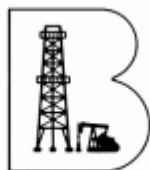




Weatherford®

Drilling Services

Proposal



Berry Petroleum Company

BERRY PETROLEUM CO.

CHEVRON J29 596 #29-1D

GARFIELD COUNTY, COLORADO

WELL FILE: **PLAN 1**

JUNE 27, 2008

Weatherford International, Ltd.
2000 OIL DRIVE
CASPER WYOMING 82604 USA
+1-307-268-7900 Main
www.weatherford.com



Berry Petroleum Company

CHEVRON #29-1D
SEC 29 T5S R96W
2391' FSL, 1375' FEL
GARFIELD COUNTY, COLORADO

SECTION DETAILS

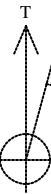
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	160.00	0.00	0.00	160.00	0.00	0.00	0.00	0.00	0.00	
3	410.00	5.00	270.00	409.68	0.00	-10.90	2.00	270.00	10.70	
4	710.00	5.00	270.00	708.54	0.00	-37.05	0.00	0.00	36.37	
5	770.74	5.00	283.97	769.05	0.64	-42.29	2.00	90.00	41.64	
6	1250.00	5.00	283.97	1246.49	10.73	-82.82	0.00	0.00	83.35	
7	1895.32	21.13	284.10	1873.02	46.09	-223.87	2.50	0.17	228.55	
8	6123.83	21.13	284.10	5817.15	417.46	-1702.47	0.00	0.00	1750.80	
9	7180.48	0.00	0.00	6850.00	464.40	-1889.33	2.00	180.00	1943.18	
10	7505.48	3.25	240.00	7174.83	459.79	-1897.31	1.00	240.00	1950.14	
11	9934.56	3.25	240.00	9600.00	390.94	-2016.57	0.00	0.00	2054.12	PBHL_29-1D

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#29-1D	48.90	-63.60	1649072.87	2242972.38	39°35'05.122N	108°11'10.977W	N/A

FORMATION TOP DETAILS

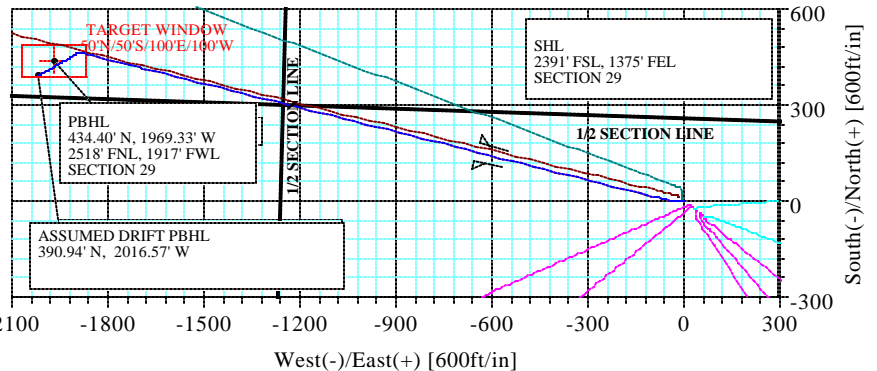
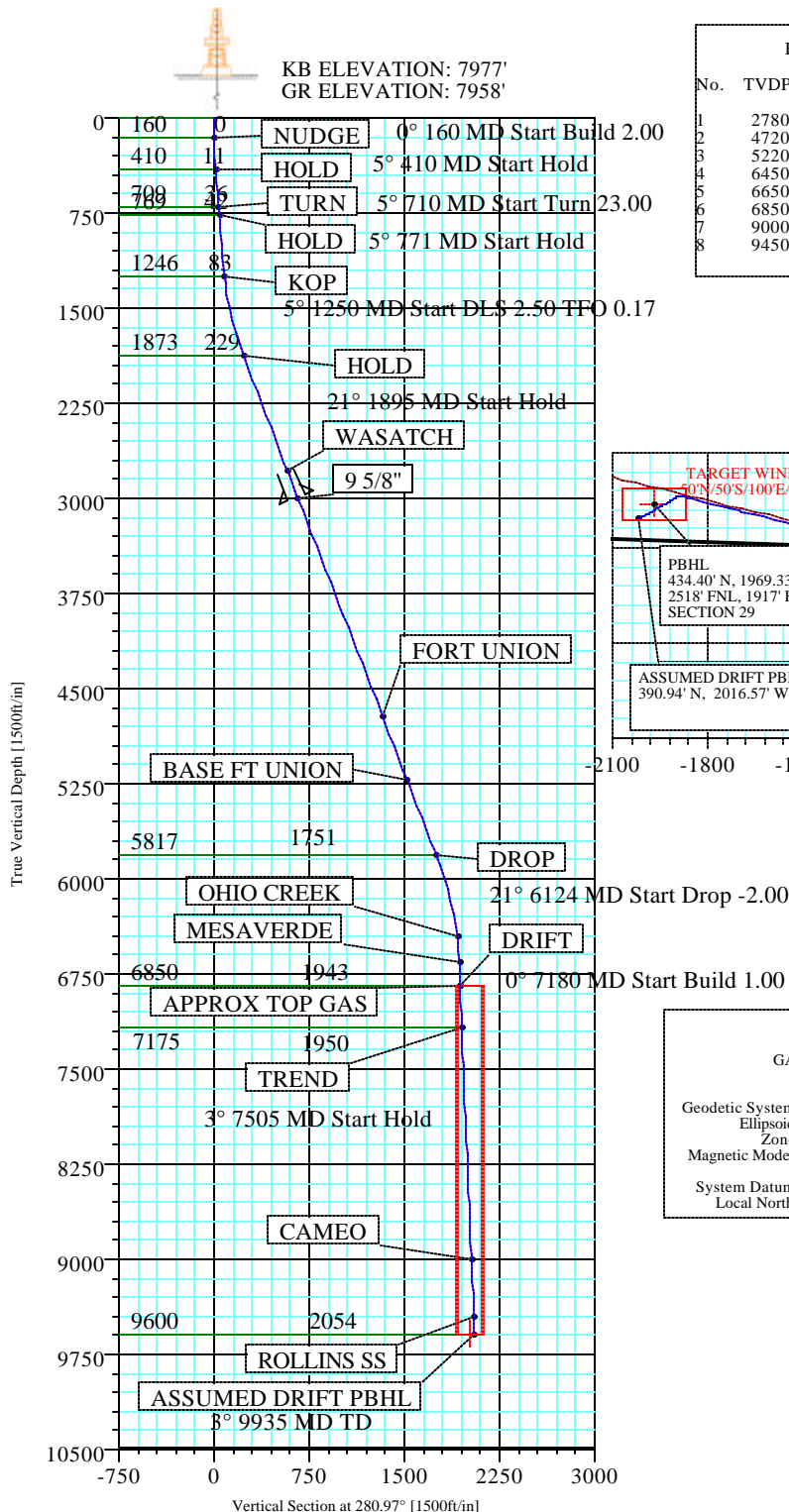
No.	TVDPath	MDPath	Formation
1	2780.00	2867.69	WASATCH
2	4720.00	4947.57	FORT UNION
3	5220.00	5483.62	BASE FT UNION
4	6450.00	6779.17	OHIO CREEK
5	6650.00	6980.31	MESAVERDE
6	6850.00	7180.48	APPROX TOP GAS
7	9000.00	9333.59	CAMEO
8	9450.00	9784.32	ROLLINS SS



