



Well Name: RWF 721-44-28-HMB2
 Surface Location: RMV 95-21 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 5274.00

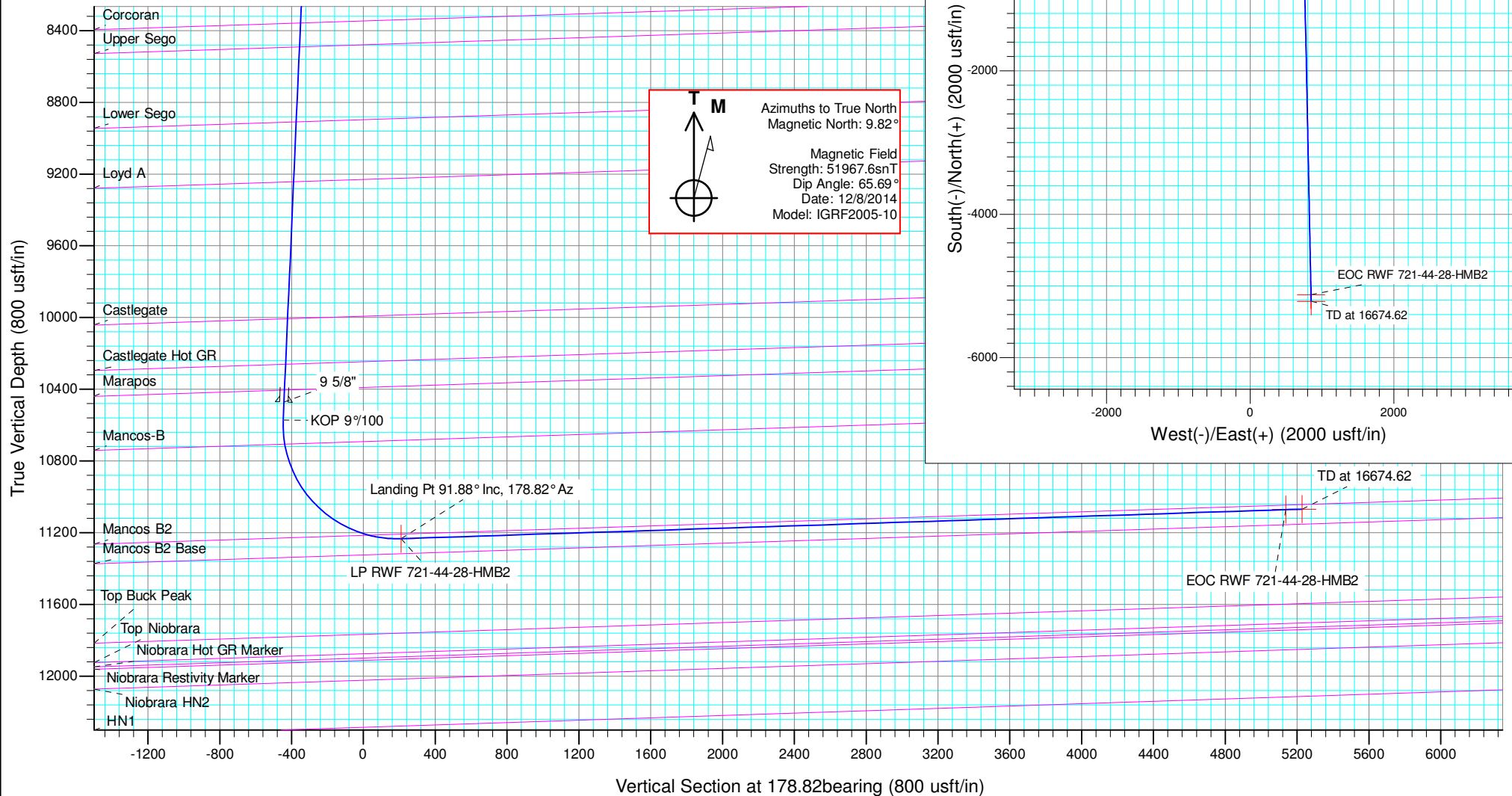
