



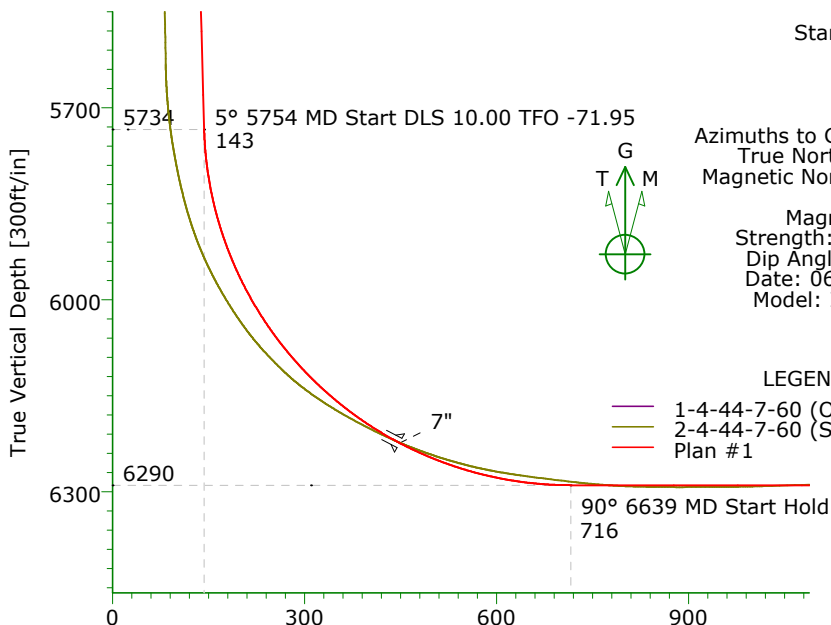
CARRIZO OIL & GAS, INC.

Field: Niobrara CONZ'83
Site: Pergamos 4-44-7-60
Well: 2-4-34-7-60
Wellpath: Original Hole
Plan: Plan #1

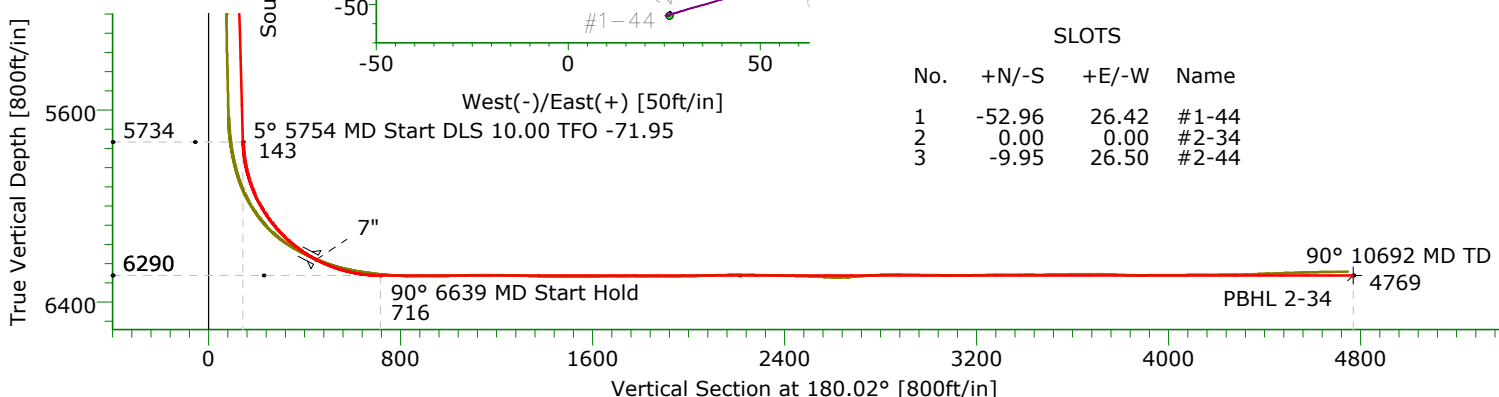
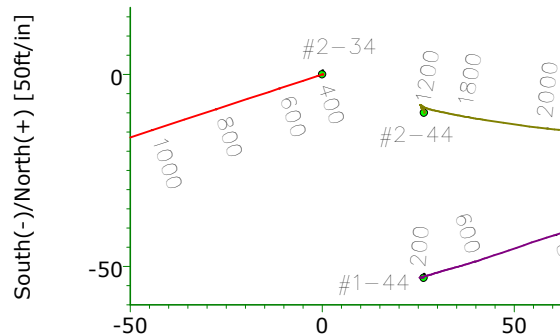