Azimuths to True North
Magnetic North: 10.87°

Magnetic Field
Strength: 52612nT
Dip Angle: 65.86°
Date: 6/27/2008
Model: bggm2007

TOTAL CORRECTION TRUE NORTH 10.87°



FIELD DETAILS

GARFIELD COUNTY (NAD 83)
COLORADO

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Colorado, Central Zone
Magnetic Model: bggm2007

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

CHEVRON J29 596
SECTION 29
GARFIELD COUNTY, CO

Site Centre Latitude: 39°35'04.639N
Longitude: 108°11'10.165W

Ground Level: 7958.00
Positional Uncertainty: 0.00
Convergence: -1.69



Weatherford®

Plan: Plan #1 (#29-1D/1)

Created By: Robert Scott

Date: 6/27/2008

Weatherford Drilling Services

WELL PLAN REPORT

Company: BERRY PETROLEUM COMPANY	Date: 6/27/2008	Time: 16:38:18	Page: 1
Field: GARFIELD COUNTY (NAD 83)	Co-ordinate(NE) Reference: Well: #29-1D, True North		
Site: CHEVRON J29 596	Vertical (TVD) Reference: SITE 7977.0		
Well: #29-1D	Section (VS) Reference: Well (0.00N,0.00E,280.97Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Plan: Plan #1	Date Composed: 6/27/2008
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: GARFIELD COUNTY (NAD 83)
COLORADO

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

Map Zone: Colorado, Central Zone
Coordinate System: Well Centre
Geomagnetic Model: bggm2007

Site: CHEVRON J29 596
SECTION 29
GARFIELD COUNTY, CO

Site Position:	Northing: 1649022.12 ft	Latitude: 39 35 4.639 N
From: Geographic	Easting: 2243034.50 ft	Longitude: 108 11 10.165 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 7958.00 ft		Grid Convergence: -1.69 deg

Well: #29-1D 2391' FSL, 1375' FEL	Slot Name:
Well Position: +N/-S 48.90 ft	Latitude: 39 35 5.122 N
+E/-W -63.60 ft	Longitude: 108 11 10.977 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 6/27/2008	Above System Datum: Mean Sea Level
Field Strength: 52612 nT	Declination: 10.87 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 65.86 deg
ft	+E/-W
	Direction
	deg
0.00	280.97

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	
160.00	0.00	0.00	160.00	0.00	0.00	0.00	0.00	0.00	0.00	
410.00	5.00	270.00	409.68	0.00	-10.90	2.00	2.00	0.00	270.00	
710.00	5.00	270.00	708.54	0.00	-37.05	0.00	0.00	0.00	0.00	
770.74	5.00	283.97	769.05	0.64	-42.29	2.00	0.00	23.00	90.00	
1250.00	5.00	283.97	1246.49	10.73	-82.82	0.00	0.00	0.00	0.00	
1895.32	21.13	284.10	1873.02	46.09	-223.87	2.50	2.50	0.02	0.17	
6123.83	21.13	284.10	5817.15	417.46	-1702.47	0.00	0.00	0.00	0.00	
7180.48	0.00	0.00	6850.00	464.40	-1889.33	2.00	-2.00	0.00	180.00	
7505.48	3.25	240.00	7174.83	459.79	-1897.31	1.00	1.00	0.00	240.00	
9934.56	3.25	240.00	9600.00	390.94	-2016.57	0.00	0.00	0.00	0.00	PBHL_29-1D

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	Comment
160.00	0.00	0.00	160.00	0.00	0.00	0.00	0.00	0.00	0.00	NUDGE
260.00	2.00	270.00	259.98	0.00	-1.75	1.71	2.00	2.00	0.00	
360.00	4.00	270.00	359.84	0.00	-6.98	6.85	2.00	2.00	0.00	
410.00	5.00	270.00	409.68	0.00	-10.90	10.70	2.00	2.00	0.00	HOLD
460.00	5.00	270.00	459.49	0.00	-15.26	14.98	0.00	0.00	0.00	
560.00	5.00	270.00	559.11	0.00	-23.97	23.54	0.00	0.00	0.00	
660.00	5.00	270.00	658.73	0.00	-32.69	32.09	0.00	0.00	0.00	
710.00	5.00	270.00	708.54	0.00	-37.05	36.37	0.00	0.00	0.00	TURN
760.00	4.98	281.51	758.35	0.43	-41.35	40.68	2.00	-0.04	23.03	
770.74	5.00	283.97	769.05	0.64	-42.29	41.64	2.00	0.20	22.88	HOLD
860.00	5.00	283.97	857.97	2.52	-49.84	49.41	0.00	0.00	0.00	

Weatherford Drilling Services

WELL PLAN REPORT

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: CHEVRON J29 596
Well: #29-1D
Wellpath: 1

Date: 6/27/2008 **Time:** 16:38:18 **Page:** 2
Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Section (VS) Reference: Well (0.00N,0.00E,280.97Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

