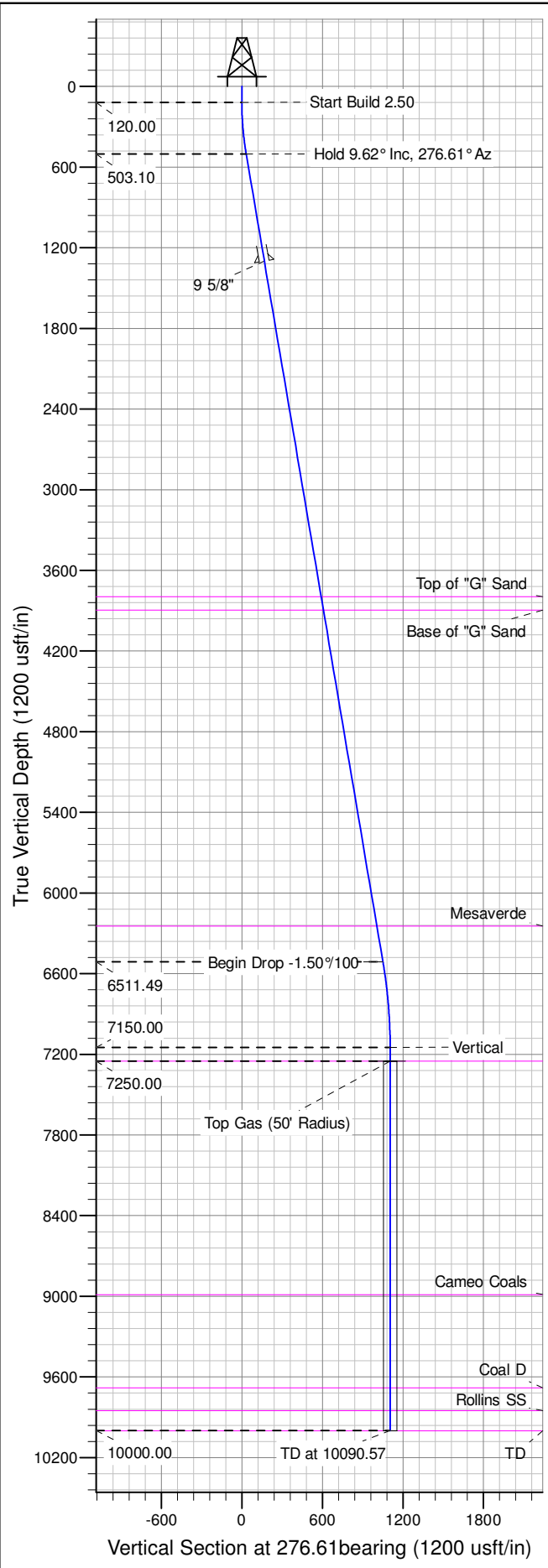
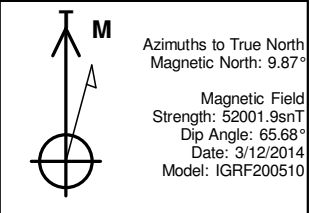
