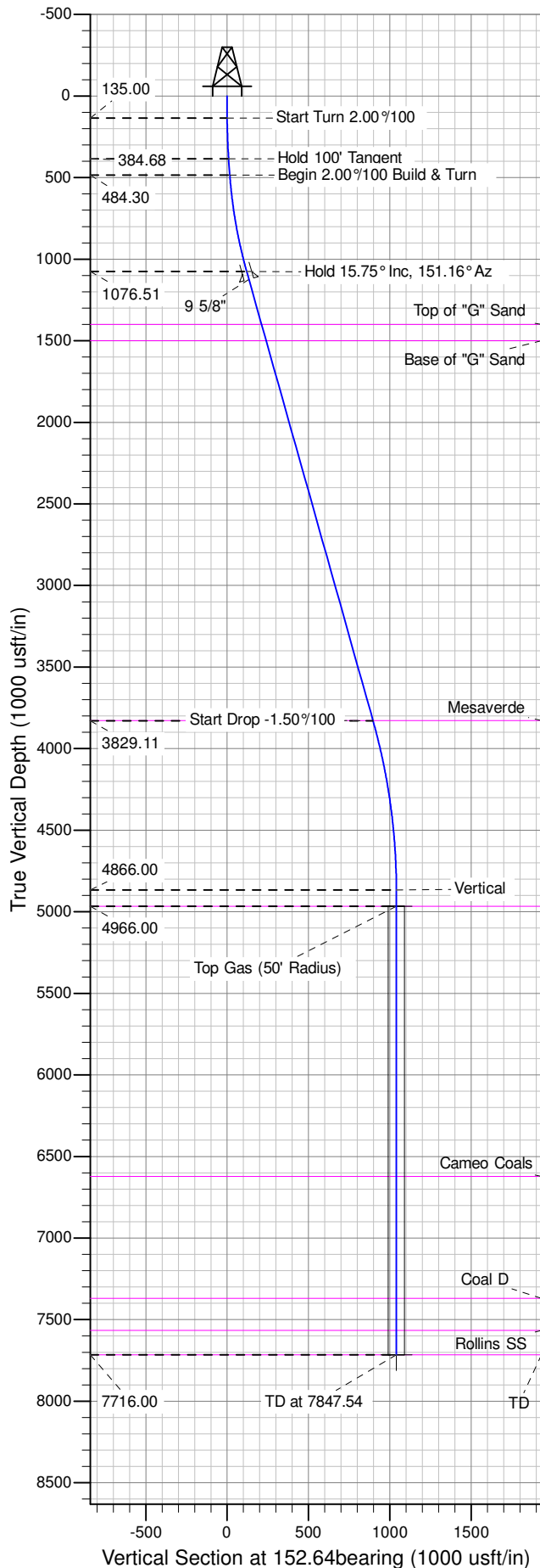
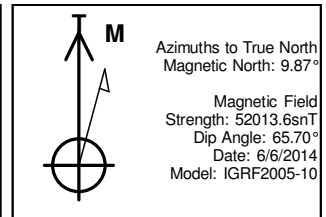
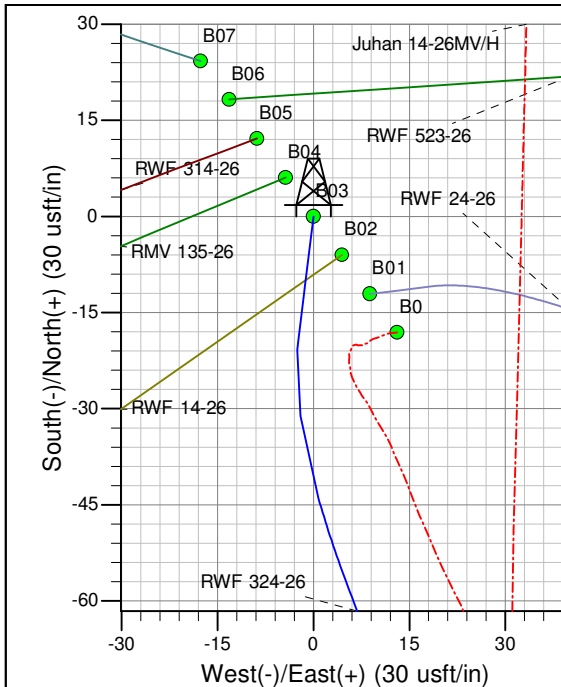
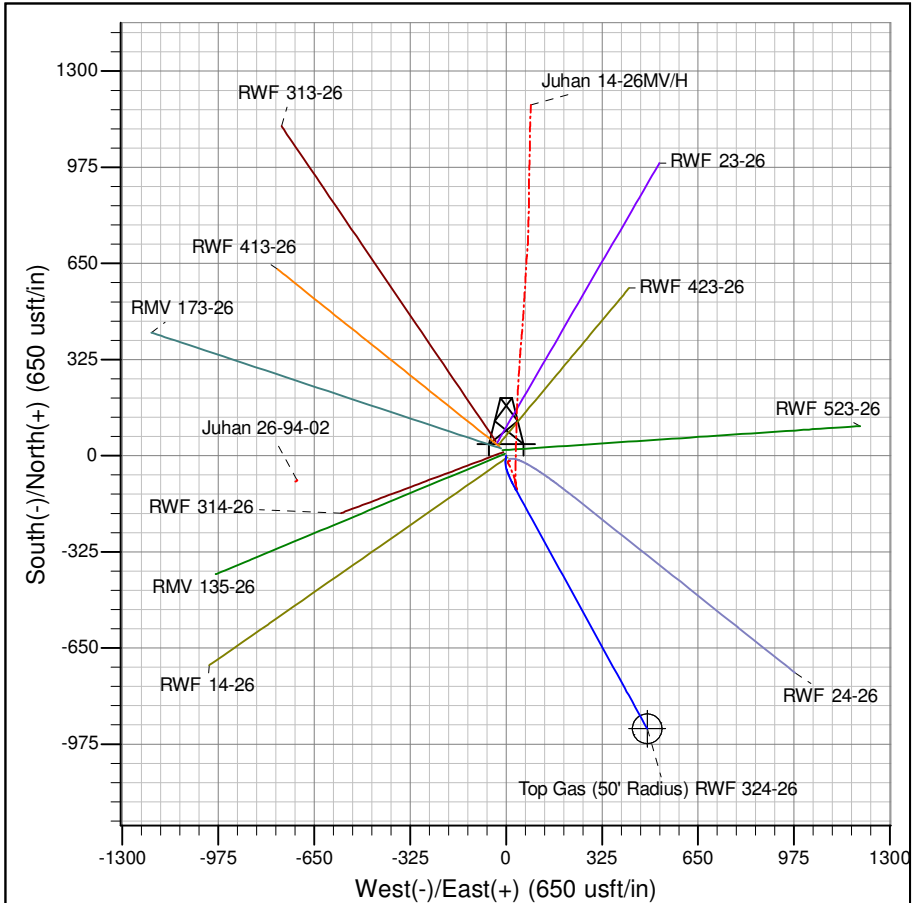




