



# CARRIZO OIL & GAS, INC.

Field: Niobrara CONZ'83  
Site: Gaffney 2-29-8-61 Pad  
Well: 2-29-8-61  
Wellpath: Original Hole  
Plan: Plan #4

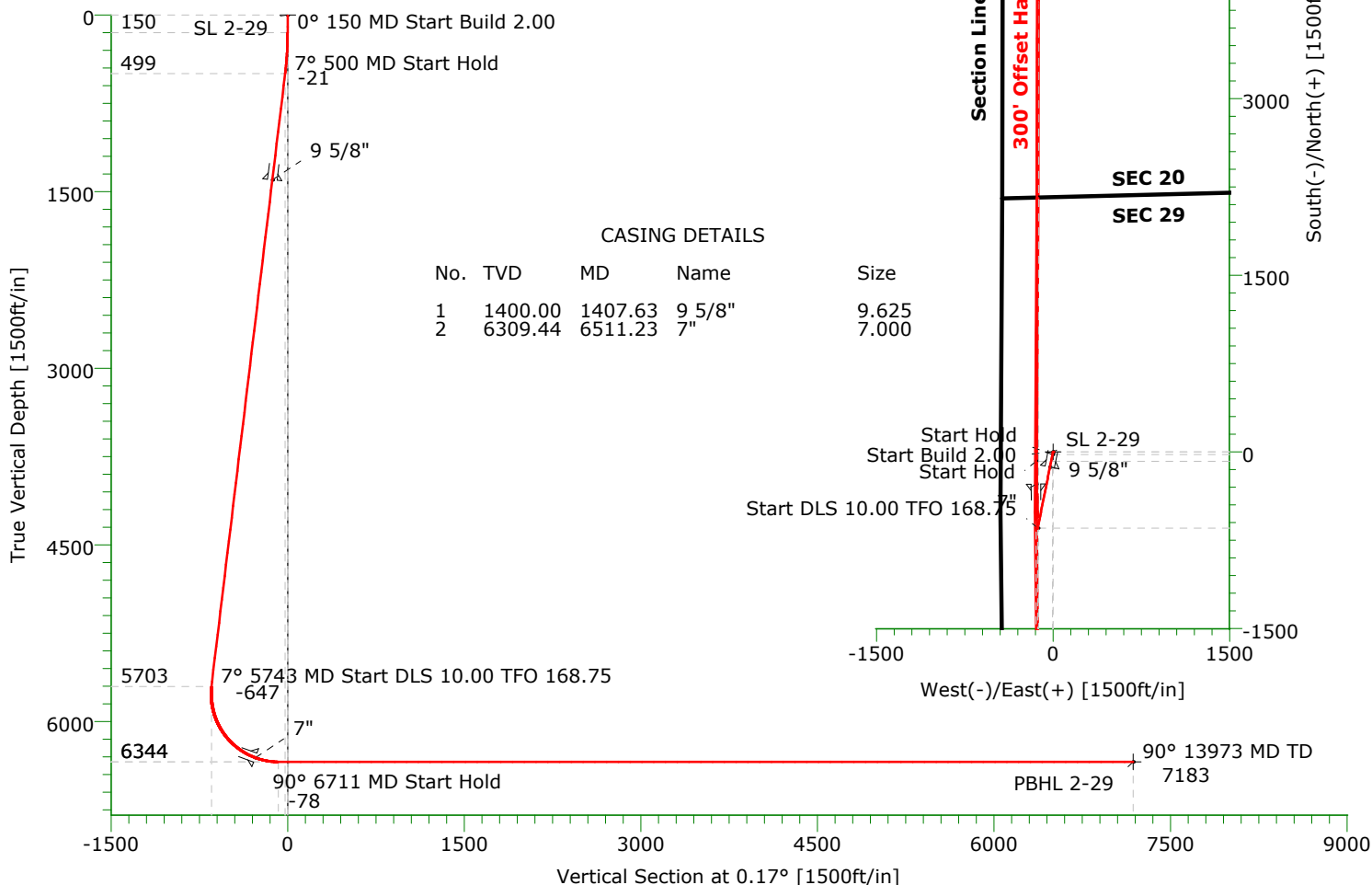


Azimuths to Grid North  
True North:  $-0.82^{\circ}$   
Magnetic North:  $7.46^{\circ}$

