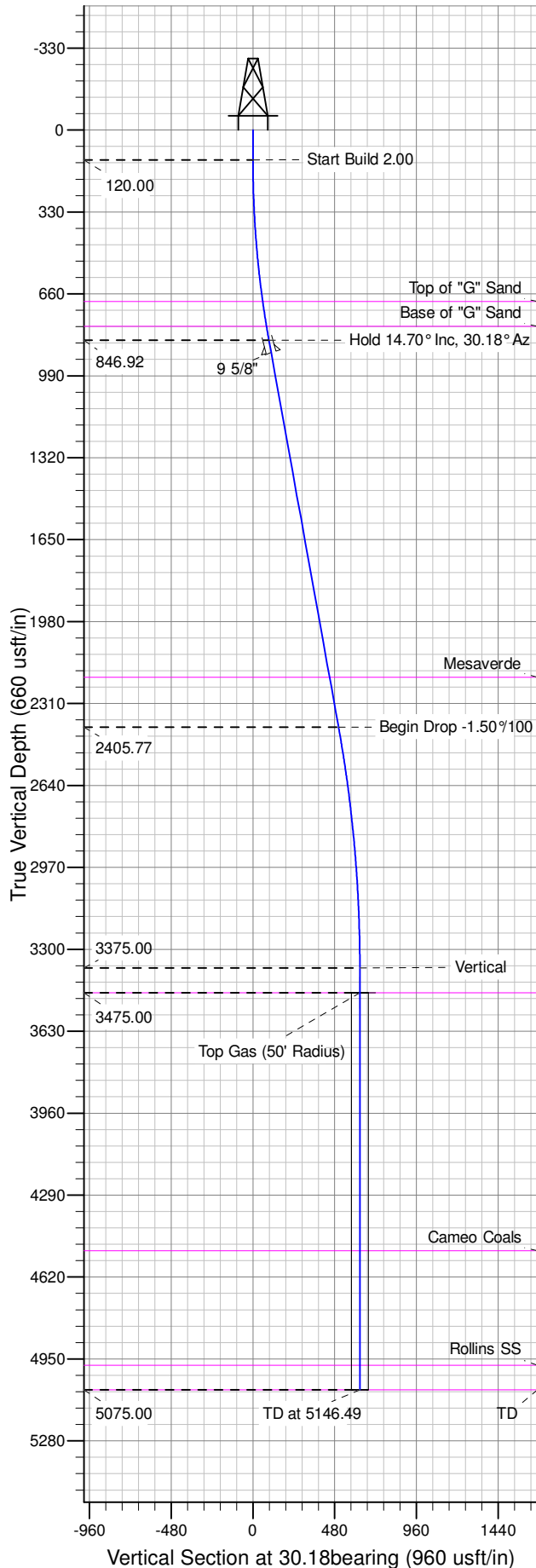
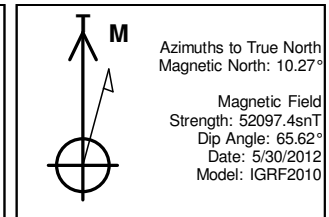
