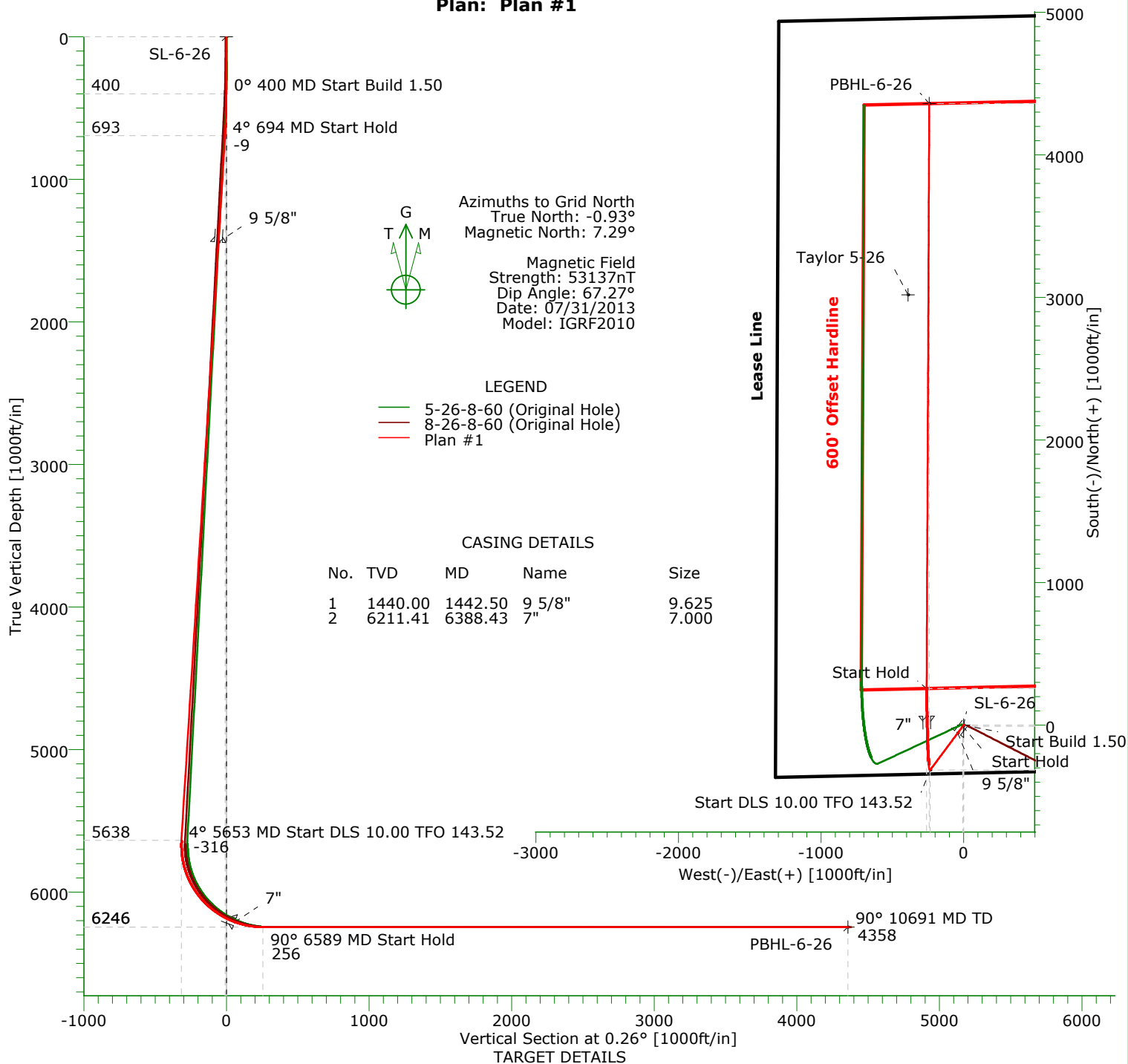




# CARRIZO OIL & GAS, INC.

Field: Niobrara CONZ'83  
Site: Bailey 2-26-8-60 Pad  
Well: 6-26-8-60  
Wellpath: Original Hole  
Plan: Plan #1



