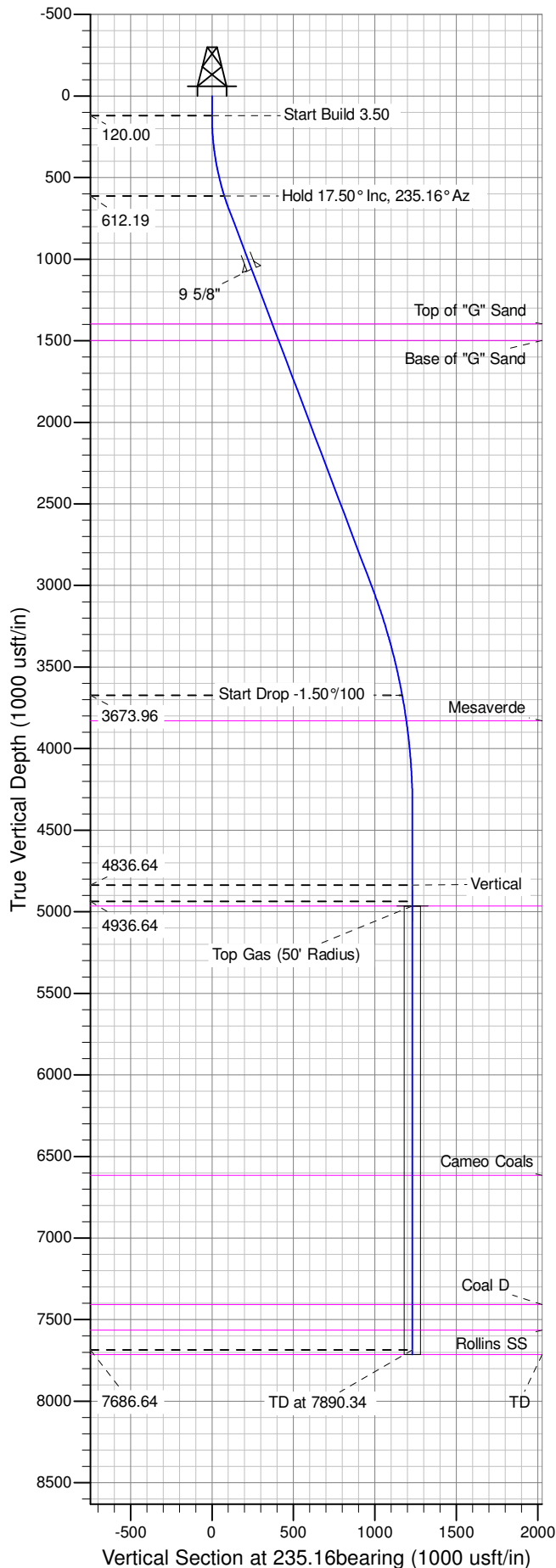
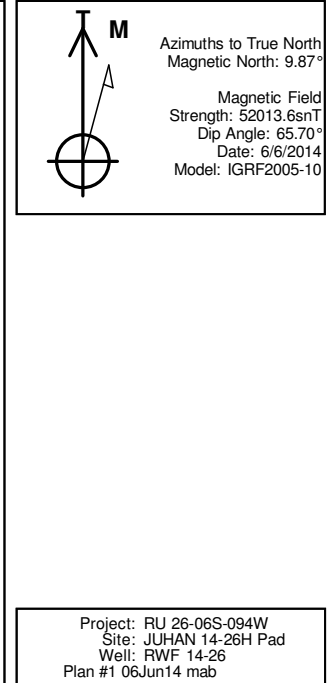