Well Name: RWF 324-26
Surface Location: JUHAN 14-26H Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5350.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1612778.90000 2334156.80000 39.49211 -107.85960 B03
KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
135.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Turn 2.00°/100
384.68	385.00	5.00	187.00	-10.82	-1.33	9.00	10.90	10.90	Hold 100' Tangent
484.30	485.00	5.00	187.00	-19.47	-2.39	16.19	19.62	19.62	Begin 2.00°/100 Build & Turn
1076.51	1087.48	15.75	151.16	-117.52	33.99	120.00	125.41	125.41	Hold 15.75° Inc, 151.16° Az
3829.11	3947.47	15.75	151.16	-797.60	408.47	896.11	901.77	901.77	Start Drop -1.50°/100
4866.00	4997.54	0.00	0.00	-923.24	477.66	1039.49	1045.20	1045.20	Vertical
4966.00	5097.54	0.00	0.00	-923.24	477.66	1039.49	1045.20	1045.20	Top Gas
7716.00	7847.54	0.00	0.00	-923.24	477.66	1039.49	1045.20	1045.20	TD at 7847.54



Project: RU 26-06S-094W
Site: JUHAN 14-26H Pad
Well: RWF 324-26
Plan #1 06Jun14 mab

PICEANCE VLY NAD 83

RU 26-06S-094W

JUHAN 14-26H Pad

RWF 324-26 - Slot B03

Wellbore #1

Plan: Plan #1 06Jun14 mab

Standard Planning Report - Geographic

15 August, 2014

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 324-26 - Slot B03
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Project:	RU 26-06S-094W	MD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Site:	JUHAN 14-26H Pad	North Reference:	True
Well:	RWF 324-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 06Jun14 mab		

Project	RU 26-06S-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	JUHAN 14-26H Pad			
Site Position:		Northing:	1,612,760.48182 usft	Latitude: 39.49206
From: Map		Easting:	2,334,169.39807 usft	Longitude: -107.85956
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence: -1.49 °

Well	RWF 324-26 - Slot B03			
Well Position	+N/-S	0.00 usft	Northing:	1,612,778.90000 usft
	+E/-W	0.00 usft	Easting:	2,334,156.80000 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft
			Ground Level:	5,350.00 usft

