



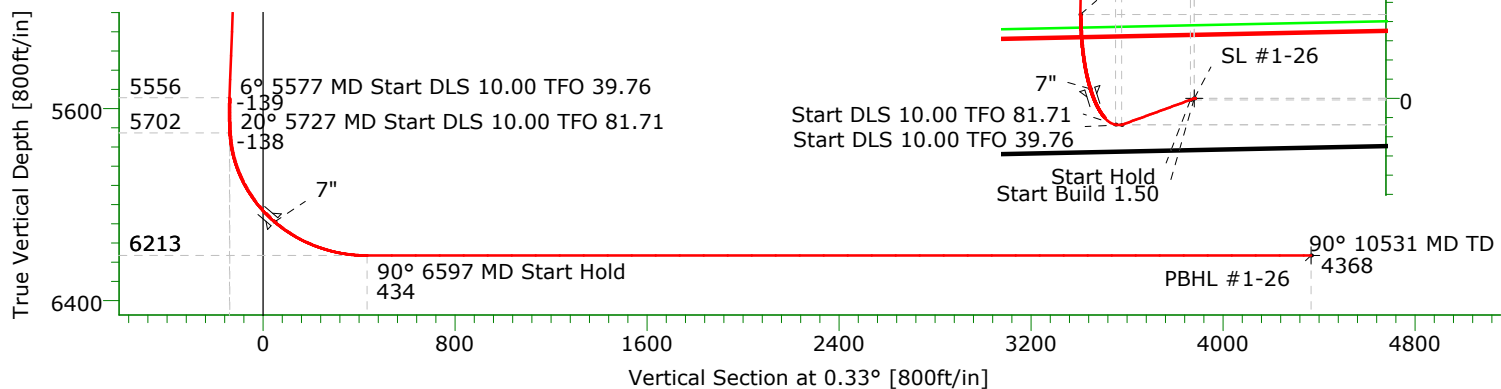
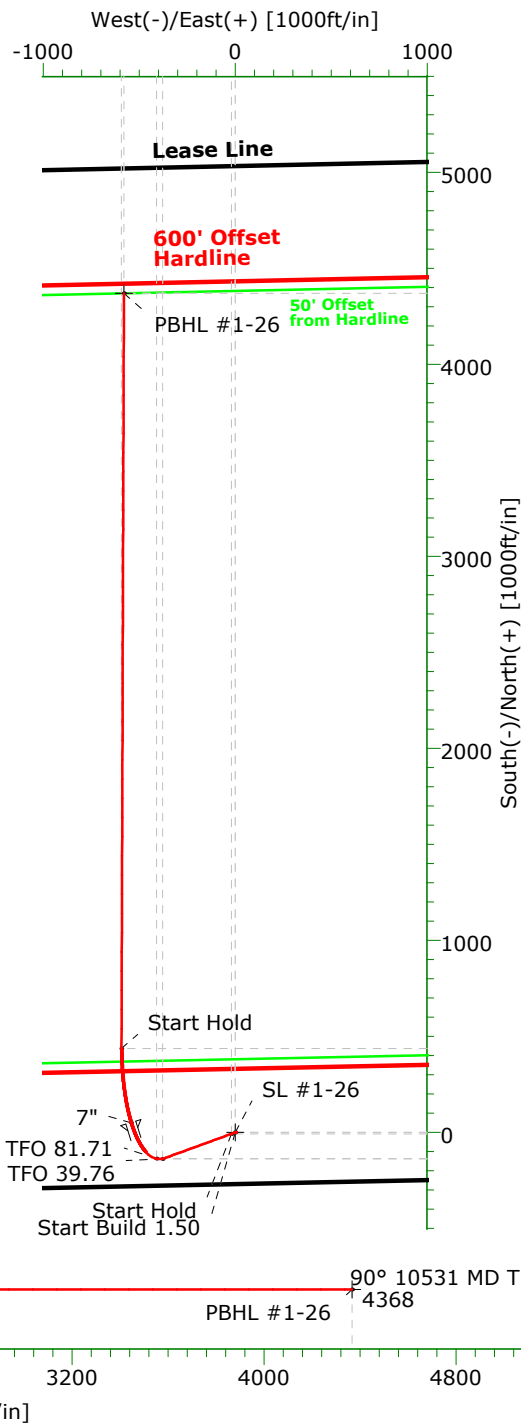
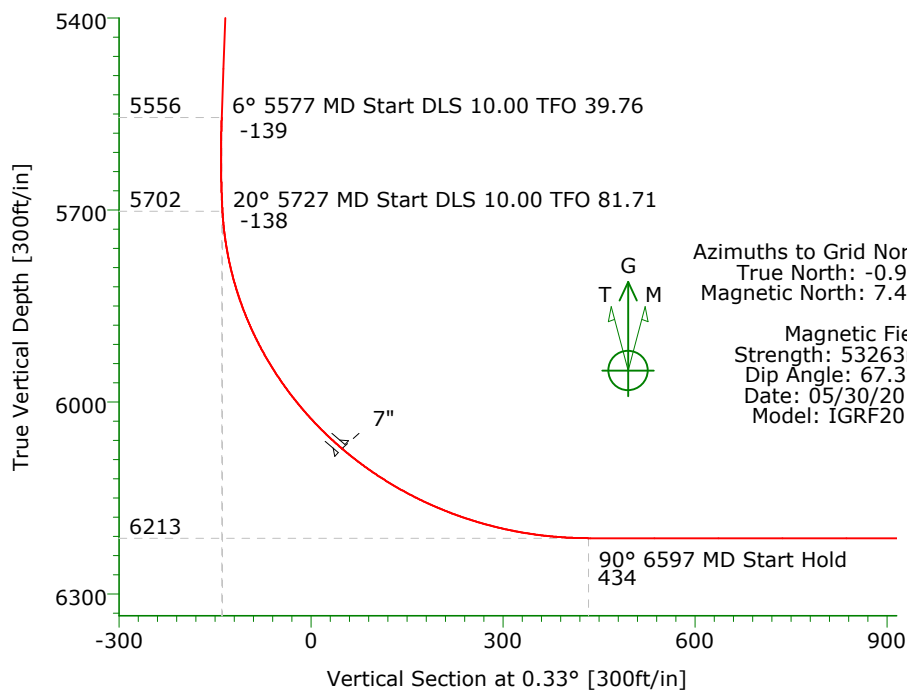
CARRIZO OIL & GAS, INC.

