

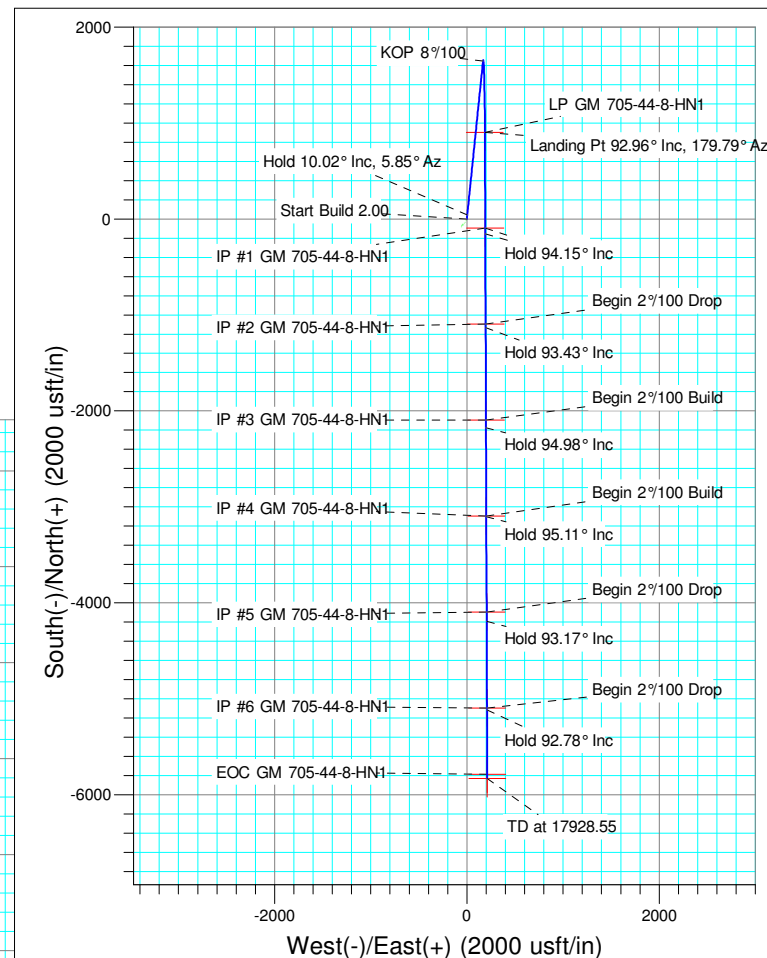
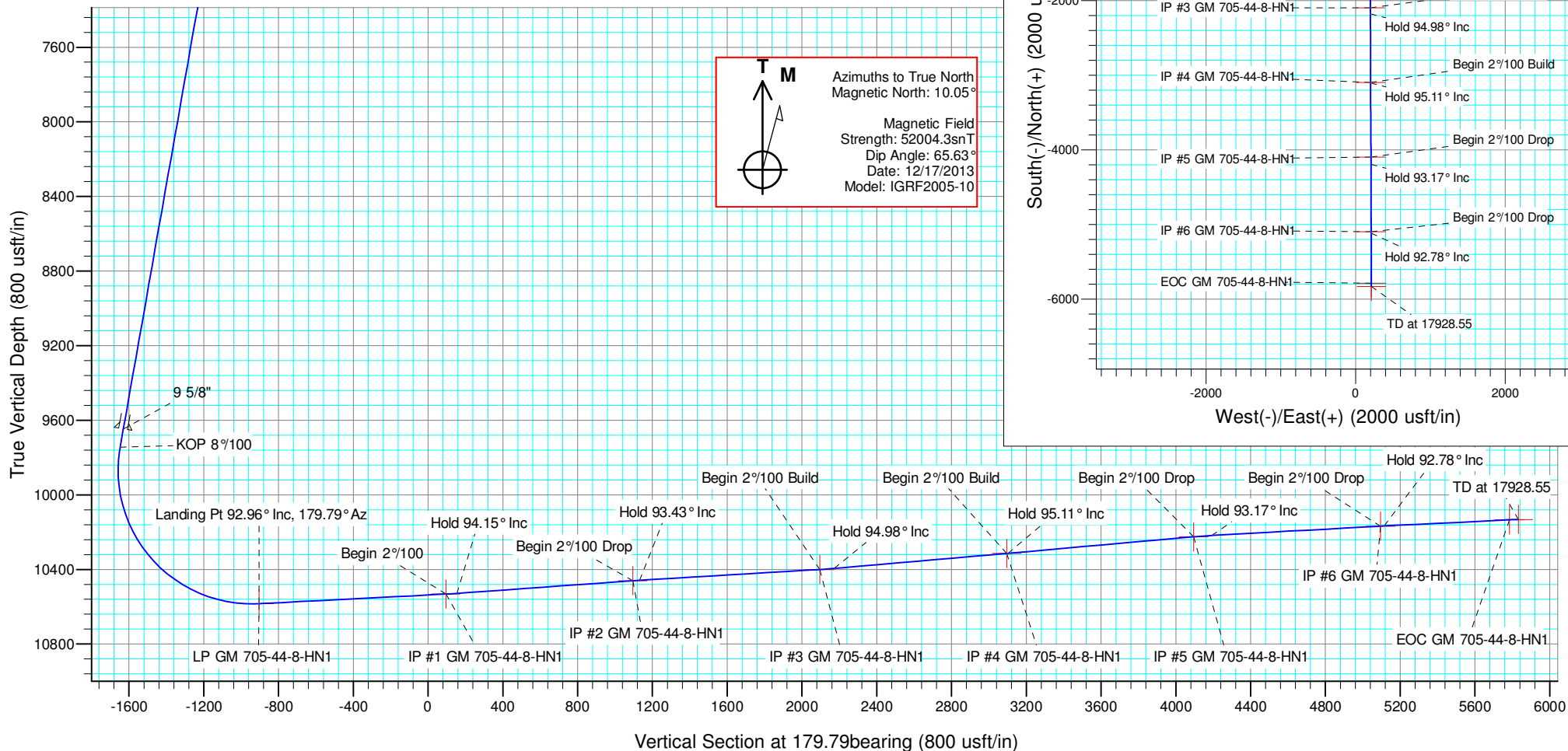


