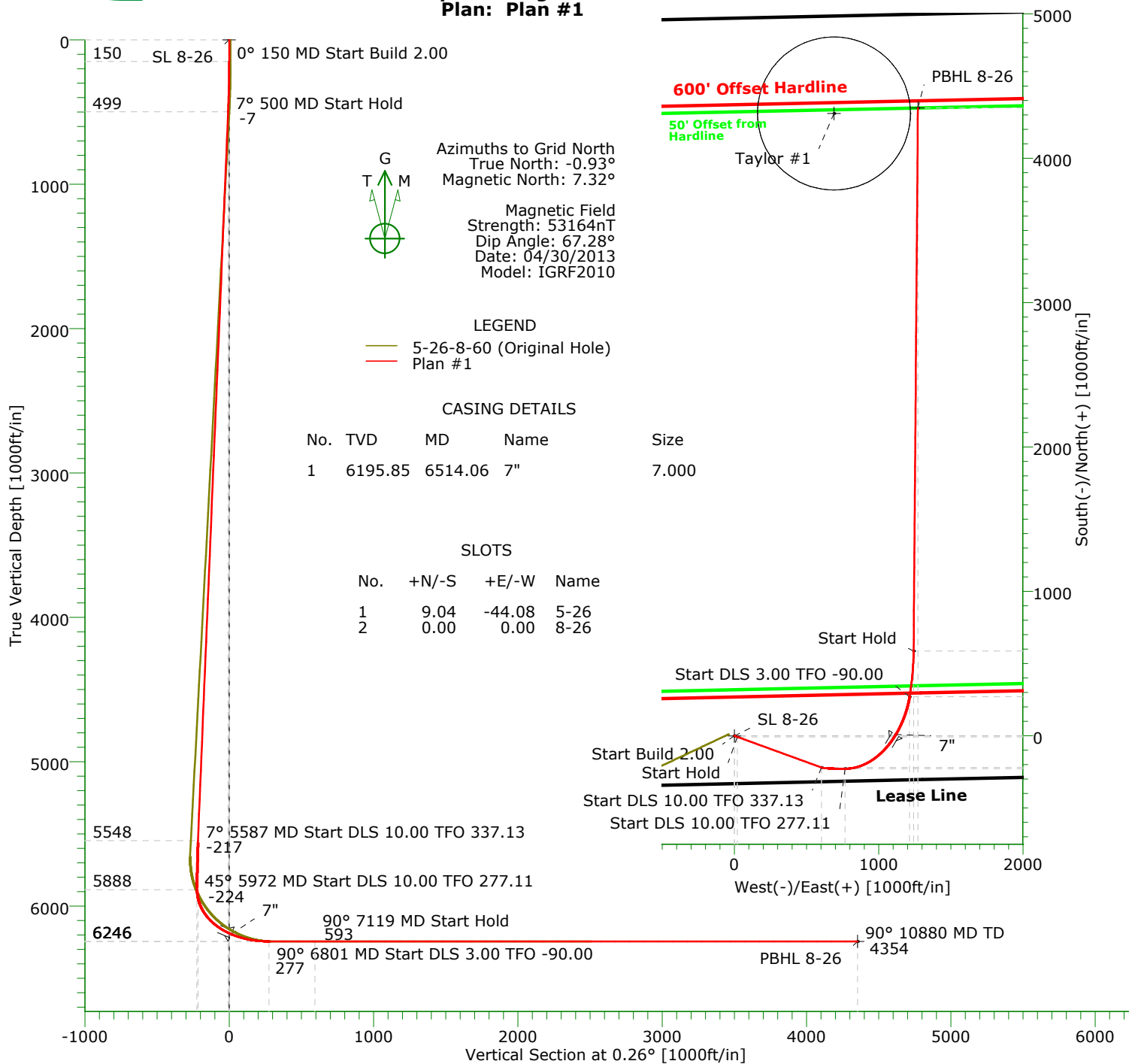




CARRIZO OIL & GAS, INC.