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	Comment
960.00	5.00	283.97	957.59	4.62	-58.30	58.11	0.00	0.00	0.00	
1060.00	5.00	283.97	1057.21	6.73	-66.75	66.82	0.00	0.00	0.00	
1160.00	5.00	283.97	1156.83	8.83	-75.21	75.52	0.00	0.00	0.00	
1250.00	5.00	283.97	1246.49	10.73	-82.82	83.35	0.00	0.00	0.00	KOP
1260.00	5.25	283.98	1256.45	10.94	-83.69	84.24	2.50	2.50	0.08	
1360.00	7.75	284.03	1355.80	13.68	-94.67	95.55	2.50	2.50	0.05	
1460.00	10.25	284.06	1454.56	17.48	-109.85	111.17	2.50	2.50	0.03	
1560.00	12.75	284.07	1552.54	22.32	-129.19	131.07	2.50	2.50	0.02	
1660.00	15.25	284.08	1649.56	28.21	-152.65	155.23	2.50	2.50	0.01	
1760.00	17.75	284.09	1745.44	35.12	-180.19	183.59	2.50	2.50	0.01	
1860.00	20.25	284.10	1839.98	43.05	-211.77	216.09	2.50	2.50	0.01	
1895.32	21.13	284.10	1873.02	46.09	-223.87	228.55	2.50	2.50	0.01	HOLD
1960.00	21.13	284.10	1933.35	51.77	-246.49	251.84	0.00	0.00	0.00	
2060.00	21.13	284.10	2026.63	60.55	-281.46	287.84	0.00	0.00	0.00	
2160.00	21.13	284.10	2119.90	69.33	-316.42	323.84	0.00	0.00	0.00	
2260.00	21.13	284.10	2213.18	78.12	-351.39	359.84	0.00	0.00	0.00	
2360.00	21.13	284.10	2306.45	86.90	-386.36	395.84	0.00	0.00	0.00	
2460.00	21.13	284.10	2399.73	95.68	-421.33	431.84	0.00	0.00	0.00	
2560.00	21.13	284.10	2493.00	104.46	-456.29	467.84	0.00	0.00	0.00	
2660.00	21.13	284.10	2586.28	113.25	-491.26	503.83	0.00	0.00	0.00	
2760.00	21.13	284.10	2679.55	122.03	-526.23	539.83	0.00	0.00	0.00	
2860.00	21.13	284.10	2772.82	130.81	-561.20	575.83	0.00	0.00	0.00	
2867.69	21.13	284.10	2780.00	131.49	-563.89	578.60	0.00	0.00	0.00	WASATCH
2960.00	21.13	284.10	2866.10	139.60	-596.16	611.83	0.00	0.00	0.00	
3060.00	21.13	284.10	2959.37	148.38	-631.13	647.83	0.00	0.00	0.00	
3103.56	21.13	284.10	3000.00	152.20	-646.36	663.51	0.00	0.00	0.00	9 5/8"
3160.00	21.13	284.10	3052.65	157.16	-666.10	683.83	0.00	0.00	0.00	
3260.00	21.13	284.10	3145.92	165.94	-701.06	719.83	0.00	0.00	0.00	
3360.00	21.13	284.10	3239.20	174.73	-736.03	755.83	0.00	0.00	0.00	
3460.00	21.13	284.10	3332.47	183.51	-771.00	791.83	0.00	0.00	0.00	
3560.00	21.13	284.10	3425.75	192.29	-805.97	827.83	0.00	0.00	0.00	
3660.00	21.13	284.10	3519.02	201.07	-840.93	863.83	0.00	0.00	0.00	
3760.00	21.13	284.10	3612.30	209.86	-875.90	899.83	0.00	0.00	0.00	
3860.00	21.13	284.10	3705.57	218.64	-910.87	935.83	0.00	0.00	0.00	
3960.00	21.13	284.10	3798.85	227.42	-945.84	971.83	0.00	0.00	0.00	
4060.00	21.13	284.10	3892.12	236.20	-980.80	1007.83	0.00	0.00	0.00	
4160.00	21.13	284.10	3985.39	244.99	-1015.77	1043.83	0.00	0.00	0.00	
4260.00	21.13	284.10	4078.67	253.77	-1050.74	1079.83	0.00	0.00	0.00	
4360.00	21.13	284.10	4171.94	262.55	-1085.71	1115.83	0.00	0.00	0.00	
4460.00	21.13	284.10	4265.22	271.34	-1120.67	1151.83	0.00	0.00	0.00	
4560.00	21.13	284.10	4358.49	280.12	-1155.64	1187.83	0.00	0.00	0.00	
4660.00	21.13	284.10	4451.77	288.90	-1190.61	1223.83	0.00	0.00	0.00	
4760.00	21.13	284.10	4545.04	297.68	-1225.57	1259.83	0.00	0.00	0.00	
4860.00	21.13	284.10	4638.32	306.47	-1260.54	1295.83	0.00	0.00	0.00	
4947.57	21.13	284.10	4720.00	314.16	-1291.16	1327.35	0.00	0.00	0.00	FORT UNION
4960.00	21.13	284.10	4731.59	315.25	-1295.51	1331.83	0.00	0.00	0.00	
5060.00	21.13	284.10	4824.87	324.03	-1330.48	1367.83	0.00	0.00	0.00	
5160.00	21.13	284.10	4918.14	332.81	-1365.44	1403.83	0.00	0.00	0.00	
5260.00	21.13	284.10	5011.42	341.60	-1400.41	1439.83	0.00	0.00	0.00	
5360.00	21.13	284.10	5104.69	350.38	-1435.38	1475.83	0.00	0.00	0.00	
5460.00	21.13	284.10	5197.96	359.16	-1470.35	1511.83	0.00	0.00	0.00	
5483.62	21.13	284.10	5220.00	361.24	-1478.61	1520.33	0.00	0.00	0.00	BASE FT UNION
5560.00	21.13	284.10	5291.24	367.95	-1505.31	1547.83	0.00	0.00	0.00	

Weatherford Drilling Services

WELL PLAN REPORT

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: CHEVRON J29 596
Well: #29-1D
Wellpath: 1

Date: 6/27/2008 **Time:** 16:38:18 **Page:** 3
Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Section (VS) Reference: Well (0.00N,0.00E,280.97Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