Magnetic Field  
Strength: 53094nT  
Dip Angle:  $67.24^{\circ}$   
Date: 11/10/2013  
Model: IGRF2010

## SLOTS

No.	+N/-S	+E/-W	Name
1	0.00	0.00	2-29
2	0.00	15.00	4-29



## TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SL 2-29	0.00	0.00	0.00	1476226.52	3350181.47	40°38'01.649N	104°14'17.855W	Point
PBHL 2-29	6344.00	7183.72	-121.63	1483410.24	3350059.84	40°39'12.644N	104°14'18.107W	Point

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	191.37	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	191.37	150.00	0.00	0.00	0.00	191.37	0.00	
3	499.76	7.00	191.34	498.89	-20.91	-4.19	2.00	0.00	-20.92	
4	5742.66	7.00	191.34	5702.77	-646.95	-129.79	0.00	0.00	-647.33	
5	6711.28	90.00	0.17	6344.00	-78.05	-143.34	10.00	168.75	-78.47	
6	13973.08	90.00	0.17	6344.00	7183.72	-121.63	0.00	0.00	7183.33	PBHL 2-29

# Precision Directional Services, Inc.

## Planning Report

<b>Company:</b> CARRIZO OIL & GAS, INC.		<b>Date:</b> 10/09/2013	<b>Time:</b> 11:21:29	<b>Page:</b> 1
<b>Field:</b> Niobrara CONZ'83		<b>Co-ordinate(NE) Reference:</b> Well: 2-29-8-61, Grid North		
<b>Site:</b> Gaffney 2-29-8-61 Pad		<b>Vertical (TVD) Reference:</b> 4991'GL+17'KB 5008.0		
<b>Well:</b> 2-29-8-61		<b>Section (VS) Reference:</b> Well (0.00N,0.00E,0.17Azi)		
<b>Wellpath:</b> Original Hole		<b>Plan:</b> Plan #4		

<b>Field:</b> Niobrara CONZ'83				
<b>Map System:</b> US State Plane Coordinate System 1983		<b>Map Zone:</b> Colorado, Northern Zone		
<b>Geo Datum:</b> GRS 1980		<b>Coordinate System:</b> Well Centre		
<b>Sys Datum:</b> Mean Sea Level		<b>Geomagnetic Model:</b> IGRF2010		

<b>Site:</b> Gaffney 2-29-8-61 Pad				
<b>Weld County, CO</b>				
<b>Site Position:</b>	<b>Northing:</b> 1476226.52 ft	<b>Latitude:</b> 40 38 1.649 N		
<b>From:</b> Map	<b>Easting:</b> 3350181.47 ft	<b>Longitude:</b> 104 14 17.855 W		
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> Grid		
<b>Ground Level:</b> 4983.00 ft		<b>Grid Convergence:</b> 0.82 deg		

<b>Well:</b> 2-29-8-61		<b>Slot Name:</b> 2-29		
2164FNL,443'FWL				
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 1476226.52 ft	<b>Latitude:</b> 40 38 1.649 N		
+E/-W 0.00 ft	<b>Easting:</b> 3350181.47 ft	<b>Longitude:</b> 104 14 17.855 W		
<b>Position Uncertainty:</b> 0.00 ft				

<b>Wellpath:</b> Original Hole		<b>Drilled From:</b> Surface	
<b>Current Datum:</b> 4991'GL+17'KB	<b>Height</b> 5008.00 ft	<b>Tie-on Depth:</b> 0.00 ft	
<b>Magnetic Data:</b> 11/10/2013		<b>Above System Datum:</b> Mean Sea Level	
<b>Field Strength:</b> 53094 nT		<b>Declination:</b> 8.27 deg	
<b>Vertical Section:</b> Depth From (TVD)	+N/-S	<b>Mag Dip Angle:</b> 67.24 deg	
ft	ft	<b>+E/-W</b>	<b>Direction</b>
		ft	deg
0.00	0.00	0.00	0.17