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



CASING DETAILS

No.	TVD	MD	Name	Size
1	6073.00	6174.42	7"	7.000



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SL #1-26	0.00	0.00	0.00	1474476.56	3401047.83	40°37'36.689N	104°03'18.544W	Point
PBHL #1-26	6213.00	4371.31	-579.25	1478847.87	3400468.58	40°38'19.971N	104°03'25.133W	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	1940.00	6.00	250.00	1939.27	-7.16	-19.66	1.50	250.00	-7.27	
4	5576.63	6.00	250.00	5555.98	-137.17	-376.87	0.00	0.00	-139.34	
5	5726.88	20.00	279.00	5702.13	-135.83	-409.82	10.00	39.76	-138.19	
6	6596.83	90.00	0.18	6213.00	436.92	-591.74	10.00	81.71	433.51	
7	10531.23	90.00	0.18	6213.00	4371.31	-579.25	0.00	0.00	4367.90	PBHL #1-26

Company: CARRIZO OIL & GAS, INC.	Date: 05/17/2012	Time: 07:32:30	Page: 1
Field: Niobrara CONZ'83	Co-ordinate(NE) Reference: Well: 1-26-34-8-60, Grid North		
Site: Hemberger Pad	Vertical (TVD) Reference: 4874'GL+17'KB 4891.0		
Well: 1-26-34-8-60	Section (VS) Reference: Well (0.00N,0.00E,0.33Azi)		
Wellpath: Original Hole	Plan: Plan #1		

Field: Niobrara CONZ'83
Weld County, CO

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 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: 1-26-34-8-60	Slot Name: 1-26-3
Well Position: +N/-S 0.00 ft	Latitude: 40 37 36.689 N
+E/-W 0.00 ft	Longitude: 104 3 18.544 W
Position Uncertainty: 0.00 ft	

Wellpath: Original Hole	Drilled From: Surface
Current Datum: 4874'GL+17'KB	Tie-on Depth: 0.00 ft
Magnetic Data: 05/30/2012	Above System Datum: Mean Sea Level
Field Strength: 53263 nT	Declination: 8.37 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 67.32 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00
0.00	0.00
0.00	0.33

Plan: Plan #1	Date Composed: 04/30/2012
Principal: No	Version: 1
	Tied-to: 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	
1540.00	0.00	0.00	1540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1940.00	6.00	250.00	1939.27	-7.16	-19.66	1.50	1.50	0.00	250.00	
5576.63	6.00	250.00	5555.98	-137.17	-376.87	0.00	0.00	0.00	0.00	
5726.88	20.00	279.00	5702.13	-135.83	-409.82	10.00	9.32	19.30	39.76	
6596.83	90.00	0.18	6213.00	436.92	-591.74	10.00	8.05	9.33	81.71	
10531.23	90.00	0.18	6213.00	4371.31	-579.25	0.00	0.00	0.00	0.00	PBHL #1-26