# Precision Directional Services, Inc.

## Planning Report

<b>Company:</b> CARRIZO OIL & GAS, INC.		<b>Date:</b> 07/08/2013	<b>Time:</b> 08:49:14	<b>Page:</b> 1
<b>Field:</b> Niobrara CONZ'83		<b>Co-ordinate(NE) Reference:</b> Well: 6-26-8-60, Grid North		
<b>Site:</b> Bailey 2-26-8-60 Pad		<b>Vertical (TVD) Reference:</b> 4874'GL+17'KB 4891.0		
<b>Well:</b> 6-26-8-60		<b>Section (VS) Reference:</b> Well (0.00N,0.00E,0.26Azi)		
<b>Wellpath:</b> Original Hole		<b>Plan:</b> Plan #1		

<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> Bailey 2-26-8-60 Pad Centered on 5-26-8-60 Weld County, CO	
<b>Site Position:</b>	<b>Northing:</b> 1474497.30 ft
<b>From:</b> Map	<b>Easting:</b> 3398639.49 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 40 37 37.280 N
<b>Ground Level:</b> 4874.00 ft	<b>Longitude:</b> 104 3 49.770 W
	<b>North Reference:</b> Grid
	<b>Grid Convergence:</b> 0.93 deg

<b>Well:</b> 6-26-8-60 337'FSL,1319'FWL		<b>Slot Name:</b> 6-26	
<b>Well Position:</b> +N/-S -3.01 ft	<b>Northing:</b> 1474494.29 ft	<b>Latitude:</b> 40 37 37.248 N	
+E/-W 14.69 ft	<b>Easting :</b> 3398654.18 ft	<b>Longitude:</b> 104 3 49.580 W	
<b>Position Uncertainty:</b> 0.00 ft			

<b>Wellpath:</b> Original Hole		<b>Drilled From:</b> Surface	
<b>Current Datum:</b> 4874'GL+17'KB	<b>Height</b> 4891.00 ft	<b>Tie-on Depth:</b> 0.00 ft	
<b>Magnetic Data:</b> 07/31/2013		<b>Above System Datum:</b> Mean Sea Level	
<b>Field Strength:</b> 53137 nT		<b>Declination:</b> 8.21 deg	
<b>Vertical Section:</b> Depth From (TVD)	+N/-S	<b>Mag Dip Angle:</b> 67.27 deg	
ft	ft	<b>+E/-W</b>	<b>Direction</b>
		ft	deg
0.00	0.00	0.00	0.26

<b>Plan:</b> Plan #1	<b>Date Composed:</b> 07/08/2013
<b>Principal:</b> No	<b>Version:</b> 1
	<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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
693.77	4.41	216.66	693.48	-9.06	-6.74	1.50	1.50	0.00	0.00	
5653.19	4.41	216.66	5638.24	-314.74	-234.25	0.00	0.00	0.00	0.00	
6588.65	90.00	0.26	6246.00	257.24	-259.48	10.00	9.15	15.35	143.52	
10690.93	90.00	0.26	6246.00	4359.48	-241.11	0.00	0.00	0.00	0.00	PBHL-6-26

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	1.50	216.66	499.99	-1.05	-0.78	-1.05	1.50	1.50	0.00	
600.00	3.00	216.66	599.91	-4.20	-3.13	-4.21	1.50	1.50	0.00	
693.77	4.41	216.66	693.48	-9.06	-6.74	-9.09	1.50	1.50	0.00	
700.00	4.41	216.66	699.69	-9.44	-7.03	-9.47	0.00	0.00	0.00	
800.00	4.41	216.66	799.40	-15.61	-11.61	-15.66	0.00	0.00	0.00	
900.00	4.41	216.66	899.10	-21.77	-16.20	-21.84	0.00	0.00	0.00	
1000.00	4.41	216.66	998.81	-27.93	-20.79	-28.03	0.00	0.00	0.00	
1100.00	4.41	216.66	1098.51	-34.10	-25.38	-34.21	0.00	0.00	0.00	
1200.00	4.41	216.66	1198.21	-40.26	-29.96	-40.40	0.00	0.00	0.00	
1300.00	4.41	216.66	1297.92	-46.42	-34.55	-46.58	0.00	0.00	0.00	

# Precision Directional Services, Inc.

## Planning Report

**Company:** CARRIZO OIL & GAS, INC.  
**Field:** Niobrara CONZ'83  
**Site:** Bailey 2-26-8-60 Pad  
**Well:** 6-26-8-60  
**Wellpath:** Original Hole

**Date:** 07/08/2013  
**Co-ordinate(NE) Reference:** Well: 6-26-8-60, Grid North  
**Vertical (TVD) Reference:** 4874'GL+17'KB 4891.0  
**Section (VS) Reference:** Well (0.00N,0.00E,0.26Azi)  
**Plan:** Plan #1