<b>Plan:</b> Plan #4		<b>Date Composed:</b> 10/09/2013	
Changed SL		<b>Version:</b> 1	
<b>Principal:</b> No		<b>Tied-to:</b> From Surface	

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	191.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	191.37	150.00	0.00	0.00	0.00	0.00	0.00	191.37	
499.76	7.00	191.34	498.89	-20.91	-4.19	2.00	2.00	0.00	0.00	
5742.66	7.00	191.34	5702.77	-646.95	-129.79	0.00	0.00	0.00	0.00	
6711.28	90.00	0.17	6344.00	-78.05	-143.34	10.00	8.57	17.43	168.75	
13973.08	90.00	0.17	6344.00	7183.72	-121.63	0.00	0.00	0.00	0.00	PBHL 2-29

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	191.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	191.37	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	191.37	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	1.00	191.34	200.00	-0.43	-0.09	-0.43	2.00	2.00	0.00	
300.00	3.00	191.34	299.93	-3.85	-0.77	-3.85	2.00	2.00	0.00	
400.00	5.00	191.34	399.68	-10.69	-2.14	-10.69	2.00	2.00	0.00	
499.76	7.00	191.34	498.89	-20.91	-4.19	-20.92	2.00	2.00	0.00	
600.00	7.00	191.34	598.39	-32.88	-6.60	-32.90	0.00	0.00	0.00	
700.00	7.00	191.34	697.64	-44.82	-8.99	-44.84	0.00	0.00	0.00	
800.00	7.00	191.34	796.90	-56.76	-11.39	-56.79	0.00	0.00	0.00	
900.00	7.00	191.34	896.15	-68.70	-13.78	-68.74	0.00	0.00	0.00	
1000.00	7.00	191.34	995.41	-80.64	-16.18	-80.69	0.00	0.00	0.00	
1100.00	7.00	191.34	1094.66	-92.58	-18.57	-92.64	0.00	0.00	0.00	
1200.00	7.00	191.34	1193.92	-104.52	-20.97	-104.58	0.00	0.00	0.00	
1300.00	7.00	191.34	1293.18	-116.46	-23.37	-116.53	0.00	0.00	0.00	

# Precision Directional Services, Inc.

## Planning Report

**Company:** CARRIZO OIL & GAS, INC.  
**Field:** Niobrara CONZ'83  
**Site:** Gaffney 2-29-8-61 Pad  
**Well:** 2-29-8-61  
**Wellpath:** Original Hole

**Date:** 10/09/2013  
**Co-ordinate(NE) Reference:** Well: 2-29-8-61, Grid North  
**Vertical (TVD) Reference:** 4991'GL+17'KB 5008.0  
**Section (VS) Reference:** Well (0.00N,0.00E,0.17Azi)  
**Plan:** Plan #4