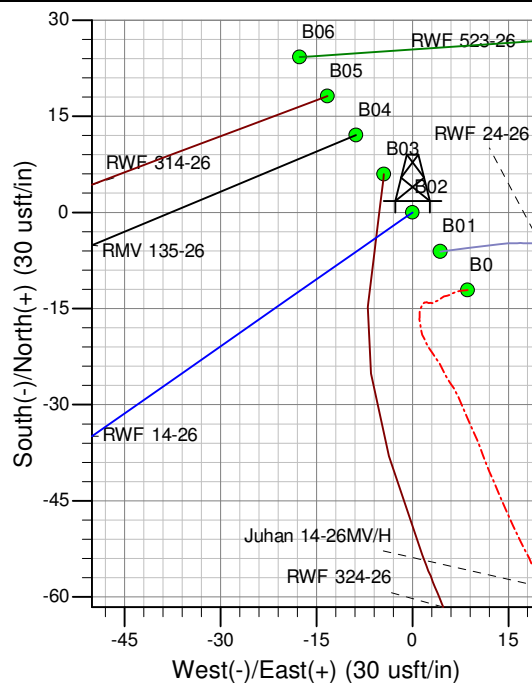
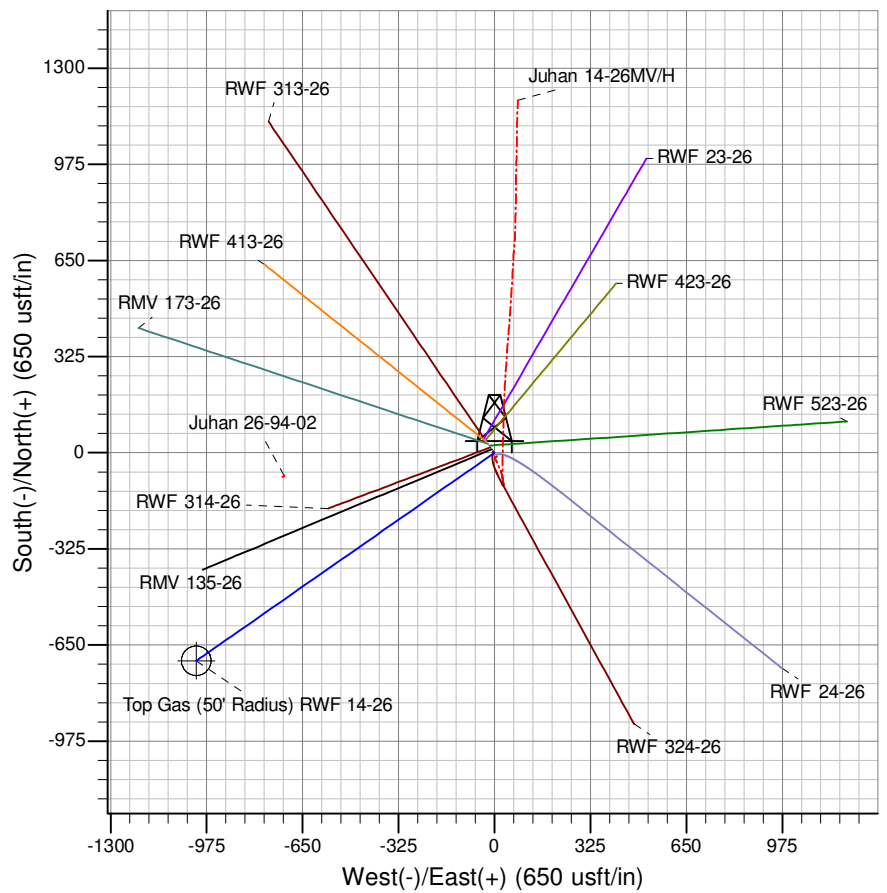