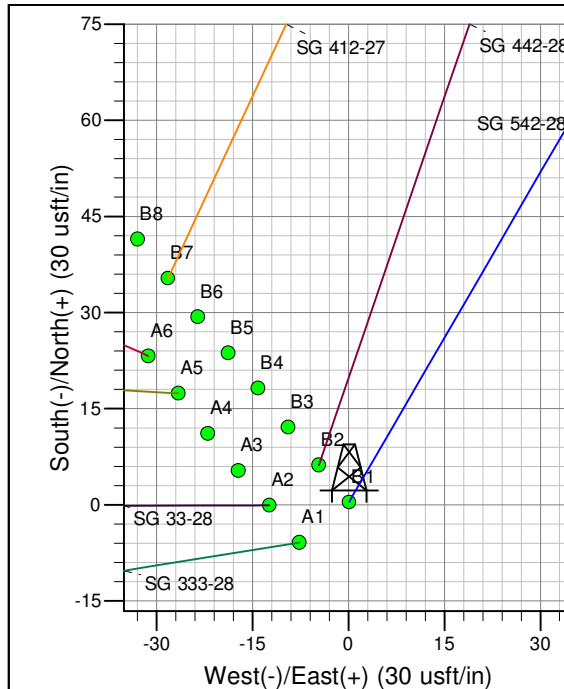
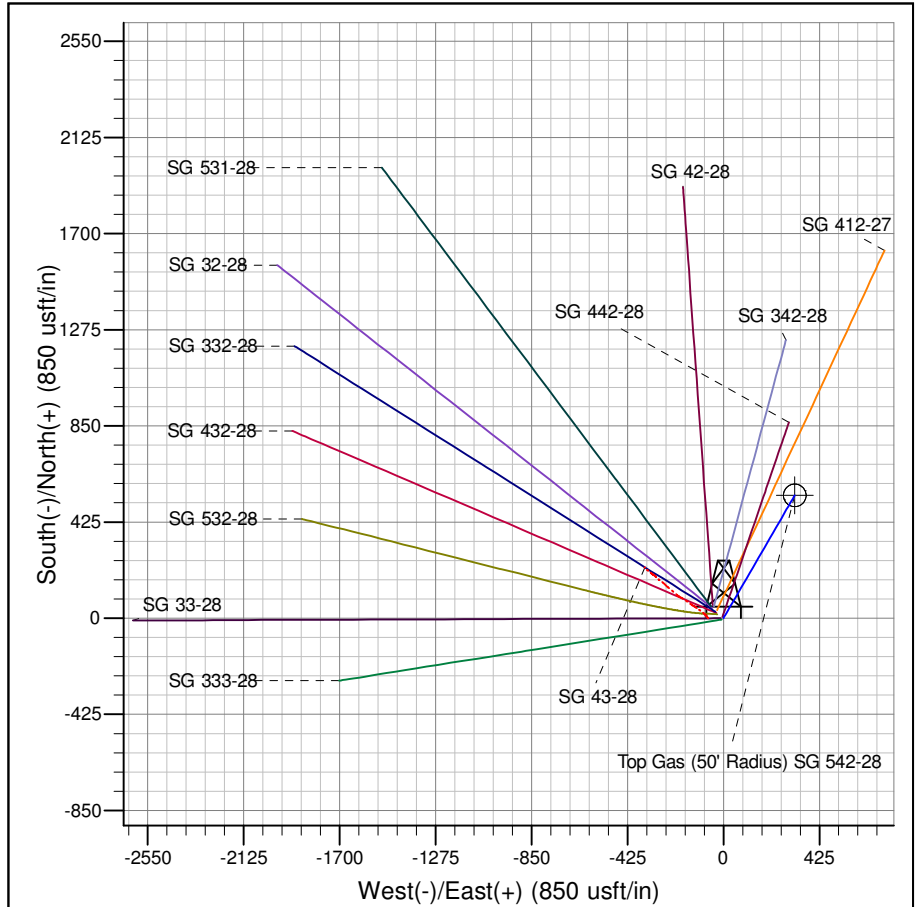