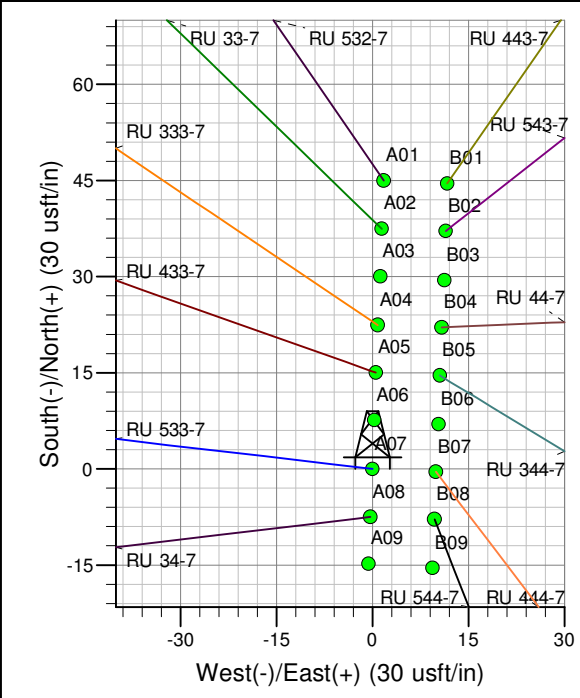
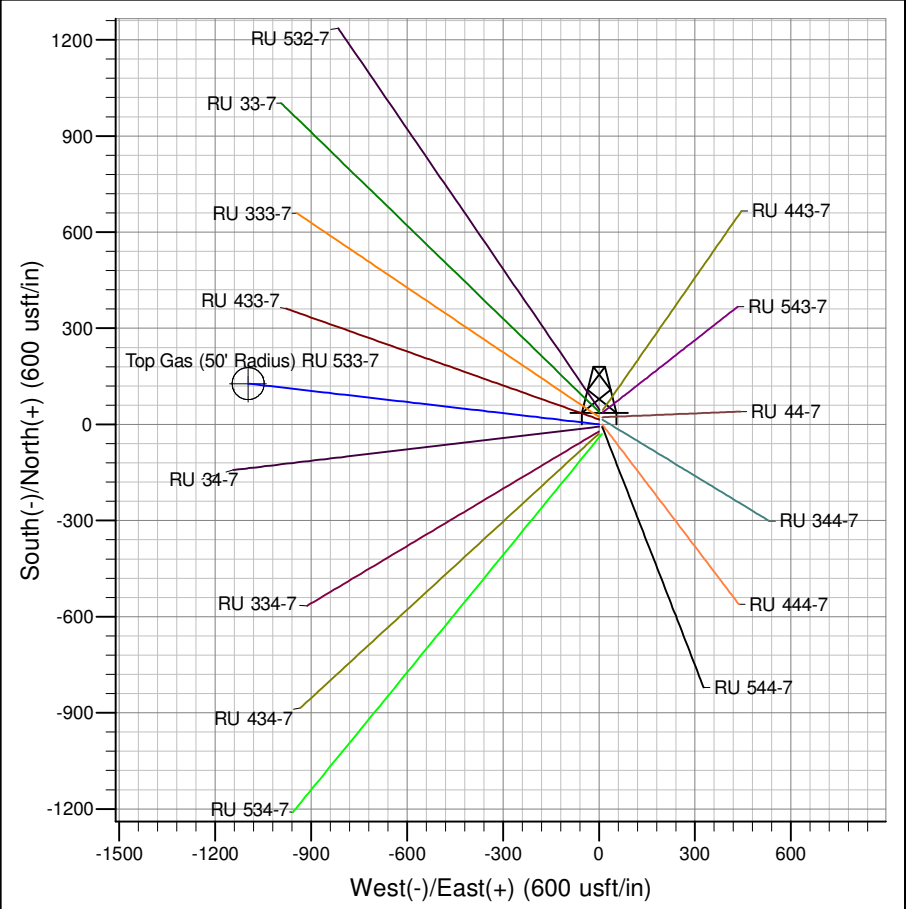




