



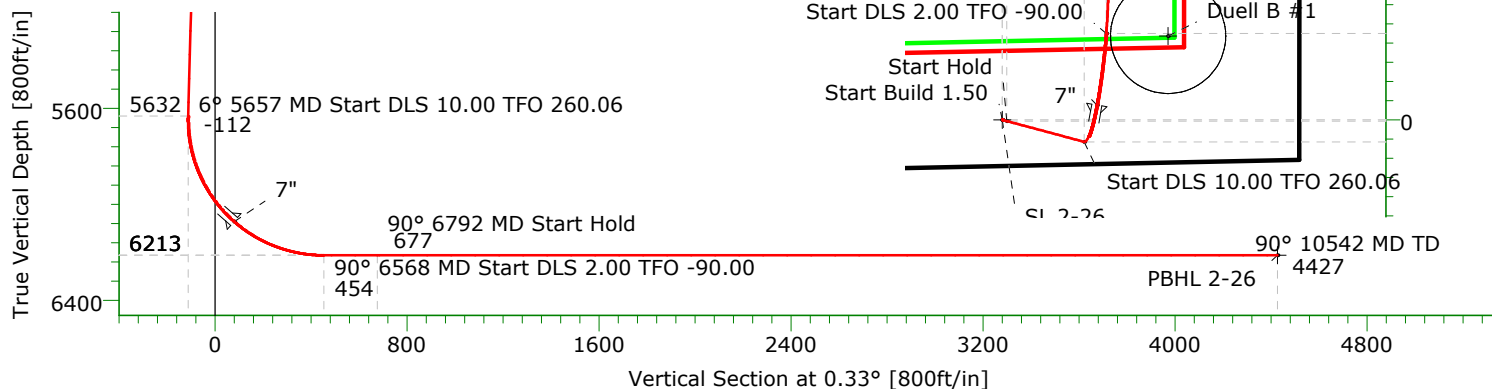
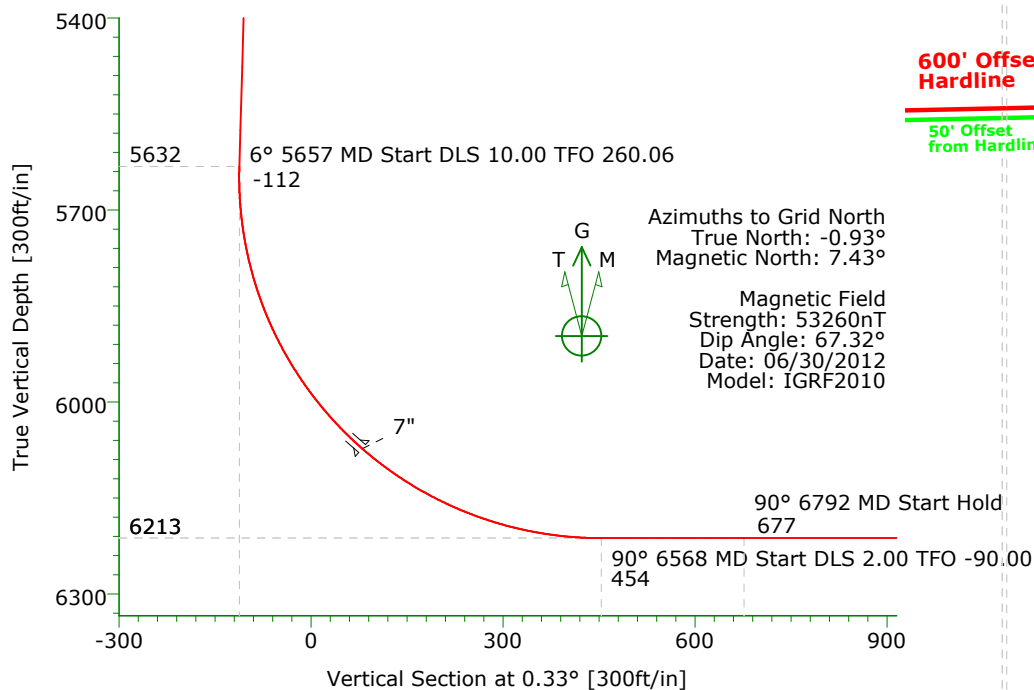
CARRIZO OIL & GAS, INC.