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	Comment
5660.00	21.13	284.10	5384.51	376.73	-1540.28	1583.83	0.00	0.00	0.00	
5760.00	21.13	284.10	5477.79	385.51	-1575.25	1619.83	0.00	0.00	0.00	
5860.00	21.13	284.10	5571.06	394.29	-1610.22	1655.83	0.00	0.00	0.00	
5960.00	21.13	284.10	5664.34	403.08	-1645.18	1691.83	0.00	0.00	0.00	
6060.00	21.13	284.10	5757.61	411.86	-1680.15	1727.83	0.00	0.00	0.00	
6123.83	21.13	284.10	5817.15	417.46	-1702.47	1750.80	0.00	0.00	0.00	DROP
6160.00	20.41	284.10	5850.97	420.59	-1714.91	1763.61	2.00	-2.00	0.00	
6260.00	18.41	284.10	5945.28	428.69	-1747.14	1796.79	2.00	-2.00	0.00	
6360.00	16.41	284.10	6040.69	435.97	-1776.16	1826.67	2.00	-2.00	0.00	
6460.00	14.41	284.10	6137.09	442.45	-1801.93	1853.20	2.00	-2.00	0.00	
6560.00	12.41	284.10	6234.36	448.09	-1824.42	1876.35	2.00	-2.00	0.00	
6660.00	10.41	284.10	6332.38	452.91	-1843.60	1896.10	2.00	-2.00	0.00	
6760.00	8.41	284.10	6431.03	456.90	-1859.46	1912.43	2.00	-2.00	0.00	
6779.17	8.03	284.10	6450.00	457.56	-1862.12	1915.16	2.00	-2.00	0.00	OHIO CREEK
6860.00	6.41	284.10	6530.19	460.04	-1871.97	1925.30	2.00	-2.00	0.00	
6960.00	4.41	284.10	6629.74	462.33	-1881.11	1934.72	2.00	-2.00	0.00	
6980.31	4.00	284.10	6650.00	462.70	-1882.55	1936.20	2.00	-2.00	0.00	MESAVERDE
7060.00	2.41	284.10	6729.56	463.78	-1886.88	1940.65	2.00	-2.00	0.00	
7160.00	0.41	284.10	6829.52	464.38	-1889.26	1943.11	2.00	-2.00	0.00	
7180.48	0.00	0.00	6850.00	464.40	-1889.33	1943.18	2.00	-2.00	0.00	APPROX TOP GAS
7260.00	0.80	240.00	6929.52	464.12	-1889.81	1943.60	1.00	1.00	0.00	
7360.00	1.80	240.00	7029.49	462.99	-1891.77	1945.31	1.00	1.00	0.00	
7460.00	2.80	240.00	7129.41	460.99	-1895.24	1948.33	1.00	1.00	0.00	
7505.48	3.25	240.00	7174.83	459.79	-1897.31	1950.14	1.00	1.00	0.00	TREND
7560.00	3.25	240.00	7229.26	458.25	-1899.99	1952.48	0.00	0.00	0.00	
7660.00	3.25	240.00	7329.10	455.41	-1904.90	1956.76	0.00	0.00	0.00	
7760.00	3.25	240.00	7428.94	452.58	-1909.81	1961.04	0.00	0.00	0.00	
7860.00	3.25	240.00	7528.78	449.74	-1914.72	1965.32	0.00	0.00	0.00	
7960.00	3.25	240.00	7628.62	446.91	-1919.63	1969.60	0.00	0.00	0.00	
8060.00	3.25	240.00	7728.46	444.07	-1924.54	1973.88	0.00	0.00	0.00	
8160.00	3.25	240.00	7828.30	441.24	-1929.45	1978.16	0.00	0.00	0.00	
8260.00	3.25	240.00	7928.14	438.40	-1934.36	1982.44	0.00	0.00	0.00	
8360.00	3.25	240.00	8027.97	435.57	-1939.27	1986.72	0.00	0.00	0.00	
8460.00	3.25	240.00	8127.81	432.73	-1944.18	1991.00	0.00	0.00	0.00	
8560.00	3.25	240.00	8227.65	429.90	-1949.09	1995.28	0.00	0.00	0.00	
8660.00	3.25	240.00	8327.49	427.07	-1954.00	1999.56	0.00	0.00	0.00	
8760.00	3.25	240.00	8427.33	424.23	-1958.91	2003.84	0.00	0.00	0.00	
8860.00	3.25	240.00	8527.17	421.40	-1963.82	2008.12	0.00	0.00	0.00	
8960.00	3.25	240.00	8627.01	418.56	-1968.73	2012.40	0.00	0.00	0.00	
9060.00	3.25	240.00	8726.85	415.73	-1973.64	2016.68	0.00	0.00	0.00	
9160.00	3.25	240.00	8826.69	412.89	-1978.55	2020.96	0.00	0.00	0.00	
9260.00	3.25	240.00	8926.53	410.06	-1983.46	2025.24	0.00	0.00	0.00	
9333.59	3.25	240.00	9000.00	407.97	-1987.07	2028.39	0.00	0.00	0.00	CAMEO
9360.00	3.25	240.00	9026.37	407.22	-1988.37	2029.52	0.00	0.00	0.00	
9460.00	3.25	240.00	9126.21	404.39	-1993.28	2033.81	0.00	0.00	0.00	
9560.00	3.25	240.00	9226.04	401.55	-1998.18	2038.09	0.00	0.00	0.00	
9660.00	3.25	240.00	9325.88	398.72	-2003.09	2042.37	0.00	0.00	0.00	
9760.00	3.25	240.00	9425.72	395.88	-2008.00	2046.65	0.00	0.00	0.00	
9784.32	3.25	240.00	9450.00	395.20	-2009.20	2047.69	0.00	0.00	0.00	ROLLINS SS
9860.00	3.25	240.00	9525.56	393.05	-2012.91	2050.93	0.00	0.00	0.00	
9934.56	3.25	240.00	9600.00	390.94	-2016.57	2054.12	0.00	0.00	0.00	PBHL_29-1D

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: CHEVRON J29 596 Well: #29-1D Wellpath: 1	Date: 6/27/2008 Time: 16:38:18 Page: 4 Co-ordinate(NE) Reference: Well: #29-1D, True North Vertical (TVD) Reference: SITE 7977.0 Section (VS) Reference: Well (0.00N,0.00E,280.97Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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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 --->		
PBHL_29-1D		9600.00	434.40	-1969.33	1649565.312241016.75		39	35	9.415 N	108	11	36.132 W
-Rectangle (100x200)												
-Plan out by 64.20 at		9600.00	390.94	-2016.57	1649523.262240968.25		39	35	8.985 N	108	11	36.735 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3103.56	3000.00	9.625	12.250	9 5/8"