**Page:** 2

### 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	4.41	216.66	1397.62	-52.59	-39.14	-52.76	0.00	0.00	0.00	9 5/8"
1442.50	4.41	216.66	1440.00	-55.21	-41.09	-55.39	0.00	0.00	0.00	
1500.00	4.41	216.66	1497.33	-58.75	-43.73	-58.95	0.00	0.00	0.00	
1600.00	4.41	216.66	1597.03	-64.91	-48.31	-65.13	0.00	0.00	0.00	
1700.00	4.41	216.66	1696.74	-71.08	-52.90	-71.32	0.00	0.00	0.00	
1800.00	4.41	216.66	1796.44	-77.24	-57.49	-77.50	0.00	0.00	0.00	
1900.00	4.41	216.66	1896.14	-83.41	-62.08	-83.69	0.00	0.00	0.00	
2000.00	4.41	216.66	1995.85	-89.57	-66.66	-89.87	0.00	0.00	0.00	
2100.00	4.41	216.66	2095.55	-95.73	-71.25	-96.06	0.00	0.00	0.00	
2200.00	4.41	216.66	2195.26	-101.90	-75.84	-102.24	0.00	0.00	0.00	
2300.00	4.41	216.66	2294.96	-108.06	-80.42	-108.42	0.00	0.00	0.00	
2400.00	4.41	216.66	2394.67	-114.22	-85.01	-114.61	0.00	0.00	0.00	
2500.00	4.41	216.66	2494.37	-120.39	-89.60	-120.79	0.00	0.00	0.00	
2600.00	4.41	216.66	2594.08	-126.55	-94.19	-126.98	0.00	0.00	0.00	
2700.00	4.41	216.66	2693.78	-132.72	-98.77	-133.16	0.00	0.00	0.00	
2800.00	4.41	216.66	2793.48	-138.88	-103.36	-139.35	0.00	0.00	0.00	
2900.00	4.41	216.66	2893.19	-145.04	-107.95	-145.53	0.00	0.00	0.00	
3000.00	4.41	216.66	2992.89	-151.21	-112.54	-151.72	0.00	0.00	0.00	
3100.00	4.41	216.66	3092.60	-157.37	-117.12	-157.90	0.00	0.00	0.00	
3200.00	4.41	216.66	3192.30	-163.53	-121.71	-164.08	0.00	0.00	0.00	
3300.00	4.41	216.66	3292.01	-169.70	-126.30	-170.27	0.00	0.00	0.00	
3400.00	4.41	216.66	3391.71	-175.86	-130.89	-176.45	0.00	0.00	0.00	
3500.00	4.41	216.66	3491.42	-182.02	-135.47	-182.64	0.00	0.00	0.00	
3600.00	4.41	216.66	3591.12	-188.19	-140.06	-188.82	0.00	0.00	0.00	
3700.00	4.41	216.66	3690.82	-194.35	-144.65	-195.01	0.00	0.00	0.00	
3800.00	4.41	216.66	3790.53	-200.52	-149.23	-201.19	0.00	0.00	0.00	
3900.00	4.41	216.66	3890.23	-206.68	-153.82	-207.37	0.00	0.00	0.00	
4000.00	4.41	216.66	3989.94	-212.84	-158.41	-213.56	0.00	0.00	0.00	
4100.00	4.41	216.66	4089.64	-219.01	-163.00	-219.74	0.00	0.00	0.00	
4200.00	4.41	216.66	4189.35	-225.17	-167.58	-225.93	0.00	0.00	0.00	
4300.00	4.41	216.66	4289.05	-231.33	-172.17	-232.11	0.00	0.00	0.00	
4400.00	4.41	216.66	4388.75	-237.50	-176.76	-238.30	0.00	0.00	0.00	
4500.00	4.41	216.66	4488.46	-243.66	-181.35	-244.48	0.00	0.00	0.00	
4600.00	4.41	216.66	4588.16	-249.82	-185.93	-250.67	0.00	0.00	0.00	
4700.00	4.41	216.66	4687.87	-255.99	-190.52	-256.85	0.00	0.00	0.00	
4800.00	4.41	216.66	4787.57	-262.15	-195.11	-263.03	0.00	0.00	0.00	
4900.00	4.41	216.66	4887.28	-268.32	-199.70	-269.22	0.00	0.00	0.00	
5000.00	4.41	216.66	4986.98	-274.48	-204.28	-275.40	0.00	0.00	0.00	
5100.00	4.41	216.66	5086.69	-280.64	-208.87	-281.59	0.00	0.00	0.00	
5200.00	4.41	216.66	5186.39	-286.81	-213.46	-287.77	0.00	0.00	0.00	
5300.00	4.41	216.66	5286.09	-292.97	-218.04	-293.96	0.00	0.00	0.00	
5400.00	4.41	216.66	5385.80	-299.13	-222.63	-300.14	0.00	0.00	0.00	
5500.00	4.41	216.66	5485.50	-305.30	-227.22	-306.33	0.00	0.00	0.00	
5600.00	4.41	216.66	5585.21	-311.46	-231.81	-312.51	0.00	0.00	0.00	
5653.19	4.41	216.66	5638.24	-314.74	-234.25	-315.80	0.00	0.00	0.00	
5700.00	2.85	293.70	5684.98	-315.71	-236.39	-316.78	10.00	-3.32	164.60	
5800.00	11.43	347.19	5784.18	-305.02	-240.88	-306.11	10.00	8.58	53.49	
5900.00	21.29	353.52	5880.01	-277.25	-245.14	-278.36	10.00	9.85	6.33	
6000.00	31.23	355.93	5969.58	-233.24	-249.04	-234.36	10.00	9.94	2.41	
6100.00	41.20	357.26	6050.16	-174.33	-252.46	-175.47	10.00	9.97	1.33	
6200.00	51.18	358.15	6119.29	-102.31	-255.30	-103.46	10.00	9.98	0.89	
6300.00	61.17	358.81	6174.89	-19.37	-257.47	-20.53	10.00	9.98	0.67	
6388.43	70.00	359.30	6211.41	61.06	-258.78	59.89	10.00	9.99	0.55	7"
6400.00	71.16	359.36	6215.25	71.98	-258.90	70.80	10.00	9.99	0.51	

