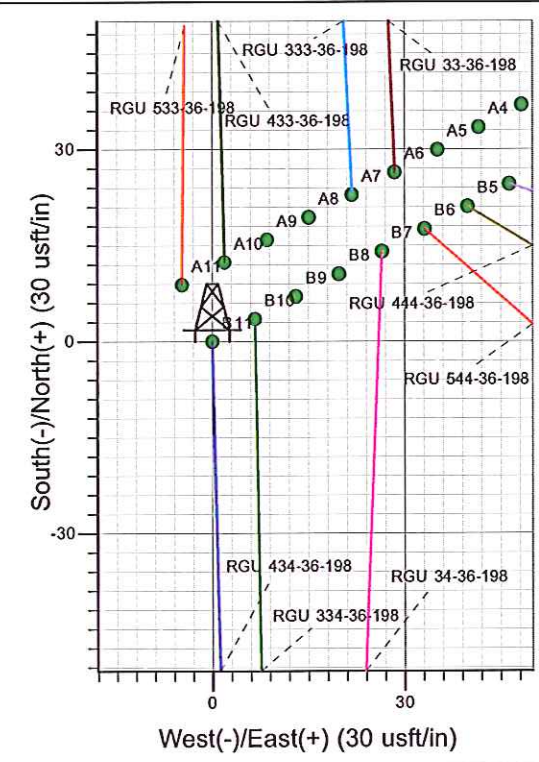
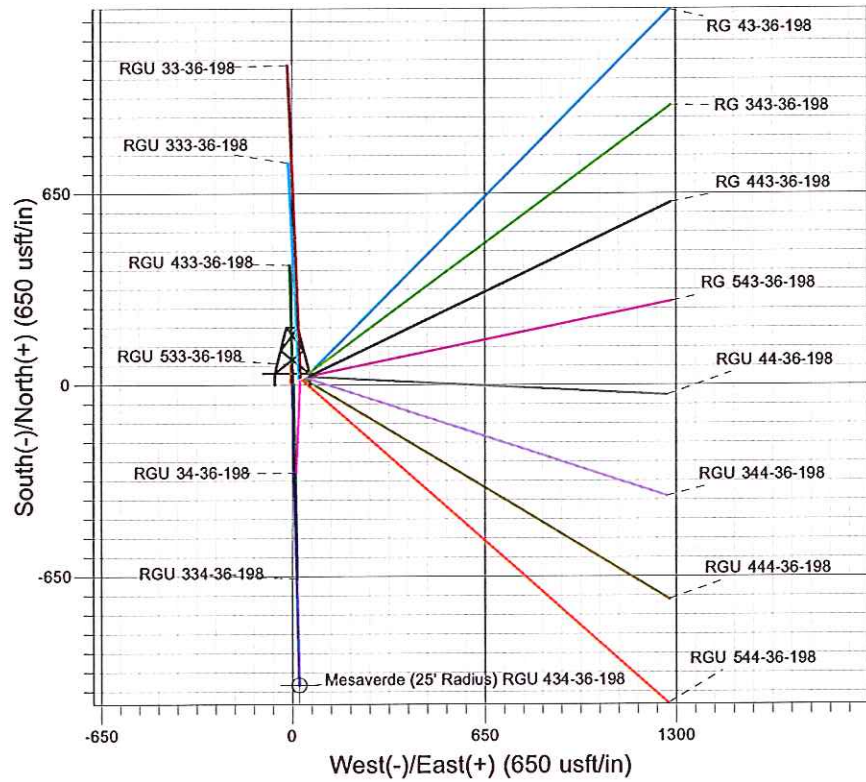
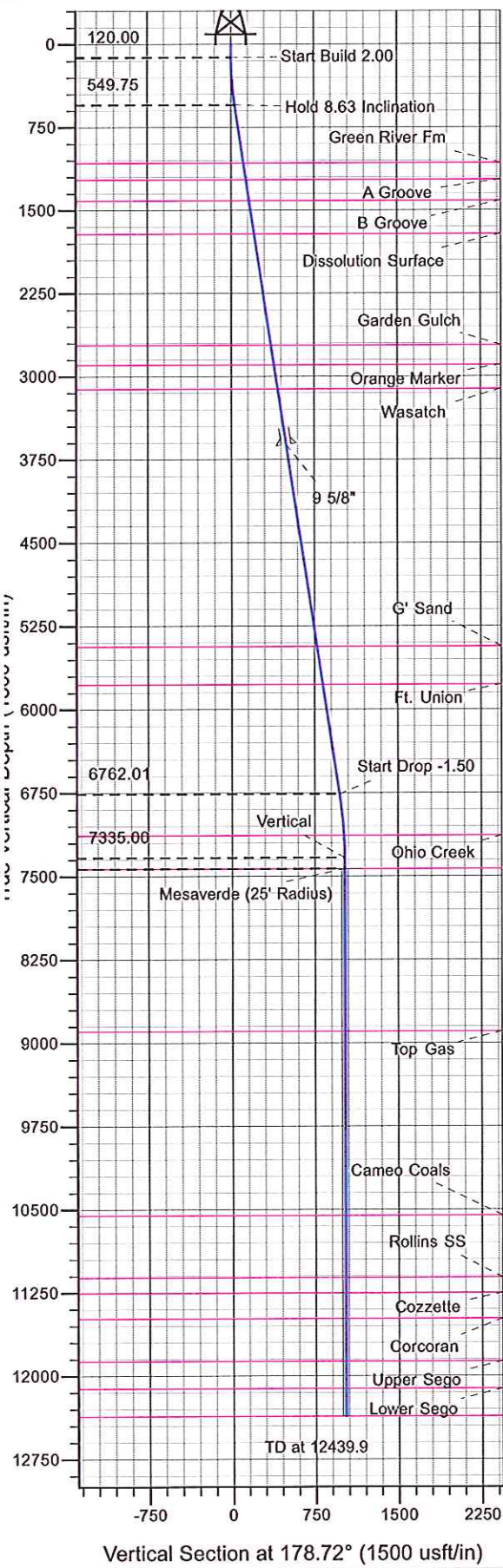