CASING DETAILS

No.	TVD	MD	Name	Size
1	1440.00	1443.51	9 5/8"	9.625
2	6224.00	6360.66	7"	7.000



Vertical Section at 180.02° [300ft/in]



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SL 2-34	0.00	0.00	0.00	1463531.22	3390656.88	40°35'50.197N	104°05'35.542W	Point
PBHL 2-34	6290.00	-4769.25	-485.72	1458761.97	3390171.16	40°35'03.151N	104°05'42.817W	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	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	633.33	5.00	251.90	632.91	-4.52	-13.82	1.50	251.90	4.52	
4	5754.40	5.00	251.90	5734.49	-143.18	-438.06	0.00	0.00	143.33	
5	6638.87	90.00	180.02	6290.00	-715.91	-484.43	10.00	-71.95	716.08	
6	10692.21	90.00	180.02	6290.00	-4769.25	-485.72	0.00	0.00	4769.42	PBHL 2-34

Plan: Plan #1 (2-4-34-7-60/Original Hole)

Created By: Shane Nelson

Date: 06/19/2012

PRECISION DIRECTIONAL SERVICES, INC.

713.435.6250

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Pergamos 4-44-7-60
Well: 2-4-34-7-60
Wellpath: Original Hole

Date: 06/19/2012
Co-ordinate(NE) Reference: Well: 2-4-34-7-60, Grid North
Vertical (TVD) Reference: 4910'GL+17'KB 4927.0
Section (VS) Reference: Well (0.00N,0.00E,180.02Azi)
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: Pergamos 4-44-7-60
S:4,T:7N,R:60W
Weld County, CO

Site Position:
From: Map
Position Uncertainty: 0.00 ft
Ground Level: 4910.00 ft

Northing: 1463521.27 ft
Easting: 3390683.38 ft

Latitude: 40 35 50.095 N
Longitude: 104 5 35.201 W
North Reference: Grid
Grid Convergence: 0.91 deg

Well: 2-4-34-7-60

Slot Name: #2-34

Well Position: +N/-S 9.95 ft
+E/-W -26.50 ft
Position Uncertainty: 0.00 ft

Northing: 1463531.22 ft
Easting: 3390656.88 ft

Latitude: 40 35 50.197 N
Longitude: 104 5 35.542 W

Wellpath: Original Hole

Current Datum: 4910'GL+17'KB
Magnetic Data: 06/27/2012
Field Strength: 53235 nT
Vertical Section: Depth From (TVD)
ft

Height 4927.00 ft

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 8.38 deg
Mag Dip Angle: 67.28 deg
+E/-W ft
Direction deg

0.00

0.00

0.00

180.02

Plan: Plan #1

Date Composed: 06/19/2012
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	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	251.90	632.91	-4.52	-13.82	1.50	1.50	0.00	251.90	
5754.40	5.00	251.90	5734.49	-143.18	-438.06	0.00	0.00	0.00	0.00	
6638.87	90.00	180.02	6290.00	-715.91	-484.43	10.00	9.61	-8.13	-71.95	
10692.21	90.00	180.02	6290.00	-4769.25	-485.72	0.00	0.00	0.00	0.00	PBHL 2-34

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
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	1.50	251.90	399.99	-0.41	-1.24	0.41	1.50	1.50	0.00	
500.00	3.00	251.90	499.91	-1.63	-4.98	1.63	1.50	1.50	0.00	
600.00	4.50	251.90	599.69	-3.66	-11.19	3.66	1.50	1.50	0.00	
633.33	5.00	251.90	632.91	-4.52	-13.82	4.52	1.50	1.50	0.00	
700.00	5.00	251.90	699.32	-6.32	-19.34	6.33	0.00	0.00	0.00	
800.00	5.00	251.90	798.94	-9.03	-27.62	9.04	0.00	0.00	0.00	
900.00	5.00	251.90	898.56	-11.74	-35.91	11.75	0.00	0.00	0.00	
1000.00	5.00	251.90	998.18	-14.44	-44.19	14.46	0.00	0.00	0.00	
1100.00	5.00	251.90	1097.80	-17.15	-52.48	17.17	0.00	0.00	0.00	
1200.00	5.00	251.90	1197.42	-19.86	-60.76	19.88	0.00	0.00	0.00	
1300.00	5.00	251.90	1297.04	-22.57	-69.04	22.59	0.00	0.00	0.00	
1400.00	5.00	251.90	1396.66	-25.27	-77.33	25.30	0.00	0.00	0.00	
1443.51	5.00	251.90	1440.00	-26.45	-80.93	26.48	0.00	0.00	0.00	9 5/8"
1500.00	5.00	251.90	1496.28	-27.98	-85.61	28.01	0.00	0.00	0.00	