Field: Niobrara CONZ'83
Site: Hemberger 26 Pad
Well: 2-26-34-8-60
Wellpath: Original Hole
Plan: Plan #1



CASING DETAILS

No.	TVD	MD	Name	Size
1	6073.00	6157.78	7"	7.000



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Duell et al #1-26	0.00	4419.94	887.00	1478870.05	3401968.73	40°38'19.948N104°03'05.671W		Circle (Radius: 300)
Duell B #1	0.00	437.46	863.76	1474887.57	3401945.49	40°37'40.605N104°03'06.816W		Circle (Radius: 300)
SL 2-26	0.00	0.00	0.00	1474450.11	3401081.73	40°37'36.422N104°03'18.110W		Point
PBHL 2-26	6213.00	4423.51	587.02	1478873.62	3401668.75	40°38'20.032N104°03'09.561W		Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1540.00	0.00	0.00	1540.00	0.00	0.00	0.00	0.00	0.00	
3	1973.33	6.50	105.00	1972.40	-6.35	23.72	1.50	105.00	-6.22	
4	5657.03	6.50	105.00	5632.42	-114.28	426.51	0.00	0.00	-111.83	
5	6568.29	90.00	5.00	6213.00	450.71	541.34	10.00	260.06	453.82	
6	6791.62	90.00	0.53	6213.00	673.72	552.11	2.00	-90.00	676.89	
7	10541.58	90.00	0.53	6213.00	4423.51	587.02	0.00	0.00	4426.82	PBHL 2-26

Company: CARRIZO OIL & GAS, INC. Field: Niobrara CONZ'83 Site: Hemberger 26 Pad Well: 2-26-34-8-60 Wellpath: Original Hole	Date: 06/06/2012 Co-ordinate(NE) Reference: Well: 2-26-34-8-60, Grid North Vertical (TVD) Reference: 4874'GL+17'KB 4891.0 Section (VS) Reference: Well (0.00N,0.00E,0.33Azi) Plan: Plan #1
---	---

Page: 1

Field: Niobrara CONZ'83

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: Colorado, Northern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Hemberger 26 Pad

Weld County, CO

Site Position:	Northing: 1474476.56 ft	Latitude: 40 37 36.689 N
From: Map	Easting: 3401047.83 ft	Longitude: 104 3 18.544 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4874.00 ft		Grid Convergence: 0.93 deg

Well: 2-26-34-8-60

Slot Name: 2-26

Well Position:	Northing: 1474450.11 ft	Latitude: 40 37 36.422 N
+N/-S -26.45 ft	Easting : 3401081.73 ft	Longitude: 104 3 18.110 W
+E/-W 33.90 ft		
Position Uncertainty: 0.00 ft		

Wellpath: Original Hole

Current Datum: 4874'GL+17'KB	Height 4891.00 ft	Drilled From: Surface
Magnetic Data: 06/30/2012		Tie-on Depth: 0.00 ft
Field Strength: 53260 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 8.37 deg
ft	ft	Mag Dip Angle: 67.32 deg
		+E/-W
		ft
		Direction
		deg
0.00	0.00	0.00
		0.33

Plan: Plan #1

Date Composed: 06/06/2012
Version: 1
Tied-to: From Surface

Principal: No

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	
1540.00	0.00	0.00	1540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1973.33	6.50	105.00	1972.40	-6.35	23.72	1.50	1.50	0.00	105.00	
5657.03	6.50	105.00	5632.42	-114.28	426.51	0.00	0.00	0.00	0.00	
6568.29	90.00	5.00	6213.00	450.71	541.34	10.00	9.16	-10.97	260.06	
6791.62	90.00	0.53	6213.00	673.72	552.11	2.00	0.00	-2.00	-90.00	
10541.58	90.00	0.53	6213.00	4423.51	587.02	0.00	0.00	0.00	0.00	PBHL 2-26

