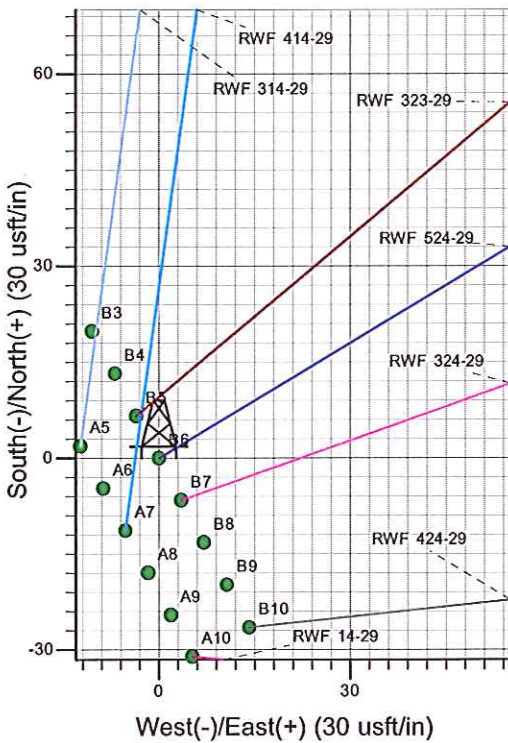
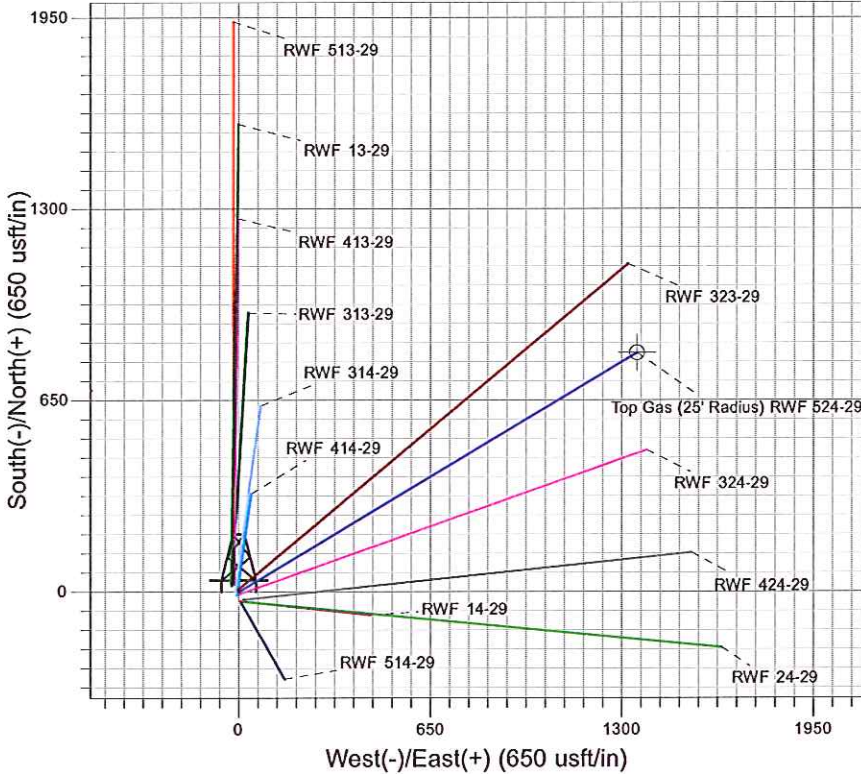
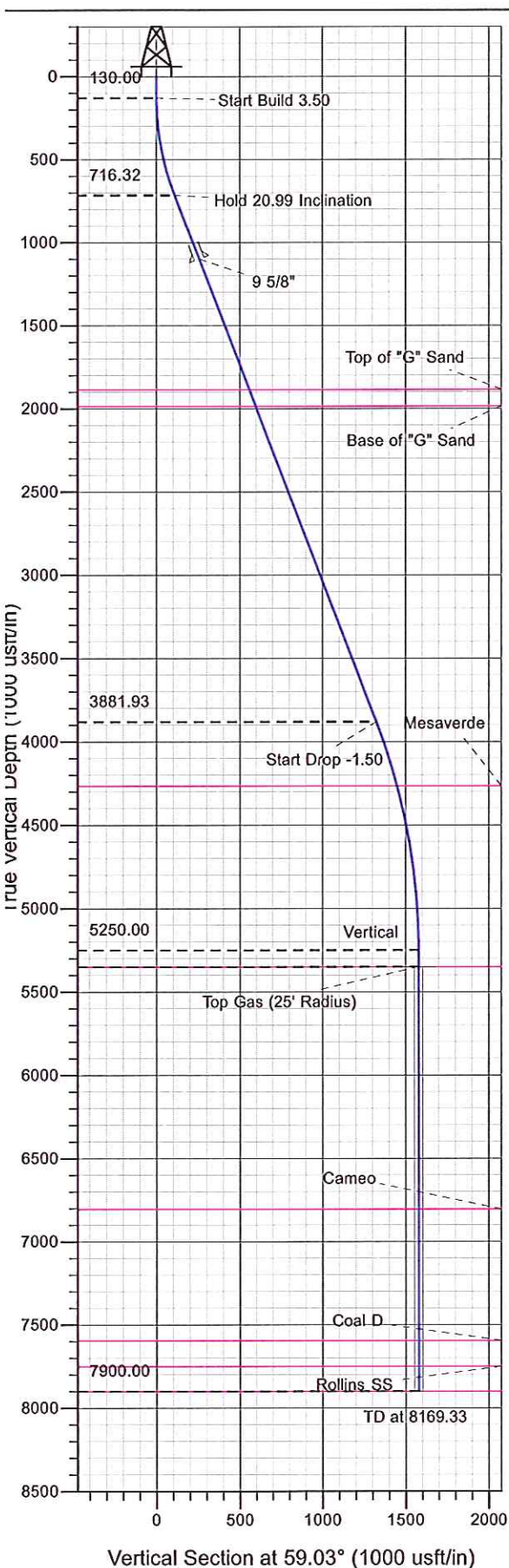