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Pergamos 4-44-7-60
Well: 2-4-34-7-60
Wellpath: Original Hole

Date: 06/19/2012
Co-ordinate(NE) Reference: Well: 2-4-34-7-60, Grid North
Vertical (TVD) Reference: 4910'GL+17'KB 4927.0
Section (VS) Reference: Well (0.00N,0.00E,180.02Azi)
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
1600.00	5.00	251.90	1595.90	-30.69	-93.90	30.72	0.00	0.00	0.00	
1700.00	5.00	251.90	1695.52	-33.40	-102.18	33.43	0.00	0.00	0.00	
1800.00	5.00	251.90	1795.14	-36.11	-110.47	36.14	0.00	0.00	0.00	
1900.00	5.00	251.90	1894.76	-38.81	-118.75	38.86	0.00	0.00	0.00	
2000.00	5.00	251.90	1994.38	-41.52	-127.03	41.57	0.00	0.00	0.00	
2100.00	5.00	251.90	2094.00	-44.23	-135.32	44.28	0.00	0.00	0.00	
2200.00	5.00	251.90	2193.62	-46.94	-143.60	46.99	0.00	0.00	0.00	
2300.00	5.00	251.90	2293.23	-49.64	-151.89	49.70	0.00	0.00	0.00	
2400.00	5.00	251.90	2392.85	-52.35	-160.17	52.41	0.00	0.00	0.00	
2500.00	5.00	251.90	2492.47	-55.06	-168.46	55.12	0.00	0.00	0.00	
2600.00	5.00	251.90	2592.09	-57.77	-176.74	57.83	0.00	0.00	0.00	
2700.00	5.00	251.90	2691.71	-60.48	-185.02	60.54	0.00	0.00	0.00	
2800.00	5.00	251.90	2791.33	-63.18	-193.31	63.25	0.00	0.00	0.00	
2900.00	5.00	251.90	2890.95	-65.89	-201.59	65.96	0.00	0.00	0.00	
3000.00	5.00	251.90	2990.57	-68.60	-209.88	68.67	0.00	0.00	0.00	
3100.00	5.00	251.90	3090.19	-71.31	-218.16	71.38	0.00	0.00	0.00	
3200.00	5.00	251.90	3189.81	-74.01	-226.45	74.09	0.00	0.00	0.00	
3300.00	5.00	251.90	3289.43	-76.72	-234.73	76.80	0.00	0.00	0.00	
3400.00	5.00	251.90	3389.05	-79.43	-243.01	79.51	0.00	0.00	0.00	
3500.00	5.00	251.90	3488.67	-82.14	-251.30	82.22	0.00	0.00	0.00	
3600.00	5.00	251.90	3588.29	-84.84	-259.58	84.94	0.00	0.00	0.00	
3700.00	5.00	251.90	3687.91	-87.55	-267.87	87.65	0.00	0.00	0.00	
3800.00	5.00	251.90	3787.53	-90.26	-276.15	90.36	0.00	0.00	0.00	
3900.00	5.00	251.90	3887.15	-92.97	-284.44	93.07	0.00	0.00	0.00	
4000.00	5.00	251.90	3986.77	-95.68	-292.72	95.78	0.00	0.00	0.00	