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
1540.00	0.00	0.00	1540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.90	105.00	1600.00	-0.12	0.46	-0.12	1.50	1.50	0.00	
1700.00	2.40	105.00	1699.95	-0.87	3.24	-0.85	1.50	1.50	0.00	
1800.00	3.90	105.00	1799.80	-2.29	8.54	-2.24	1.50	1.50	0.00	
1900.00	5.40	105.00	1899.47	-4.39	16.37	-4.29	1.50	1.50	0.00	
1973.33	6.50	105.00	1972.40	-6.35	23.72	-6.22	1.50	1.50	0.00	
2000.00	6.50	105.00	1998.90	-7.14	26.63	-6.98	0.00	0.00	0.00	
2100.00	6.50	105.00	2098.26	-10.07	37.57	-9.85	0.00	0.00	0.00	
2200.00	6.50	105.00	2197.61	-13.00	48.50	-12.72	0.00	0.00	0.00	
2300.00	6.50	105.00	2296.97	-15.93	59.44	-15.58	0.00	0.00	0.00	
2400.00	6.50	105.00	2396.33	-18.86	70.37	-18.45	0.00	0.00	0.00	
2500.00	6.50	105.00	2495.69	-21.79	81.31	-21.32	0.00	0.00	0.00	
2600.00	6.50	105.00	2595.04	-24.72	92.24	-24.18	0.00	0.00	0.00	
2700.00	6.50	105.00	2694.40	-27.65	103.18	-27.05	0.00	0.00	0.00	
2800.00	6.50	105.00	2793.76	-30.58	114.11	-29.92	0.00	0.00	0.00	

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Hemberger 26 Pad
Well: 2-26-34-8-60
Wellpath: Original Hole

Date: 06/06/2012
Co-ordinate(NE) Reference: Well: 2-26-34-8-60, Grid North
Vertical (TVD) Reference: 4874'GL+17'KB 4891.0
Section (VS) Reference: Well (0.00N,0.00E,0.33Azi)
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
2900.00	6.50	105.00	2893.11	-33.51	125.04	-32.78	0.00	0.00	0.00	
3000.00	6.50	105.00	2992.47	-36.44	135.98	-35.65	0.00	0.00	0.00	
3100.00	6.50	105.00	3091.83	-39.37	146.91	-38.52	0.00	0.00	0.00	
3200.00	6.50	105.00	3191.19	-42.30	157.85	-41.39	0.00	0.00	0.00	
3300.00	6.50	105.00	3290.54	-45.23	168.78	-44.25	0.00	0.00	0.00	
3400.00	6.50	105.00	3389.90	-48.16	179.72	-47.12	0.00	0.00	0.00	
3500.00	6.50	105.00	3489.26	-51.08	190.65	-49.99	0.00	0.00	0.00	
3600.00	6.50	105.00	3588.61	-54.01	201.59	-52.85	0.00	0.00	0.00	
3700.00	6.50	105.00	3687.97	-56.94	212.52	-55.72	0.00	0.00	0.00	
3800.00	6.50	105.00	3787.33	-59.87	223.46	-58.59	0.00	0.00	0.00	
3900.00	6.50	105.00	3886.69	-62.80	234.39	-61.45	0.00	0.00	0.00	
4000.00	6.50	105.00	3986.04	-65.73	245.32	-64.32	0.00	0.00	0.00	
4100.00	6.50	105.00	4085.40	-68.66	256.26	-67.19	0.00	0.00	0.00	
4200.00	6.50	105.00	4184.76	-71.59	267.19	-70.05	0.00	0.00	0.00	
4300.00	6.50	105.00	4284.11	-74.52	278.13	-72.92	0.00	0.00	0.00	
4400.00	6.50	105.00	4383.47	-77.45	289.06	-75.79	0.00	0.00	0.00	