Well Name: GM 705-44-8-HN1
Surface Location: MV 34-5 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5977.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1603573.65000 2258847.05000 39.46118 -108.12540 B13
KELLY BUSHING @ 6010.00usft

Project: GV 05-07S-096W
Site: MV 34-5 Pad
Well: GM 705-44-8-HN1
Plan #3 17Jul14 kjs

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
618.42	620.97	10.02	5.85	43.46	4.45	-43.45	43.69	Hold 10.02° Inc, 5.85° Az
9745.33	9889.23	10.02	5.85	1647.57	168.70	-1646.94	1656.18	KOP 8°/100
10584.32	11175.75	92.96	179.79	905.27	187.93	-904.57	2421.81	Landing Pt 92.96° Inc, 179.79° Az
10532.62	12177.13	92.96	179.79	-94.77	191.61	95.47	3421.86	Begin 2°/100
10528.93	12236.65	94.15	179.79	-154.18	191.83	154.88	3481.27	Hold 94.15° Inc
10460.68	13179.76	94.15	179.79	-1094.80	195.29	1095.51	4421.90	Begin 2°/100 Drop
10458.29	13215.92	93.43	179.79	-1130.89	195.43	1131.59	4457.98	Hold 93.43° Inc
10400.57	14181.62	93.43	179.79	-2094.85	198.97	2095.56	5421.95	Begin 2°/100 Build
10394.89	14259.18	94.98	179.79	-2172.20	199.26	2172.91	5499.30	Hold 94.98° Inc
10314.52	15185.36	94.98	179.79	-3094.88	202.66	3095.61	6421.99	Begin 2°/100 Build
10313.93	15192.08	95.11	179.79	-3101.58	202.68	3102.30	6428.69	Hold 95.11° Inc
10225.06	16189.40	95.11	179.79	-4094.92	206.33	4095.65	7422.04	Begin 2°/100 Drop
10218.05	16286.47	93.17	179.79	-4191.73	206.69	4192.46	7518.84	Hold 93.17° Inc
10168.01	17191.09	93.17	179.79	-5094.96	210.01	5095.69	8422.08	Begin 2°/100 Drop
10166.99	17210.69	92.78	179.79	-5114.54	210.08	5115.27	8441.66	Hold 92.78° Inc
10132.19	17928.55	92.78	179.79	-5831.55	212.73	5832.29	9158.68	TD at 17928.55