4100.00	5.00	251.90	4086.39	-98.38	-301.00	98.49	0.00	0.00	0.00	
4200.00	5.00	251.90	4186.00	-101.09	-309.29	101.20	0.00	0.00	0.00	
4300.00	5.00	251.90	4285.62	-103.80	-317.57	103.91	0.00	0.00	0.00	
4400.00	5.00	251.90	4385.24	-106.51	-325.86	106.62	0.00	0.00	0.00	
4500.00	5.00	251.90	4484.86	-109.21	-334.14	109.33	0.00	0.00	0.00	
4600.00	5.00	251.90	4584.48	-111.92	-342.43	112.04	0.00	0.00	0.00	
4700.00	5.00	251.90	4684.10	-114.63	-350.71	114.75	0.00	0.00	0.00	
4800.00	5.00	251.90	4783.72	-117.34	-358.99	117.46	0.00	0.00	0.00	
4900.00	5.00	251.90	4883.34	-120.05	-367.28	120.17	0.00	0.00	0.00	
5000.00	5.00	251.90	4982.96	-122.75	-375.56	122.88	0.00	0.00	0.00	
5100.00	5.00	251.90	5082.58	-125.46	-383.85	125.59	0.00	0.00	0.00	
5200.00	5.00	251.90	5182.20	-128.17	-392.13	128.31	0.00	0.00	0.00	
5300.00	5.00	251.90	5281.82	-130.88	-400.42	131.02	0.00	0.00	0.00	
5400.00	5.00	251.90	5381.44	-133.58	-408.70	133.73	0.00	0.00	0.00	
5500.00	5.00	251.90	5481.06	-136.29	-416.98	136.44	0.00	0.00	0.00	
5600.00	5.00	251.90	5580.68	-139.00	-425.27	139.15	0.00	0.00	0.00	
5700.00	5.00	251.90	5680.30	-141.71	-433.55	141.86	0.00	0.00	0.00	
5754.40	5.00	251.90	5734.49	-143.18	-438.06	143.33	0.00	0.00	0.00	
5800.00	7.74	217.75	5779.82	-146.23	-441.83	146.38	10.00	6.00	-74.90	
5850.00	12.08	202.89	5829.07	-153.71	-445.93	153.87	10.00	8.67	-29.71	
5900.00	16.78	196.02	5877.48	-165.47	-449.96	165.63	10.00	9.41	-13.73	
5950.00	21.62	192.13	5924.69	-181.43	-453.89	181.58	10.00	9.67	-7.79	
6000.00	26.51	189.61	5970.33	-201.45	-457.69	201.61	10.00	9.79	-5.03	
6050.00	31.44	187.84	6014.06	-225.38	-461.33	225.54	10.00	9.85	-3.56	
6100.00	36.38	186.50	6055.54	-253.05	-464.79	253.21	10.00	9.89	-2.68	
6150.00	41.34	185.44	6094.47	-284.24	-468.04	284.41	10.00	9.91	-2.11	
6200.00	46.30	184.58	6130.53	-318.72	-471.05	318.89	10.00	9.93	-1.73	
6250.00	51.27	183.84	6163.46	-356.22	-473.80	356.39	10.00	9.94	-1.47	
6300.00	56.25	183.20	6193.01	-396.46	-476.27	396.63	10.00	9.95	-1.28	