4500.00	6.50	105.00	4482.83	-80.38	300.00	-78.65	0.00	0.00	0.00	
4600.00	6.50	105.00	4582.19	-83.31	310.93	-81.52	0.00	0.00	0.00	
4700.00	6.50	105.00	4681.54	-86.24	321.87	-84.39	0.00	0.00	0.00	
4800.00	6.50	105.00	4780.90	-89.17	332.80	-87.26	0.00	0.00	0.00	
4900.00	6.50	105.00	4880.26	-92.10	343.74	-90.12	0.00	0.00	0.00	
5000.00	6.50	105.00	4979.62	-95.03	354.67	-92.99	0.00	0.00	0.00	
5100.00	6.50	105.00	5078.97	-97.96	365.61	-95.86	0.00	0.00	0.00	
5200.00	6.50	105.00	5178.33	-100.89	376.54	-98.72	0.00	0.00	0.00	
5300.00	6.50	105.00	5277.69	-103.82	387.47	-101.59	0.00	0.00	0.00	
5400.00	6.50	105.00	5377.04	-106.75	398.41	-104.46	0.00	0.00	0.00	
5500.00	6.50	105.00	5476.40	-109.68	409.34	-107.32	0.00	0.00	0.00	
5600.00	6.50	105.00	5575.76	-112.61	420.28	-110.19	0.00	0.00	0.00	
5657.03	6.50	105.00	5632.42	-114.28	426.51	-111.83	0.00	0.00	0.00	
5700.00	7.14	68.58	5675.11	-113.94	431.35	-111.45	10.00	1.49	-84.75	
5750.00	10.37	42.83	5724.54	-109.50	437.31	-106.98	10.00	6.45	-51.50	
5800.00	14.62	30.48	5773.35	-100.76	443.57	-98.20	10.00	8.51	-24.71	
5850.00	19.23	23.76	5821.18	-87.78	450.09	-85.18	10.00	9.22	-13.43	
5900.00	23.99	19.60	5867.65	-70.65	456.83	-68.02	10.00	9.52	-8.32	
5950.00	28.83	16.76	5912.42	-49.52	463.72	-46.85	10.00	9.68	-5.68	
6000.00	33.71	14.68	5955.14	-24.54	470.72	-21.83	10.00	9.77	-4.16	
6050.00	38.62	13.07	5995.50	4.10	477.77	6.85	10.00	9.82	-3.21	
6100.00	43.55	11.78	6033.17	36.19	484.82	38.98	10.00	9.85	-2.59	
6150.00	48.49	10.70	6067.88	71.47	491.81	74.30	10.00	9.88	-2.16	
6157.78	49.26	10.55	6073.00	77.23	492.89	80.06	10.00	9.89	-1.97	7"
6200.00	53.44	9.77	6099.36	109.67	498.70	112.55	10.00	9.90	-1.83	
6250.00	58.39	8.96	6127.38	150.52	505.43	153.43	10.00	9.91	-1.63	
6300.00	63.35	8.23	6151.71	193.69	511.95	196.64	10.00	9.92	-1.46	
6350.00	68.31	7.56	6172.17	238.87	518.20	241.85	10.00	9.92	-1.34	
6400.00	73.28	6.93	6188.61	285.69	524.15	288.71	10.00	9.93	-1.25	
6450.00	78.25	6.34	6200.91	333.82	529.75	336.86	10.00	9.93	-1.19	
6500.00	83.21	5.77	6208.96	382.87	534.95	385.95	10.00	9.94	-1.15	
6550.00	88.18	5.20	6212.71	432.49	539.71	435.59	10.00	9.94	-1.12	
6568.29	90.00	5.00	6213.00	450.71	541.34	453.82	10.00	9.94	-1.12	
6600.00	90.00	4.37	6213.00	482.31	543.93	485.43	2.00	0.00	-2.00	
6700.00	90.00	2.37	6213.00	582.13	549.80	585.29	2.00	0.00	-2.00	
6791.62	90.00	0.53	6213.00	673.72	552.11	676.89	2.00	0.00	-2.00	
6800.00	90.00	0.53	6213.00	682.10	552.19	685.27	0.00	0.00	0.00	