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



Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC. Field: Niobrara CONZ'83 Site: Bailey 2-26-8-60 Pad Well: 8-26-8-60 Wellpath: Original Hole	Date: 03/26/2013 Co-ordinate(NE) Reference: Well: 8-26-8-60, 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: 1
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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: Bailey 2-26-8-60 Pad Centered on 5-26-8-60 Weld County, CO			
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 4874.00 ft	Northing: 1474497.30 ft Easting: 3398639.49 ft	Latitude: 40 37 37.280 N Longitude: 104 3 49.770 W North Reference: Grid Grid Convergence: 0.93 deg	

Well: 8-26-8-60 330' FSL 1348' FWL Well Position: +N/-S -9.04 ft +E/-W 44.08 ft Position Uncertainty: 0.00 ft	Slot Name: 8-26 Latitude: 40 37 37.184 N Longitude: 104 3 49.200 W
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Wellpath: Original Hole Current Datum: 4874'GL+17'KB Magnetic Data: 04/30/2013 Field Strength: 53164 nT Vertical Section: Depth From (TVD) ft	Height 4891.00 ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.25 deg Mag Dip Angle: 67.28 deg +N/-S ft +E/-W ft Direction deg
0.00	0.00	0.00

Plan: Plan #1 Principal: No	Date Composed: 03/26/2013 Version: 1 Tied-to: From Surface
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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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	7.00	110.00	499.13	-7.30	20.07	2.00	2.00	0.00	110.00	
5586.79	7.00	110.00	5548.00	-219.33	602.60	0.00	0.00	0.00	0.00	
5971.60	45.00	90.00	5887.90	-227.67	766.91	10.00	9.87	-5.20	337.13	
6801.06	90.00	10.00	6246.00	271.08	1212.96	10.00	5.43	-9.64	277.11	
7119.40	90.00	0.45	6246.00	587.73	1241.91	3.00	0.00	-3.00	-90.00	
10880.38	90.00	0.45	6246.00	4348.59	1271.44	0.00	0.00	0.00	0.00	PBHL 8-26

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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	1.00	110.00	200.00	-0.15	0.41	-0.15	2.00	2.00	0.00	
300.00	3.00	110.00	299.93	-1.34	3.69	-1.33	2.00	2.00	0.00	
400.00	5.00	110.00	399.68	-3.73	10.24	-3.68	2.00	2.00	0.00	
500.00	7.00	110.00	499.13	-7.30	20.07	-7.21	2.00	2.00	0.00	
600.00	7.00	110.00	598.38	-11.47	31.52	-11.33	0.00	0.00	0.00	
700.00	7.00	110.00	697.64	-15.64	42.97	-15.44	0.00	0.00	0.00	
800.00	7.00	110.00	796.89	-19.81	54.42	-19.56	0.00	0.00	0.00	
900.00	7.00	110.00	896.15	-23.98	65.87	-23.68	0.00	0.00	0.00	
1000.00	7.00	110.00	995.40	-28.14	77.33	-27.79	0.00	0.00	0.00	
1100.00	7.00	110.00	1094.66	-32.31	88.78	-31.91	0.00	0.00	0.00	
1200.00	7.00	110.00	1193.91	-36.48	100.23	-36.03	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: 8-26-8-60
Wellpath: Original Hole