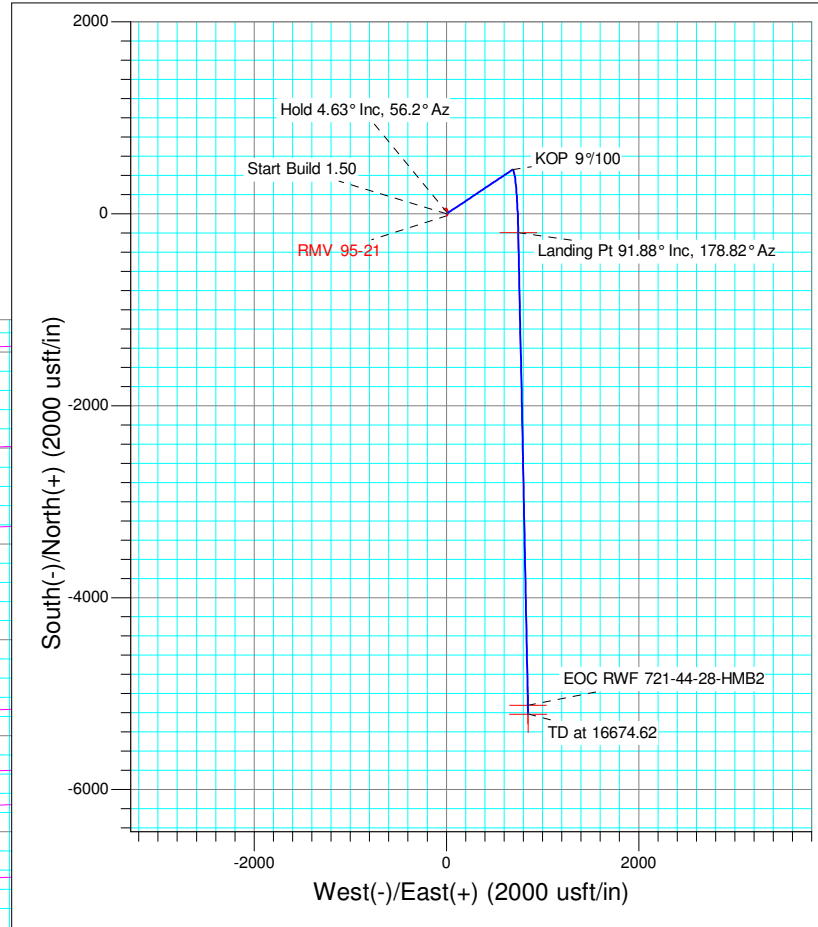
Project: RU 21-06S-094W
 Site: RMV 95-21 Pad
 Well: RWF 721-44-28-HMB2
 Plan #3 08Jan15 kjs