Well Name: SG 542-28
Surface Location: SG 43-28 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5119.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.42 0.09 1583836.42000 2263483.75000 39.40738 -108.10698 B 1
KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
120.00	120.00	0.00	0.00	0.42	0.09	0.00	0.00	Start Build 2.00	
846.92	854.96	14.70	30.18	81.48	47.22	93.76	93.76	Hold 14.70° Inc, 30.18° Az	
2405.77	2466.55	14.70	30.18	434.99	252.78	502.69	502.69	Begin Drop -1.50°/100	
3375.00	3446.49	0.00	0.00	543.06	315.62	627.70	627.70	Vertical	
3475.00	3546.49	0.00	0.00	543.06	315.62	627.70	627.70	Top Gas	
5075.00	5146.49	0.00	0.00	543.06	315.62	627.70	627.70	TD at 5146.49	



Project: SG 28-07S-096W
Site: SG 43-28 Pad
Well: SG 542-28
Design #3 16Apr14 mab

PICEANCE VLY NAD 83

SG 28-07S-096W

SG 43-28 Pad

SG 542-28 - Slot B1

Wellbore #1

Plan: Design #3 16Apr14 mab

Standard Planning Report - Geographic

23 May, 2014

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well SG 542-28 - Slot B1
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)
Project:	SG 28-07S-096W	MD Reference:	KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)
Site:	SG 43-28 Pad	North Reference:	True
Well:	SG 542-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3 16Apr14 mab		

Project	SG 28-07S-096W, Garfield County, CO, 28-07S-096W		
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	SG 43-28 Pad		
Site Position:		Northing:	1,583,837.93900 usft
From:	Map	Easting:	2,263,416.17600 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	39.40738
		Longitude:	-108.10722
		Grid Convergence:	-1.64 °

Well	SG 542-28 - Slot B1		
Well Position	+N/-S	0.42 usft	Northing: 1,583,836.42000 usft
	+E/-W	0.09 usft	Easting: 2,263,483.75000 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Latitude: 39.40738
			Longitude: -108.10698
			Ground Level: 5,119.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/30/2012	10.27	65.62	52,097

Design	Design #3 16Apr14 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	0.42	0.09	30.18

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	0.42	0.09	0.00	0.00	0.00	0.00	
120.00	0.00	0.00	120.00	0.42	0.09	0.00	0.00	0.00	0.00	
854.96	14.70	30.18	846.92	81.48	47.22	2.00	2.00	0.00	30.18	
2,466.55	14.70	30.18	2,405.77	434.99	252.78	0.00	0.00	0.00	0.00	
3,446.49	0.00	0.00	3,375.00	543.06	315.62	1.50	-1.50	0.00	180.00	
3,546.49	0.00	0.00	3,475.00	543.06	315.62	0.00	0.00	0.00	0.00	Top Gas (50' Radius)
5,146.49	0.00	0.00	5,075.00	543.06	315.62	0.00	0.00	0.00	0.00	