Date: 03/26/2013
Co-ordinate(NE) Reference: Well: 8-26-8-60, 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
1300.00	7.00	110.00	1293.17	-40.65	111.68	-40.14	0.00	0.00	0.00	
1400.00	7.00	110.00	1392.42	-44.82	123.13	-44.26	0.00	0.00	0.00	
1500.00	7.00	110.00	1491.68	-48.99	134.59	-48.37	0.00	0.00	0.00	
1600.00	7.00	110.00	1590.93	-53.15	146.04	-52.49	0.00	0.00	0.00	
1700.00	7.00	110.00	1690.19	-57.32	157.49	-56.61	0.00	0.00	0.00	
1800.00	7.00	110.00	1789.44	-61.49	168.94	-60.72	0.00	0.00	0.00	
1900.00	7.00	110.00	1888.69	-65.66	180.39	-64.84	0.00	0.00	0.00	
2000.00	7.00	110.00	1987.95	-69.83	191.85	-68.95	0.00	0.00	0.00	
2100.00	7.00	110.00	2087.20	-73.99	203.30	-73.07	0.00	0.00	0.00	
2200.00	7.00	110.00	2186.46	-78.16	214.75	-77.19	0.00	0.00	0.00	
2300.00	7.00	110.00	2285.71	-82.33	226.20	-81.30	0.00	0.00	0.00	
2400.00	7.00	110.00	2384.97	-86.50	237.65	-85.42	0.00	0.00	0.00	
2500.00	7.00	110.00	2484.22	-90.67	249.11	-89.54	0.00	0.00	0.00	
2600.00	7.00	110.00	2583.48	-94.84	260.56	-93.65	0.00	0.00	0.00	
2700.00	7.00	110.00	2682.73	-99.00	272.01	-97.77	0.00	0.00	0.00	
2800.00	7.00	110.00	2781.99	-103.17	283.46	-101.88	0.00	0.00	0.00	
2900.00	7.00	110.00	2881.24	-107.34	294.91	-106.00	0.00	0.00	0.00	
3000.00	7.00	110.00	2980.50	-111.51	306.37	-110.12	0.00	0.00	0.00	
3100.00	7.00	110.00	3079.75	-115.68	317.82	-114.23	0.00	0.00	0.00	
3200.00	7.00	110.00	3179.00	-119.84	329.27	-118.35	0.00	0.00	0.00	
3300.00	7.00	110.00	3278.26	-124.01	340.72	-122.46	0.00	0.00	0.00	
3400.00	7.00	110.00	3377.51	-128.18	352.17	-126.58	0.00	0.00	0.00	
3500.00	7.00	110.00	3476.77	-132.35	363.63	-130.70	0.00	0.00	0.00	
3600.00	7.00	110.00	3576.02	-136.52	375.08	-134.81	0.00	0.00	0.00	
3700.00	7.00	110.00	3675.28	-140.69	386.53	-138.93	0.00	0.00	0.00	
3800.00	7.00	110.00	3774.53	-144.85	397.98	-143.05	0.00	0.00	0.00	
3900.00	7.00	110.00	3873.79	-149.02	409.43	-147.16	0.00	0.00	0.00	
4000.00	7.00	110.00	3973.04	-153.19	420.88	-151.28	0.00	0.00	0.00	
4100.00	7.00	110.00	4072.30	-157.36	432.34	-155.39	0.00	0.00	0.00	
4200.00	7.00	110.00	4171.55	-161.53	443.79	-159.51	0.00	0.00	0.00	
4300.00	7.00	110.00	4270.81	-165.69	455.24	-163.63	0.00	0.00	0.00	
4400.00	7.00	110.00	4370.06	-169.86	466.69	-167.74	0.00	0.00	0.00	
4500.00	7.00	110.00	4469.31	-174.03	478.14	-171.86	0.00	0.00	0.00	
4600.00	7.00	110.00	4568.57	-178.20	489.60	-175.98	0.00	0.00	0.00	
4700.00	7.00	110.00	4667.82	-182.37	501.05	-180.09	0.00	0.00	0.00	
4800.00	7.00	110.00	4767.08	-186.53	512.50	-184.21	0.00	0.00	0.00	
4900.00	7.00	110.00	4866.33	-190.70	523.95	-188.32	0.00	0.00	0.00	
5000.00	7.00	110.00	4965.59	-194.87	535.40	-192.44	0.00	0.00	0.00	
5100.00	7.00	110.00	5064.84	-199.04	546.86	-196.56	0.00	0.00	0.00	
5200.00	7.00	110.00	5164.10	-203.21	558.31	-200.67	0.00	0.00	0.00	
5300.00	7.00	110.00	5263.35	-207.38	569.76	-204.79	0.00	0.00	0.00	
5400.00	7.00	110.00	5362.61	-211.54	581.21	-208.90	0.00	0.00	0.00	
5500.00	7.00	110.00	5461.86	-215.71	592.66	-213.02	0.00	0.00	0.00	
5586.79	7.00	110.00	5548.00	-219.33	602.60	-216.59	0.00	0.00	0.00	
5600.00	8.23	106.41	5561.10	-219.87	604.27	-217.13	10.00	9.33	-27.15	
5700.00	17.98	95.69	5658.39	-223.43	626.55	-220.59	10.00	9.74	-10.73	
5800.00	27.90	92.42	5750.37	-225.96	665.37	-222.94	10.00	9.92	-3.27	
5900.00	37.86	90.78	5834.25	-227.37	719.57	-224.10	10.00	9.96	-1.64	
5971.60	45.00	90.00	5887.90	-227.67	766.91	-224.18	10.00	9.97	-1.09	
6000.00	45.42	86.04	5907.91	-226.97	787.05	-223.39	10.00	1.48	-13.94	
6100.00	47.93	72.72	5976.68	-213.45	858.20	-209.55	10.00	2.51	-13.32	
6200.00	51.85	60.67	6041.23	-183.08	928.10	-178.87	10.00	3.92	-12.05	
6300.00	56.86	50.01	6099.59	-136.80	994.63	-132.29	10.00	5.01	-10.66	