Annotation

MD ft	TVD ft	
160.00	160.00	NUDGE
410.00	409.68	HOLD
710.00	708.54	TURN
770.74	769.05	HOLD
1250.00	1246.49	KOP
1895.32	1873.02	HOLD
6123.83	5817.15	DROP
7180.48	6850.00	DRIPT
7505.48	7174.83	TREND
9934.56	9600.00	ASSUMED DRIPT PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2867.69	2780.00	WASATCH		0.00	0.00
4947.57	4720.00	FORT UNION		0.00	0.00
5483.62	5220.00	BASE FT UNION		0.00	0.00
6779.17	6450.00	OHIO CREEK		0.00	0.00
6980.31	6650.00	MESAVERDE		0.00	0.00
7180.48	6850.00	APPROX TOP GAS		0.00	0.00
9333.59	9000.00	CAMEO		0.00	0.00
9784.32	9450.00	ROLLINS SS		0.00	0.00

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-1D
Reference Wellpath:

Date: 6/27/2008
Time: 16:33:18
Page: 1

Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD
Interval: 100.00 ft
Depth Range: 0.00 to 200000.00 ft
Maximum Radius: 20000.00 ft

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

Plan: Plan #1
Date Composed: 6/27/2008
Version: 1
Tied-to: From Surface

Principal: Yes

Summary

Site	Offset Wellpath	Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
CHEVRON J29 596	#29-2D	1 V0 Plan: Plan #1 V1		9900.00	9894.99	258.99	170.13	2.91	
CHEVRON J29 596	#29-32D	1 V0 Plan: Plan #1 V1		600.00	600.29	17.02	14.60	7.03	
CHEVRON J29 596	#29-4D	1 V0 Plan: Plan #1 V1		1100.00	1097.82	27.61	22.52	5.42	

Site: CHEVRON J29 596
Well: #29-2D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	308.55	6.23	-7.82	10.00			No Data
100.00	100.00	100.00	100.00	0.09	0.09	308.55	6.23	-7.82	10.00	9.82	54.93	
200.00	200.00	199.91	199.91	0.31	0.32	40.80	6.51	-7.82	9.96	9.34	15.89	
300.00	299.94	299.53	299.47	0.53	0.54	65.35	9.63	-7.82	10.60	9.53	9.90	
400.00	399.72	398.65	398.37	0.77	0.78	97.42	16.17	-7.82	16.38	14.84	10.63	
500.00	499.34	497.82	497.17	1.03	1.03	113.33	24.79	-7.82	27.18	25.15	13.43	
600.00	598.96	597.81	596.79	1.30	1.28	118.50	33.26	-9.14	38.04	35.53	15.16	
700.00	698.58	698.75	697.35	1.57	1.52	118.78	40.59	-13.68	46.42	43.43	15.49	
800.00	798.20	800.37	798.60	1.83	1.75	104.42	45.56	-20.80	50.37	46.88	14.45	
900.00	897.82	900.61	898.46	2.10	1.98	104.22	48.58	-29.00	51.30	47.30	12.84	
1000.00	997.44	1000.75	998.16	2.38	2.23	103.41	51.76	-37.73	52.13	47.60	11.50	
1100.00	1097.06	1100.83	1097.37	2.65	2.52	98.47	56.27	-50.02	52.70	47.59	10.32	
1200.00	1196.68	1200.34	1195.35	2.93	2.85	89.12	62.26	-66.25	54.03	48.32	9.46	
1300.00	1296.24	1298.97	1291.65	3.21	3.24	76.90	69.66	-86.26	57.95	51.64	9.19	
1400.00	1395.38	1396.99	1386.34	3.52	3.69	66.35	78.45	-109.97	64.75	57.84	9.37	
1500.00	1493.85	1494.47	1479.35	3.89	4.22	58.25	88.59	-137.28	73.62	66.08	9.76	
1600.00	1591.48	1592.63	1571.87	4.31	4.82	52.42	100.01	-168.04	83.53	75.31	10.17	
1700.00	1688.06	1692.21	1665.54	4.80	5.46	49.60	111.78	-199.72	91.61	82.61	10.18	
1800.00	1783.43	1792.06	1759.46	5.35	6.12	49.17	123.58	-231.48	96.95	87.03	9.77	
1900.00	1877.39	1891.98	1853.46	5.99	6.79	50.73	135.39	-263.26	99.49	88.45	9.01	
2000.00	1970.66	1991.88	1947.43	6.67	7.47	53.14	147.19	-295.03	100.90	88.58	8.19	
2100.00	2063.94	2091.78	2041.41	7.37	8.16	55.48	158.99	-326.81	102.49	88.82	7.50	
2200.00	2157.21	2191.69	2135.38	8.09	8.85	57.75	170.80	-358.59	104.24	89.17	6.92	
2300.00	2250.49	2291.59	2229.36	8.81	9.54	59.94	182.60	-390.36	106.14	89.64	6.43	
2400.00	2343.76	2391.49	2323.33	9.54	10.24	62.05	194.41	-422.14	108.20	90.21	6.02	
2500.00	2437.04	2491.39	2417.30	10.27	10.94	64.07	206.21	-453.91	110.40	90.90	5.66	
2600.00	2530.31	2591.29	2511.28	11.01	11.64	66.02	218.02	-485.69	112.73	91.70	5.36	
2700.00	2623.59	2691.19	2605.25	11.75	12.35	67.88	229.82	-517.47	115.19	92.61	5.10	
2800.00	2716.86	2791.09	2699.23	12.50	13.05	69.67	241.62	-549.24	117.76	93.62	4.88	
2900.00	2810.13	2890.99	2793.20	13.25	13.76	71.38	253.43	-581.02	120.44	94.74	4.69	
3000.00	2903.41	2990.89	2887.17	14.00	14.46	73.01	265.23	-612.79	123.23	95.95	4.52	
3100.00	2996.68	3090.79	2981.15	14.75	15.17	74.57	277.04	-644.57	126.11	97.26	4.37	
3200.00	3089.96	3190.69	3075.12	15.50	15.88	76.06	288.84	-676.35	129.08	98.65	4.24	
3300.00	3183.23	3290.60	3169.10	16.25	16.59	77.48	300.65	-708.12	132.13	100.13	4.13	
3400.00	3276.51	3390.50	3263.07	17.01	17.30	78.83	312.45	-739.90	135.26	101.70	4.03	
3500.00	3369.78	3490.40	3357.05	17.77	18.01	80.13	324.25	-771.67	138.46	103.34	3.94	