PICEANCE VLY NAD 83

GV 05-07S-096W

MV 34-5 Pad

GM 705-44-8-HN1 - Slot B13

Wellbore #1

Plan: Plan #3 17Jul14 kjs

Standard Plan - Geographic with VS

17 July, 2014



WPX

Standard Plan - Geographic with VS

Company:	PICEANCE VLY NAD 83	Local Co-ordinate Reference:	Well GM 705-44-8-HN1 - Slot B13
Project:	GV 05-07S-096W	TVD Reference:	KELLY BUSHING @ 6010.00usft
Site:	MV 34-5 Pad	MD Reference:	KELLY BUSHING @ 6010.00usft
Well:	GM 705-44-8-HN1	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 17Jul14 kjs	Database:	COMPASS-PICEANCE

Project	GV 05-07S-096W, Garfield County, CO, 05-07S-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	MV 34-5 Pad		
Site Position:		Northing:	1,603,540.12600 usft
From:	Map	Easting:	2,258,825.25200 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	39.46108
		Longitude:	-108.12548
		Grid Convergence:	-1.66 °

Well	GM 705-44-8-HN1 - Slot B13					
Well Position	+N/-S	0.00 usft	Northing:	1,603,573.65000 usft	Latitude:	39.46118
	+E/-W	0.00 usft	Easting:	2,258,847.05000 usft	Longitude:	-108.12540
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,977.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/17/2013	10.05	65.63	52,004

Design	Plan #3 17Jul14 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	179.79

Survey Tool Program	Date	7/17/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,928.55	Plan #3 17Jul14 kjs (Wellbore #1)	MWD	MWD - Standard



WPX
Standard Plan - Geographic with VS

Company:	PICEANCE VLY NAD 83	Local Co-ordinate Reference:	Well GM 705-44-8-HN1 - Slot B13
Project:	GV 05-07S-096W	TVD Reference:	KELLY BUSHING @ 6010.00usft
Site:	MV 34-5 Pad	MD Reference:	KELLY BUSHING @ 6010.00usft
Well:	GM 705-44-8-HN1	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 17Jul14 kjs	Database:	COMPASS-PICEANCE