Well Name: RU 533-7
Surface Location: RU 44-7 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 7917.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1598831.30000 2347567.40000 39.45478 -107.81084 A07
KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)



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 2.50	
503.10	504.91	9.62	276.61	3.71	-32.03	32.25	32.25	Hold 9.62° Inc, 276.61° Az	
6511.49	6599.05	9.62	276.61	121.05	-1043.95	1050.95	1050.95	Begin Drop -1.50°/100'	
7150.00	7240.57	0.00	0.00	127.24	-1097.34	1104.69	1104.69	Vertical	
7250.00	7340.57	0.00	0.00	127.24	-1097.34	1104.69	1104.69	Top Gas	
10000.00	10090.57	0.00	0.00	127.24	-1097.34	1104.69	1104.69	TD at 10090.57	



Azimuths to True North
Magnetic North: 9.87°
Magnetic Field
Strength: 52001.9snT
Dip Angle: 65.68°
Date: 3/12/2014
Model: IGRF200510
Project: RU 07-07S-093W
Site: RU 44-7 Pad
Well: RU 533-7
Design #2 28May14 mab

PICEANCE VLY NAD 83

RU 07-07S-093W

RU 44-7 Pad

RU 533-7 - Slot A07

Wellbore #1

Plan: Design #2 28May14 mab

Standard Planning Report - Geographic

12 June, 2014

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-7 - Slot A07
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Project:	RU 07-07S-093W	MD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Site:	RU 44-7 Pad	North Reference:	True
Well:	RU 533-7	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 28May14 mab		

Project	RU 07-07S-093W, Garfield County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		Using geodetic scale factor

Site	RU 44-7 Pad			
Site Position:		Northing:	1,598,795.70000 usft	Latitude: 39.45468
From: Map		Easting:	2,347,575.10000 usft	Longitude: -107.81082
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence: -1.46 °

Well	RU 533-7 - Slot A07			
Well Position	+N/-S	0.00 usft	Northing:	1,598,831.30000 usft
	+E/-W	0.00 usft	Easting:	2,347,567.40000 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft
			Ground Level:	7,917.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	3/12/2014	9.87	65.68	52,002

Design	Design #2 28May14 mab			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (bearing)
	0.00	0.00	0.00	276.61

Plan Sections										
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	
504.91	9.62	276.61	503.10	3.71	-32.03	2.50	2.50	0.00	276.61	
6,599.05	9.62	276.61	6,511.49	121.05	-1,043.95	0.00	0.00	0.00	0.00	
7,240.57	0.00	0.00	7,150.00	127.24	-1,097.34	1.50	-1.50	0.00	180.00	
7,340.57	0.00	0.00	7,250.00	127.24	-1,097.34	0.00	0.00	0.00	0.00	Top Gas (50' Radius)
10,090.57	0.00	0.00	10,000.00	127.24	-1,097.34	0.00	0.00	0.00	0.00	