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Pergamos 4-44-7-60
Well: 2-4-34-7-60
Wellpath: Original Hole

Date: 06/19/2012
Co-ordinate(NE) Reference: Well: 2-4-34-7-60, Grid North
Vertical (TVD) Reference: 4910'GL+17'KB 4927.0
Section (VS) Reference: Well (0.00N,0.00E,180.02Azi)
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
6350.00	61.22	182.64	6218.96	-439.13	-478.44	439.30	10.00	9.95	-1.14	
6360.66	62.28	182.52	6224.00	-448.51	-478.86	448.67	10.00	9.96	-1.07	7"
6400.00	66.20	182.12	6241.09	-483.90	-480.29	484.07	10.00	9.96	-1.02	
6450.00	71.18	181.64	6259.26	-530.45	-481.82	530.61	10.00	9.96	-0.96	
6500.00	76.16	181.19	6273.31	-578.40	-483.00	578.57	10.00	9.96	-0.90	
6550.00	81.14	180.76	6283.15	-627.40	-483.83	627.57	10.00	9.96	-0.86	
6600.00	86.13	180.34	6288.69	-677.07	-484.31	677.24	10.00	9.97	-0.84	
6638.87	90.00	180.02	6290.00	-715.91	-484.43	716.08	10.00	9.97	-0.83	
6700.00	90.00	180.02	6290.00	-777.04	-484.45	777.21	0.00	0.00	0.00	
6800.00	90.00	180.02	6290.00	-877.04	-484.48	877.21	0.00	0.00	0.00	
6900.00	90.00	180.02	6290.00	-977.04	-484.52	977.21	0.00	0.00	0.00	
7000.00	90.00	180.02	6290.00	-1077.04	-484.55	1077.21	0.00	0.00	0.00	
7100.00	90.00	180.02	6290.00	-1177.04	-484.58	1177.21	0.00	0.00	0.00	
7200.00	90.00	180.02	6290.00	-1277.04	-484.61	1277.21	0.00	0.00	0.00	
7300.00	90.00	180.02	6290.00	-1377.04	-484.64	1377.21	0.00	0.00	0.00	
7400.00	90.00	180.02	6290.00	-1477.04	-484.67	1477.21	0.00	0.00	0.00	
7500.00	90.00	180.02	6290.00	-1577.04	-484.71	1577.21	0.00	0.00	0.00	
7600.00	90.00	180.02	6290.00	-1677.04	-484.74	1677.21	0.00	0.00	0.00	
7700.00	90.00	180.02	6290.00	-1777.04	-484.77	1777.21	0.00	0.00	0.00	
7800.00	90.00	180.02	6290.00	-1877.04	-484.80	1877.21	0.00	0.00	0.00	
7900.00	90.00	180.02	6290.00	-1977.04	-484.83	1977.21	0.00	0.00	0.00	
8000.00	90.00	180.02	6290.00	-2077.04	-484.87	2077.21	0.00	0.00	0.00	
8100.00	90.00	180.02	6290.00	-2177.04	-484.90	2177.21	0.00	0.00	0.00	
8200.00	90.00	180.02	6290.00	-2277.04	-484.93	2277.21	0.00	0.00	0.00	
8300.00	90.00	180.02	6290.00	-2377.04	-484.96	2377.21	0.00	0.00	0.00	
8400.00	90.00	180.02	6290.00	-2477.04	-484.99	2477.21	0.00	0.00	0.00	
8500.00	90.00	180.02	6290.00	-2577.04	-485.02	2577.21	0.00	0.00	0.00	
8600.00	90.00	180.02	6290.00	-2677.04	-485.06	2677.21	0.00	0.00	0.00	
8700.00	90.00	180.02	6290.00	-2777.04	-485.09	2777.21	0.00	0.00	0.00	
8800.00	90.00	180.02	6290.00	-2877.04	-485.12	2877.21	0.00	0.00	0.00	
8900.00	90.00	180.02	6290.00	-2977.04	-485.15	2977.21	0.00	0.00	0.00	
9000.00	90.00	180.02	6290.00	-3077.04	-485.18	3077.21	0.00	0.00	0.00	
9100.00	90.00	180.02	6290.00	-3177.04	-485.21	3177.21	0.00	0.00	0.00	
9200.00	90.00	180.02	6290.00	-3277.04	-485.25	3277.21	0.00	0.00	0.00	
9300.00	90.00	180.02	6290.00	-3377.04	-485.28	3377.21	0.00	0.00	0.00	
9400.00	90.00	180.02	6290.00	-3477.04	-485.31	3477.21	0.00	0.00	0.00	
9500.00	90.00	180.02	6290.00	-3577.04	-485.34	3577.21	0.00	0.00	0.00	
9600.00	90.00	180.02	6290.00	-3677.04	-485.37	3677.21	0.00	0.00	0.00	
9700.00	90.00	180.02	6290.00	-3777.04	-485.40	3777.21	0.00	0.00	0.00	
9800.00	90.00	180.02	6290.00	-3877.04	-485.44	3877.21	0.00	0.00	0.00	
9900.00	90.00	180.02	6290.00	-3977.04	-485.47	3977.21	0.00	0.00	0.00	
10000.00	90.00	180.02	6290.00	-4077.04	-485.50	4077.21	0.00	0.00	0.00	
10100.00	90.00	180.02	6290.00	-4177.04	-485.53	4177.21	0.00	0.00	0.00	
10200.00	90.00	180.02	6290.00	-4277.04	-485.56	4277.21	0.00	0.00	0.00	
10300.00	90.00	180.02	6290.00	-4377.04	-485.60	4377.21	0.00	0.00	0.00	
10400.00	90.00	180.02	6290.00	-4477.04	-485.63	4477.21	0.00	0.00	0.00	
10500.00	90.00	180.02	6290.00	-4577.04	-485.66	4577.21	0.00	0.00	0.00	
10600.00	90.00	180.02	6290.00	-4677.04	-485.69	4677.21	0.00	0.00	0.00	
10692.21	90.00	180.02	6290.00	-4769.25	-485.72	4769.42	0.00	0.00	0.00	PBHL 2-34

Company: CARRIZO OIL & GAS, INC.
Field: Niobrara CONZ'83
Site: Pergamos 4-44-7-60
Well: 2-4-34-7-60
Wellpath: Original Hole