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,603,573.65000	2,258,847.05000	39.46	-108.13	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	1,603,573.65000	2,258,847.05000	39.46	-108.13	
Start Build 2.00											
200.00	1.60	5.85	199.99	1.11	0.11	-1.11	1,603,574.75733	2,258,847.19582	39.46	-108.13	
400.00	5.60	5.85	399.55	13.60	1.39	-13.60	1,603,587.20486	2,258,848.83500	39.46	-108.13	
600.00	9.60	5.85	597.76	39.91	4.09	-39.89	1,603,613.42323	2,258,852.28764	39.46	-108.13	
620.97	10.02	5.85	618.42	43.46	4.45	-43.45	1,603,616.96448	2,258,852.75397	39.46	-108.13	
Hold 10.02° Inc, 5.85° Az											
800.00	10.02	5.85	794.72	74.45	7.62	-74.42	1,603,647.84494	2,258,856.82054	39.46	-108.13	
1,000.00	10.02	5.85	991.67	109.06	11.17	-109.02	1,603,682.34157	2,258,861.36332	39.46	-108.13	
1,200.00	10.02	5.85	1,188.62	143.68	14.71	-143.62	1,603,716.83821	2,258,865.90609	39.46	-108.13	
1,400.00	10.02	5.85	1,385.57	178.29	18.26	-178.23	1,603,751.33484	2,258,870.44887	39.46	-108.13	
1,600.00	10.02	5.85	1,582.52	212.91	21.80	-212.83	1,603,785.83147	2,258,874.99164	39.46	-108.13	
1,800.00	10.02	5.85	1,779.47	247.52	25.34	-247.43	1,603,820.32811	2,258,879.53441	39.46	-108.13	
2,000.00	10.02	5.85	1,976.42	282.14	28.89	-282.03	1,603,854.82474	2,258,884.07719	39.46	-108.13	
2,200.00	10.02	5.85	2,173.37	316.75	32.43	-316.63	1,603,889.32137	2,258,888.61996	39.46	-108.13	
2,400.00	10.02	5.85	2,370.32	351.37	35.98	-351.24	1,603,923.81801	2,258,893.16274	39.46	-108.13	
2,600.00	10.02	5.85	2,567.27	385.98	39.52	-385.84	1,603,958.31464	2,258,897.70551	39.46	-108.13	
2,709.40	10.02	5.85	2,675.00	404.92	41.46	-404.76	1,603,977.18424	2,258,900.19040	39.46	-108.13	
13 3/8"											
2,800.00	10.02	5.85	2,764.22	420.60	43.07	-420.44	1,603,992.81127	2,258,902.24828	39.46	-108.13	
3,000.00	10.02	5.85	2,961.17	455.21	46.61	-455.04	1,604,027.30791	2,258,906.79106	39.46	-108.13	
3,200.00	10.02	5.85	3,158.12	489.83	50.15	-489.64	1,604,061.80454	2,258,911.33383	39.46	-108.13	
3,400.00	10.02	5.85	3,355.07	524.44	53.70	-524.24	1,604,096.30117	2,258,915.87661	39.46	-108.13	
3,600.00	10.02	5.85	3,552.02	559.06	57.24	-558.85	1,604,130.79780	2,258,920.41938	39.46	-108.13	
3,800.00	10.02	5.85	3,748.97	593.68	60.79	-593.45	1,604,165.29444	2,258,924.96216	39.46	-108.13	
4,000.00	10.02	5.85	3,945.92	628.29	64.33	-628.05	1,604,199.79107	2,258,929.50493	39.46	-108.13	
4,200.00	10.02	5.85	4,142.87	662.91	67.88	-662.65	1,604,234.28770	2,258,934.04770	39.46	-108.13	



WPX
Standard Plan - Geographic with VS

Company:	PICEANCE VLY NAD 83	Local Co-ordinate Reference:	Well GM 705-44-8-HN1 - Slot B13
Project:	GV 05-07S-096W	TVD Reference:	KELLY BUSHING @ 6010.00usft
Site:	MV 34-5 Pad	MD Reference:	KELLY BUSHING @ 6010.00usft
Well:	GM 705-44-8-HN1	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 17Jul14 kjs	Database:	COMPASS-PICEANCE