RGU 434-36-198
Surface Location: RGU 33-36-198 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6574.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1771023.40 2203485.00 39° 54' 57.938 N 108° 20' 23.734 W B 11
WELL @ 6595.00usft (Original Well Elev)



Project: RG 36-01S-098W
Site: RGU 33-36-198 Pad
Well: RGU 434-36-198
Design #1 18Oct11 kjs

Compass Rose:
T: True North
M: Magnetic North
Azimuths to True North
Magnetic North: 10.49°
Magnetic Field
Strength: 52428.5snT
Dip Angle: 66.02°
Date: 10/18/2011
Model: IGRF2005-10

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 2.00	
551.37	8.63	178.72	549.75	-32.41	0.72	32.42	32.42	Hold 8.63 Inclination	
6834.73	8.63	178.72	6762.01	-974.74	21.76	974.98	974.98	Start Drop -1.50	
7409.90	0.00	0.00	7335.00	-1017.95	22.73	1018.20	1018.20	Vertical	
7509.90	0.00	0.00	7435.00	-1017.95	22.73	1018.20	1018.20	Mesaverde	
12439.90	0.00	0.00	12365.00	-1017.95	22.73	1018.20	1018.20	TD at 12439.90	



PICEANCE HL NAD 83

RG 36-01S-098W

RGU 33-36-198 Pad

RGU 434-36-198 - Slot B11

Wellbore #1

Plan: Design #1 18Oct11 kjs

Standard Planning Report - Geographic

05 March, 2012



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RGU 434-36-198 - Slot B11
Company:	PICEANCE HL NAD 83	TVD Reference:	WELL @ 6595.00usft (Original Well Elev)
Project:	RG 36-01S-098W	MD Reference:	WELL @ 6595.00usft (Original Well Elev)
Site:	RGU 33-36-198 Pad	North Reference:	True
Well:	RGU 434-36-198	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 18Oct11 kjs		