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-7 - Slot A07
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Project:	RU 07-07S-093W	MD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Site:	RU 44-7 Pad	North Reference:	True
Well:	RU 533-7	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 28May14 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	1,598,831.30000	2,347,567.40000	39.45478	-107.81085	
120.00	0.00	0.00	120.00	0.00	0.00	1,598,831.30000	2,347,567.40000	39.45478	-107.81085	
Start Build 2.50										
200.00	2.00	276.61	199.98	0.16	-1.39	1,598,831.49602	2,347,566.01778	39.45478	-107.81085	
400.00	7.00	276.61	399.30	1.97	-16.97	1,598,833.69847	2,347,550.48703	39.45479	-107.81091	
504.91	9.62	276.61	503.10	3.71	-32.03	1,598,835.82750	2,347,535.47398	39.45479	-107.81096	
Hold 9.62° Inc, 276.61° Az										
600.00	9.62	276.61	596.86	5.54	-47.82	1,598,838.05919	2,347,519.73707	39.45480	-107.81102	
800.00	9.62	276.61	794.04	9.40	-81.03	1,598,842.75310	2,347,486.63757	39.45481	-107.81113	
1,000.00	9.62	276.61	991.23	13.25	-114.24	1,598,847.44701	2,347,453.53808	39.45482	-107.81125	
1,200.00	9.62	276.61	1,188.41	17.10	-147.45	1,598,852.14092	2,347,420.43858	39.45483	-107.81137	
1,313.18	9.62	276.61	1,300.00	19.28	-166.24	1,598,854.79720	2,347,401.70764	39.45483	-107.81143	
9 5/8"										
1,400.00	9.62	276.61	1,385.60	20.95	-180.66	1,598,856.83483	2,347,387.33908	39.45484	-107.81149	
1,600.00	9.62	276.61	1,582.78	24.80	-213.87	1,598,861.52875	2,347,354.23959	39.45485	-107.81160	
1,800.00	9.62	276.61	1,779.97	28.65	-247.08	1,598,866.22266	2,347,321.14009	39.45486	-107.81172	
2,000.00	9.62	276.61	1,977.16	32.50	-280.29	1,598,870.91657	2,347,288.04059	39.45487	-107.81184	
2,200.00	9.62	276.61	2,174.34	36.35	-313.50	1,598,875.61048	2,347,254.94110	39.45488	-107.81196	
2,400.00	9.62	276.61	2,371.53	40.20	-346.71	1,598,880.30440	2,347,221.84160	39.45489	-107.81207	
2,600.00	9.62	276.61	2,568.71	44.05	-379.92	1,598,884.99831	2,347,188.74211	39.45490	-107.81219	
2,800.00	9.62	276.61	2,765.90	47.90	-413.13	1,598,889.69222	2,347,155.64261	39.45491	-107.81231	
3,000.00	9.62	276.61	2,963.09	51.75	-446.34	1,598,894.38613	2,347,122.54312	39.45492	-107.81243	
3,200.00	9.62	276.61	3,160.27	55.60	-479.55	1,598,899.08005	2,347,089.44362	39.45493	-107.81254	
3,400.00	9.62	276.61	3,357.46	59.45	-512.76	1,598,903.77396	2,347,056.34412	39.45494	-107.81266	
3,600.00	9.62	276.61	3,554.64	63.31	-545.97	1,598,908.46787	2,347,023.24463	39.45495	-107.81278	
3,800.00	9.62	276.61	3,751.83	67.16	-579.18	1,598,913.16178	2,346,990.14513	39.45497	-107.81290	
3,843.79	9.62	276.61	3,795.00	68.00	-586.45	1,598,914.18943	2,346,982.89863	39.45497	-107.81292	
Top of "G" Sand										
3,945.21	9.62	276.61	3,895.00	69.95	-603.29	1,598,916.56988	2,346,966.11270	39.45497	-107.81298	
Base of "G" Sand										
4,000.00	9.62	276.61	3,949.02	71.01	-612.39	1,598,917.85570	2,346,957.04563	39.45498	-107.81301	
4,200.00	9.62	276.61	4,146.20	74.86	-645.60	1,598,922.54961	2,346,923.94613	39.45499	-107.81313	
4,400.00	9.62	276.61	4,343.39	78.71	-678.81	1,598,927.24352	2,346,890.84664	39.45500	-107.81325	
4,600.00	9.62	276.61	4,540.57	82.56	-712.02	1,598,931.93743	2,346,857.74714	39.45501	-107.81337	
4,800.00	9.62	276.61	4,737.76	86.41	-745.22	1,598,936.63135	2,346,824.64764	39.45502	-107.81349	
5,000.00	9.62	276.61	4,934.95	90.26	-778.43	1,598,941.32526	2,346,791.54816	39.45503	-107.81360	
5,200.00	9.62	276.61	5,132.13	94.11	-811.64	1,598,946.01917	2,346,758.44866	39.45504	-107.81372	
5,400.00	9.62	276.61	5,329.32	97.96	-844.85	1,598,950.71308	2,346,725.34916	39.45505	-107.81384	
5,600.00	9.62	276.61	5,526.50	101.81	-878.06	1,598,955.40700	2,346,692.24967	39.45506	-107.81396	
5,800.00	9.62	276.61	5,723.69	105.66	-911.27	1,598,960.10091	2,346,659.15017	39.45507	-107.81407	
6,000.00	9.62	276.61	5,920.88	109.51	-944.48	1,598,964.79482	2,346,626.05067	39.45508	-107.81419	
6,200.00	9.62	276.61	6,118.06	113.36	-977.69	1,598,969.48873	2,346,592.95117	39.45509	-107.81431	
6,329.76	9.62	276.61	6,246.00	115.86	-999.24	1,598,972.53426	2,346,571.47543	39.45510	-107.81438	
Mesaverde										
6,400.00	9.62	276.61	6,315.25	117.22	-1,010.90	1,598,974.18264	2,346,559.85168	39.45510	-107.81443	
6,599.05	9.62	276.61	6,511.49	121.05	-1,043.95	1,598,978.85417	2,346,526.91003	39.45511	-107.81454	
Begin Drop -1.50°/100										
6,600.00	9.61	276.61	6,512.43	121.07	-1,044.11	1,598,978.87654	2,346,526.75230	39.45511	-107.81454	
6,800.00	6.61	276.61	6,710.41	124.32	-1,072.13	1,598,982.83674	2,346,498.82664	39.45512	-107.81464	
7,000.00	3.61	276.61	6,909.59	126.37	-1,089.82	1,598,985.33676	2,346,481.19752	39.45513	-107.81471	
7,200.00	0.61	276.61	7,109.44	127.21	-1,097.13	1,598,986.36976	2,346,473.91325	39.45513	-107.81473	

