

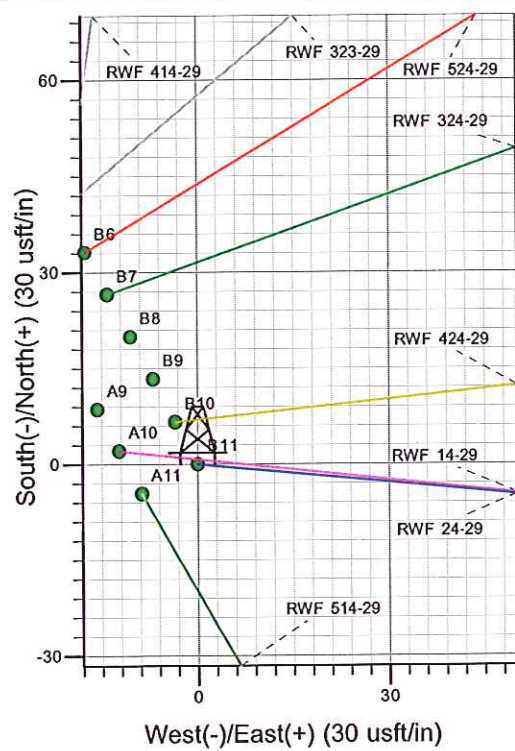
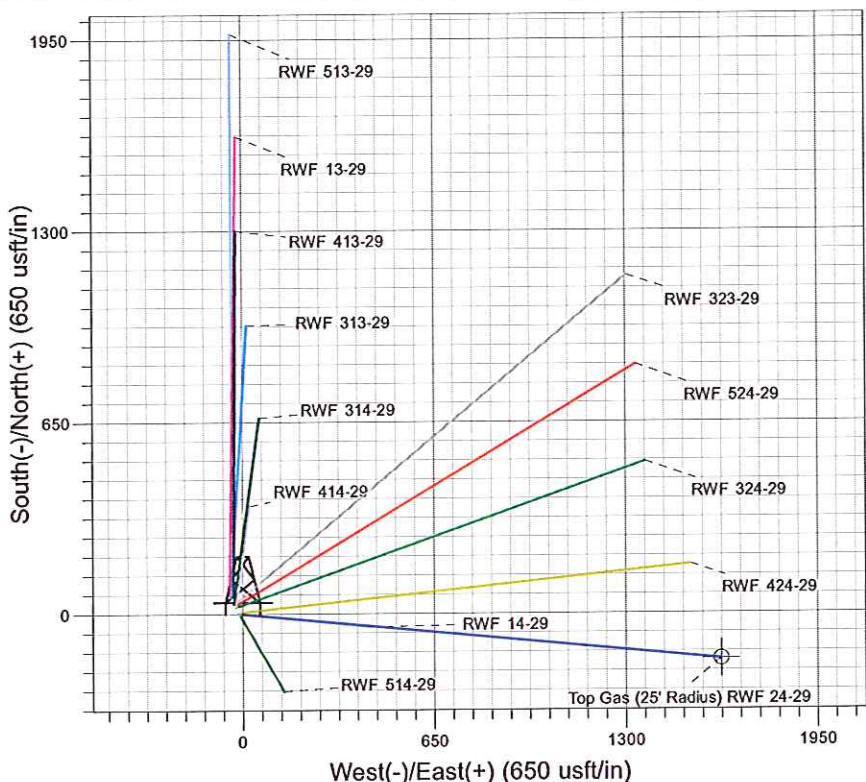
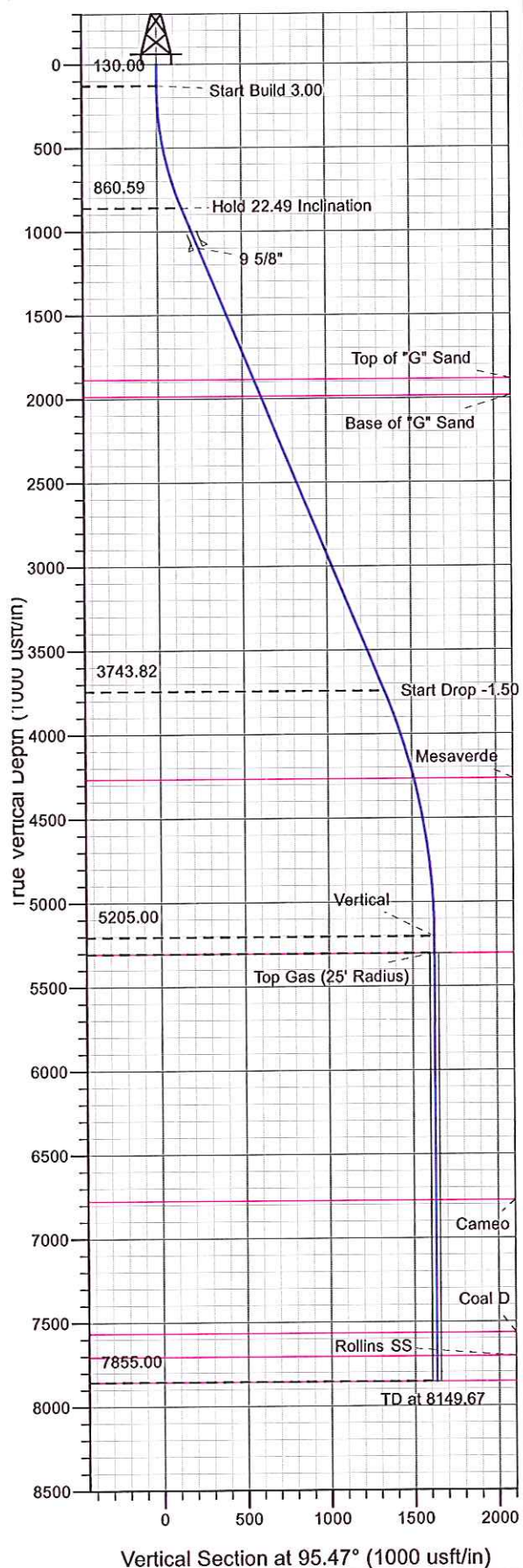


