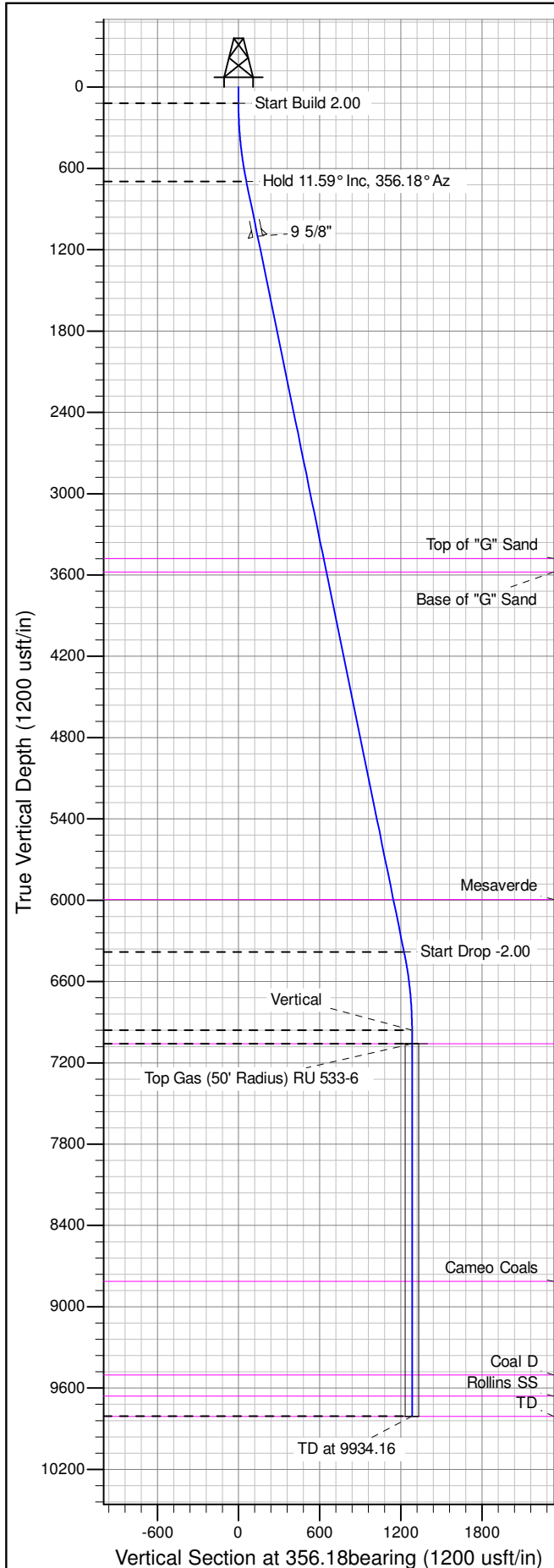
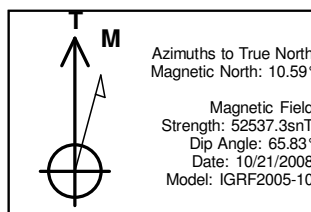