524-29
Surface Location: RWF 14-29 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5419.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1612489.20 2317490.40 39.49012 -107.91861 B6
KELLY BUSHING @ 5445.00usft (SSD 576)



Project: RU 29-06S-094W
Site: RWF 14-29 Pad
Well: RWF 524-29
Design #1 15Jun11 kjs



Azimuths to True North
Magnetic North: 10.32°
Magnetic Field
Strength: 52261.5nT
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 3.50
729.64	20.99	59.03	716.32	55.88	93.12	108.60	108.60	Hold 20.99 Inclination
4120.18	20.99	59.03	3881.93	680.69	1134.40	1322.96	1322.96	Start Drop -1.50
5519.33	0.00	0.00	5250.00	811.07	1351.69	1576.35	1576.35	Vertical
5619.33	0.00	0.00	5350.00	811.07	1351.69	1576.35	1576.35	Top Gas
8169.33	0.00	0.00	7900.00	811.07	1351.69	1576.35	1576.35	TD at 8169.33



PICEANCE VLY NAD 83

RU 29-06S-094W

RWF 14-29 Pad

RWF 524-29 - Slot B6

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 524-29 - Slot B6
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 524-29	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 524-29 - Slot B6					
Well Position	+N/-S	0.00 usft	Northing:	1,612,489.20 usft	Latitude:	39.49012
	+E/-W	0.00 usft	Easting:	2,317,490.40 usft	Longitude:	-107.91861
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	59.03

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	
729.64	20.99	59.03	716.32	55.88	93.12	3.50	3.50	0.00	59.03	
4,120.18	20.99	59.03	3,881.93	680.69	1,134.40	0.00	0.00	0.00	0.00	
5,519.33	0.00	0.00	5,250.00	811.07	1,351.69	1.50	-1.50	0.00	180.00	
5,619.33	0.00	0.00	5,350.00	811.07	1,351.69	0.00	0.00	0.00	0.00	Top Gas (25' Radius)
8,169.33	0.00	0.00	7,900.00	811.07	1,351.69	0.00	0.00	0.00	0.00	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 524-29 - Slot B6
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 524-29	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	1,612,489.20	2,317,490.40	39.49012	-107.91861
130.00	0.00	0.00	130.00	0.00	0.00	1,612,489.20	2,317,490.40	39.49012	-107.91861
Start Build 3.50									
729.64	20.99	59.03	716.32	55.88	93.12	1,612,542.57	2,317,584.98	39.49027	-107.91828
Hold 20.99 Inclination									
1,140.58	20.99	59.03	1,100.00	131.61	219.33	1,612,614.92	2,317,713.16	39.49048	-107.91784
9 5/8"									
1,981.36	20.99	59.03	1,885.00	286.55	477.54	1,612,762.93	2,317,975.40	39.49090	-107.91692
Top of "G" Sand									
2,088.46	20.99	59.03	1,985.00	306.28	510.44	1,612,781.78	2,318,008.81	39.49096	-107.91681
Base of "G" Sand									
4,120.18	20.99	59.03	3,881.93	680.69	1,134.40	1,613,139.45	2,318,642.52	39.49199	-107.91459
Start Drop -1.50									
4,523.07	14.94	59.03	4,265.00	744.60	1,240.91	1,613,200.50	2,318,750.70	39.49216	-107.91422
Mesaverde									
5,519.33	0.00	0.00	5,250.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
Vertical									
5,619.33	0.00	0.00	5,350.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
Top Gas - Approx. Top Gas									
7,074.33	0.00	0.00	6,805.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
Cameo									
7,864.33	0.00	0.00	7,595.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
Coal D									
8,019.33	0.00	0.00	7,750.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
Rollins SS									
8,169.33	0.00	0.00	7,900.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
TD at 8169.33 - 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) R\	0.00	0.00	5,350.00	811.07	1,351.69	1,613,264.00	2,318,863.20	39.49234	-107.91382
- plan hits target center									
- Circle (radius 25.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,140.58	1,100.00	9 5/8"	9.625	14.750	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 524-29 - Slot B6
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 524-29	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 (°)	
1,981.36	1,885.00	Top of "G" Sand				
2,088.46	1,985.00	Base of "G" Sand				
4,523.07	4,265.00	Mesaverde				
5,619.33	5,350.00	Approx. Top Gas				
7,074.33	6,805.00	Cameo				
7,864.33	7,595.00	Coal D				
8,019.33	7,750.00	Rollins SS				
8,169.33	7,900.00	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 3.50	
729.64	716.32	55.88	93.12	Hold 20.99 Inclination	
4,120.18	3,881.93	680.69	1,134.40	Start Drop -1.50	
5,519.33	5,250.00	811.07	1,351.69	Vertical	
5,619.33	5,350.00	811.07	1,351.69	Top Gas	
8,169.33	7,900.00	811.07	1,351.69	TD at 8169.33	