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### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1400.00	7.00	191.34	1392.43	-128.40	-25.76	-128.48	0.00	0.00	0.00	9 5/8"
1407.63	7.00	191.34	1400.00	-129.31	-25.94	-129.39	0.00	0.00	0.00	
1500.00	7.00	191.34	1491.69	-140.34	-28.16	-140.43	0.00	0.00	0.00	
1600.00	7.00	191.34	1590.94	-152.28	-30.55	-152.37	0.00	0.00	0.00	
1700.00	7.00	191.34	1690.20	-164.22	-32.95	-164.32	0.00	0.00	0.00	
1800.00	7.00	191.34	1789.45	-176.17	-35.34	-176.27	0.00	0.00	0.00	
1900.00	7.00	191.34	1888.71	-188.11	-37.74	-188.22	0.00	0.00	0.00	
2000.00	7.00	191.34	1987.96	-200.05	-40.13	-200.17	0.00	0.00	0.00	
2100.00	7.00	191.34	2087.22	-211.99	-42.53	-212.11	0.00	0.00	0.00	
2200.00	7.00	191.34	2186.48	-223.93	-44.93	-224.06	0.00	0.00	0.00	
2300.00	7.00	191.34	2285.73	-235.87	-47.32	-236.01	0.00	0.00	0.00	
2400.00	7.00	191.34	2384.99	-247.81	-49.72	-247.96	0.00	0.00	0.00	
2500.00	7.00	191.34	2484.24	-259.75	-52.11	-259.90	0.00	0.00	0.00	
2600.00	7.00	191.34	2583.50	-271.69	-54.51	-271.85	0.00	0.00	0.00	
2700.00	7.00	191.34	2682.75	-283.63	-56.90	-283.80	0.00	0.00	0.00	
2800.00	7.00	191.34	2782.01	-295.57	-59.30	-295.75	0.00	0.00	0.00	
2900.00	7.00	191.34	2881.27	-307.51	-61.70	-307.69	0.00	0.00	0.00	
3000.00	7.00	191.34	2980.52	-319.45	-64.09	-319.64	0.00	0.00	0.00	
3100.00	7.00	191.34	3079.78	-331.39	-66.49	-331.59	0.00	0.00	0.00	
3200.00	7.00	191.34	3179.03	-343.34	-68.88	-343.54	0.00	0.00	0.00	
3300.00	7.00	191.34	3278.29	-355.28	-71.28	-355.49	0.00	0.00	0.00	
3400.00	7.00	191.34	3377.54	-367.22	-73.67	-367.43	0.00	0.00	0.00	
3500.00	7.00	191.34	3476.80	-379.16	-76.07	-379.38	0.00	0.00	0.00	
3600.00	7.00	191.34	3576.05	-391.10	-78.46	-391.33	0.00	0.00	0.00	
3700.00	7.00	191.34	3675.31	-403.04	-80.86	-403.28	0.00	0.00	0.00	
3800.00	7.00	191.34	3774.57	-414.98	-83.26	-415.22	0.00	0.00	0.00	
3900.00	7.00	191.34	3873.82	-426.92	-85.65	-427.17	0.00	0.00	0.00	
4000.00	7.00	191.34	3973.08	-438.86	-88.05	-439.12	0.00	0.00	0.00	
4100.00	7.00	191.34	4072.33	-450.80	-90.44	-451.07	0.00	0.00	0.00	
4200.00	7.00	191.34	4171.59	-462.74	-92.84	-463.02	0.00	0.00	0.00	
4300.00	7.00	191.34	4270.84	-474.68	-95.23	-474.96	0.00	0.00	0.00	
4400.00	7.00	191.34	4370.10	-486.62	-97.63	-486.91	0.00	0.00	0.00	
4500.00	7.00	191.34	4469.36	-498.56	-100.03	-498.86	0.00	0.00	0.00	
4600.00	7.00	191.34	4568.61	-510.50	-102.42	-510.81	0.00	0.00	0.00	
4700.00	7.00	191.34	4667.87	-522.45	-104.82	-522.75	0.00	0.00	0.00	
4800.00	7.00	191.34	4767.12	-534.39	-107.21	-534.70	0.00	0.00	0.00	
4900.00	7.00	191.34	4866.38	-546.33	-109.61	-546.65	0.00	0.00	0.00	
5000.00	7.00	191.34	4965.63	-558.27	-112.00	-558.60	0.00	0.00	0.00	
5100.00	7.00	191.34	5064.89	-570.21	-114.40	-570.55	0.00	0.00	0.00	
5200.00	7.00	191.34	5164.14	-582.15	-116.79	-582.49	0.00	0.00	0.00	
5300.00	7.00	191.34	5263.40	-594.09	-119.19	-594.44	0.00	0.00	0.00	
5400.00	7.00	191.34	5362.66	-606.03	-121.59	-606.39	0.00	0.00	0.00	
5500.00	7.00	191.34	5461.91	-617.97	-123.98	-618.34	0.00	0.00	0.00	
5600.00	7.00	191.34	5561.17	-629.91	-126.38	-630.28	0.00	0.00	0.00	
5700.00	7.00	191.34	5660.42	-641.85	-128.77	-642.23	0.00	0.00	0.00	
5742.66	7.00	191.34	5702.77	-646.95	-129.79	-647.33	0.00	0.00	0.00	
5750.00	6.28	192.65	5710.06	-647.78	-129.97	-648.16	10.00	-9.79	17.85	
5800.00	1.77	230.53	5759.93	-650.94	-131.17	-651.32	10.00	-9.02	75.75	
5850.00	4.10	340.82	5809.88	-649.74	-132.35	-650.13	10.00	4.67	220.58	
5900.00	8.97	351.51	5859.54	-644.18	-133.51	-644.58	10.00	9.74	21.39	
5950.00	13.94	354.67	5908.53	-634.33	-134.65	-634.72	10.00	9.92	6.32	
6000.00	18.92	356.19	5956.48	-620.23	-135.75	-620.63	10.00	9.96	3.04	
6050.00	23.91	357.10	6003.01	-602.02	-136.80	-602.42	10.00	9.98	1.81	
6100.00	28.90	357.70	6047.78	-579.81	-137.80	-580.22	10.00	9.99	1.21	