Well Name: RWF 14-26  
Surface Location: JUHAN 14-26H Pad  
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
Ground Elevation: 5350.00  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 1612772.80000 2334161.10000 39.49210 -107.85959 B02  
KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
120.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.50	
612.19	619.93	17.50	235.16	-43.27	-62.17	75.74	76.21	Hold 17.50° Inc, 235.16° Az	
3673.96	3873.84	10.41	235.16	-667.20	-958.64	1167.97	1167.72	Start Drop -1.50%/100	
4836.64	5040.34	0.00	0.00	-703.10	-1010.22	1230.81	1230.81	Vertical	
4936.64	5140.34	0.00	0.00	-703.10	-1010.22	1230.81	1230.81	Top Gas	
7686.64	7890.34	0.00	0.00	-703.10	-1010.22	1230.81	1230.81	TD at 7890.34	



# **PICEANCE VLY NAD 83**

**RU 26-06S-094W**

**JUHAN 14-26H Pad**

**RWF 14-26 - Slot B02**

**Wellbore #1**

**Plan: Plan #1 06Jun14 mab**

## **Standard Planning Report - Geographic**

**15 August, 2014**

**WPX**  
Planning Report - Geographic

<b>Database:</b>	COMPASS-PICEANCE	<b>Local Co-ordinate Reference:</b>	Well RWF 14-26 - Slot B02
<b>Company:</b>	PICEANCE VLY NAD 83	<b>TVD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Project:</b>	RU 26-06S-094W	<b>MD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Site:</b>	JUHAN 14-26H Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 14-26	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 06Jun14 mab		

<b>Project</b>	RU 26-06S-094W		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		Using geodetic scale factor

<b>Site</b>	JUHAN 14-26H Pad		
<b>Site Position:</b>		<b>Northing:</b>	1,612,760.48182 usft
<b>From:</b>	Map	<b>Easting:</b>	2,334,169.39807 usft
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.200 in
		<b>Latitude:</b>	39.49206
		<b>Longitude:</b>	-107.85956
		<b>Grid Convergence:</b>	-1.49 °

<b>Well</b>	RWF 14-26 - Slot B02		
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b> 1,612,772.80000 usft
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b> 2,334,161.10000 usft
<b>Position Uncertainty</b>	0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft
		<b>Latitude:</b>	39.49210
		<b>Longitude:</b>	-107.85959
		<b>Ground Level:</b>	5,350.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	6/6/2014	9.87	65.70	52,014

<b>Design</b>	Plan #1 06Jun14 mab				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (bearing)</b>	
	0.00	0.00	0.00	235.16	

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	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	
713.73	20.78	235.16	700.80	-60.83	-87.41	3.50	3.50	0.00	235.16	
3,182.33	20.78	235.16	3,008.81	-561.15	-806.27	0.00	0.00	0.00	0.00	
4,567.70	0.00	0.00	4,364.00	-703.10	-1,010.22	1.50	-1.50	0.00	180.00	
5,167.70	0.00	0.00	4,964.00	-703.10	-1,010.22	0.00	0.00	0.00	0.00	Top Gas (50' Radius)
7,917.70	0.00	0.00	7,714.00	-703.10	-1,010.22	0.00	0.00	0.00	0.00	

