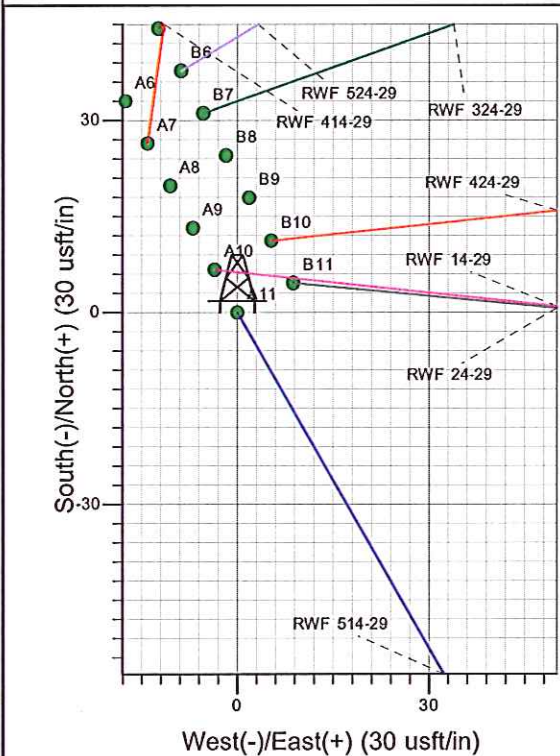
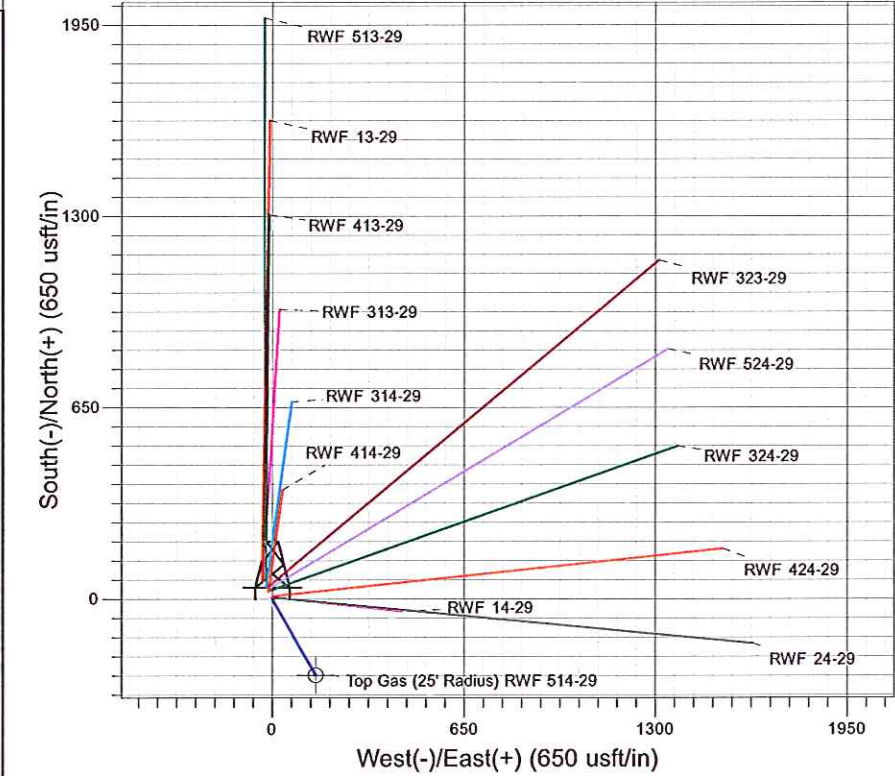
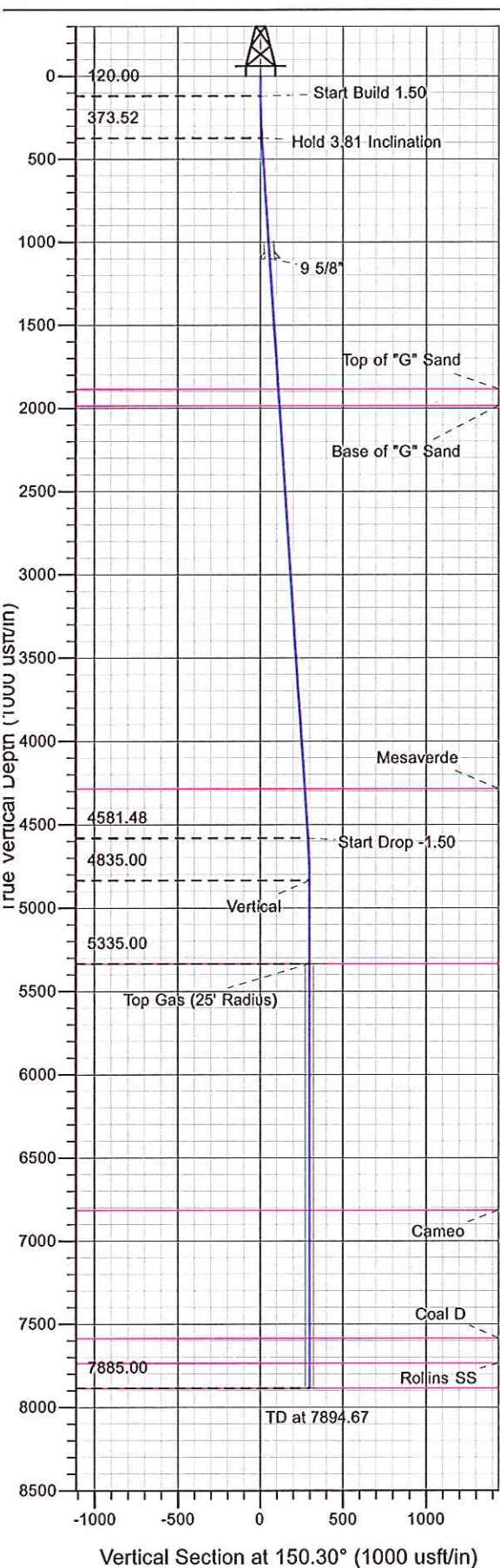