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)	
4,400.00	10.02	5.85	4,339.82	697.52	71.42	-697.25	1,604,268.78434	2,258,938.59048	39.46	-108.13	
4,600.00	10.02	5.85	4,536.77	732.14	74.96	-731.86	1,604,303.28097	2,258,943.13325	39.46	-108.13	
4,800.00	10.02	5.85	4,733.72	766.75	78.51	-766.46	1,604,337.77760	2,258,947.67603	39.46	-108.13	
5,000.00	10.02	5.85	4,930.67	801.37	82.05	-801.06	1,604,372.27424	2,258,952.21880	39.46	-108.13	
5,200.00	10.02	5.85	5,127.62	835.98	85.60	-835.66	1,604,406.77087	2,258,956.76157	39.46	-108.13	
5,400.00	10.02	5.85	5,324.57	870.60	89.14	-870.26	1,604,441.26750	2,258,961.30435	39.46	-108.13	
5,600.00	10.02	5.85	5,521.52	905.21	92.68	-904.86	1,604,475.76414	2,258,965.84712	39.46	-108.13	
5,800.00	10.02	5.85	5,718.47	939.83	96.23	-939.47	1,604,510.26077	2,258,970.38990	39.46	-108.13	
6,000.00	10.02	5.85	5,915.42	974.44	99.77	-974.07	1,604,544.75740	2,258,974.93267	39.46	-108.13	
6,200.00	10.02	5.85	6,112.37	1,009.06	103.32	-1,008.67	1,604,579.25404	2,258,979.47544	39.46	-108.13	
6,400.00	10.02	5.85	6,309.32	1,043.67	106.86	-1,043.27	1,604,613.75067	2,258,984.01822	39.46	-108.13	
6,600.00	10.02	5.85	6,506.27	1,078.29	110.41	-1,077.87	1,604,648.24730	2,258,988.56099	39.46	-108.13	
6,800.00	10.02	5.85	6,703.22	1,112.90	113.95	-1,112.48	1,604,682.74394	2,258,993.10377	39.46	-108.12	
7,000.00	10.02	5.85	6,900.17	1,147.52	117.49	-1,147.08	1,604,717.24057	2,258,997.64654	39.46	-108.12	
7,200.00	10.02	5.85	7,097.12	1,182.13	121.04	-1,181.68	1,604,751.73720	2,259,002.18932	39.46	-108.12	
7,400.00	10.02	5.85	7,294.06	1,216.75	124.58	-1,216.28	1,604,786.23384	2,259,006.73209	39.46	-108.12	
7,600.00	10.02	5.85	7,491.01	1,251.36	128.13	-1,250.88	1,604,820.73047	2,259,011.27486	39.46	-108.12	
7,800.00	10.02	5.85	7,687.96	1,285.98	131.67	-1,285.48	1,604,855.22710	2,259,015.81764	39.46	-108.12	
8,000.00	10.02	5.85	7,884.91	1,320.59	135.22	-1,320.09	1,604,889.72374	2,259,020.36041	39.46	-108.12	
8,200.00	10.02	5.85	8,081.86	1,355.21	138.76	-1,354.69	1,604,924.22037	2,259,024.90319	39.46	-108.12	
8,400.00	10.02	5.85	8,278.81	1,389.82	142.30	-1,389.29	1,604,958.71700	2,259,029.44596	39.46	-108.12	
8,600.00	10.02	5.85	8,475.76	1,424.44	145.85	-1,423.89	1,604,993.21364	2,259,033.98873	39.47	-108.12	
8,800.00	10.02	5.85	8,672.71	1,459.05	149.39	-1,458.49	1,605,027.71027	2,259,038.53151	39.47	-108.12	
9,000.00	10.02	5.85	8,869.66	1,493.67	152.94	-1,493.10	1,605,062.20690	2,259,043.07428	39.47	-108.12	
9,200.00	10.02	5.85	9,066.61	1,528.28	156.48	-1,527.70	1,605,096.70353	2,259,047.61706	39.47	-108.12	
9,400.00	10.02	5.85	9,263.56	1,562.90	160.03	-1,562.30	1,605,131.20017	2,259,052.15983	39.47	-108.12	
9,600.00	10.02	5.85	9,460.51	1,597.51	163.57	-1,596.90	1,605,165.69680	2,259,056.70261	39.47	-108.12	



WPX
Standard Plan - Geographic with VS

Company:	PICEANCE VLY NAD 83	Local Co-ordinate Reference:	Well GM 705-44-8-HN1 - Slot B13
Project:	GV 05-07S-096W	TVD Reference:	KELLY BUSHING @ 6010.00usft
Site:	MV 34-5 Pad	MD Reference:	KELLY BUSHING @ 6010.00usft
Well:	GM 705-44-8-HN1	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 17Jul14 kjs	Database:	COMPASS-PICEANCE