**WPX**  
Planning Report - Geographic

<b>Database:</b>	COMPASS-PICEANCE	<b>Local Co-ordinate Reference:</b>	Well RWF 14-26 - Slot B02
<b>Company:</b>	PICEANCE VLY NAD 83	<b>TVD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Project:</b>	RU 26-06S-094W	<b>MD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Site:</b>	JUHAN 14-26H Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 14-26	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 06Jun14 mab		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	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	1,612,772.80000	2,334,161.10000	39.49210	-107.85959	
120.00	0.00	0.00	120.00	0.00	0.00	1,612,772.80000	2,334,161.10000	39.49210	-107.85959	
Start Build 3.50										
200.00	2.80	235.16	199.97	-1.12	-1.60	1,612,771.72564	2,334,159.46750	39.49210	-107.85960	
400.00	9.80	235.16	398.64	-13.65	-19.61	1,612,759.66856	2,334,141.14665	39.49206	-107.85966	
600.00	16.80	235.16	593.15	-39.91	-57.35	1,612,734.39180	2,334,102.73838	39.49199	-107.85979	
619.93	17.50	235.16	612.19	-43.27	-62.17	1,612,731.16204	2,334,097.83073	39.49198	-107.85981	
Hold 17.50° Inc, 235.16° Az										
713.73	20.78	235.16	700.80	-60.83	-87.41	1,612,714.25818	2,334,072.14516	39.49193	-107.85990	
800.00	20.78	235.16	781.46	-78.32	-112.53	1,612,697.43245	2,334,046.57831	39.49188	-107.85999	
1,000.00	20.78	235.16	968.45	-118.85	-170.77	1,612,658.42566	2,333,987.30712	39.49177	-107.86020	
1,100.00	20.78	235.16	1,061.94	-139.12	-199.89	1,612,638.92226	2,333,957.67153	39.49172	-107.86030	
9 5/8"										
1,200.00	20.78	235.16	1,155.43	-159.39	-229.01	1,612,619.41887	2,333,928.03594	39.49166	-107.86040	
1,400.00	20.78	235.16	1,342.42	-199.92	-287.25	1,612,580.41207	2,333,868.76476	39.49155	-107.86061	
1,459.44	20.78	235.16	1,398.00	-211.97	-304.56	1,612,568.81870	2,333,851.14851	39.49152	-107.86067	
Top of "G" Sand										
1,566.40	20.78	235.16	1,498.00	-233.65	-335.71	1,612,547.95825	2,333,819.45087	39.49146	-107.86078	
Base of "G" Sand										
1,600.00	20.78	235.16	1,529.41	-240.46	-345.49	1,612,541.40528	2,333,809.49358	39.49144	-107.86081	
1,800.00	20.78	235.16	1,716.40	-280.99	-403.73	1,612,502.39849	2,333,750.22239	39.49133	-107.86102	
2,000.00	20.78	235.16	1,903.39	-321.53	-461.97	1,612,463.39171	2,333,690.95122	39.49122	-107.86123	
2,200.00	20.78	235.16	2,090.38	-362.06	-520.21	1,612,424.38492	2,333,631.68004	39.49110	-107.86143	
2,400.00	20.78	235.16	2,277.37	-402.60	-578.45	1,612,385.37813	2,333,572.40886	39.49099	-107.86164	
2,600.00	20.78	235.16	2,464.36	-443.13	-636.70	1,612,346.37134	2,333,513.13767	39.49088	-107.86185	
2,800.00	20.78	235.16	2,651.35	-483.67	-694.94	1,612,307.36455	2,333,453.86649	39.49077	-107.86205	
3,000.00	20.78	235.16	2,838.34	-524.20	-753.18	1,612,268.35775	2,333,394.59531	39.49066	-107.86226	
3,182.33	20.78	235.16	3,008.81	-561.15	-806.27	1,612,232.79758	2,333,340.56129	39.49056	-107.86245	
3,200.00	20.52	235.16	3,025.34	-564.71	-811.39	1,612,229.37199	2,333,335.35607	39.49055	-107.86247	
3,400.00	17.52	235.16	3,214.41	-601.93	-864.86	1,612,193.55393	2,333,280.93021	39.49045	-107.86266	
3,600.00	14.52	235.16	3,406.62	-633.45	-910.15	1,612,163.22435	2,333,234.84413	39.49036	-107.86282	
3,800.00	11.52	235.16	3,601.46	-659.18	-947.12	1,612,138.46637	2,333,197.22416	39.49029	-107.86295	
3,873.84	10.41	235.16	3,673.96	-667.20	-958.64	1,612,130.74760	2,333,185.49541	39.49027	-107.86299	
Start Drop -1.50°/100										
4,000.00	8.52	235.16	3,798.39	-679.05	-975.66	1,612,119.34787	2,333,168.17341	39.49023	-107.86305	
4,031.94	8.04	235.16	3,830.00	-681.67	-979.43	1,612,116.82047	2,333,164.33301	39.49023	-107.86306	
Mesaverde										
4,200.00	5.52	235.16	3,996.87	-693.00	-995.71	1,612,105.92124	2,333,147.77152	39.49020	-107.86312	
4,400.00	2.52	235.16	4,196.36	-701.00	-1,007.20	1,612,098.22327	2,333,136.07439	39.49017	-107.86316	
4,567.70	0.00	0.00	4,364.00	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
4,600.00	0.00	0.00	4,396.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
4,800.00	0.00	0.00	4,596.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
5,000.00	0.00	0.00	4,796.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
5,040.34	0.00	0.00	4,836.64	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
Vertical										
5,140.34	0.00	0.00	4,936.64	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
Top Gas										
5,167.70	0.00	0.00	4,964.00	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
Approx. Top Gas										
5,200.00	0.00	0.00	4,996.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	
5,400.00	0.00	0.00	5,196.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317	