# Precision Directional Services, Inc.

## Planning Report

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**Site:** Gaffney 2-29-8-61 Pad  
**Well:** 2-29-8-61  
**Wellpath:** Original Hole

**Date:** 10/09/2013  
**Co-ordinate(NE) Reference:** Well: 2-29-8-61, Grid North  
**Vertical (TVD) Reference:** 4991'GL+17'KB 5008.0  
**Section (VS) Reference:** Well (0.00N,0.00E,0.17Azi)  
**Plan:** Plan #4

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### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6150.00	33.90	358.14	6090.44	-553.79	-138.73	-554.19	10.00	9.99	0.88	
6200.00	38.89	358.48	6130.68	-524.14	-139.60	-524.55	10.00	9.99	0.68	
6250.00	43.89	358.75	6168.18	-491.10	-140.39	-491.52	10.00	9.99	0.55	
6300.00	48.89	358.98	6202.66	-454.92	-141.11	-455.34	10.00	9.99	0.45	
6350.00	53.88	359.18	6233.85	-415.87	-141.73	-416.29	10.00	10.00	0.39	
6400.00	58.88	359.35	6261.52	-374.25	-142.26	-374.67	10.00	10.00	0.34	
6450.00	63.88	359.50	6285.47	-330.37	-142.70	-330.79	10.00	10.00	0.31	
6500.00	68.88	359.65	6305.49	-284.58	-143.04	-285.00	10.00	10.00	0.28	
6511.23	70.00	359.68	6309.44	-274.06	-143.10	-274.49	10.00	10.00	0.27	7"
6550.00	73.88	359.78	6321.46	-237.21	-143.28	-237.64	10.00	10.00	0.26	
6600.00	78.87	359.90	6333.23	-188.63	-143.41	-189.06	10.00	10.00	0.25	
6650.00	83.87	0.03	6340.73	-139.22	-143.45	-139.64	10.00	10.00	0.24	
6700.00	88.87	0.14	6343.89	-89.33	-143.37	-89.76	10.00	10.00	0.24	
6711.28	90.00	0.17	6344.00	-78.05	-143.34	-78.47	10.00	10.00	0.24	
6800.00	90.00	0.17	6344.00	10.67	-143.07	10.24	0.00	0.00	0.00	
6900.00	90.00	0.17	6344.00	110.67	-142.78	110.24	0.00	0.00	0.00	
7000.00	90.00	0.17	6344.00	210.67	-142.48	210.24	0.00	0.00	0.00	
7100.00	90.00	0.17	6344.00	310.67	-142.18	310.24	0.00	0.00	0.00	
7200.00	90.00	0.17	6344.00	410.67	-141.88	410.24	0.00	0.00	0.00	
7300.00	90.00	0.17	6344.00	510.67	-141.58	510.24	0.00	0.00	0.00	
7400.00	90.00	0.17	6344.00	610.66	-141.28	610.24	0.00	0.00	0.00	
7500.00	90.00	0.17	6344.00	710.66	-140.98	710.24	0.00	0.00	0.00	
7600.00	90.00	0.17	6344.00	810.66	-140.68	810.24	0.00	0.00	0.00	
7700.00	90.00	0.17	6344.00	910.66	-140.38	910.24	0.00	0.00	0.00	
7800.00	90.00	0.17	6344.00	1010.66	-140.09	1010.24	0.00	0.00	0.00	
7900.00	90.00	0.17	6344.00	1110.66	-139.79	1110.24	0.00	0.00	0.00	