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	250.00	1600.00	-0.16	-0.44	-0.16	1.50	1.50	0.00	
1700.00	2.40	250.00	1699.95	-1.15	-3.15	-1.16	1.50	1.50	0.00	
1800.00	3.90	250.00	1799.80	-3.03	-8.31	-3.07	1.50	1.50	0.00	
1900.00	5.40	250.00	1899.47	-5.80	-15.93	-5.89	1.50	1.50	0.00	
1940.00	6.00	250.00	1939.27	-7.16	-19.66	-7.27	1.50	1.50	0.00	
2000.00	6.00	250.00	1998.94	-9.30	-25.56	-9.45	0.00	0.00	0.00	
2100.00	6.00	250.00	2098.39	-12.88	-35.38	-13.08	0.00	0.00	0.00	
2200.00	6.00	250.00	2197.85	-16.45	-45.20	-16.71	0.00	0.00	0.00	
2300.00	6.00	250.00	2297.30	-20.03	-55.02	-20.34	0.00	0.00	0.00	
2400.00	6.00	250.00	2396.75	-23.60	-64.85	-23.98	0.00	0.00	0.00	
2500.00	6.00	250.00	2496.20	-27.18	-74.67	-27.61	0.00	0.00	0.00	
2600.00	6.00	250.00	2595.65	-30.75	-84.49	-31.24	0.00	0.00	0.00	
2700.00	6.00	250.00	2695.11	-34.33	-94.31	-34.87	0.00	0.00	0.00	
2800.00	6.00	250.00	2794.56	-37.90	-104.14	-38.50	0.00	0.00	0.00	