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1617294.30	2326024.10	39.503923	-107.888832	B 11

WELL @ 5307.00usft (Original Well Elev)

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
200.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
508.63	508.97	4.63	56.20	6.95	10.38	-6.73	12.49	Hold 4.63° Inc, 56.2° Az
10571.63	10604.98	4.63	56.20	460.81	688.23	-446.54	828.26	KOP 9°/100
11234.00	11653.60	91.88	178.82	-194.97	748.46	210.34	1493.59	Landing Pt 91.88° Inc, 178.82° Az
11069.00	16674.62	91.88	178.82	-5212.22	851.36	5228.65	6510.90	TD at 16674.62





PICEANCE VLY NAD 83

RU 21-06S-094W

RMV 95-21 Pad

RWF 721-44-28-HMB2 - Slot B11

Wellbore #1

Plan: Plan #3 08Jan15 kjs

Standard Planning Report - Geographic

09 January, 2015



WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 721-44-28-HMB2 - Slot B11
Company:	PICEANCE VLY NAD 83	TVD Reference:	WELL @ 5307.00usft (Original Well Elev)
Project:	RU 21-06S-094W	MD Reference:	WELL @ 5307.00usft (Original Well Elev)
Site:	RMV 95-21 Pad	North Reference:	True
Well:	RWF 721-44-28-HMB2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 08Jan15 kjs		