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Hemberger 26 Pad
Well: 2-26-34-8-60
Wellpath: Original Hole

Date: 06/06/2012
Co-ordinate(NE) Reference: Well: 2-26-34-8-60, Grid North
Vertical (TVD) Reference: 4874'GL+17'KB 4891.0
Section (VS) Reference: Well (0.00N,0.00E,0.33Azi)
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
6900.00	90.00	0.53	6213.00	782.09	553.12	785.26	0.00	0.00	0.00	
7000.00	90.00	0.53	6213.00	882.09	554.05	885.26	0.00	0.00	0.00	
7100.00	90.00	0.53	6213.00	982.08	554.98	985.26	0.00	0.00	0.00	
7200.00	90.00	0.53	6213.00	1082.08	555.92	1085.26	0.00	0.00	0.00	
7300.00	90.00	0.53	6213.00	1182.07	556.85	1185.26	0.00	0.00	0.00	
7400.00	90.00	0.53	6213.00	1282.07	557.78	1285.26	0.00	0.00	0.00	
7500.00	90.00	0.53	6213.00	1382.07	558.71	1385.26	0.00	0.00	0.00	
7600.00	90.00	0.53	6213.00	1482.06	559.64	1485.26	0.00	0.00	0.00	
7700.00	90.00	0.53	6213.00	1582.06	560.57	1585.26	0.00	0.00	0.00	
7800.00	90.00	0.53	6213.00	1682.05	561.50	1685.26	0.00	0.00	0.00	
7900.00	90.00	0.53	6213.00	1782.05	562.43	1785.26	0.00	0.00	0.00	
8000.00	90.00	0.53	6213.00	1882.04	563.36	1885.26	0.00	0.00	0.00	
8100.00	90.00	0.53	6213.00	1982.04	564.29	1985.26	0.00	0.00	0.00	
8200.00	90.00	0.53	6213.00	2082.04	565.22	2085.26	0.00	0.00	0.00	
8300.00	90.00	0.53	6213.00	2182.03	566.15	2185.26	0.00	0.00	0.00	
8400.00	90.00	0.53	6213.00	2282.03	567.09	2285.26	0.00	0.00	0.00	
8500.00	90.00	0.53	6213.00	2382.02	568.02	2385.25	0.00	0.00	0.00	
8600.00	90.00	0.53	6213.00	2482.02	568.95	2485.25	0.00	0.00	0.00	
8700.00	90.00	0.53	6213.00	2582.01	569.88	2585.25	0.00	0.00	0.00	
8800.00	90.00	0.53	6213.00	2682.01	570.81	2685.25	0.00	0.00	0.00	
8900.00	90.00	0.53	6213.00	2782.01	571.74	2785.25	0.00	0.00	0.00	
9000.00	90.00	0.53	6213.00	2882.00	572.67	2885.25	0.00	0.00	0.00	
9100.00	90.00	0.53	6213.00	2982.00	573.60	2985.25	0.00	0.00	0.00	
9200.00	90.00	0.53	6213.00	3081.99	574.53	3085.25	0.00	0.00	0.00	
9300.00	90.00	0.53	6213.00	3181.99	575.46	3185.25	0.00	0.00	0.00	
9400.00	90.00	0.53	6213.00	3281.98	576.39	3285.25	0.00	0.00	0.00	
9500.00	90.00	0.53	6213.00	3381.98	577.32	3385.25	0.00	0.00	0.00	
9600.00	90.00	0.53	6213.00	3481.98	578.26	3485.25	0.00	0.00	0.00	
9700.00	90.00	0.53	6213.00	3581.97	579.19	3585.25	0.00	0.00	0.00	
9800.00	90.00	0.53	6213.00	3681.97	580.12	3685.25	0.00	0.00	0.00	
9900.00	90.00	0.53	6213.00	3781.96	581.05	3785.25	0.00	0.00	0.00	
10000.00	90.00	0.53	6213.00	3881.96	581.98	3885.25	0.00	0.00	0.00	
10100.00	90.00	0.53	6213.00	3981.95	582.91	3985.24	0.00	0.00	0.00	
10200.00	90.00	0.53	6213.00	4081.95	583.84	4085.24	0.00	0.00	0.00	
10300.00	90.00	0.53	6213.00	4181.94	584.77	4185.24	0.00	0.00	0.00	
10400.00	90.00	0.53	6213.00	4281.94	585.70	4285.24	0.00	0.00	0.00	
10500.00	90.00	0.53	6213.00	4381.94	586.63	4385.24	0.00	0.00	0.00	
10541.58	90.00	0.53	6213.00	4423.51	587.02	4426.82	0.00	0.00	0.00	PBHL 2-26

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		
Duell et al #1-26 -Circle (Radius: 300)			0.00	4419.94	887.00	1478870.05	3401968.73	40	38	19.948 N	104	3	5.671 W
Duell B #1 -Circle (Radius: 300)			0.00	437.46	863.76	1474887.57	3401945.49	40	37	40.605 N	104	3	6.816 W
SL 2-26			0.00	0.00	0.00	1474450.11	3401081.73	40	37	36.422 N	104	3	18.110 W
PBHL 2-26			6213.00	4423.51	587.02	1478873.62	3401668.75	40	38	20.032 N	104	3	9.561 W

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Hemberger 26 Pad
Well: 2-26-34-8-60
Wellpath: Original Hole

Date: 06/06/2012
Co-ordinate(NE) Reference: Well: 2-26-34-8-60, Grid North
Vertical (TVD) Reference: 4874'GL+17'KB 4891.0
Section (VS) Reference: Well (0.00N,0.00E,0.33Azi)
Plan: Plan #1

Page: 4

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
6157.78	6073.00	7.000	8.750	7"