Company: CARRIZO OIL & GAS, INC.**Field:** Niobrara CONZ'83**Site:** Hemberger Pad**Well:** 1-26-34-8-60**Wellpath:** Original Hole**Date:** 05/17/2012**Time:** 07:32:30**Page:** 2**Co-ordinate(NE) Reference:** Well: 1-26-34-8-60, Grid North**Vertical (TVD) Reference:** 4874'GL+17'KB 4891.0**Section (VS) Reference:** Well (0.00N,0.00E,0.33Azi)**Plan:** Plan #1**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	6.00	250.00	2894.01	-41.48	-113.96	-42.13	0.00	0.00	0.00	
3000.00	6.00	250.00	2993.46	-45.05	-123.78	-45.76	0.00	0.00	0.00	
3100.00	6.00	250.00	3092.91	-48.63	-133.60	-49.40	0.00	0.00	0.00	
3200.00	6.00	250.00	3192.37	-52.20	-143.43	-53.03	0.00	0.00	0.00	
3300.00	6.00	250.00	3291.82	-55.78	-153.25	-56.66	0.00	0.00	0.00	
3400.00	6.00	250.00	3391.27	-59.35	-163.07	-60.29	0.00	0.00	0.00	
3500.00	6.00	250.00	3490.72	-62.93	-172.89	-63.92	0.00	0.00	0.00	
3600.00	6.00	250.00	3590.18	-66.50	-182.72	-67.55	0.00	0.00	0.00	
3700.00	6.00	250.00	3689.63	-70.08	-192.54	-71.19	0.00	0.00	0.00	
3800.00	6.00	250.00	3789.08	-73.65	-202.36	-74.82	0.00	0.00	0.00	
3900.00	6.00	250.00	3888.53	-77.23	-212.18	-78.45	0.00	0.00	0.00	
4000.00	6.00	250.00	3987.98	-80.80	-222.01	-82.08	0.00	0.00	0.00	
4100.00	6.00	250.00	4087.44	-84.38	-231.83	-85.71	0.00	0.00	0.00	
4200.00	6.00	250.00	4186.89	-87.95	-241.65	-89.34	0.00	0.00	0.00	
4300.00	6.00	250.00	4286.34	-91.53	-251.47	-92.98	0.00	0.00	0.00	
4400.00	6.00	250.00	4385.79	-95.10	-261.30	-96.61	0.00	0.00	0.00	
4500.00	6.00	250.00	4485.25	-98.68	-271.12	-100.24	0.00	0.00	0.00	
4600.00	6.00	250.00	4584.70	-102.25	-280.94	-103.87	0.00	0.00	0.00	
4700.00	6.00	250.00	4684.15	-105.83	-290.76	-107.50	0.00	0.00	0.00	
4800.00	6.00	250.00	4783.60	-109.40	-300.59	-111.13	0.00	0.00	0.00	
4900.00	6.00	250.00	4883.05	-112.98	-310.41	-114.77	0.00	0.00	0.00	
5000.00	6.00	250.00	4982.51	-116.55	-320.23	-118.40	0.00	0.00	0.00	
5100.00	6.00	250.00	5081.96	-120.13	-330.05	-122.03	0.00	0.00	0.00	
5200.00	6.00	250.00	5181.41	-123.70	-339.88	-125.66	0.00	0.00	0.00	
5300.00	6.00	250.00	5280.86	-127.28	-349.70	-129.29	0.00	0.00	0.00	
5400.00	6.00	250.00	5380.32	-130.85	-359.52	-132.92	0.00	0.00	0.00	
5500.00	6.00	250.00	5479.77	-134.43	-369.34	-136.55	0.00	0.00	0.00	
5576.63	6.00	250.00	5555.98	-137.17	-376.87	-139.34	0.00	0.00	0.00	
5600.00	7.94	260.89	5579.17	-137.84	-379.61	-140.03	10.00	8.29	46.58	
5650.00	12.55	272.09	5628.37	-138.19	-388.45	-140.43	10.00	9.22	22.40	
5700.00	17.37	277.24	5676.66	-137.05	-401.29	-139.36	10.00	9.65	10.31	
5726.88	20.00	279.00	5702.13	-135.83	-409.82	-138.19	10.00	9.78	6.55	
5750.00	20.46	285.56	5723.82	-134.13	-417.61	-136.53	10.00	1.97	28.37	
5800.00	22.21	298.46	5770.42	-127.27	-434.35	-129.77	10.00	3.52	25.80	
5850.00	24.83	309.16	5816.28	-116.13	-450.81	-118.73	10.00	5.23	21.41	
5900.00	28.06	317.75	5861.06	-100.79	-466.87	-103.47	10.00	6.46	17.18	
5950.00	31.72	324.60	5904.41	-81.35	-482.40	-84.13	10.00	7.32	13.70	
6000.00	35.68	330.12	5946.01	-57.98	-497.29	-60.85	10.00	7.91	11.04	
6050.00	39.84	334.65	5985.54	-30.85	-511.42	-33.79	10.00	8.33	9.06	
6100.00	44.15	338.44	6022.70	-0.16	-524.68	-3.18	10.00	8.62	7.58	
6150.00	48.57	341.68	6057.20	33.85	-536.99	30.76	10.00	8.84	6.48	
6174.42	50.76	343.10	6073.00	51.59	-542.61	48.47	10.00	8.96	5.83	7"
6200.00	53.07	344.50	6088.78	70.93	-548.23	67.77	10.00	9.03	5.47	
6250.00	57.63	347.00	6117.21	110.78	-558.32	107.57	10.00	9.11	5.01	
6300.00	62.23	349.26	6142.26	153.12	-567.20	149.85	10.00	9.20	4.52	
6350.00	66.86	351.34	6163.74	197.60	-574.79	194.29	10.00	9.27	4.16	
6400.00	71.52	353.28	6181.50	243.91	-581.03	240.56	10.00	9.32	3.88	
6450.00	76.20	355.11	6195.40	291.68	-585.87	288.30	10.00	9.36	3.67	
6500.00	80.89	356.88	6205.32	340.55	-589.29	337.15	10.00	9.38	3.53	
6550.00	85.59	358.59	6211.20	390.15	-591.25	386.73	10.00	9.40	3.43	
6596.83	90.00	0.18	6213.00	436.92	-591.74	433.51	10.00	9.41	3.39	
6600.00	90.00	0.18	6213.00	440.10	-591.73	436.68	0.00	0.00	0.00	
6700.00	90.00	0.18	6213.00	540.09	-591.42	536.68	0.00	0.00	0.00	

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Hemberger Pad
Well: 1-26-34-8-60
Wellpath: Original Hole