Project	RG 36-01S-098W, Rio Blanco County, CO, RG 36-01S-098W		
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	RGU 33-36-198 Pad		
Site Position:		Northing:	1,771,032.40 usft
From:	Map	Easting:	2,203,480.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	39° 54' 58.026 N
		Longitude:	108° 20' 23.794 W
		Grid Convergence:	-1.791 °

Well	RGU 434-36-198 - Slot B11		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	
		Latitude:	39° 54' 57.938 N
		Longitude:	108° 20' 23.734 W
		Ground Level:	6,574.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	10/18/2011	10.489	66.023	52,428

Design	Design #1 18Oct11 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	178.72

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	0.000	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.000	
551.37	8.63	178.72	549.75	-32.41	0.72	2.00	2.00	0.00	178.721	
6,834.73	8.63	178.72	6,762.01	-974.74	21.76	0.00	0.00	0.00	0.000	
7,409.90	0.00	0.00	7,335.00	-1,017.95	22.73	1.50	-1.50	0.00	180.000	
7,509.90	0.00	0.00	7,435.00	-1,017.95	22.73	0.00	0.00	0.00	0.000	Mesaverde (25' Radiu
12,439.90	0.00	0.00	12,365.00	-1,017.95	22.73	0.00	0.00	0.00	0.000	



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RGU 434-36-198 - Slot B11
Company:	PICEANCE HL NAD 83	TVD Reference:	WELL @ 6595.00usft (Original Well Elev)
Project:	RG 36-01S-098W	MD Reference:	WELL @ 6595.00usft (Original Well Elev)
Site:	RGU 33-36-198 Pad	North Reference:	True
Well:	RGU 434-36-198	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 18Oct11 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	1,771,023.40	2,203,485.00	39° 54' 57.938 N	108° 20' 23.734 W
120.00	0.00	0.00	120.00	0.00	0.00	1,771,023.40	2,203,485.00	39° 54' 57.938 N	108° 20' 23.734 W
Start Build 2.00									
551.37	8.63	178.72	549.75	-32.41	0.72	1,770,990.98	2,203,484.71	39° 54' 57.618 N	108° 20' 23.724 W
Hold 8.63 Inclination									
1,082.64	8.63	178.72	1,075.00	-112.08	2.50	1,770,911.29	2,203,484.00	39° 54' 56.831 N	108° 20' 23.701 W
Green River Fm									
1,234.36	8.63	178.72	1,225.00	-134.84	3.01	1,770,888.53	2,203,483.79	39° 54' 56.606 N	108° 20' 23.695 W
A Groove									
1,426.53	8.63	178.72	1,415.00	-163.66	3.65	1,770,859.70	2,203,483.54	39° 54' 56.321 N	108° 20' 23.687 W
B Groove									
1,729.96	8.63	178.72	1,715.00	-209.16	4.67	1,770,814.18	2,203,483.13	39° 54' 55.871 N	108° 20' 23.674 W
Dissolution Surface									
2,746.47	8.63	178.72	2,720.00	-361.61	8.07	1,770,661.70	2,203,481.77	39° 54' 54.365 N	108° 20' 23.630 W
Garden Gulch									
2,923.47	8.63	178.72	2,895.00	-388.16	8.67	1,770,635.15	2,203,481.53	39° 54' 54.102 N	108° 20' 23.622 W
Orange Marker									
3,145.99	8.63	178.72	3,115.00	-421.53	9.41	1,770,601.77	2,203,481.23	39° 54' 53.773 N	108° 20' 23.613 W
Wasatch									
3,651.71	8.63	178.72	3,615.00	-497.37	11.11	1,770,525.90	2,203,480.55	39° 54' 53.023 N	108° 20' 23.591 W
9 5/8"									
5,492.54	8.63	178.72	5,435.00	-773.45	17.27	1,770,249.76	2,203,478.08	39° 54' 50.295 N	108° 20' 23.512 W
G' Sand									
5,836.43	8.63	178.72	5,775.00	-825.02	18.42	1,770,198.18	2,203,477.62	39° 54' 49.785 N	108° 20' 23.497 W
Ft. Union									
6,834.73	8.63	178.72	6,762.01	-974.74	21.76	1,770,048.42	2,203,476.29	39° 54' 48.306 N	108° 20' 23.454 W
Start Drop -1.50									
7,209.81	3.00	178.72	7,135.00	-1,012.71	22.61	1,770,010.44	2,203,475.95	39° 54' 47.930 N	108° 20' 23.443 W
Ohio Creek									
7,409.90	0.00	0.00	7,335.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Vertical									
7,509.90	0.00	0.00	7,435.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Mesaverde - Mesaverde - Mesaverde (25' Radius) RGU 434-36-198									
8,969.90	0.00	0.00	8,895.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Top Gas									
10,629.90	0.00	0.00	10,555.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Cameo Coals									
11,189.90	0.00	0.00	11,115.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Rollins SS									
11,329.90	0.00	0.00	11,255.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Cozzette									
11,559.90	0.00	0.00	11,485.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Corcoran									
11,944.90	0.00	0.00	11,870.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Upper Sego									
12,189.90	0.00	0.00	12,115.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
Lower Sego									
12,439.90	0.00	0.00	12,365.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
TD at 12439.90 - TD									