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Reference Site: CHEVRON J29 596 Reference Well: #29-1D Reference Wellpath:	Date: 6/27/2008 Co-ordinate(NE) Reference: Well: #29-1D, True North Vertical (TVD) Reference: SITE 7977.0	Time: 16:33:18 Db: Sybase	Page: 2
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Site: CHEVRON J29 596
Well: #29-2D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
3600.00	3463.06	3590.30	3451.02	18.52	18.72	81.36	336.06	-803.45	141.73	105.05	3.86	
3700.00	3556.33	3690.20	3544.99	19.28	19.43	82.54	347.86	-835.23	145.07	106.83	3.79	
3800.00	3649.61	3790.10	3638.97	20.04	20.14	83.66	359.67	-867.00	148.46	108.68	3.73	
3900.00	3742.88	3890.00	3732.94	20.80	20.85	84.74	371.47	-898.78	151.90	110.58	3.68	
4000.00	3836.16	3989.90	3826.92	21.56	21.57	85.77	383.28	-930.55	155.40	112.55	3.63	
4100.00	3929.43	4089.80	3920.89	22.32	22.28	86.75	395.08	-962.33	158.95	114.57	3.58	
4200.00	4022.70	4189.70	4014.87	23.08	22.99	87.69	406.88	-994.10	162.54	116.65	3.54	
4300.00	4115.98	4289.60	4108.84	23.84	23.70	88.58	418.69	-1025.88	166.17	118.77	3.51	
4400.00	4209.25	4389.51	4202.81	24.60	24.42	89.44	430.49	-1057.66	169.84	120.94	3.47	
4500.00	4302.53	4489.41	4296.79	25.36	25.13	90.26	442.30	-1089.43	173.54	123.15	3.44	
4600.00	4395.80	4589.31	4390.76	26.13	25.84	91.05	454.10	-1121.21	177.28	125.40	3.42	
4700.00	4489.08	4689.21	4484.74	26.89	26.56	91.81	465.90	-1152.98	181.06	127.69	3.39	
4800.00	4582.35	4789.11	4578.71	27.65	27.27	92.53	477.71	-1184.76	184.86	130.02	3.37	
4900.00	4675.63	4889.01	4672.68	28.41	27.99	93.23	489.51	-1216.54	188.69	132.38	3.35	
5000.00	4768.90	4988.91	4766.66	29.18	28.70	93.89	501.32	-1248.31	192.55	134.78	3.33	
5100.00	4862.18	5088.81	4860.63	29.94	29.41	94.53	513.12	-1280.09	196.43	137.20	3.32	
5200.00	4955.45	5188.71	4954.61	30.70	30.13	95.15	524.93	-1311.86	200.34	139.66	3.30	
5300.00	5048.72	5288.61	5048.58	31.47	30.84	95.74	536.73	-1343.64	204.27	142.14	3.29	
5400.00	5142.00	5388.51	5142.56	32.23	31.56	96.31	548.53	-1375.42	208.22	144.65	3.28	
5500.00	5235.27	5488.42	5236.53	32.99	32.27	96.86	560.34	-1407.19	212.19	147.18	3.26	
5600.00	5328.55	5588.32	5330.50	33.76	32.99	97.39	572.14	-1438.97	216.17	149.74	3.25	
5700.00	5421.82	5688.22	5424.48	34.52	33.70	97.90	583.95	-1470.74	220.18	152.31	3.24	
5800.00	5515.10	5788.12	5518.45	35.29	34.41	98.39	595.75	-1502.52	224.20	154.91	3.24	
5900.00	5608.37	5888.02	5612.43	36.05	35.13	98.86	607.56	-1534.30	228.24	157.53	3.23	
6000.00	5701.65	5987.92	5706.40	36.82	35.84	99.32	619.36	-1566.07	232.30	160.17	3.22	
6100.00	5794.92	6087.82	5800.37	37.58	36.56	99.76	631.16	-1597.85	236.36	162.83	3.21	
6200.00	5888.55	6187.74	5894.36	38.27	37.27	100.01	642.97	-1629.63	240.27	165.37	3.21	
6300.00	5983.32	6287.18	5988.32	38.81	37.90	99.77	654.31	-1660.14	243.68	167.58	3.20	
6400.00	6079.14	6386.59	6083.31	39.30	38.40	99.53	664.51	-1687.61	246.73	169.61	3.20	
6500.00	6175.90	6486.04	6179.30	39.73	38.85	99.30	673.56	-1711.97	249.42	171.40	3.20	
6600.00	6273.49	6585.54	6276.18	40.10	39.23	99.07	681.45	-1733.21	251.75	172.93	3.19	
6700.00	6371.77	6685.09	6373.84	40.43	39.57	98.84	688.17	-1751.29	253.70	174.20	3.19	
6800.00	6470.64	6784.68	6472.15	40.70	39.86	98.61	693.70	-1766.19	255.29	175.21	3.19	
6900.00	6569.97	6884.32	6571.00	40.92	40.09	98.38	698.04	-1777.88	256.51	175.94	3.18	
7000.00	6669.64	6984.00	6670.26	41.09	40.28	98.15	701.19	-1786.34	257.35	176.40	3.18	
7100.00	6769.53	7083.71	6769.82	41.21	40.42	97.92	703.13	-1791.56	257.81	176.58	3.17	
7200.00	6869.52	7183.47	6869.55	41.29	40.51	141.81	703.86	-1793.53	257.94	191.69	3.89	
7300.00	6969.51	7286.73	6972.81	41.37	40.59	141.87	703.49	-1794.20	258.32	176.73	3.17	
7400.00	7069.47	7390.41	7076.45	41.47	40.68	141.93	702.18	-1796.46	258.66	176.89	3.16	
7500.00	7169.36	7494.10	7180.04	41.59	40.79	141.98	699.93	-1800.35	258.95	176.98	3.16	
7600.00	7269.20	7594.99	7280.77	41.73	40.91	141.99	697.10	-1805.26	258.99	176.75	3.15	
7700.00	7369.04	7694.99	7380.60	41.87	41.05	141.99	694.27	-1810.17	258.99	176.48	3.14	
7800.00	7468.88	7794.99	7480.44	42.02	41.19	141.99	691.43	-1815.08	258.99	176.21	3.13	
7900.00	7568.71	7894.99	7580.28	42.16	41.32	141.99	688.60	-1819.99	258.99	175.94	3.12	
8000.00	7668.55	7994.99	7680.12	42.31	41.46	141.99	685.76	-1824.90	258.99	175.66	3.11	
8100.00	7768.39	8094.99	7779.96	42.46	41.60	141.99	682.93	-1829.81	258.99	175.39	3.10	
8200.00	7868.23	8194.99	7879.80	42.61	41.74	141.99	680.09	-1834.72	258.99	175.11	3.09	
8300.00	7968.07	8294.99	7979.64	42.76	41.88	141.99	677.26	-1839.63	258.99	174.83	3.08	
8400.00	8067.91	8394.99	8079.48	42.91	42.03	141.99	674.42	-1844.54	258.99	174.55	3.07	
8500.00	8167.75	8494.99	8179.32	43.06	42.17	141.99	671.59	-1849.45	258.99	174.26	3.06	
8600.00	8267.59	8594.99	8279.16	43.22	42.32	141.99	668.75	-1854.36	258.99	173.98	3.05	