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)	
9,789.23	10.02	5.85	9,646.86	1,630.26	166.92	-1,629.64	1,605,198.33579	2,259,061.00075	39.47	-108.12	
9 5/8"											
9,800.00	10.02	5.85	9,657.46	1,632.13	167.11	-1,631.50	1,605,200.19343	2,259,061.24538	39.47	-108.12	
9,889.23	10.02	5.85	9,745.33	1,647.57	168.70	-1,646.94	1,605,215.58394	2,259,063.27212	39.47	-108.12	
KOP 8°/100											
10,000.00	1.54	44.14	9,855.46	1,658.24	170.72	-1,657.61	1,605,226.19589	2,259,065.60178	39.47	-108.12	
10,200.00	14.94	175.69	10,053.33	1,634.31	174.55	-1,633.66	1,605,202.16465	2,259,068.74232	39.47	-108.12	
10,400.00	30.92	177.93	10,236.94	1,556.76	178.37	-1,556.09	1,605,124.53525	2,259,070.31440	39.47	-108.12	
10,600.00	46.91	178.73	10,392.05	1,431.59	181.87	-1,430.91	1,604,999.32216	2,259,070.19623	39.47	-108.12	
10,800.00	62.91	179.18	10,506.66	1,268.50	184.78	-1,267.82	1,604,836.22646	2,259,068.39697	39.46	-108.12	
11,000.00	78.90	179.52	10,571.88	1,080.13	186.88	-1,079.44	1,604,647.88424	2,259,065.05600	39.46	-108.12	
11,175.75	92.96	179.79	10,584.32	905.27	187.93	-904.57	1,604,473.07000	2,259,061.05000	39.46	-108.12	
Landing Pt 92.96° Inc, 179.79° Az - LP GM 705-44-8-HN1											
11,200.00	92.96	179.79	10,583.07	881.05	188.02	-880.36	1,604,448.86163	2,259,060.43927	39.46	-108.12	
11,400.00	92.96	179.79	10,572.74	681.32	188.75	-680.62	1,604,249.20076	2,259,055.40221	39.46	-108.12	
11,600.00	92.96	179.79	10,562.42	481.59	189.49	-480.89	1,604,049.53988	2,259,050.36515	39.46	-108.12	
11,800.00	92.96	179.79	10,552.09	281.86	190.22	-281.16	1,603,849.87900	2,259,045.32809	39.46	-108.12	
12,000.00	92.96	179.79	10,541.76	82.12	190.96	-81.42	1,603,650.21813	2,259,040.29103	39.46	-108.12	
12,177.13	92.96	179.79	10,532.62	-94.77	191.61	95.47	1,603,473.39000	2,259,035.83000	39.46	-108.12	
Begin 2°/100 - IP #1 GM 705-44-8-HN1											
12,200.00	93.42	179.79	10,531.35	-117.60	191.69	118.31	1,603,450.56220	2,259,035.25414	39.46	-108.12	
12,236.65	94.15	179.79	10,528.93	-154.18	191.83	154.88	1,603,414.00193	2,259,034.33206	39.46	-108.12	
Hold 94.15° Inc											
12,400.00	94.15	179.79	10,517.11	-317.09	192.43	317.80	1,603,251.14287	2,259,030.22512	39.46	-108.12	
12,600.00	94.15	179.79	10,502.64	-516.57	193.16	517.27	1,603,051.73950	2,259,025.19661	39.46	-108.12	
12,800.00	94.15	179.79	10,488.16	-716.04	193.90	716.75	1,602,852.33613	2,259,020.16810	39.46	-108.12	
13,000.00	94.15	179.79	10,473.69	-915.52	194.63	916.22	1,602,652.93275	2,259,015.13960	39.46	-108.12	



WPX
Standard Plan - Geographic with VS

Company:	PICEANCE VLY NAD 83	Local Co-ordinate Reference:	Well GM 705-44-8-HN1 - Slot B13
Project:	GV 05-07S-096W	TVD Reference:	KELLY BUSHING @ 6010.00usft
Site:	MV 34-5 Pad	MD Reference:	KELLY BUSHING @ 6010.00usft
Well:	GM 705-44-8-HN1	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 17Jul14 kjs	Database:	COMPASS-PICEANCE