8000.00	90.00	0.17	6344.00	1210.66	-139.49	1210.24	0.00	0.00	0.00	
8100.00	90.00	0.17	6344.00	1310.66	-139.19	1310.24	0.00	0.00	0.00	
8200.00	90.00	0.17	6344.00	1410.66	-138.89	1410.24	0.00	0.00	0.00	
8300.00	90.00	0.17	6344.00	1510.66	-138.59	1510.24	0.00	0.00	0.00	
8400.00	90.00	0.17	6344.00	1610.66	-138.29	1610.24	0.00	0.00	0.00	
8500.00	90.00	0.17	6344.00	1710.66	-137.99	1710.24	0.00	0.00	0.00	
8600.00	90.00	0.17	6344.00	1810.66	-137.69	1810.24	0.00	0.00	0.00	
8700.00	90.00	0.17	6344.00	1910.66	-137.40	1910.24	0.00	0.00	0.00	
8800.00	90.00	0.17	6344.00	2010.66	-137.10	2010.24	0.00	0.00	0.00	
8900.00	90.00	0.17	6344.00	2110.66	-136.80	2110.24	0.00	0.00	0.00	
9000.00	90.00	0.17	6344.00	2210.66	-136.50	2210.24	0.00	0.00	0.00	
9100.00	90.00	0.17	6344.00	2310.66	-136.20	2310.24	0.00	0.00	0.00	
9200.00	90.00	0.17	6344.00	2410.66	-135.90	2410.24	0.00	0.00	0.00	
9300.00	90.00	0.17	6344.00	2510.66	-135.60	2510.24	0.00	0.00	0.00	
9400.00	90.00	0.17	6344.00	2610.66	-135.30	2610.24	0.00	0.00	0.00	
9500.00	90.00	0.17	6344.00	2710.66	-135.00	2710.24	0.00	0.00	0.00	
9600.00	90.00	0.17	6344.00	2810.66	-134.71	2810.24	0.00	0.00	0.00	
9700.00	90.00	0.17	6344.00	2910.65	-134.41	2910.24	0.00	0.00	0.00	
9800.00	90.00	0.17	6344.00	3010.65	-134.11	3010.24	0.00	0.00	0.00	
9900.00	90.00	0.17	6344.00	3110.65	-133.81	3110.24	0.00	0.00	0.00	
10000.00	90.00	0.17	6344.00	3210.65	-133.51	3210.24	0.00	0.00	0.00	
10100.00	90.00	0.17	6344.00	3310.65	-133.21	3310.24	0.00	0.00	0.00	
10200.00	90.00	0.17	6344.00	3410.65	-132.91	3410.24	0.00	0.00	0.00	
10300.00	90.00	0.17	6344.00	3510.65	-132.61	3510.24	0.00	0.00	0.00	
10400.00	90.00	0.17	6344.00	3610.65	-132.31	3610.24	0.00	0.00	0.00	
10500.00	90.00	0.17	6344.00	3710.65	-132.02	3710.24	0.00	0.00	0.00	
10600.00	90.00	0.17	6344.00	3810.65	-131.72	3810.24	0.00	0.00	0.00	

# Precision Directional Services, Inc.

## Planning Report

**Company:** CARRIZO OIL & GAS, INC.  
**Field:** Niobrara CONZ'83  
**Site:** Gaffney 2-29-8-61 Pad  
**Well:** 2-29-8-61  
**Wellpath:** Original Hole

**Date:** 10/09/2013  
**Co-ordinate(NE) Reference:** Well: 2-29-8-61, Grid North  
**Vertical (TVD) Reference:** 4991'GL+17'KB 5008.0  
**Section (VS) Reference:** Well (0.00N,0.00E,0.17Azi)  
**Plan:** Plan #4