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

Design	Plan #1 06Jun14 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	152.64

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	
135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	
385.00	5.00	187.00	384.68	-10.82	-1.33	2.00	2.00	0.00	187.00	
485.00	5.00	187.00	484.30	-19.47	-2.39	0.00	0.00	0.00	0.00	
1,087.48	15.75	151.16	1,076.51	-117.52	33.99	2.00	1.78	-5.95	-49.59	
3,947.47	15.75	151.16	3,829.11	-797.60	408.47	0.00	0.00	0.00	0.00	
4,997.54	0.00	0.00	4,866.00	-923.24	477.66	1.50	-1.50	0.00	180.00	
7,847.54	0.00	0.00	7,716.00	-923.24	477.66	0.00	0.00	0.00	0.00	TD / PBHL RWF 324-

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 324-26 - Slot B03
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Project:	RU 26-06S-094W	MD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Site:	JUHAN 14-26H Pad	North Reference:	True
Well:	RWF 324-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	1,612,778.90000	2,334,156.80000	39.49211	-107.85961	
135.00	0.00	0.00	135.00	0.00	0.00	1,612,778.90000	2,334,156.80000	39.49211	-107.85961	
Start Turn 2.00°/100										
200.00	1.30	187.00	199.99	-0.73	-0.09	1,612,778.17074	2,334,156.69116	39.49211	-107.85961	
385.00	5.00	187.00	384.68	-10.82	-1.33	1,612,768.11847	2,334,155.19096	39.49208	-107.85961	
Hold 100' Tangent										
400.00	5.00	187.00	399.63	-12.12	-1.49	1,612,766.82550	2,334,154.99800	39.49208	-107.85961	
485.00	5.00	187.00	484.30	-19.47	-2.39	1,612,759.49871	2,334,153.90455	39.49206	-107.85961	
Begin 2.00°/100 Build & Turn										
600.00	6.72	171.87	598.70	-31.11	-2.05	1,612,747.85514	2,334,153.94341	39.49203	-107.85961	
800.00	10.27	159.06	796.49	-59.36	5.98	1,612,719.40627	2,334,161.23868	39.49195	-107.85959	
1,000.00	14.06	152.92	991.98	-97.66	23.42	1,612,680.66932	2,334,177.67739	39.49185	-107.85952	
1,087.48	15.75	151.16	1,076.51	-117.52	33.99	1,612,660.53827	2,334,187.72301	39.49179	-107.85949	
Hold 15.75° Inc, 151.16° Az										
1,137.48	15.75	151.16	1,124.63	-129.41	40.53	1,612,648.48295	2,334,193.95885	39.49176	-107.85946	
9 5/8"										
1,200.00	15.75	151.16	1,184.80	-144.28	48.72	1,612,633.40928	2,334,201.75600	39.49172	-107.85943	
1,400.00	15.75	151.16	1,377.29	-191.84	74.91	1,612,585.18896	2,334,226.69889	39.49159	-107.85934	
1,423.59	15.75	151.16	1,400.00	-197.45	78.00	1,612,579.50084	2,334,229.64118	39.49157	-107.85933	
Top of "G" Sand										
1,527.49	15.75	151.16	1,500.00	-222.16	91.60	1,612,554.45002	2,334,242.59919	39.49150	-107.85928	
Base of "G" Sand										
1,600.00	15.75	151.16	1,569.78	-239.40	101.10	1,612,536.96864	2,334,251.64177	39.49146	-107.85925	
1,800.00	15.75	151.16	1,762.27	-286.95	127.28	1,612,488.74833	2,334,276.58466	39.49133	-107.85916	
2,000.00	15.75	151.16	1,954.76	-334.51	153.47	1,612,440.52801	2,334,301.52754	39.49120	-107.85906	
2,200.00	15.75	151.16	2,147.25	-382.07	179.66	1,612,392.30769	2,334,326.47043	39.49107	-107.85897	
2,400.00	15.75	151.16	2,339.74	-429.63	205.85	1,612,344.08737	2,334,351.41331	39.49094	-107.85888	
2,600.00	15.75	151.16	2,532.23	-477.19	232.04	1,612,295.86705	2,334,376.35620	39.49080	-107.85878	
2,800.00	15.75	151.16	2,724.72	-524.75	258.22	1,612,247.64673	2,334,401.29908	39.49067	-107.85869	
3,000.00	15.75	151.16	2,917.21	-572.30	284.41	1,612,199.42641	2,334,426.24197	39.49054	-107.85860	
3,200.00	15.75	151.16	3,109.70	-619.86	310.60	1,612,151.20609	2,334,451.18485	39.49041	-107.85851	
3,400.00	15.75	151.16	3,302.19	-667.42	336.79	1,612,102.98577	2,334,476.12774	39.49028	-107.85841	
3,600.00	15.75	151.16	3,494.68	-714.98	362.98	1,612,054.76546	2,334,501.07062	39.49015	-107.85832	
3,800.00	15.75	151.16	3,687.17	-762.54	389.16	1,612,006.54514	2,334,526.01350	39.49002	-107.85823	
3,946.32	15.75	151.16	3,828.00	-797.33	408.32	1,611,971.26709	2,334,544.26175	39.48993	-107.85816	
Mesaverde										
3,947.47	15.75	151.16	3,829.11	-797.60	408.47	1,611,970.99025	2,334,544.40495	39.48992	-107.85816	
Start Drop -1.50°/100										
4,000.00	14.96	151.16	3,879.76	-809.79	415.18	1,611,958.63400	2,334,550.79645	39.48989	-107.85814	
4,200.00	11.96	151.16	4,074.24	-850.57	437.64	1,611,917.28208	2,334,572.18653	39.48978	-107.85806	
4,400.00	8.96	151.16	4,270.89	-882.39	455.16	1,611,885.02699	2,334,588.87109	39.48969	-107.85799	
4,600.00	5.96	151.16	4,469.18	-905.14	467.69	1,611,861.95713	2,334,600.80442	39.48963	-107.85795	
4,800.00	2.96	151.16	4,668.55	-918.77	475.19	1,611,848.13574	2,334,607.95380	39.48959	-107.85792	
4,997.54	0.00	0.00	4,866.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
Vertical										
5,000.00	0.00	0.00	4,868.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
5,097.54	0.00	0.00	4,966.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
Top Gas - Approx. Top Gas										
5,200.00	0.00	0.00	5,068.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
5,400.00	0.00	0.00	5,268.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
5,600.00	0.00	0.00	5,468.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 324-26 - Slot B03
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Project:	RU 26-06S-094W	MD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Site:	JUHAN 14-26H Pad	North Reference:	True
Well:	RWF 324-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	
5,800.00	0.00	0.00	5,668.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
6,000.00	0.00	0.00	5,868.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
6,200.00	0.00	0.00	6,068.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
6,400.00	0.00	0.00	6,268.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
6,600.00	0.00	0.00	6,468.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
6,754.54	0.00	0.00	6,623.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
Cameo Coals										
6,800.00	0.00	0.00	6,668.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
7,000.00	0.00	0.00	6,868.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
7,200.00	0.00	0.00	7,068.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
7,400.00	0.00	0.00	7,268.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
7,501.54	0.00	0.00	7,370.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
Coal D										
7,600.00	0.00	0.00	7,468.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
7,697.54	0.00	0.00	7,566.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
Rollins SS										
7,800.00	0.00	0.00	7,668.46	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
7,847.54	0.00	0.00	7,716.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
TD at 7847.54 - 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	4,966.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
- plan hits target center										
- Circle (radius 50.00)										
TD / PBHL RWF 324-26	0.00	0.00	7,716.00	-923.24	477.66	1,611,843.60000	2,334,610.30000	39.48958	-107.85791	
- plan hits target center										
- Point										