**WPX**  
Planning Report - Geographic

<b>Database:</b>	COMPASS-PICEANCE	<b>Local Co-ordinate Reference:</b>	Well RWF 14-26 - Slot B02
<b>Company:</b>	PICEANCE VLY NAD 83	<b>TVD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Project:</b>	RU 26-06S-094W	<b>MD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Site:</b>	JUHAN 14-26H Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 14-26	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 06Jun14 mab		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,600.00	0.00	0.00	5,396.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
5,800.00	0.00	0.00	5,596.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
6,000.00	0.00	0.00	5,796.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
6,200.00	0.00	0.00	5,996.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
6,400.00	0.00	0.00	6,196.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
6,600.00	0.00	0.00	6,396.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
6,800.00	0.00	0.00	6,596.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
6,819.70	0.00	0.00	6,616.00	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
Cameo Coals									
7,000.00	0.00	0.00	6,796.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
7,200.00	0.00	0.00	6,996.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
7,400.00	0.00	0.00	7,196.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
7,600.00	0.00	0.00	7,396.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
7,610.70	0.00	0.00	7,407.00	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
Coal D									
7,767.70	0.00	0.00	7,564.00	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
Rollins SS									
7,800.00	0.00	0.00	7,596.30	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
7,890.34	0.00	0.00	7,686.64	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
TD at 7890.34									
7,917.70	0.00	0.00	7,714.00	-703.10	-1,010.22	1,612,096.20001	2,333,133.00000	39.49017	-107.86317
TD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Top Gas (50' Radius) RV	0.00	0.00	4,964.00	-703.10	-1,010.22	1,612,096.20000	2,333,133.00000	39.49017	-107.86317
- plan hits target center									
- Circle (radius 50.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,100.00	1,061.94	9 5/8"	9.625	13.500	

**WPX**  
Planning Report - Geographic

<b>Database:</b>	COMPASS-PICEANCE	<b>Local Co-ordinate Reference:</b>	Well RWF 14-26 - Slot B02
<b>Company:</b>	PICEANCE VLY NAD 83	<b>TVD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Project:</b>	RU 26-06S-094W	<b>MD Reference:</b>	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
<b>Site:</b>	JUHAN 14-26H Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 14-26	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 06Jun14 mab		

Formations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)
	1,459.44	1,398.00	Top of "G" Sand			
	1,566.40	1,498.00	Base of "G" Sand			
	4,031.94	3,830.00	Mesaverde			
	5,167.70	4,964.00	Approx. Top Gas			
	6,819.70	6,616.00	Cameo Coals			
	7,610.70	7,407.00	Coal D			
	7,767.70	7,564.00	Rollins SS			
	7,917.70	7,714.00	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 3.50
	619.93	612.19	-43.27	-62.17	Hold 17.50° Inc, 235.16° Az
	3,873.84	3,673.96	-667.20	-958.64	Start Drop -1.50°/100
	5,040.34	4,836.64	-703.10	-1,010.22	Vertical
	5,140.34	4,936.64	-703.10	-1,010.22	Top Gas
	7,890.34	7,686.64	-703.10	-1,010.22	TD at 7890.34