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)
13,179.76	94.15	179.79	10,460.68	-1,094.80	195.29	1,095.51	1,602,473.71000	2,259,010.62000	39.46	-108.12
Begin 2°/100 Drop - IP #2 GM 705-44-8-HN1										
13,200.00	93.75	179.79	10,459.29	-1,115.00	195.37	1,115.70	1,602,453.52438	2,259,010.11091	39.46	-108.12
13,215.92	93.43	179.79	10,458.29	-1,130.89	195.43	1,131.59	1,602,437.63942	2,259,009.71020	39.46	-108.12
Hold 93.43° Inc										
13,400.00	93.43	179.79	10,447.29	-1,314.63	196.10	1,315.34	1,602,253.95704	2,259,005.07626	39.46	-108.12
13,600.00	93.43	179.79	10,435.33	-1,514.28	196.84	1,514.99	1,602,054.38698	2,259,000.04150	39.46	-108.12
13,800.00	93.43	179.79	10,423.38	-1,713.92	197.57	1,714.63	1,601,854.81691	2,258,995.00675	39.46	-108.12
14,000.00	93.43	179.79	10,411.43	-1,913.56	198.30	1,914.27	1,601,655.24685	2,258,989.97199	39.46	-108.12
14,181.62	93.43	179.79	10,400.57	-2,094.85	198.97	2,095.56	1,601,474.02000	2,258,985.40000	39.46	-108.12
Begin 2°/100 Build - IP #3 GM 705-44-8-HN1										
14,200.00	93.79	179.79	10,399.41	-2,113.19	199.04	2,113.91	1,601,455.68044	2,258,984.93735	39.46	-108.12
14,259.18	94.98	179.79	10,394.89	-2,172.20	199.26	2,172.91	1,601,396.69719	2,258,983.44970	39.46	-108.12
Hold 94.98° Inc										
14,400.00	94.98	179.79	10,382.67	-2,312.49	199.77	2,313.20	1,601,256.45814	2,258,979.91320	39.45	-108.12
14,600.00	94.98	179.79	10,365.31	-2,511.73	200.51	2,512.45	1,601,057.28465	2,258,974.89051	39.45	-108.12
14,800.00	94.98	179.79	10,347.96	-2,710.98	201.24	2,711.70	1,600,858.11117	2,258,969.86781	39.45	-108.12
15,000.00	94.98	179.79	10,330.60	-2,910.22	201.98	2,910.94	1,600,658.93769	2,258,964.84512	39.45	-108.12
15,185.36	94.98	179.79	10,314.52	-3,094.88	202.66	3,095.61	1,600,474.34000	2,258,960.19000	39.45	-108.12
Begin 2°/100 Build - IP #4 GM 705-44-8-HN1										
15,192.08	95.11	179.79	10,313.93	-3,101.58	202.68	3,102.30	1,600,467.64863	2,258,960.02122	39.45	-108.12
Hold 95.11° Inc										
15,200.00	95.11	179.79	10,313.22	-3,109.46	202.71	3,110.18	1,600,459.76653	2,258,959.82237	39.45	-108.12
15,400.00	95.11	179.79	10,295.40	-3,308.67	203.44	3,309.39	1,600,260.63434	2,258,954.79865	39.45	-108.12
15,600.00	95.11	179.79	10,277.58	-3,507.87	204.18	3,508.59	1,600,061.50215	2,258,949.77492	39.45	-108.12
15,800.00	95.11	179.79	10,259.76	-3,707.07	204.91	3,707.80	1,599,862.36996	2,258,944.75119	39.45	-108.12
16,000.00	95.11	179.79	10,241.94	-3,906.27	205.64	3,907.00	1,599,663.23777	2,258,939.72746	39.45	-108.12



WPX
Standard Plan - Geographic with VS

Company:	PICEANCE VLY NAD 83	Local Co-ordinate Reference:	Well GM 705-44-8-HN1 - Slot B13
Project:	GV 05-07S-096W	TVD Reference:	KELLY BUSHING @ 6010.00usft
Site:	MV 34-5 Pad	MD Reference:	KELLY BUSHING @ 6010.00usft
Well:	GM 705-44-8-HN1	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 17Jul14 kjs	Database:	COMPASS-PICEANCE