# Precision Directional Services, Inc.

## Planning Report

**Company:** CARRIZO OIL & GAS, INC.  
**Field:** Niobrara CONZ'83  
**Site:** Bailey 2-26-8-60 Pad  
**Well:** 6-26-8-60  
**Wellpath:** Original Hole

**Date:** 07/08/2013  
**Co-ordinate(NE) Reference:** Well: 6-26-8-60, Grid North  
**Vertical (TVD) Reference:** 4874'GL+17'KB 4891.0  
**Section (VS) Reference:** Well (0.00N,0.00E,0.26Azi)  
**Plan:** Plan #1

**Page:** 3

### 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
6500.00	81.14	359.85	6239.16	168.94	-259.56	167.76	10.00	9.99	0.49	
6588.65	90.00	0.26	6246.00	257.24	-259.48	256.06	10.00	9.99	0.46	
6600.00	90.00	0.26	6246.00	268.59	-259.43	267.41	0.00	0.00	0.00	
6700.00	90.00	0.26	6246.00	368.59	-258.98	367.41	0.00	0.00	0.00	
6800.00	90.00	0.26	6246.00	468.59	-258.53	467.41	0.00	0.00	0.00	
6900.00	90.00	0.26	6246.00	568.59	-258.09	567.41	0.00	0.00	0.00	
7000.00	90.00	0.26	6246.00	668.59	-257.64	667.41	0.00	0.00	0.00	
7100.00	90.00	0.26	6246.00	768.58	-257.19	767.41	0.00	0.00	0.00	
7200.00	90.00	0.26	6246.00	868.58	-256.74	867.41	0.00	0.00	0.00	
7300.00	90.00	0.26	6246.00	968.58	-256.29	967.41	0.00	0.00	0.00	
7400.00	90.00	0.26	6246.00	1068.58	-255.85	1067.41	0.00	0.00	0.00	
7500.00	90.00	0.26	6246.00	1168.58	-255.40	1167.41	0.00	0.00	0.00	
7600.00	90.00	0.26	6246.00	1268.58	-254.95	1267.41	0.00	0.00	0.00	
7700.00	90.00	0.26	6246.00	1368.58	-254.50	1367.41	0.00	0.00	0.00	
7800.00	90.00	0.26	6246.00	1468.58	-254.06	1467.41	0.00	0.00	0.00	
7900.00	90.00	0.26	6246.00	1568.58	-253.61	1567.41	0.00	0.00	0.00	
8000.00	90.00	0.26	6246.00	1668.58	-253.16	1667.41	0.00	0.00	0.00	
8100.00	90.00	0.26	6246.00	1768.57	-252.71	1767.41	0.00	0.00	0.00	
8200.00	90.00	0.26	6246.00	1868.57	-252.26	1867.41	0.00	0.00	0.00	
8300.00	90.00	0.26	6246.00	1968.57	-251.82	1967.41	0.00	0.00	0.00	
8400.00	90.00	0.26	6246.00	2068.57	-251.37	2067.41	0.00	0.00	0.00	
8500.00	90.00	0.26	6246.00	2168.57	-250.92	2167.41	0.00	0.00	0.00	
8600.00	90.00	0.26	6246.00	2268.57	-250.47	2267.41	0.00	0.00	0.00	
8700.00	90.00	0.26	6246.00	2368.57	-250.03	2367.41	0.00	0.00	0.00	
8800.00	90.00	0.26	6246.00	2468.57	-249.58	2467.41	0.00	0.00	0.00	
8900.00	90.00	0.26	6246.00	2568.57	-249.13	2567.41	0.00	0.00	0.00	
9000.00	90.00	0.26	6246.00	2668.57	-248.68	2667.41	0.00	0.00	0.00	