Project	RU 21-06S-094W, Garfield County, CO, 21-06S-094W		
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	RMV 95-21 Pad				
Site Position:		Northing:	1,617,343.78 usft	Latitude:	39.504057
From:	Map	Easting:	2,326,002.50 usft	Longitude:	-107.888913
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-1.51 °

Well	RWF 721-44-28-HMB2 - Slot B11					
Well Position	+N/-S	0.00 usft	Northing:	1,617,294.30 usft	Latitude:	39.503923
	+E/-W	0.00 usft	Easting:	2,326,024.10 usft	Longitude:	-107.888832
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	5,274.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/8/2014	9.82	65.69	51,968

Design	Plan #3 08Jan15 kjs			
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	178.82

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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
508.97	4.63	56.20	508.64	6.95	10.38	1.50	1.50	0.00	56.20	
10,604.98	4.63	56.20	10,571.63	460.81	688.23	0.00	0.00	0.00	0.00	
11,653.60	91.88	178.82	11,234.00	-194.98	748.46	9.00	8.32	11.69	122.42	LP RWF 721-44-28-H
16,674.62	91.88	178.82	11,069.00	-5,212.22	851.36	0.00	0.00	0.00	0.00	TD / PBHL RWF 721-



WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 721-44-28-HMB2 - Slot B11
Company:	PICEANCE VLY NAD 83	TVD Reference:	WELL @ 5307.00usft (Original Well Elev)
Project:	RU 21-06S-094W	MD Reference:	WELL @ 5307.00usft (Original Well Elev)
Site:	RMV 95-21 Pad	North Reference:	True
Well:	RWF 721-44-28-HMB2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 08Jan15 kjs		