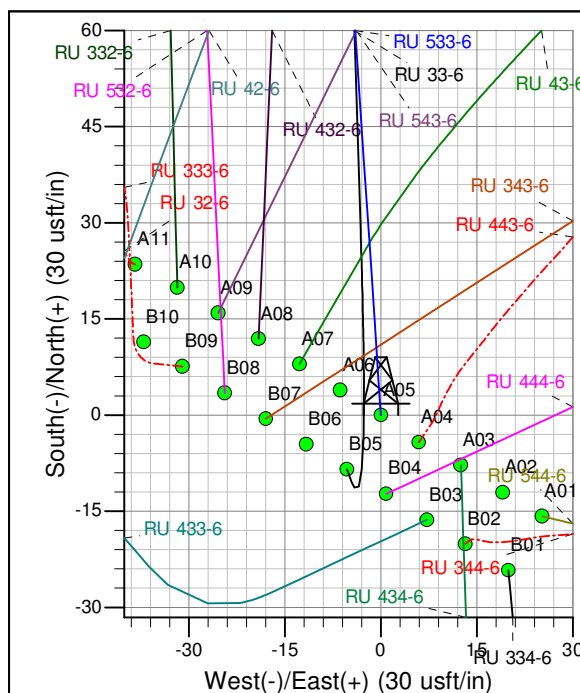
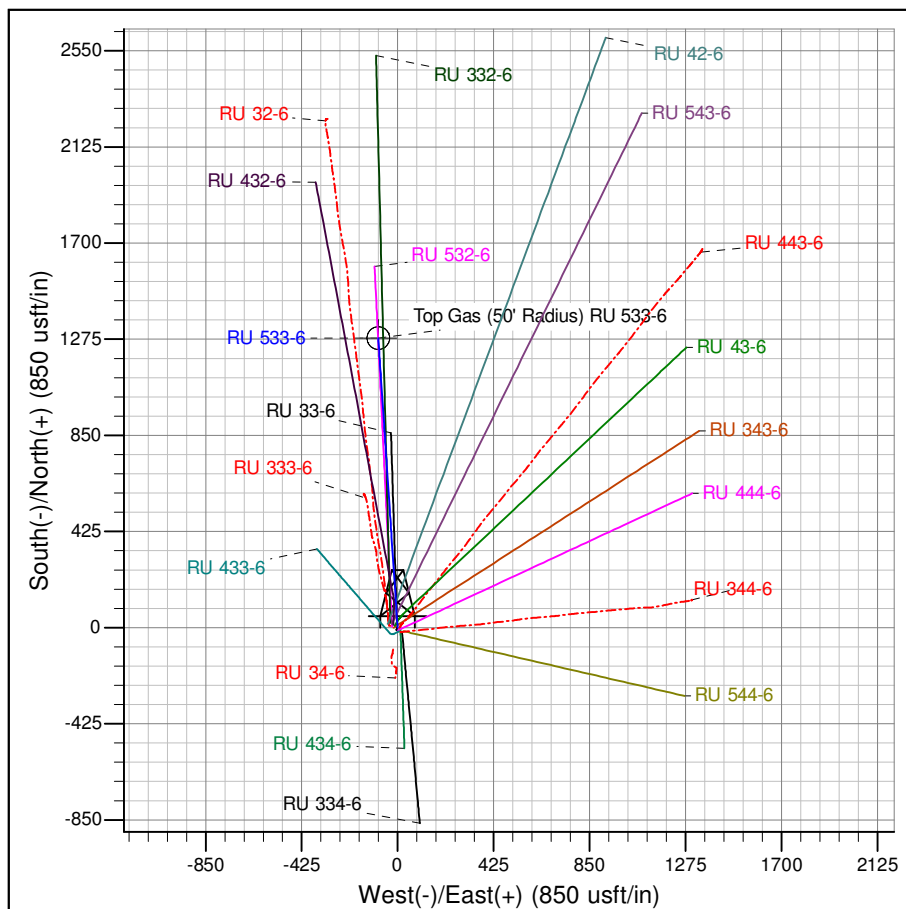