9100.00	90.00	0.26	6246.00	2768.56	-248.23	2767.41	0.00	0.00	0.00	
9200.00	90.00	0.26	6246.00	2868.56	-247.79	2867.41	0.00	0.00	0.00	
9300.00	90.00	0.26	6246.00	2968.56	-247.34	2967.41	0.00	0.00	0.00	
9400.00	90.00	0.26	6246.00	3068.56	-246.89	3067.41	0.00	0.00	0.00	
9500.00	90.00	0.26	6246.00	3168.56	-246.44	3167.41	0.00	0.00	0.00	
9600.00	90.00	0.26	6246.00	3268.56	-246.00	3267.41	0.00	0.00	0.00	
9700.00	90.00	0.26	6246.00	3368.56	-245.55	3367.41	0.00	0.00	0.00	
9800.00	90.00	0.26	6246.00	3468.56	-245.10	3467.41	0.00	0.00	0.00	
9900.00	90.00	0.26	6246.00	3568.56	-244.65	3567.41	0.00	0.00	0.00	
10000.00	90.00	0.26	6246.00	3668.56	-244.20	3667.41	0.00	0.00	0.00	
10100.00	90.00	0.26	6246.00	3768.55	-243.76	3767.41	0.00	0.00	0.00	
10200.00	90.00	0.26	6246.00	3868.55	-243.31	3867.41	0.00	0.00	0.00	
10300.00	90.00	0.26	6246.00	3968.55	-242.86	3967.41	0.00	0.00	0.00	
10400.00	90.00	0.26	6246.00	4068.55	-242.41	4067.41	0.00	0.00	0.00	
10500.00	90.00	0.26	6246.00	4168.55	-241.96	4167.41	0.00	0.00	0.00	
10600.00	90.00	0.26	6246.00	4268.55	-241.52	4267.41	0.00	0.00	0.00	
10690.93	90.00	0.26	6246.00	4359.48	-241.11	4358.34	0.00	0.00	0.00	PBHL-6-26

### 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		
Taylor #1			-100.00	4304.50	718.95	1478798.793399373.13		40	38	19.662 N	104	3	39.351 W
Taylor 5-26			-100.00	3018.43	-389.62	1477512.723398264.56		40	38	7.133 N	104	3	53.999 W
Taylor #1-A			-100.00	4118.85	511.01	1478613.143399165.19		40	38	17.861 N	104	3	42.087 W

# Precision Directional Services, Inc.

## Planning Report

**Company:** CARRIZO OIL & GAS, INC.  
**Field:** Niobrara CONZ'83  
**Site:** Bailey 2-26-8-60 Pad  
**Well:** 6-26-8-60  
**Wellpath:** Original Hole

**Date:** 07/08/2013  
**Co-ordinate(NE) Reference:** Well: 6-26-8-60, Grid North  
**Vertical (TVD) Reference:** 4874'GL+17'KB 4891.0  
**Section (VS) Reference:** Well (0.00N,0.00E,0.26Azi)  
**Plan:** Plan #1

**Page:** 4

### Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->			<--- Longitude --->		
								Deg	Min	Sec	Deg	Min	Sec
SL-6-26			0.00	0.00	0.00	1474494.29	3398654.18	40	37	37.248 N	104	3	49.580 W
PBHL-6-26			6246.00	4359.48	-241.11	1478853.77	3398413.07	40	38	20.359 N	104	3	51.791 W

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
1442.50	1440.00	9.625	12.250	9 5/8"
6388.43	6211.41	7.000	8.500	7"