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-7 - Slot A07
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Project:	RU 07-07S-093W	MD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Site:	RU 44-7 Pad	North Reference:	True
Well:	RU 533-7	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 28May14 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
7,240.57	0.00	0.00	7,150.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
Vertical									
7,340.57	0.00	0.00	7,250.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
Top Gas - Approx. Top Gas									
7,400.00	0.00	0.00	7,309.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
7,600.00	0.00	0.00	7,509.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
7,800.00	0.00	0.00	7,709.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
8,000.00	0.00	0.00	7,909.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
8,200.00	0.00	0.00	8,109.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
8,400.00	0.00	0.00	8,309.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
8,600.00	0.00	0.00	8,509.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
8,800.00	0.00	0.00	8,709.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
9,000.00	0.00	0.00	8,909.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
9,078.57	0.00	0.00	8,988.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
Cameo Coals									
9,200.00	0.00	0.00	9,109.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
9,400.00	0.00	0.00	9,309.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
9,600.00	0.00	0.00	9,509.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
9,770.57	0.00	0.00	9,680.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
Coal D									
9,800.00	0.00	0.00	9,709.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
9,940.57	0.00	0.00	9,850.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
Rollins SS									
10,000.00	0.00	0.00	9,909.43	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
10,090.57	0.00	0.00	10,000.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
TD at 10090.57									

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) RL	0.00	0.00	7,250.00	127.24	-1,097.34	1,598,986.40000	2,346,473.70000	39.45513	-107.81473
- plan hits target center									
- Circle (radius 50.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,313.18	1,300.00	9 5/8"	9.625	13.500	

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-7 - Slot A07
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Project:	RU 07-07S-093W	MD Reference:	KELLY BUSHING @ 7943.00usft (Nabors 576 (26' RKB) kjs)
Site:	RU 44-7 Pad	North Reference:	True
Well:	RU 533-7	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2 28May14 mab		

Formations						
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)
	3,843.79	3,795.00	Top of "G" Sand			
	3,945.21	3,895.00	Base of "G" Sand			
	6,329.76	6,246.00	Mesaverde			
	7,340.57	7,250.00	Approx. Top Gas			
	9,078.57	8,988.00	Cameo Coals			
	9,770.57	9,680.00	Coal D			
	9,940.57	9,850.00	Rollins SS			
	10,090.57	10,000.00	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 2.50
	504.91	503.10	3.71	-32.03	Hold 9.62° Inc, 276.61° Az
	6,599.05	6,511.49	121.05	-1,043.95	Begin Drop -1.50°/100
	7,240.57	7,150.00	127.24	-1,097.34	Vertical
	7,340.57	7,250.00	127.24	-1,097.34	Top Gas
	10,090.57	10,000.00	127.24	-1,097.34	TD at 10090.57