Date: 06/19/2012
Co-ordinate(NE) Reference: Well: 2-4-34-7-60, Grid North
Vertical (TVD) Reference: 4910'GL+17'KB 4927.0
Section (VS) Reference: Well (0.00N,0.00E,180.02Azi)
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 2-34			0.00	0.00	0.00	1463531.22	3390656.88	40	35	50.197	N	104	5	35.542	W
PBHL 2-34			6290.00	-4769.25	-485.72	1458761.97	3390171.16	40	35	3.151	N	104	5	42.817	W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
1443.51	1440.00	9.625	12.250	9 5/8"
6360.66	6224.00	7.000	8.500	7"

Company: CARRIZO OIL & GAS, INC. **Date:** 06/19/2012 **Time:** 15:39:55 **Page:** 1
Field: Niobrara CONZ'83
Reference Site: Pergamos 4-44-7-60 **Co-ordinate(NE) Reference:** Well: 2-4-34-7-60, Grid North
Reference Well: 2-4-34-7-60 **Vertical (TVD) Reference:** 4910'GL+17'KB 4927.0
Reference Wellpath: Original Hole **Db:** Adapti

NO GLOBAL SCAN: Using user defined selection & scan criteria

Interpolation Method: MD **Interval:** 100.00 ft
Depth Range: 300.00 to 10692.21 ft
Maximum Radius: 100.00 ft

Reference: Plan: Plan #1
Error Model: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1 **Date Composed:** 06/19/2012
Principal: No **Version:** 1
Tied-to: From Surface

Summary

<----- Offset Wellpath ----->			Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Site	Well	Wellpath						
Pergamos 4-44-7-60	1-4-44-7-60	Original Hole V0	700.00	694.44	79.27	75.71	22.23	
Pergamos 4-44-7-60	2-4-44-7-60	Sidetrack V0	600.00	599.70	38.17	36.34	20.86	

Site: Pergamos 4-44-7-60
Well: 1-4-44-7-60
Wellpath: Original Hole V0 **Inter-Site Error:** 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
300.00	300.00	299.98	299.97	0.74	0.74	262.44	-52.83	25.39	58.61	57.13	39.56	
400.00	399.99	399.58	399.56	1.00	1.00	259.54	-52.44	27.10	59.25	57.25	29.56	
500.00	499.91	498.64	498.51	1.27	1.26	251.67	-51.06	31.63	61.53	59.00	24.35	
600.00	599.69	596.77	596.30	1.53	1.52	240.18	-48.86	39.34	67.88	64.83	22.28	
700.00	699.32	694.44	693.40	1.79	1.78	228.24	-45.55	49.29	79.27	75.71	22.23	
800.00	798.94	792.46	790.79	2.06	2.04	219.18	-42.06	59.78	93.79	89.71	22.95	

Site: Pergamos 4-44-7-60
Well: 2-4-44-7-60
Wellpath: Sidetrack V0 **Inter-Site Error:** 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
300.00	300.00	300.06	300.06	0.74	0.15	218.55	-9.95	26.69	28.48	27.60	32.04	
400.00	399.99	400.00	400.00	1.00	0.20	216.54	-9.71	26.67	29.43	28.22	24.46	
500.00	499.91	499.97	499.97	1.27	0.25	212.12	-9.50	26.64	32.58	31.07	21.48	
600.00	599.69	599.70	599.70	1.53	0.31	206.58	-9.24	26.57	38.17	36.34	20.86	
700.00	699.32	699.33	699.33	1.79	0.36	201.43	-8.93	26.59	46.00	43.86	21.45	
800.00	798.94	798.95	798.95	2.06	0.41	197.93	-8.80	26.58	54.20	51.74	22.03	
900.00	898.56	898.63	898.63	2.32	0.46	195.56	-8.91	26.53	62.50	59.72	22.51	
1000.00	998.18	998.40	998.40	2.59	0.51	193.82	-9.11	26.34	70.73	67.64	22.87	
1100.00	1097.80	1098.04	1098.03	2.85	0.57	192.27	-9.08	26.03	78.92	75.51	23.15	
1200.00	1197.42	1197.42	1197.42	3.12	0.62	190.76	-8.64	25.83	87.31	83.59	23.44	
1300.00	1297.04	1297.10	1297.09	3.38	0.67	189.49	-8.16	25.74	95.88	91.83	23.72	