**Page:** 4

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
10700.00	90.00	0.17	6344.00	3910.65	-131.42	3910.24	0.00	0.00	0.00	
10800.00	90.00	0.17	6344.00	4010.65	-131.12	4010.24	0.00	0.00	0.00	
10900.00	90.00	0.17	6344.00	4110.65	-130.82	4110.24	0.00	0.00	0.00	
11000.00	90.00	0.17	6344.00	4210.65	-130.52	4210.24	0.00	0.00	0.00	
11100.00	90.00	0.17	6344.00	4310.65	-130.22	4310.24	0.00	0.00	0.00	
11200.00	90.00	0.17	6344.00	4410.65	-129.92	4410.24	0.00	0.00	0.00	
11300.00	90.00	0.17	6344.00	4510.65	-129.62	4510.24	0.00	0.00	0.00	
11400.00	90.00	0.17	6344.00	4610.65	-129.32	4610.24	0.00	0.00	0.00	
11500.00	90.00	0.17	6344.00	4710.65	-129.03	4710.24	0.00	0.00	0.00	
11600.00	90.00	0.17	6344.00	4810.65	-128.73	4810.24	0.00	0.00	0.00	
11700.00	90.00	0.17	6344.00	4910.65	-128.43	4910.24	0.00	0.00	0.00	
11800.00	90.00	0.17	6344.00	5010.65	-128.13	5010.24	0.00	0.00	0.00	
11900.00	90.00	0.17	6344.00	5110.64	-127.83	5110.24	0.00	0.00	0.00	
12000.00	90.00	0.17	6344.00	5210.64	-127.53	5210.24	0.00	0.00	0.00	
12100.00	90.00	0.17	6344.00	5310.64	-127.23	5310.24	0.00	0.00	0.00	
12200.00	90.00	0.17	6344.00	5410.64	-126.93	5410.24	0.00	0.00	0.00	
12300.00	90.00	0.17	6344.00	5510.64	-126.63	5510.24	0.00	0.00	0.00	
12400.00	90.00	0.17	6344.00	5610.64	-126.34	5610.24	0.00	0.00	0.00	
12500.00	90.00	0.17	6344.00	5710.64	-126.04	5710.24	0.00	0.00	0.00	
12600.00	90.00	0.17	6344.00	5810.64	-125.74	5810.24	0.00	0.00	0.00	
12700.00	90.00	0.17	6344.00	5910.64	-125.44	5910.24	0.00	0.00	0.00	
12800.00	90.00	0.17	6344.00	6010.64	-125.14	6010.24	0.00	0.00	0.00	
12900.00	90.00	0.17	6344.00	6110.64	-124.84	6110.24	0.00	0.00	0.00	
13000.00	90.00	0.17	6344.00	6210.64	-124.54	6210.24	0.00	0.00	0.00	
13100.00	90.00	0.17	6344.00	6310.64	-124.24	6310.24	0.00	0.00	0.00	
13200.00	90.00	0.17	6344.00	6410.64	-123.94	6410.24	0.00	0.00	0.00	
13300.00	90.00	0.17	6344.00	6510.64	-123.65	6510.24	0.00	0.00	0.00	
13400.00	90.00	0.17	6344.00	6610.64	-123.35	6610.24	0.00	0.00	0.00	
13500.00	90.00	0.17	6344.00	6710.64	-123.05	6710.24	0.00	0.00	0.00	
13600.00	90.00	0.17	6344.00	6810.64	-122.75	6810.24	0.00	0.00	0.00	
13700.00	90.00	0.17	6344.00	6910.64	-122.45	6910.24	0.00	0.00	0.00	
13800.00	90.00	0.17	6344.00	7010.64	-122.15	7010.24	0.00	0.00	0.00	
13900.00	90.00	0.17	6344.00	7110.64	-121.85	7110.24	0.00	0.00	0.00	
13973.08	90.00	0.17	6344.00	7183.72	-121.63	7183.33	0.00	0.00	0.00	PBHL 2-29

### Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
SL 2-29			0.00	0.00	0.00	1476226.52	3350181.47	40	38	1.649 N	104	14	17.855 W
PBHL 2-29			6344.00	7183.72	-121.63	1483410.24	3350059.84	40	39	12.644 N	104	14	18.107 W

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
1407.63	1400.00	9.625	12.250	9 5/8"
6511.23	6309.44	7.000	8.500	7"