514-29
Surface Location: RWF 14-29 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5419.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1612451.20 2317498.20 39.49001 -107.91858 A11
KELLY BUSHING @ 5445.00usft (SSD 576)



Project: RU 29-06S-094W
Site: RWF 14-29 Pad
Well: RWF 514-29
Design #1 15Jun11 kjs

M 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	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 1.50	
373.71	3.81	150.30	373.52	-7.32	4.17	8.42	8.42	Hold 3.81 Inclination	
4590.96	3.81	150.30	4581.48	-250.46	142.84	288.33	288.33	Start Drop -1.50	
4844.67	0.00	0.00	4835.00	-257.78	147.01	296.75	296.75	Vertical	
5344.67	0.00	0.00	5335.00	-257.78	147.01	296.75	296.75	Top Gas	
7894.67	0.00	0.00	7885.00	-257.78	147.01	296.75	296.75	TD at 7894.67	



PICEANCE VLY NAD 83

RU 29-06S-094W

RWF 14-29 Pad

RWF 514-29 - Slot A11

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 514-29 - Slot A11
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 514-29	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 514-29 - Slot A11			
Well Position	+N/-S	0.00 usft	Northing:	1,612,451.20 usft
	+E/-W	0.00 usft	Easting:	2,317,498.20 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	150.30

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	
373.71	3.81	150.30	373.52	-7.32	4.17	1.50	1.50	0.00	150.30	
4,590.96	3.81	150.30	4,581.48	-250.46	142.84	0.00	0.00	0.00	0.00	
4,844.67	0.00	0.00	4,835.00	-257.78	147.01	1.50	-1.50	0.00	180.00	
5,344.67	0.00	0.00	5,335.00	-257.78	147.01	0.00	0.00	0.00	0.00	Top Gas (25' Radius)
7,894.67	0.00	0.00	7,885.00	-257.78	147.01	0.00	0.00	0.00	0.00	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 514-29 - Slot A11
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 514-29	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	1,612,451.20	2,317,498.20	39.49001	-107.91858
120.00	0.00	0.00	120.00	0.00	0.00	1,612,451.20	2,317,498.20	39.49001	-107.91858
Start Build 1.50									
373.71	3.81	150.30	373.52	-7.32	4.17	1,612,443.77	2,317,502.18	39.48999	-107.91857
Hold 3.81 Inclination									
1,101.79	3.81	150.30	1,100.00	-49.29	28.11	1,612,401.17	2,317,524.99	39.48988	-107.91848
9 5/8"									
1,888.53	3.81	150.30	1,885.00	-94.65	53.98	1,612,355.14	2,317,549.64	39.48975	-107.91839
Top of "G" Sand									
1,988.75	3.81	150.30	1,985.00	-100.43	57.28	1,612,349.28	2,317,552.79	39.48974	-107.91838
Base of "G" Sand									
4,293.83	3.81	150.30	4,285.00	-233.33	133.07	1,612,214.41	2,317,625.01	39.48937	-107.91811
Mesaverde									
4,590.96	3.81	150.30	4,581.48	-250.46	142.84	1,612,197.02	2,317,634.33	39.48932	-107.91808
Start Drop -1.50									
4,844.67	0.00	0.00	4,835.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806
Vertical									
5,344.67	0.00	0.00	5,335.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806
Top Gas - Approx. Top Gas									
6,824.67	0.00	0.00	6,815.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806
Cameo									
7,594.67	0.00	0.00	7,585.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806
Coal D									
7,744.67	0.00	0.00	7,735.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806
Rollins SS									
7,894.67	0.00	0.00	7,885.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806
TD at 7894.67 - 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	5,335.00	-257.78	147.01	1,612,189.60	2,317,638.30	39.48930	-107.91806

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,101.79	1,100.00	9 5/8"	9.625	14.750	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 514-29 - Slot A11
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 514-29	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 (°)	
1,888.53	1,885.00	Top of "G" Sand				
1,988.75	1,985.00	Base of "G" Sand				
4,293.83	4,285.00	Mesaverde				
5,344.67	5,335.00	Approx. Top Gas				
6,824.67	6,815.00	Cameo				
7,594.67	7,585.00	Coal D				
7,744.67	7,735.00	Rollins SS				
7,894.67	7,885.00	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 1.50	
373.71	373.52	-7.32	4.17	Hold 3.81 Inclination	
4,590.96	4,581.48	-250.46	142.84	Start Drop -1.50	
4,844.67	4,835.00	-257.78	147.01	Vertical	
5,344.67	5,335.00	-257.78	147.01	Top Gas	
7,894.67	7,885.00	-257.78	147.01	TD at 7894.67	