WPX Energy
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RGU 434-36-198 - Slot B11
Company:	PICEANCE HL NAD 83	TVD Reference:	WELL @ 6595.00usft (Original Well Elev)
Project:	RG 36-01S-098W	MD Reference:	WELL @ 6595.00usft (Original Well Elev)
Site:	RGU 33-36-198 Pad	North Reference:	True
Well:	RGU 434-36-198	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 18Oct11 kjs		

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Mesaverde (25' Radius)	0.00	0.00	7,435.00	-1,017.95	22.73	1,770,005.20	2,203,475.90	39° 54' 47.879 N	108° 20' 23.442 W
- plan hits target center									
- Circle (radius 25.00)									

Casing Points

Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(in)	(in)
3,651.71	3,615.00	9 5/8"	9.625	14.750

Formations

Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
1,082.64	1,075.00	Green River Fm			
1,234.36	1,225.00	A Groove			
1,426.53	1,415.00	B Groove			
1,729.96	1,715.00	Dissolution Surface			
2,746.47	2,720.00	Garden Gulch			
2,923.47	2,895.00	Orange Marker			
3,145.99	3,115.00	Wasatch			
5,492.54	5,435.00	G' Sand			
5,836.43	5,775.00	Ft. Union			
7,209.81	7,135.00	Ohio Creek			
7,509.90	7,435.00	Mesaverde			
8,969.90	8,895.00	Top Gas			
10,629.90	10,555.00	Cameo Coals			
11,189.90	11,115.00	Rollins SS			
11,329.90	11,255.00	Cozzette			
11,559.90	11,485.00	Corcoran			
11,944.90	11,870.00	Upper Sego			
12,189.90	12,115.00	Lower Sego			
12,439.90	12,365.00	TD			

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	
120.00	120.00	0.00	0.00	Start Build 2.00
551.37	549.75	-32.41	0.72	Hold 8.63 Inclination
6,834.73	6,762.01	-974.74	21.76	Start Drop -1.50
7,409.90	7,335.00	-1,017.95	22.73	Vertical
7,509.90	7,435.00	-1,017.95	22.73	Mesaverde
12,439.90	12,365.00	-1,017.95	22.73	TD at 12439.90