Well Name: RU 533-6
Surface Location: RU 34-6 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 7537.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1603596.70000 2346574.50000 39.46779 -107.81479 A05
KELLY BUSHING @ 7563.00usft (Nabors 574 (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	2.00
695.33	699.26	11.59	356.18	58.24	-3.89	58.36	58.36	Hold	11.59° Inc, 356.18° Az
6382.67	6504.89	11.59	356.18	1221.57	-81.56	1224.29	1224.29	Start Drop	-2.00
6958.00	7084.16	0.00	0.00	1279.81	-85.44	1282.65	1282.65	Vertical	
7058.00	7184.16	0.00	0.00	1279.81	-85.44	1282.65	1282.65	Top Gas	
9807.00	9933.16	0.00	0.00	1279.81	-85.44	1282.65	1282.65	TD at	9934.16



Magnetic Field
Strength: 52537.3snT
Dip Angle: 65.83°
Date: 10/21/2008
Model: IGRF2005-10

Project: RU 06-07S-093W
Site: RU 34-6 Pad
Well: RU 533-6
Plan #4 08Jul14 mab



PICEANCE VLY NAD 83

RU 06-07S-093W

RU 34-6 Pad

RU 533-6 - Slot A05

Wellbore #1

Plan: Plan #4 08Jul14 mab

Standard Planning Report - Geographic

14 August, 2014



WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-6 - Slot A05
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Project:	RU 06-07S-093W	MD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Site:	RU 34-6 Pad	North Reference:	True
Well:	RU 533-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 08Jul14 mab		

Project	RU 06-07S-093W		
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 34-6 Pad			
Site Position:		Northing:	1,603,613.20000 usft	Latitude: 39.46783
From: Map		Easting:	2,346,531.50000 usft	Longitude: -107.81494
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence: -1.46 °

Well	RU 533-6 - Slot A05					
Well Position	+N/-S	0.00 usft	Northing:	1,603,596.70000 usft	Latitude:	39.46779
	+E/-W	0.00 usft	Easting:	2,346,574.50000 usft	Longitude:	-107.81479
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	7,537.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	10/21/2008	10.59	65.83	52,537

Design	Plan #4 08Jul14 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	356.18

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	
699.26	11.59	356.18	695.33	58.24	-3.89	2.00	2.00	0.00	356.18	
6,504.89	11.59	356.18	6,382.67	1,221.57	-81.56	0.00	0.00	0.00	0.00	
7,084.16	0.00	0.00	6,958.00	1,279.81	-85.44	2.00	-2.00	0.00	180.00	
7,184.16	0.00	0.00	7,058.00	1,279.81	-85.44	0.00	0.00	0.00	0.00	Top Gas (50' Radius)
9,934.16	0.00	0.00	9,808.00	1,279.81	-85.44	0.00	0.00	0.00	0.00	



WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-6 - Slot A05
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Project:	RU 06-07S-093W	MD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Site:	RU 34-6 Pad	North Reference:	True
Well:	RU 533-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 08Jul14 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	1,603,596.70000	2,346,574.50000	39.46779	-107.81479	
120.00	0.00	0.00	120.00	0.00	0.00	1,603,596.70000	2,346,574.50000	39.46779	-107.81479	
Start Build 2.00										
200.00	1.60	356.18	199.99	1.11	-0.07	1,603,597.81594	2,346,574.45402	39.46779	-107.81479	
400.00	5.60	356.18	399.55	13.64	-0.91	1,603,610.36030	2,346,573.93710	39.46783	-107.81479	
600.00	9.60	356.18	597.76	40.03	-2.67	1,603,636.78263	2,346,572.84833	39.46790	-107.81480	
699.26	11.59	356.18	695.33	58.24	-3.89	1,603,655.01286	2,346,572.09712	39.46795	-107.81480	
Hold 11.59° Inc, 356.18° Az										
800.00	11.59	356.18	794.01	78.42	-5.24	1,603,675.22510	2,346,571.26424	39.46801	-107.81481	
1,000.00	11.59	356.18	989.93	118.50	-7.91	1,603,715.35460	2,346,569.61064	39.46812	-107.81482	
1,112.36	11.59	356.18	1,100.00	141.01	-9.41	1,603,737.89839	2,346,568.68169	39.46818	-107.81482	
9 5/8"										
1,200.00	11.59	356.18	1,185.86	158.57	-10.59	1,603,755.48411	2,346,567.95704	39.46823	-107.81483	
1,400.00	11.59	356.18	1,381.78	198.65	-13.26	1,603,795.61361	2,346,566.30344	39.46834	-107.81484	
1,600.00	11.59	356.18	1,577.71	238.72	-15.94	1,603,835.74311	2,346,564.64983	39.46845	-107.81485	
1,800.00	11.59	356.18	1,773.64	278.80	-18.61	1,603,875.87262	2,346,562.99623	39.46856	-107.81486	
2,000.00	11.59	356.18	1,969.56	318.88	-21.29	1,603,916.00213	2,346,561.34263	39.46867	-107.81487	
2,200.00	11.59	356.18	2,165.49	358.95	-23.96	1,603,956.13163	2,346,559.68902	39.46878	-107.81488	
2,400.00	11.59	356.18	2,361.41	399.03	-26.64	1,603,996.26114	2,346,558.03542	39.46889	-107.81489	
2,600.00	11.59	356.18	2,557.34	439.11	-29.32	1,604,036.39065	2,346,556.38182	39.46900	-107.81490	
2,800.00	11.59	356.18	2,753.26	479.18	-31.99	1,604,076.52015	2,346,554.72822	39.46911	-107.81490	
3,000.00	11.59	356.18	2,949.19	519.26	-34.67	1,604,116.64966	2,346,553.07461	39.46922	-107.81491	
3,200.00	11.59	356.18	3,145.11	559.33	-37.34	1,604,156.77917	2,346,551.42101	39.46933	-107.81492	
3,400.00	11.59	356.18	3,341.04	599.41	-40.02	1,604,196.90866	2,346,549.76741	39.46944	-107.81493	
3,539.81	11.59	356.18	3,478.00	627.43	-41.89	1,604,224.96123	2,346,548.61146	39.46951	-107.81494	
Top of "G" Sand										
3,600.00	11.59	356.18	3,536.96	639.49	-42.69	1,604,237.03817	2,346,548.11381	39.46955	-107.81494	
3,641.89	11.59	356.18	3,578.00	647.88	-43.25	1,604,245.44327	2,346,547.76746	39.46957	-107.81494	
Base of "G" Sand										
3,800.00	11.59	356.18	3,732.89	679.56	-45.37	1,604,277.16768	2,346,546.46020	39.46966	-107.81495	
4,000.00	11.59	356.18	3,928.81	719.64	-48.04	1,604,317.29718	2,346,544.80660	39.46977	-107.81496	
4,200.00	11.59	356.18	4,124.74	759.71	-50.72	1,604,357.42669	2,346,543.15300	39.46988	-107.81497	
4,400.00	11.59	356.18	4,320.67	799.79	-53.40	1,604,397.55620	2,346,541.49939	39.46999	-107.81498	
4,600.00	11.59	356.18	4,516.59	839.87	-56.07	1,604,437.68571	2,346,539.84579	39.47010	-107.81499	
4,800.00	11.59	356.18	4,712.52	879.94	-58.75	1,604,477.81521	2,346,538.19219	39.47021	-107.81500	
5,000.00	11.59	356.18	4,908.44	920.02	-61.42	1,604,517.94472	2,346,536.53859	39.47032	-107.81501	
5,200.00	11.59	356.18	5,104.37	960.09	-64.10	1,604,558.07423	2,346,534.88498	39.47043	-107.81502	
5,400.00	11.59	356.18	5,300.29	1,000.17	-66.77	1,604,598.20372	2,346,533.23138	39.47054	-107.81503	
5,600.00	11.59	356.18	5,496.22	1,040.25	-69.45	1,604,638.33323	2,346,531.57778	39.47065	-107.81504	
5,800.00	11.59	356.18	5,692.14	1,080.32	-72.13	1,604,678.46274	2,346,529.92418	39.47076	-107.81505	
6,000.00	11.59	356.18	5,888.07	1,120.40	-74.80	1,604,718.59224	2,346,528.27057	39.47087	-107.81506	
6,108.14	11.59	356.18	5,994.00	1,142.07	-76.25	1,604,740.28929	2,346,527.37651	39.47093	-107.81506	
Mesaverde										
6,200.00	11.59	356.18	6,083.99	1,160.48	-77.48	1,604,758.72175	2,346,526.61697	39.47098	-107.81507	
6,400.00	11.59	356.18	6,279.92	1,200.55	-80.15	1,604,798.85126	2,346,524.96337	39.47109	-107.81508	
6,504.89	11.59	356.18	6,382.67	1,221.57	-81.56	1,604,819.89770	2,346,524.09611	39.47114	-107.81508	
Start Drop -2.00										
6,600.00	9.68	356.18	6,476.14	1,239.08	-82.72	1,604,837.43222	2,346,523.37358	39.47119	-107.81508	
6,800.00	5.68	356.18	6,674.31	1,265.76	-84.51	1,604,864.14191	2,346,522.27296	39.47127	-107.81509	
7,000.00	1.68	356.18	6,873.85	1,278.57	-85.36	1,604,876.97562	2,346,521.74412	39.47130	-107.81509	
7,084.16	0.00	0.00	6,958.00	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509	
Vertical										



WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-6 - Slot A05
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Project:	RU 06-07S-093W	MD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Site:	RU 34-6 Pad	North Reference:	True
Well:	RU 533-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 08Jul14 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
7,184.16	0.00	0.00	7,058.00	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
Top Gas - Approx. Top Gas									
7,200.00	0.00	0.00	7,073.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
7,400.00	0.00	0.00	7,273.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
7,600.00	0.00	0.00	7,473.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
7,800.00	0.00	0.00	7,673.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
8,000.00	0.00	0.00	7,873.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
8,200.00	0.00	0.00	8,073.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
8,400.00	0.00	0.00	8,273.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
8,600.00	0.00	0.00	8,473.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
8,800.00	0.00	0.00	8,673.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
8,939.16	0.00	0.00	8,813.00	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
Cameo Coals									
9,000.00	0.00	0.00	8,873.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
9,200.00	0.00	0.00	9,073.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
9,400.00	0.00	0.00	9,273.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
9,600.00	0.00	0.00	9,473.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
9,629.16	0.00	0.00	9,503.00	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
Coal D									
9,784.16	0.00	0.00	9,658.00	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
Rollins SS									
9,800.00	0.00	0.00	9,673.84	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
9,934.16	0.00	0.00	9,808.00	1,279.81	-85.44	1,604,878.21055	2,346,521.69324	39.47130	-107.81509
TD at 9934.16 - 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) RL	0.00	0.00	7,058.00	1,279.73	-85.43	1,604,878.13794	2,346,521.70676	39.47130	-107.81509
- plan misses target center by 0.07usft at 7184.16usft MD (7058.00 TVD, 1279.81 N, -85.44 E)									
- Circle (radius 50.00)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,112.36	1,100.00	9 5/8"	9.625	13.500	



Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RU 533-6 - Slot A05
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Project:	RU 06-07S-093W	MD Reference:	KELLY BUSHING @ 7563.00usft (Nabors 574 (26' RKB) mab)
Site:	RU 34-6 Pad	North Reference:	True
Well:	RU 533-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #4 08Jul14 mab		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)	
3,539.81	3,478.00	Top of "G" Sand				
3,641.89	3,578.00	Base of "G" Sand				
6,108.14	5,994.00	Mesaverde				
7,184.16	7,058.00	Approx. Top Gas				
8,939.16	8,813.00	Cameo Coals				
9,629.16	9,503.00	Coal D				
9,784.16	9,658.00	Rollins SS				
9,934.16	9,808.00	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 2.00	
699.26	695.33	58.24	-3.89	Hold 11.59° Inc, 356.18° Az	
6,504.89	6,382.67	1,221.57	-81.56	Start Drop -2.00	
7,084.16	6,958.00	1,279.81	-85.44	Vertical	
7,184.16	7,058.00	1,279.81	-85.44	Top Gas	
9,934.16	9,808.00	1,279.81	-85.44	TD at 9934.16	