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	1,617,294.30	2,326,024.10	39.503923	-107.888832	
200.00	0.00	0.00	200.00	0.00	0.00	1,617,294.30	2,326,024.10	39.503923	-107.888832	
Start Build 1.50										
400.00	3.00	56.20	399.91	2.91	4.35	1,617,297.09	2,326,028.53	39.503931	-107.888817	
508.97	4.63	56.20	508.63	6.95	10.38	1,617,300.97	2,326,034.66	39.503942	-107.888795	
Hold 4.63° Inc, 56.2° Az										
600.00	4.63	56.20	599.37	11.04	16.49	1,617,304.90	2,326,040.88	39.503953	-107.888774	
800.00	4.63	56.20	798.71	20.03	29.92	1,617,313.53	2,326,054.53	39.503978	-107.888726	
1,000.00	4.63	56.20	998.06	29.02	43.35	1,617,322.17	2,326,068.19	39.504002	-107.888678	
1,200.00	4.63	56.20	1,197.40	38.01	56.77	1,617,330.80	2,326,081.85	39.504027	-107.888631	
1,400.00	4.63	56.20	1,396.75	47.00	70.20	1,617,339.44	2,326,095.51	39.504052	-107.888583	
1,600.00	4.63	56.20	1,596.10	56.00	83.63	1,617,348.07	2,326,109.17	39.504076	-107.888536	
1,800.00	4.63	56.20	1,795.44	64.99	97.06	1,617,356.71	2,326,122.83	39.504101	-107.888488	
2,000.00	4.63	56.20	1,994.79	73.98	110.49	1,617,365.34	2,326,136.49	39.504126	-107.888441	
2,200.00	4.63	56.20	2,194.13	82.97	123.91	1,617,373.97	2,326,150.15	39.504151	-107.888393	
2,217.59	4.63	56.20	2,211.66	83.76	125.10	1,617,374.73	2,326,151.35	39.504153	-107.888389	
Base Fort Union										
2,265.08	4.63	56.20	2,259.00	85.89	128.28	1,617,376.78	2,326,154.60	39.504159	-107.888377	
13 3/8"										
2,400.00	4.63	56.20	2,393.48	91.96	137.34	1,617,382.61	2,326,163.81	39.504175	-107.888345	
2,600.00	4.63	56.20	2,592.83	100.95	150.77	1,617,391.24	2,326,177.47	39.504200	-107.888298	
2,800.00	4.63	56.20	2,792.17	109.94	164.20	1,617,399.88	2,326,191.13	39.504225	-107.888250	
3,000.00	4.63	56.20	2,991.52	118.93	177.63	1,617,408.51	2,326,204.79	39.504249	-107.888203	
3,200.00	4.63	56.20	3,190.86	127.92	191.06	1,617,417.15	2,326,218.45	39.504274	-107.888155	
3,400.00	4.63	56.20	3,390.21	136.91	204.48	1,617,425.78	2,326,232.11	39.504299	-107.888107	
3,600.00	4.63	56.20	3,589.56	145.91	217.91	1,617,434.42	2,326,245.77	39.504323	-107.888060	
3,800.00	4.63	56.20	3,788.90	154.90	231.34	1,617,443.05	2,326,259.43	39.504348	-107.888012	
3,988.91	4.63	56.20	3,977.20	163.39	244.02	1,617,451.21	2,326,272.33	39.504371	-107.887967	
Mesaverde										
4,000.00	4.63	56.20	3,988.25	163.89	244.77	1,617,451.69	2,326,273.08	39.504373	-107.887965	
4,200.00	4.63	56.20	4,187.59	172.88	258.20	1,617,460.32	2,326,286.74	39.504397	-107.887917	
4,400.00	4.63	56.20	4,386.94	181.87	271.62	1,617,468.95	2,326,300.40	39.504422	-107.887869	
4,600.00	4.63	56.20	4,586.29	190.86	285.05	1,617,477.59	2,326,314.06	39.504447	-107.887822	
4,800.00	4.63	56.20	4,785.63	199.85	298.48	1,617,486.22	2,326,327.72	39.504471	-107.887774	
5,000.00	4.63	56.20	4,984.98	208.84	311.91	1,617,494.86	2,326,341.38	39.504496	-107.887727	
5,200.00	4.63	56.20	5,184.32	217.83	325.34	1,617,503.49	2,326,355.04	39.504521	-107.887679	
5,312.13	4.63	56.20	5,296.09	222.87	332.87	1,617,508.33	2,326,362.70	39.504535	-107.887652	
Approx. Top Gas										
5,400.00	4.63	56.20	5,383.67	226.82	338.77	1,617,512.13	2,326,368.70	39.504545	-107.887632	
5,600.00	4.63	56.20	5,583.02	235.82	352.19	1,617,520.76	2,326,382.36	39.504570	-107.887584	
5,800.00	4.63	56.20	5,782.36	244.81	365.62	1,617,529.40	2,326,396.02	39.504595	-107.887536	
6,000.00	4.63	56.20	5,981.71	253.80	379.05	1,617,538.03	2,326,409.68	39.504619	-107.887489	
6,200.00	4.63	56.20	6,181.06	262.79	392.48	1,617,546.66	2,326,423.34	39.504644	-107.887441	
6,400.00	4.63	56.20	6,380.40	271.78	405.91	1,617,555.30	2,326,437.00	39.504669	-107.887394	
6,600.00	4.63	56.20	6,579.75	280.77	419.33	1,617,563.93	2,326,450.66	39.504694	-107.887346	
6,716.73	4.63	56.20	6,696.10	286.02	427.17	1,617,568.97	2,326,458.63	39.504708	-107.887318	
Cameo Coals										
6,800.00	4.63	56.20	6,779.09	289.76	432.76	1,617,572.57	2,326,464.32	39.504718	-107.887298	
7,000.00	4.63	56.20	6,978.44	298.75	446.19	1,617,581.20	2,326,477.98	39.504743	-107.887251	
7,200.00	4.63	56.20	7,177.79	307.74	459.62	1,617,589.84	2,326,491.63	39.504768	-107.887203	
7,400.00	4.63	56.20	7,377.13	316.73	473.05	1,617,598.47	2,326,505.29	39.504792	-107.887156	
7,600.00	4.63	56.20	7,576.48	325.72	486.48	1,617,607.11	2,326,518.95	39.504817	-107.887108	
7,692.32	4.63	56.20	7,668.49	329.87	492.67	1,617,611.09	2,326,525.26	39.504828	-107.887086	
Rollins SS										