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-1D
Reference Wellpath:

Date: 6/27/2008
Time: 16:33:18
Page: 3

Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

Site: CHEVRON J29 596
Well: #29-2D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
				Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
8700.00	8367.43	8694.99	8379.00	43.37	42.46	141.99	665.92	-1859.27	258.99	173.69	3.04	
8800.00	8467.27	8794.99	8478.84	43.52	42.61	141.99	663.09	-1864.18	258.99	173.40	3.03	
8900.00	8567.11	8894.99	8578.67	43.68	42.75	141.99	660.25	-1869.09	258.99	173.11	3.02	
9000.00	8666.95	8994.99	8678.51	43.84	42.90	141.99	657.42	-1874.00	258.99	172.82	3.01	
9100.00	8766.78	9094.99	8778.35	43.99	43.05	141.99	654.58	-1878.91	258.99	172.53	3.00	
9200.00	8866.62	9194.99	8878.19	44.15	43.20	141.99	651.75	-1883.82	258.99	172.23	2.99	
9300.00	8966.46	9294.99	8978.03	44.31	43.35	141.99	648.91	-1888.73	258.99	171.94	2.98	
9400.00	9066.30	9394.99	9077.87	44.47	43.50	141.99	646.08	-1893.64	258.99	171.64	2.96	
9500.00	9166.14	9494.99	9177.71	44.63	43.66	141.99	643.24	-1898.55	258.99	171.34	2.95	
9600.00	9265.98	9594.99	9277.55	44.79	43.81	141.99	640.41	-1903.46	258.99	171.04	2.94	
9700.00	9365.82	9694.99	9377.39	44.96	43.96	141.99	637.57	-1908.37	258.99	170.74	2.93	
9800.00	9465.66	9794.99	9477.23	45.12	44.12	141.99	634.74	-1913.28	258.99	170.43	2.92	
9900.00	9565.50	9894.99	9577.07	45.28	44.28	141.99	631.90	-1918.19	258.99	170.13	2.91	

Site: CHEVRON J29 596
Well: #29-32D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
				Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
0.00	0.00	0.00	0.00	0.00	0.00	128.55	-6.23	7.82	10.00			No Data
100.00	100.00	100.00	100.00	0.09	0.09	128.55	-6.23	7.82	10.00	9.82	54.93	
200.00	200.00	200.11	200.11	0.31	0.31	218.49	-6.22	7.54	9.99	9.37	16.04	
300.00	299.94	300.40	300.34	0.53	0.53	217.71	-6.04	4.39	9.88	8.82	9.33	
400.00	399.72	400.41	400.22	0.77	0.76	211.94	-5.76	-0.82	10.88	9.37	7.19	
500.00	499.34	500.35	500.02	1.03	1.00	203.28	-5.47	-6.05	13.84	11.88	7.03	
600.00	598.96	600.29	599.82	1.30	1.25	197.73	-5.18	-11.27	17.02	14.60	7.03	
700.00	698.58	700.23	699.62	1.57	1.49	193.95	-4.89	-16.49	20.31	17.43	7.06	
800.00	798.20	800.16	799.42	1.83	1.73	180.30	-4.61	-21.71	23.82	20.49	7.16	
900.00	897.82	900.09	899.22	2.10	1.98	182.31	-4.32	-26.94	27.42	23.63	7.23	
1000.00	997.44	1000.02	999.01	2.38	2.22	183.86	-4.03	-32.16	31.05	26.79	7.29	
1100.00	1097.06	1099.96	1098.80	2.65	2.47	185.08	-3.74	-37.38	34.70	29.98	7.34	
1200.00	1196.68	1199.89	1198.60	2.93	2.71	186.07	-3.45	-42.60	38.36	33.17	7.39	
1300.00	1296.24	1301.12	1299.58	3.21	2.97	187.53	-3.06	-49.67	40.90	35.23	7.22	
1400.00	1395.38	1400.99	1399.08	3.52	3.24	188.76	-2.59	-58.24	45.72	39.57	7.43	
1500.00	1493.85	1500.57	1498.29	3.89	3.51	189.02	-2.12	-66.79	54.85	48.22	8.27	
1600.00	1591.48	1599.66	1597.01	4.31	3.78	188.65	-1.65	-75.29	68.26	61.15	9.60	
1700.00	1688.06	1698.07	1695.06	4.80	4.04	188.01	-1.19	-83.74	85.95	78.36	11.33	
1800.00	1783.43	1795.62	1792.25	5.35	4.31	187.31	-0.73	-92.11	107.88	99.81	13.37	
1900.00	1877.39	1892.12	1888.39	5.99	4.57	186.64	-0.27	-100.39	134.02	125.47	15.68	
2000.00	1970.66	1988.09	1984.01	6.67	4.84	186.07	0.19	-108.63	162.08	153.01	17.86	
2100.00	2063.94	2084.06	2079.62	7.37	5.10	185.66	0.64	-116.87	190.15	180.54	19.78	
2200.00	2157.21	2180.03	2175.24	8.09	5.36	185.36	1.09	-125.10	218.23	208.08	21.50	
2300.00	2250.49	2276.01	2270.86	8.81	5.63	185.13	1.55	-133.34	246.31	235.62	23.03	
2400.00	2343.76	2371.98	2366.47	9.54	5.89	184.95	2.00	-141.58	274.39	263.15	24.41	
2500.00	2437.04	2467.95	2462.09	10.27	6.15	184.80	2.46	-149.82	302.48	290.69	25.66	
2600.00	2530.31	2563.92	2557.71	11.01	6.42	184.67	2.91	-158.05	330.57	318.23	26.79	
2700.00	2623.59	2659.90	2653.33	11.75	6.68	184.57	3.36	-166.29	358.66	345.76	27.82	
2800.00	2716.86	2755.87	2748.94	12.50	6.95	184.48	3.82	-174.53	386.75	373.30	28.76	
2900.00	2810.13	2851.84	2844.56	13.25	7.21	184.40	4.27	-182.77	414.84	400.83	29.62	
3000.00	2903.41	2947.81	2940.18	14.00	7.48	184.33	4.73	-191.00	442.93	428.36	30.41	
3100.00	2996.68	3043.78	3035.79	14.75	7.74	184.27	5.18	-199.24	471.02	455.90	31.15	