Date: 05/17/2012
Co-ordinate(NE) Reference: Well: 1-26-34-8-60, 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
6800.00	90.00	0.18	6213.00	640.09	-591.10	636.68	0.00	0.00	0.00	
6900.00	90.00	0.18	6213.00	740.09	-590.78	736.68	0.00	0.00	0.00	
7000.00	90.00	0.18	6213.00	840.09	-590.46	836.68	0.00	0.00	0.00	
7100.00	90.00	0.18	6213.00	940.09	-590.15	936.68	0.00	0.00	0.00	
7200.00	90.00	0.18	6213.00	1040.09	-589.83	1036.68	0.00	0.00	0.00	
7300.00	90.00	0.18	6213.00	1140.09	-589.51	1136.68	0.00	0.00	0.00	
7400.00	90.00	0.18	6213.00	1240.09	-589.19	1236.68	0.00	0.00	0.00	
7500.00	90.00	0.18	6213.00	1340.09	-588.88	1336.68	0.00	0.00	0.00	
7600.00	90.00	0.18	6213.00	1440.09	-588.56	1436.68	0.00	0.00	0.00	
7700.00	90.00	0.18	6213.00	1540.09	-588.24	1536.68	0.00	0.00	0.00	
7800.00	90.00	0.18	6213.00	1640.09	-587.92	1636.68	0.00	0.00	0.00	
7900.00	90.00	0.18	6213.00	1740.09	-587.61	1736.68	0.00	0.00	0.00	
8000.00	90.00	0.18	6213.00	1840.09	-587.29	1836.68	0.00	0.00	0.00	
8100.00	90.00	0.18	6213.00	1940.09	-586.97	1936.67	0.00	0.00	0.00	
8200.00	90.00	0.18	6213.00	2040.09	-586.65	2036.67	0.00	0.00	0.00	
8300.00	90.00	0.18	6213.00	2140.09	-586.34	2136.67	0.00	0.00	0.00	
8400.00	90.00	0.18	6213.00	2240.09	-586.02	2236.67	0.00	0.00	0.00	
8500.00	90.00	0.18	6213.00	2340.09	-585.70	2336.67	0.00	0.00	0.00	
8600.00	90.00	0.18	6213.00	2440.09	-585.38	2436.67	0.00	0.00	0.00	
8700.00	90.00	0.18	6213.00	2540.08	-585.07	2536.67	0.00	0.00	0.00	
8800.00	90.00	0.18	6213.00	2640.08	-584.75	2636.67	0.00	0.00	0.00	
8900.00	90.00	0.18	6213.00	2740.08	-584.43	2736.67	0.00	0.00	0.00	
9000.00	90.00	0.18	6213.00	2840.08	-584.11	2836.67	0.00	0.00	0.00	
9100.00	90.00	0.18	6213.00	2940.08	-583.80	2936.67	0.00	0.00	0.00	
9200.00	90.00	0.18	6213.00	3040.08	-583.48	3036.67	0.00	0.00	0.00	
9300.00	90.00	0.18	6213.00	3140.08	-583.16	3136.67	0.00	0.00	0.00	
9400.00	90.00	0.18	6213.00	3240.08	-582.84	3236.67	0.00	0.00	0.00	
9500.00	90.00	0.18	6213.00	3340.08	-582.52	3336.67	0.00	0.00	0.00	
9600.00	90.00	0.18	6213.00	3440.08	-582.21	3436.67	0.00	0.00	0.00	
9700.00	90.00	0.18	6213.00	3540.08	-581.89	3536.67	0.00	0.00	0.00	
9800.00	90.00	0.18	6213.00	3640.08	-581.57	3636.67	0.00	0.00	0.00	
9900.00	90.00	0.18	6213.00	3740.08	-581.25	3736.67	0.00	0.00	0.00	
10000.00	90.00	0.18	6213.00	3840.08	-580.94	3836.67	0.00	0.00	0.00	
10100.00	90.00	0.18	6213.00	3940.08	-580.62	3936.67	0.00	0.00	0.00	
10200.00	90.00	0.18	6213.00	4040.08	-580.30	4036.67	0.00	0.00	0.00	
10300.00	90.00	0.18	6213.00	4140.08	-579.98	4136.67	0.00	0.00	0.00	
10400.00	90.00	0.18	6213.00	4240.08	-579.67	4236.67	0.00	0.00	0.00	
10500.00	90.00	0.18	6213.00	4340.08	-579.35	4336.67	0.00	0.00	0.00	
10531.23	90.00	0.18	6213.00	4371.31	-579.25	4367.90	0.00	0.00	0.00	PBHL #1-26

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		
SL #1-26			0.00	0.00	0.00	1474476.56	3401047.83	40	37	36.689 N	104	3	18.544 W
PBHL #1-26			6213.00	4371.31	-579.25	1478847.87	3400468.58	40	38	19.971 N	104	3	25.133 W

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Hemberger Pad
Well: 1-26-34-8-60
Wellpath: Original Hole

Date: 05/17/2012
Co-ordinate(NE) Reference: Well: 1-26-34-8-60, Grid North
Vertical (TVD) Reference: 4874'GL+17'KB 4891.0
Section (VS) Reference: Well (0.00N,0.00E,0.33Azi)
Plan: Plan #1

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Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
6174.42	6073.00	7.000	8.750	7"