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)	
16,189.40	95.11	179.79	10,225.06	-4,094.92	206.33	4,095.65	1,599,474.66000	2,258,934.97000	39.45	-108.12	
Begin 2°/100 Drop - IP #5 GM 705-44-8-HN1											
16,200.00	94.90	179.79	10,224.13	-4,105.48	206.37	4,106.21	1,599,464.10386	2,258,934.70369	39.45	-108.12	
16,286.47	93.17	179.79	10,218.05	-4,191.73	206.69	4,192.46	1,599,377.88763	2,258,932.52862	39.45	-108.12	
Hold 93.17° Inc											
16,400.00	93.17	179.79	10,211.77	-4,305.09	207.11	4,305.82	1,599,264.56771	2,258,929.66977	39.45	-108.12	
16,600.00	93.17	179.79	10,200.71	-4,504.78	207.84	4,505.51	1,599,064.94630	2,258,924.63371	39.45	-108.12	
16,800.00	93.17	179.79	10,189.64	-4,704.47	208.58	4,705.20	1,598,865.32490	2,258,919.59765	39.45	-108.12	
17,000.00	93.17	179.79	10,178.58	-4,904.16	209.31	4,904.90	1,598,665.70350	2,258,914.56159	39.45	-108.12	
17,191.09	93.17	179.79	10,168.01	-5,094.96	210.01	5,095.69	1,598,474.98000	2,258,909.75000	39.45	-108.12	
Begin 2°/100 Drop - IP #6 GM 705-44-8-HN1											
17,200.00	92.99	179.79	10,167.53	-5,103.86	210.04	5,104.59	1,598,466.08135	2,258,909.52552	39.45	-108.12	
17,210.69	92.78	179.79	10,166.99	-5,114.54	210.08	5,115.27	1,598,455.40539	2,258,909.25625	39.45	-108.12	
Hold 92.78° Inc											
17,400.00	92.78	179.79	10,157.81	-5,303.62	210.78	5,304.36	1,598,266.38988	2,258,904.48937	39.45	-108.12	
17,600.00	92.78	179.79	10,148.12	-5,503.38	211.52	5,504.12	1,598,066.69741	2,258,899.45321	39.45	-108.12	
17,800.00	92.78	179.79	10,138.42	-5,703.15	212.25	5,703.89	1,597,867.00495	2,258,894.41706	39.45	-108.12	
17,881.03	92.78	179.79	10,134.49	-5,784.08	212.55	5,784.82	1,597,786.09989	2,258,892.37667	39.45	-108.12	
EOC GM 705-44-8-HN1											
17,928.55	92.78	179.79	10,132.19	-5,831.55	212.73	5,832.29	1,597,738.65000	2,258,891.18000	39.45	-108.12	
TD at 17928.55 - TD / PBHL GM 705-44-8-HN1											

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,709.40	2,675.00	13 3/8"	13.375	17.500	
9,789.23	9,646.86	9 5/8"	9.625	13.500	



WPX

Standard Plan - Geographic with VS

Company: PICEANCE VLY NAD 83
Project: GV 05-07S-096W
Site: MV 34-5 Pad
Well: GM 705-44-8-HN1
Wellbore: Wellbore #1
Design: Plan #3 17Jul14 kjs

Local Co-ordinate Reference: Well GM 705-44-8-HN1 - Slot B13
TVD Reference: KELLY BUSHING @ 6010.00usft
MD Reference: KELLY BUSHING @ 6010.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: COMPASS-PICEANCE

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
120.00	120.00	0.00	0.00	Start Build 2.00
620.97	618.42	43.46	4.45	Hold 10.02° Inc, 5.85° Az
9,889.23	9,745.33	1,647.57	168.70	KOP 8°/100
11,175.75	10,584.32	905.27	187.93	Landing Pt 92.96° Inc, 179.79° Az
12,177.13	10,532.62	-94.77	191.61	Begin 2°/100
12,236.65	10,528.93	-154.18	191.83	Hold 94.15° Inc
13,179.76	10,460.68	-1,094.80	195.29	Begin 2°/100 Drop
13,215.92	10,458.29	-1,130.89	195.43	Hold 93.43° Inc
14,181.62	10,400.57	-2,094.85	198.97	Begin 2°/100 Build
14,259.18	10,394.89	-2,172.20	199.26	Hold 94.98° Inc
15,185.36	10,314.52	-3,094.88	202.66	Begin 2°/100 Build
15,192.08	10,313.93	-3,101.58	202.68	Hold 95.11° Inc
16,189.40	10,225.06	-4,094.92	206.33	Begin 2°/100 Drop
16,286.47	10,218.05	-4,191.73	206.69	Hold 93.17° Inc
17,191.09	10,168.01	-5,094.96	210.01	Begin 2°/100 Drop
17,210.69	10,166.99	-5,114.54	210.08	Hold 92.78° Inc
17,928.55	10,132.19	-5,831.55	212.73	TD at 17928.55

Checked By: _____ Approved By: _____ Date: _____