0.00	0.00	150.00	0.00	0.00	1,612,478.00	2,317,484.80	39.49009	-107.91863
Start Build 2.50									
312.50	4.06	7.89	312.36	5.70	0.79	1,612,483.68	2,317,485.74	39.49010	-107.91863
Hold 4.06 Inclination									
1,102.12	4.06	7.89	1,100.00	61.11	8.47	1,612,538.86	2,317,494.90	39.49025	-107.91860
9 5/8"									
1,899.12	4.06	7.89	1,895.00	117.04	16.22	1,612,594.57	2,317,504.13	39.49041	-107.91858
Top of "G" Sand									
1,999.37	4.06	7.89	1,995.00	124.08	17.20	1,612,601.57	2,317,505.30	39.49043	-107.91857
Base of "G" Sand									
4,295.14	4.06	7.89	4,285.00	285.18	39.53	1,612,762.02	2,317,531.90	39.49087	-107.91849
Mesaverde									
4,996.30	4.06	7.89	4,984.39	334.38	46.34	1,612,811.03	2,317,540.03	39.49100	-107.91847
Start Drop -1.50									
5,267.13	0.00	0.00	5,255.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
Vertical									
5,367.13	0.00	0.00	5,355.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
Top Gas - Approx. Top Gas									
6,832.13	0.00	0.00	6,820.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
Cameo									
7,617.13	0.00	0.00	7,605.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
Coal D									
7,767.13	0.00	0.00	7,755.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
Rollins SS									
7,917.13	0.00	0.00	7,905.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
TD at 7917.13 - 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	5,355.00	343.89	47.66	1,612,820.50	2,317,541.60	39.49103	-107.91846
- plan hits target center									
- Circle (radius 25.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,102.12	1,100.00	9 5/8"	9.625	14.750	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 414-29 - Slot A7
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 414-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 15Jun1 kjs		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,899.12	1,895.00	Top of "G" Sand				
1,999.37	1,995.00	Base of "G" Sand				
4,295.14	4,285.00	Mesaverde				
5,367.13	5,355.00	Approx. Top Gas				
6,832.13	6,820.00	Cameo				
7,617.13	7,605.00	Coal D				
7,767.13	7,755.00	Rollins SS				
7,917.13	7,905.00	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
150.00	150.00	0.00	0.00	Start Build 2.50	
312.50	312.36	5.70	0.79	Hold 4.06 Inclination	
4,996.30	4,984.39	334.38	46.34	Start Drop -1.50	
5,267.13	5,255.00	343.89	47.66	Vertical	
5,367.13	5,355.00	343.89	47.66	Top Gas	
7,917.13	7,905.00	343.89	47.66	TD at 7917.13	