Precision Directional Services, Inc.

Planning Report

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

Date: 03/26/2013
Co-ordinate(NE) Reference: Well: 8-26-8-60, 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
6400.00	62.68	40.58	6150.00	-76.00	1055.76	-71.21	10.00	5.82	-9.43	7"
6500.00	69.06	32.14	6190.93	-2.54	1109.64	2.50	10.00	6.38	-8.44	
6514.06	69.99	31.01	6195.85	8.68	1116.54	13.75	10.00	6.63	-8.00	
6600.00	75.82	24.41	6221.12	81.36	1154.63	86.60	10.00	6.78	-7.69	
6700.00	82.82	17.13	6239.67	173.15	1189.36	178.54	10.00	7.00	-7.28	
6800.00	89.92	10.07	6246.00	270.03	1212.77	275.53	10.00	7.11	-7.05	
6801.06	90.00	10.00	6246.00	271.08	1212.96	276.58	10.00	7.13	-7.02	
6900.00	90.00	7.03	6246.00	368.91	1227.61	374.48	3.00	0.00	-3.00	
7000.00	90.00	4.03	6246.00	468.43	1237.25	474.04	3.00	0.00	-3.00	
7100.00	90.00	1.03	6246.00	568.33	1241.66	573.95	3.00	0.00	-3.00	
7119.40	90.00	0.45	6246.00	587.73	1241.91	593.36	3.00	0.00	-3.00	
7200.00	90.00	0.45	6246.00	668.32	1242.55	673.95	0.00	0.00	0.00	
7300.00	90.00	0.45	6246.00	768.32	1243.33	773.95	0.00	0.00	0.00	
7400.00	90.00	0.45	6246.00	868.32	1244.12	873.95	0.00	0.00	0.00	
7500.00	90.00	0.45	6246.00	968.31	1244.90	973.95	0.00	0.00	0.00	
7600.00	90.00	0.45	6246.00	1068.31	1245.69	1073.95	0.00	0.00	0.00	
7700.00	90.00	0.45	6246.00	1168.31	1246.47	1173.95	0.00	0.00	0.00	
7800.00	90.00	0.45	6246.00	1268.30	1247.26	1273.95	0.00	0.00	0.00	
7900.00	90.00	0.45	6246.00	1368.30	1248.04	1373.95	0.00	0.00	0.00	
8000.00	90.00	0.45	6246.00	1468.30	1248.83	1473.95	0.00	0.00	0.00	
8100.00	90.00	0.45	6246.00	1568.29	1249.61	1573.95	0.00	0.00	0.00	
8200.00	90.00	0.45	6246.00	1668.29	1250.40	1673.95	0.00	0.00	0.00	
8300.00	90.00	0.45	6246.00	1768.29	1251.18	1773.95	0.00	0.00	0.00	
8400.00	90.00	0.45	6246.00	1868.28	1251.97	1873.95	0.00	0.00	0.00	
8500.00	90.00	0.45	6246.00	1968.28	1252.75	1973.95	0.00	0.00	0.00	
8600.00	90.00	0.45	6246.00	2068.28	1253.54	2073.95	0.00	0.00	0.00	
8700.00	90.00	0.45	6246.00	2168.28	1254.32	2173.94	0.00	0.00	0.00	
8800.00	90.00	0.45	6246.00	2268.27	1255.11	2273.94	0.00	0.00	0.00	
8900.00	90.00	0.45	6246.00	2368.27	1255.89	2373.94	0.00	0.00	0.00	