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 721-44-28-HMB2 - Slot B11
Company:	PICEANCE VLY NAD 83	TVD Reference:	WELL @ 5307.00usft (Original Well Elev)
Project:	RU 21-06S-094W	MD Reference:	WELL @ 5307.00usft (Original Well Elev)
Site:	RMV 95-21 Pad	North Reference:	True
Well:	RWF 721-44-28-HMB2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 08Jan15 kjs		

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	
7,800.00	4.63	56.20	7,775.82	334.72	499.90	1,617,615.74	2,326,532.61	39.504842	-107.887060	
8,000.00	4.63	56.20	7,975.17	343.71	513.33	1,617,624.37	2,326,546.27	39.504866	-107.887013	
8,074.11	4.63	56.20	8,049.04	347.04	518.31	1,617,627.57	2,326,551.33	39.504875	-107.886995	
Cozzette										
8,200.00	4.63	56.20	8,174.52	352.70	526.76	1,617,633.01	2,326,559.93	39.504891	-107.886965	
8,383.57	4.63	56.20	8,357.48	360.95	539.08	1,617,640.93	2,326,572.47	39.504914	-107.886922	
Corcoran										
8,400.00	4.63	56.20	8,373.86	361.69	540.19	1,617,641.64	2,326,573.59	39.504916	-107.886918	
8,518.20	4.63	56.20	8,491.67	367.00	548.12	1,617,646.75	2,326,581.66	39.504930	-107.886890	
Upper Segó										
8,600.00	4.63	56.20	8,573.21	370.68	553.62	1,617,650.28	2,326,587.25	39.504940	-107.886870	
8,800.00	4.63	56.20	8,772.55	379.67	567.04	1,617,658.91	2,326,600.91	39.504965	-107.886823	
8,937.17	4.63	56.20	8,909.27	385.84	576.25	1,617,664.83	2,326,610.28	39.504982	-107.886790	
Lower Segó										
9,000.00	4.63	56.20	8,971.90	388.66	580.47	1,617,667.55	2,326,614.57	39.504990	-107.886775	
9,200.00	4.63	56.20	9,171.25	397.65	593.90	1,617,676.18	2,326,628.23	39.505014	-107.886727	
9,271.74	4.63	56.20	9,242.75	400.88	598.72	1,617,679.28	2,326,633.13	39.505023	-107.886710	
Loyd A										
9,400.00	4.63	56.20	9,370.59	406.64	607.33	1,617,684.82	2,326,641.89	39.505039	-107.886680	
9,600.00	4.63	56.20	9,569.94	415.63	620.76	1,617,693.45	2,326,655.55	39.505064	-107.886632	
9,800.00	4.63	56.20	9,769.28	424.63	634.18	1,617,702.08	2,326,669.21	39.505088	-107.886585	
10,000.00	4.63	56.20	9,968.63	433.62	647.61	1,617,710.72	2,326,682.87	39.505113	-107.886537	
10,038.34	4.63	56.20	10,006.85	435.34	650.19	1,617,712.37	2,326,685.48	39.505118	-107.886528	
Castlegate										
10,200.00	4.63	56.20	10,167.98	442.61	661.04	1,617,719.35	2,326,696.53	39.505138	-107.886489	
10,293.54	4.63	56.20	10,261.21	446.81	667.32	1,617,723.39	2,326,702.91	39.505149	-107.886467	
Castlegate Hot GR										
10,400.00	4.63	56.20	10,367.32	451.60	674.47	1,617,727.99	2,326,710.18	39.505162	-107.886442	
10,437.22	4.63	56.20	10,404.42	453.27	676.97	1,617,729.59	2,326,712.73	39.505167	-107.886433	
Marapos										
10,505.00	4.63	56.20	10,471.98	456.32	681.52	1,617,732.52	2,326,717.36	39.505175	-107.886417	
9 5/8"										
10,600.00	4.63	56.20	10,566.67	460.59	687.90	1,617,736.62	2,326,723.84	39.505187	-107.886394	
10,604.98	4.63	56.20	10,571.63	460.81	688.23	1,617,736.84	2,326,724.18	39.505188	-107.886393	
KOP 9"/100										
10,740.57	10.47	156.97	10,706.38	452.50	697.64	1,617,728.28	2,326,733.37	39.505165	-107.886360	
Mancos-B										
10,800.00	15.55	164.47	10,764.27	439.84	701.88	1,617,715.52	2,326,737.28	39.505130	-107.886345	
11,000.00	33.27	172.71	10,945.72	358.93	716.13	1,617,634.26	2,326,749.40	39.504908	-107.886294	
11,200.00	51.17	175.54	11,093.24	225.76	729.25	1,617,500.79	2,326,759.01	39.504542	-107.886248	
11,400.00	69.11	177.20	11,192.41	53.35	739.96	1,617,328.17	2,326,765.18	39.504069	-107.886210	
11,474.75	75.82	177.71	11,214.91	-17.81	743.12	1,617,256.95	2,326,766.47	39.503874	-107.886199	
Mancos B2										
11,600.00	87.07	178.50	11,233.51	-141.41	747.20	1,617,133.30	2,326,767.30	39.503534	-107.886184	
11,653.60	91.88	178.82	11,234.00	-194.97	748.46	1,617,079.72	2,326,767.14	39.503387	-107.886180	
Landing Pt 91.88° Inc, 178.82° Az										
11,800.00	91.88	178.82	11,229.19	-341.26	751.46	1,616,933.41	2,326,766.30	39.502986	-107.886169	
12,000.00	91.88	178.82	11,222.62	-541.11	755.56	1,616,733.53	2,326,765.14	39.502437	-107.886155	
12,200.00	91.88	178.82	11,216.04	-740.96	759.65	1,616,533.65	2,326,763.98	39.501889	-107.886140	
12,400.00	91.88	178.82	11,209.47	-940.81	763.75	1,616,333.77	2,326,762.83	39.501340	-107.886126	
12,600.00	91.88	178.82	11,202.90	-1,140.66	767.85	1,616,133.88	2,326,761.67	39.500791	-107.886111	
12,800.00	91.88	178.82	11,196.33	-1,340.51	771.95	1,615,934.00	2,326,760.51	39.500243	-107.886097	
13,000.00	91.88	178.82	11,189.76	-1,540.36	776.05	1,615,734.12	2,326,759.36	39.499694	-107.886082	



WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 721-44-28-HMB2 - Slot B11
Company:	PICEANCE VLY NAD 83	TVD Reference:	WELL @ 5307.00usft (Original Well Elev)
Project:	RU 21-06S-094W	MD Reference:	WELL @ 5307.00usft (Original Well Elev)
Site:	RMV 95-21 Pad	North Reference:	True
Well:	RWF 721-44-28-HMB2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 08Jan15 kjs		

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	
13,200.00	91.88	178.82	11,183.18	-1,740.21	780.15	1,615,534.24	2,326,758.20	39.499145	-107.886068	
13,400.00	91.88	178.82	11,176.61	-1,940.06	784.25	1,615,334.36	2,326,757.04	39.498597	-107.886053	
13,600.00	91.88	178.82	11,170.04	-2,139.91	788.35	1,615,134.48	2,326,755.89	39.498048	-107.886039	
13,800.00	91.88	178.82	11,163.47	-2,339.76	792.45	1,614,934.60	2,326,754.73	39.497499	-107.886024	
14,000.00	91.88	178.82	11,156.89	-2,539.61	796.55	1,614,734.72	2,326,753.57	39.496951	-107.886010	
14,200.00	91.88	178.82	11,150.32	-2,739.46	800.65	1,614,534.84	2,326,752.41	39.496402	-107.885995	
14,400.00	91.88	178.82	11,143.75	-2,939.31	804.74	1,614,334.96	2,326,751.26	39.495853	-107.885981	
14,600.00	91.88	178.82	11,137.18	-3,139.16	808.84	1,614,135.08	2,326,750.10	39.495305	-107.885966	
14,800.00	91.88	178.82	11,130.60	-3,339.01	812.94	1,613,935.20	2,326,748.94	39.494756	-107.885952	
15,000.00	91.88	178.82	11,124.03	-3,538.86	817.04	1,613,735.32	2,326,747.79	39.494207	-107.885937	
15,200.00	91.88	178.82	11,117.46	-3,738.71	821.14	1,613,535.44	2,326,746.63	39.493659	-107.885922	
15,400.00	91.88	178.82	11,110.89	-3,938.56	825.24	1,613,335.55	2,326,745.47	39.493110	-107.885908	
15,600.00	91.88	178.82	11,104.31	-4,138.41	829.34	1,613,135.67	2,326,744.32	39.492561	-107.885893	
15,800.00	91.88	178.82	11,097.74	-4,338.26	833.44	1,612,935.79	2,326,743.16	39.492013	-107.885879	
16,000.00	91.88	178.82	11,091.17	-4,538.11	837.54	1,612,735.91	2,326,742.00	39.491464	-107.885864	
16,200.00	91.88	178.82	11,084.60	-4,737.96	841.64	1,612,536.03	2,326,740.85	39.490915	-107.885850	
16,400.00	91.88	178.82	11,078.02	-4,937.81	845.74	1,612,336.15	2,326,739.69	39.490367	-107.885835	
16,600.00	91.88	178.82	11,071.45	-5,137.66	849.83	1,612,136.27	2,326,738.53	39.489818	-107.885821	
16,673.62	91.88	178.82	11,069.03	-5,211.23	851.34	1,612,062.69	2,326,738.11	39.489616	-107.885816	
TD at 16674.62										
16,674.62	91.88	178.82	11,069.00	-5,212.22	851.36	1,612,061.70	2,326,738.10	39.489613	-107.885816	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
TD / PBHL RWF 721-44 - plan hits target center - Point	0.00	0.00	11,069.00	-5,212.22	851.36	1,612,061.70	2,326,738.10	39.489613	-107.885816	
EOC RWF 721-44-28-HI - plan misses target center by 0.02usft at 16584.06usft MD (11071.98 TVD, -5121.74 N, 849.51 E) - Point	0.00	0.00	11,071.98	-5,121.74	849.48	1,612,152.20	2,326,738.60	39.489862	-107.885822	
LP RWF 721-44-28-HME - plan hits target center - Point	0.00	0.00	11,234.00	-194.98	748.46	1,617,079.72	2,326,767.14	39.503387	-107.886180	

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (in)	Hole Diameter (in)	
2,265.08	2,259.00	13 3/8"		13.375	17.500	
10,505.00	10,471.98	9 5/8"		9.625	13.500	

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 721-44-28-HMB2 - Slot B11
Company:	PICEANCE VLY NAD 83	TVD Reference:	WELL @ 5307.00usft (Original Well Elev)
Project:	RU 21-06S-094W	MD Reference:	WELL @ 5307.00usft (Original Well Elev)
Site:	RMV 95-21 Pad	North Reference:	True
Well:	RWF 721-44-28-HMB2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3 08Jan15 kjs		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)
2,217.59	2,211.66	Base Fort Union		-1.88	178.82
3,988.91	3,977.20	Mesaverde		-1.88	178.82
5,312.13	5,296.09	Approx. Top Gas		-1.88	178.82
6,716.73	6,696.10	Cameo Coals		-1.88	178.82
7,692.32	7,668.49	Rollins SS		-1.88	178.82
8,074.11	8,049.04	Cozzette		-1.88	178.82
8,383.57	8,357.48	Corcoran		-1.88	178.82
8,518.20	8,491.67	Upper Segó		-1.88	178.82
8,937.17	8,909.27	Lower Segó		-1.88	178.82
9,271.74	9,242.75	Loyd A		-1.88	178.82
10,038.34	10,006.85	Castlegate		-1.88	178.82
10,293.54	10,261.21	Castlegate Hot GR		-1.88	178.82
10,437.22	10,404.42	Marapos		-1.88	178.82
10,740.57	10,706.38	Mancos-B		-1.88	178.82
11,474.75	11,214.91	Mancos B2		-1.88	178.82

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.00	200.00	0.00	0.00	Start Build 1.50
508.97	508.63	6.95	10.38	Hold 4.63° Inc, 56.2° Az
10,604.98	10,571.63	460.81	688.23	KOP 9°/100
11,653.60	11,234.00	-194.97	748.46	Landing Pt 91.88° Inc, 178.82° Az
16,673.62	11,069.03	-5,211.23	851.34	TD at 16674.62