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name			Casing Diameter (in)	Hole Diameter (in)
1,137.48	1,124.63	9 5/8"			9.625	13.500

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well RWF 324-26 - Slot B03
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Project:	RU 26-06S-094W	MD Reference:	KELLY BUSHING @ 5376.00usft (Nabors 577 (26' RKB) mab)
Site:	JUHAN 14-26H Pad	North Reference:	True
Well:	RWF 324-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 06Jun14 mab		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)	
1,423.59	1,400.00	Top of "G" Sand				
1,527.49	1,500.00	Base of "G" Sand				
3,946.32	3,828.00	Mesaverde				
5,097.54	4,966.00	Approx. Top Gas				
6,754.54	6,623.00	Cameo Coals				
7,501.54	7,370.00	Coal D				
7,697.54	7,566.00	Rollins SS				
7,847.54	7,716.00	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
135.00	135.00	0.00	0.00	Start Turn 2.00°/100	
385.00	384.68	-10.82	-1.33	Hold 100' Tangent	
485.00	484.30	-19.47	-2.39	Begin 2.00°/100 Build & Turn	
1,087.48	1,076.51	-117.52	33.99	Hold 15.75° Inc, 151.16° Az	
3,947.47	3,829.11	-797.60	408.47	Start Drop -1.50°/100	
4,997.54	4,866.00	-923.24	477.66	Vertical	
5,097.54	4,966.00	-923.24	477.66	Top Gas	
7,847.54	7,716.00	-923.24	477.66	TD at 7847.54	