9000.00	90.00	0.45	6246.00	2468.27	1256.68	2473.94	0.00	0.00	0.00	
9100.00	90.00	0.45	6246.00	2568.26	1257.46	2573.94	0.00	0.00	0.00	
9200.00	90.00	0.45	6246.00	2668.26	1258.25	2673.94	0.00	0.00	0.00	
9300.00	90.00	0.45	6246.00	2768.26	1259.03	2773.94	0.00	0.00	0.00	
9400.00	90.00	0.45	6246.00	2868.25	1259.82	2873.94	0.00	0.00	0.00	
9500.00	90.00	0.45	6246.00	2968.25	1260.60	2973.94	0.00	0.00	0.00	
9600.00	90.00	0.45	6246.00	3068.25	1261.39	3073.94	0.00	0.00	0.00	
9700.00	90.00	0.45	6246.00	3168.24	1262.17	3173.94	0.00	0.00	0.00	
9800.00	90.00	0.45	6246.00	3268.24	1262.96	3273.94	0.00	0.00	0.00	
9900.00	90.00	0.45	6246.00	3368.24	1263.74	3373.94	0.00	0.00	0.00	
10000.00	90.00	0.45	6246.00	3468.24	1264.53	3473.94	0.00	0.00	0.00	
10100.00	90.00	0.45	6246.00	3568.23	1265.31	3573.94	0.00	0.00	0.00	
10200.00	90.00	0.45	6246.00	3668.23	1266.10	3673.94	0.00	0.00	0.00	
10300.00	90.00	0.45	6246.00	3768.23	1266.88	3773.94	0.00	0.00	0.00	
10400.00	90.00	0.45	6246.00	3868.22	1267.67	3873.94	0.00	0.00	0.00	
10500.00	90.00	0.45	6246.00	3968.22	1268.45	3973.93	0.00	0.00	0.00	
10600.00	90.00	0.45	6246.00	4068.22	1269.24	4073.93	0.00	0.00	0.00	
10700.00	90.00	0.45	6246.00	4168.21	1270.02	4173.93	0.00	0.00	0.00	
10800.00	90.00	0.45	6246.00	4268.21	1270.81	4273.93	0.00	0.00	0.00	
10880.38	90.00	0.45	6246.00	4348.59	1271.44	4354.31	0.00	0.00	0.00	PBHL 8-26

Precision Directional Services, Inc.

Planning Report

Company: CARRIZO OIL & GAS, INC. Field: Niobrara CONZ'83 Site: Bailey 2-26-8-60 Pad Well: 8-26-8-60 Wellpath: Original Hole	Date: 03/26/2013 Co-ordinate(NE) Reference: Well: 8-26-8-60, Grid North Vertical (TVD) Reference: 4874'GL+17'KB 4891.0 Section (VS) Reference: Well (0.00N,0.00E,0.26Azi) Plan: Plan #1	Time: 13:23:58 Page: 4
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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
Taylor #1 -Circle (Radius: 530)			-100.00	4310.54	689.56	1478798.80	3399373.13	40	38	19.662	N	104	3 39.351 W
SL 8-26			0.00	0.00	0.00	1474488.26	3398683.57	40	37	37.184	N	104	3 49.200 W
PBHL 8-26			6246.00	4348.59	1271.44	1478836.85	3399955.01	40	38	19.945	N	104	3 31.796 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
6514.06	6195.85	7.000	8.500	7"