24-29

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	1612455.60	2317507.10	39.49002	-107.91855	B11

KELLY BUSHING @ 5445.00usft (SSD 576)



Project: RU 29-06S-094W
 Site: RWF 14-29 Pad
 Well: RWF 24-29
 Design #1 15Jun11 kjs

Azimuths to True North
 Magnetic North: 10.32°

Magnetic Field
 Strength: 52261.4snT
 Dip Angle: 65.75°
 Date: 6/15/2011
 Model: IGRF2010

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
130.00	0.00	0.00	130.00	0.00	0.00	0.00	0.00	Start Build 3.00
879.70	22.49	95.47	860.59	-13.84	144.60	145.26	145.26	Hold 22.49 Inclination
4000.27	22.49	95.47	3743.82	-127.59	1332.90	1339.00	1339.00	Start Drop -1.50
5499.67	0.00	0.00	5205.00	-155.28	1622.11	1629.52	1629.52	Vertical
5599.67	0.00	0.00	5305.00	-155.28	1622.11	1629.52	1629.52	Top Gas
8149.67	0.00	0.00	7855.00	-155.28	1622.11	1629.52	1629.52	TD at 8149.67



PICEANCE VLY NAD 83

RU 29-06S-094W

RWF 14-29 Pad

RWF 24-29 - Slot B11

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 24-29 - Slot B11
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 24-29	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 24-29 - Slot B11			
Well Position	+N/-S	0.00 usft	Northing:	1,612,455.60 usft
	+E/-W	0.00 usft	Easting:	2,317,507.10 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	6/15/2011	10.32	65.75	52,261

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	95.47

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	
879.70	22.49	95.47	860.59	-13.84	144.60	3.00	3.00	0.00	95.47	
4,000.27	22.49	95.47	3,743.82	-127.59	1,332.90	0.00	0.00	0.00	0.00	
5,499.67	0.00	0.00	5,205.00	-155.28	1,622.11	1.50	-1.50	0.00	180.00	
5,599.67	0.00	0.00	5,305.00	-155.28	1,622.11	0.00	0.00	0.00	0.00	Top Gas (25' Radius)
8,149.67	0.00	0.00	7,855.00	-155.28	1,622.11	0.00	0.00	0.00	0.00	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 24-29 - Slot B11
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 24-29	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	1,612,455.60	2,317,507.10	39.49003	-107.91855
130.00	0.00	0.00	130.00	0.00	0.00	1,612,455.60	2,317,507.10	39.49003	-107.91855
Start Build 3.00									
879.70	22.49	95.47	860.59	-13.84	144.60	1,612,437.91	2,317,651.28	39.48999	-107.91804
Hold 22.49 Inclination									
1,138.81	22.49	95.47	1,100.00	-23.29	243.27	1,612,425.84	2,317,749.67	39.48996	-107.91769
9 5/8"									
1,988.44	22.49	95.47	1,885.00	-54.26	566.81	1,612,386.27	2,318,072.26	39.48988	-107.91654
Top of "G" Sand									
2,096.67	22.49	95.47	1,985.00	-58.20	608.02	1,612,381.23	2,318,113.36	39.48987	-107.91640
Base of "G" Sand									
4,000.27	22.49	95.47	3,743.82	-127.59	1,332.90	1,612,292.57	2,318,836.14	39.48967	-107.91383
Start Drop -1.50									
4,549.91	14.25	95.47	4,265.00	-144.08	1,505.17	1,612,271.50	2,319,007.91	39.48963	-107.91322
Mesaverde									
5,499.67	0.00	0.00	5,205.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280
Vertical									
5,599.67	0.00	0.00	5,305.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280
Top Gas - Approx. Top Gas									
7,069.67	0.00	0.00	6,775.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280
Cameo									
7,859.67	0.00	0.00	7,565.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280
Coal D									
7,999.67	0.00	0.00	7,705.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280
Rollins SS									
8,149.67	0.00	0.00	7,855.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280
TD at 8149.67 - TD									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Top Gas (25' Radius) RI - plan hits target center - Circle (radius 25.00)	0.00	0.00	5,305.00	-155.28	1,622.11	1,612,257.20	2,319,124.50	39.48960	-107.91280

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,138.81	1,100.00	9 5/8"	9.625	14.750	



WPX Energy
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Project:	RU 29-06S-094W	MD Reference:	KELLY BUSHING @ 5445.00usft (SSD 576)
Site:	RWF 14-29 Pad	North Reference:	True
Well:	RWF 24-29	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 (°)	
1,988.44	1,885.00	Top of "G" Sand				
2,096.67	1,985.00	Base of "G" Sand				
4,549.91	4,265.00	Mesaverde				
5,599.67	5,305.00	Approx. Top Gas				
7,069.67	6,775.00	Cameo				
7,859.67	7,565.00	Coal D				
7,999.67	7,705.00	Rollins SS				
8,149.67	7,855.00	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
130.00	130.00	0.00	0.00	Start Build 3.00	
879.70	860.59	-13.84	144.60	Hold 22.49 Inclination	
4,000.27	3,743.82	-127.59	1,332.90	Start Drop -1.50	
5,499.67	5,205.00	-155.28	1,622.11	Vertical	
5,599.67	5,305.00	-155.28	1,622.11	Top Gas	
8,149.67	7,855.00	-155.28	1,622.11	TD at 8149.67	