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well SG 542-28 - Slot B1
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)
Project:	SG 28-07S-096W	MD Reference:	KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)
Site:	SG 43-28 Pad	North Reference:	True
Well:	SG 542-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3 16Apr14 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	0.42	0.09	1,583,836.42000	2,263,483.75000	39.40738	-108.10698	
120.00	0.00	0.00	120.00	0.42	0.09	1,583,836.42000	2,263,483.75000	39.40738	-108.10698	
Start Build 2.00										
200.00	1.60	30.18	199.99	1.39	0.65	1,583,837.36901	2,263,484.33890	39.40738	-108.10698	
400.00	5.60	30.18	399.55	12.24	6.96	1,583,848.03690	2,263,490.95875	39.40741	-108.10696	
600.00	9.60	30.18	597.76	35.10	20.25	1,583,870.50679	2,263,504.90222	39.40748	-108.10691	
693.83	11.48	30.18	690.00	49.94	28.88	1,583,885.08683	2,263,513.94971	39.40752	-108.10688	
Top of "G" Sand										
796.26	13.53	30.18	790.00	69.10	40.02	1,583,903.92467	2,263,525.63934	39.40757	-108.10684	
Base of "G" Sand										
800.00	13.60	30.18	793.63	69.86	40.46	1,583,904.66922	2,263,526.10136	39.40757	-108.10684	
854.96	14.70	30.18	846.92	81.48	47.22	1,583,916.08352	2,263,533.18439	39.40760	-108.10682	
Hold 14.70° Inc, 30.18° Az										
904.96	14.70	30.18	895.29	92.44	53.60	1,583,926.86405	2,263,539.87414	39.40763	-108.10679	
9 5/8"										
1,000.00	14.70	30.18	987.22	113.29	65.72	1,583,947.35411	2,263,552.58904	39.40769	-108.10675	
1,200.00	14.70	30.18	1,180.67	157.16	91.23	1,583,990.47293	2,263,579.34599	39.40781	-108.10666	
1,400.00	14.70	30.18	1,374.13	201.03	116.74	1,584,033.59174	2,263,606.10294	39.40793	-108.10657	
1,600.00	14.70	30.18	1,567.58	244.90	142.25	1,584,076.71056	2,263,632.85989	39.40805	-108.10648	
1,800.00	14.70	30.18	1,761.03	288.78	167.76	1,584,119.82937	2,263,659.61684	39.40817	-108.10639	
2,000.00	14.70	30.18	1,954.49	332.65	193.27	1,584,162.94819	2,263,686.37378	39.40829	-108.10630	
2,200.00	14.70	30.18	2,147.94	376.52	218.78	1,584,206.06701	2,263,713.13072	39.40841	-108.10621	
2,257.95	14.70	30.18	2,204.00	389.23	226.17	1,584,218.56142	2,263,720.88401	39.40845	-108.10618	
Mesaverde										
2,400.00	14.70	30.18	2,341.40	420.39	244.29	1,584,249.18583	2,263,739.88767	39.40853	-108.10612	
2,466.55	14.70	30.18	2,405.77	434.99	252.78	1,584,263.53429	2,263,748.79147	39.40857	-108.10609	
Begin Drop -1.50°/100										
2,600.00	12.70	30.18	2,535.42	462.30	268.66	1,584,290.38321	2,263,765.45229	39.40865	-108.10603	
2,800.00	9.70	30.18	2,731.59	495.88	288.18	1,584,323.37836	2,263,785.92710	39.40874	-108.10596	
3,000.00	6.70	30.18	2,929.52	520.52	302.52	1,584,347.60510	2,263,800.96076	39.40881	-108.10591	
3,200.00	3.70	30.18	3,128.68	536.19	311.62	1,584,362.99700	2,263,810.51205	39.40885	-108.10588	
3,400.00	0.70	30.18	3,328.51	542.81	315.48	1,584,369.51189	2,263,814.55479	39.40887	-108.10587	
3,446.49	0.00	0.00	3,375.00	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
Vertical										
3,546.49	0.00	0.00	3,475.00	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
Top Gas - Approx. Top Gas										
3,600.00	0.00	0.00	3,528.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
3,800.00	0.00	0.00	3,728.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
4,000.00	0.00	0.00	3,928.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
4,200.00	0.00	0.00	4,128.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
4,400.00	0.00	0.00	4,328.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
4,585.49	0.00	0.00	4,514.00	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
Cameo Coals										
4,600.00	0.00	0.00	4,528.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
4,800.00	0.00	0.00	4,728.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
5,000.00	0.00	0.00	4,928.51	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
5,046.49	0.00	0.00	4,975.00	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
Rollins SS										
5,146.49	0.00	0.00	5,075.00	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587	
TD at 5146.49 - TD										

WPX
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well SG 542-28 - Slot B1
Company:	PICEANCE VLY NAD 83	TVD Reference:	KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)
Project:	SG 28-07S-096W	MD Reference:	KELLY BUSHING @ 5145.00usft (Nabors 573 (26' RKB) kjs)
Site:	SG 43-28 Pad	North Reference:	True
Well:	SG 542-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3 16Apr14 mab		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Top Gas (50' Radius) SC - plan hits target center - Circle (radius 50.00)	0.00	0.00	3,475.00	543.06	315.62	1,584,369.75231	2,263,814.70399	39.40887	-108.10587

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
904.96	895.29	9 5/8"	9.625	13.500	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)	
693.83	690.00	Top of "G" Sand				
796.26	790.00	Base of "G" Sand				
2,257.95	2,204.00	Mesaverde				
3,546.49	3,475.00	Approx. Top Gas				
4,585.49	4,514.00	Cameo Coals				
5,046.49	4,975.00	Rollins SS				
5,146.49	5,075.00	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.00	120.00	0.42	0.09	Start Build 2.00	
854.96	846.92	81.48	47.22	Hold 14.70° Inc, 30.18° Az	
2,466.55	2,405.77	434.99	252.78	Begin Drop -1.50°/100	
3,446.49	3,375.00	543.06	315.62	Vertical	
3,546.49	3,475.00	543.06	315.62	Top Gas	
5,146.49	5,075.00	543.06	315.62	TD at 5146.49	