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-1D
Reference Wellpath:

Date: 6/27/2008
Time: 16:33:18
Page: 4

Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

Site: CHEVRON J29 596
Well: #29-32D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3200.00	3089.96	3139.76	3131.41	15.50	8.00	184.22	5.63	-207.48	499.11	483.43	31.82	
3300.00	3183.23	3235.73	3227.03	16.25	8.27	184.17	6.09	-215.72	527.20	510.96	32.45	
3400.00	3276.51	3331.70	3322.64	17.01	8.53	184.13	6.54	-223.95	555.30	538.49	33.04	
3500.00	3369.78	3427.67	3418.26	17.77	8.80	184.09	7.00	-232.19	583.39	566.02	33.59	
3600.00	3463.06	3523.65	3513.88	18.52	9.06	184.06	7.45	-240.43	611.48	593.55	34.10	
3700.00	3556.33	3619.62	3609.49	19.28	9.33	184.02	7.90	-248.67	639.58	621.08	34.58	
3800.00	3649.61	3715.59	3705.11	20.04	9.59	183.99	8.36	-256.90	667.67	648.61	35.03	
3900.00	3742.88	3811.56	3800.73	20.80	9.86	183.97	8.81	-265.14	695.76	676.14	35.45	
4000.00	3836.16	3907.53	3896.35	21.56	10.12	183.94	9.27	-273.38	723.86	703.67	35.85	
4100.00	3929.43	4003.51	3991.96	22.32	10.39	183.92	9.72	-281.62	751.95	731.19	36.23	
4200.00	4022.70	4099.48	4087.58	23.08	10.66	183.90	10.17	-289.85	780.04	758.72	36.58	
4300.00	4115.98	4195.45	4183.20	23.84	10.92	183.88	10.63	-298.09	808.14	786.25	36.92	
4400.00	4209.25	4291.42	4278.81	24.60	11.19	183.86	11.08	-306.33	836.23	813.78	37.24	
4500.00	4302.53	4387.39	4374.43	25.36	11.45	183.84	11.54	-314.56	864.33	841.30	37.54	
4600.00	4395.80	4483.37	4470.05	26.13	11.72	183.83	11.99	-322.80	892.42	868.83	37.83	
4700.00	4489.08	4579.34	4565.66	26.89	11.98	183.81	12.44	-331.04	920.51	896.36	38.11	
4800.00	4582.35	4675.31	4661.28	27.65	12.25	183.80	12.90	-339.28	948.61	923.88	38.37	
4900.00	4675.63	4771.28	4756.90	28.41	12.51	183.78	13.35	-347.51	976.70	951.41	38.62	
5000.00	4768.90	4867.26	4852.51	29.18	12.78	183.77	13.81	-355.75	1004.80	978.94	38.86	
5100.00	4862.18	4963.23	4948.13	29.94	13.04	183.76	14.26	-363.99	1032.89	1006.46	39.08	
5200.00	4955.45	5059.20	5043.75	30.70	13.31	183.75	14.71	-372.23	1060.99	1033.99	39.30	
5300.00	5048.72	5155.17	5139.37	31.47	13.58	183.74	15.17	-380.46	1089.08	1061.52	39.51	
5400.00	5142.00	5251.14	5234.98	32.23	13.84	183.73	15.62	-388.70	1117.18	1089.04	39.71	
5500.00	5235.27	5347.12	5330.60	32.99	14.11	183.72	16.08	-396.94	1145.27	1116.57	39.90	
5600.00	5328.55	5443.09	5426.22	33.76	14.37	183.71	16.53	-405.18	1173.36	1144.09	40.09	
5700.00	5421.82	5539.06	5521.83	34.52	14.64	183.70	16.98	-413.41	1201.46	1171.62	40.26	
5800.00	5515.10	5635.03	5617.45	35.29	14.90	183.69	17.44	-421.65	1229.55	1199.14	40.43	
5900.00	5608.37	5731.01	5713.07	36.05	15.17	183.68	17.89	-429.89	1257.65	1226.67	40.60	
6000.00	5701.65	5826.98	5808.68	36.82	15.43	183.68	18.35	-438.13	1285.74	1254.20	40.75	
6100.00	5794.92	5922.95	5904.30	37.58	15.70	183.67	18.80	-446.36	1313.84	1281.72	40.91	
6200.00	5888.55	6019.20	6000.19	38.27	15.97	183.64	19.26	-454.62	1340.96	1308.28	41.03	
6300.00	5983.32	6116.31	6096.94	38.81	16.23	183.61	19.72	-462.96	1364.81	1331.62	41.12	
6400.00	6079.14	6214.19	6194.46	39.30	16.51	183.60	20.18	-471.36	1385.26	1351.59	41.14	
6500.00	6175.90	6312.72	6292.63	39.73	16.78	183.60	20.64	-479.82	1402.29	1368.17	41.10	
6600.00	6273.49	6411.78	6391.32	40.10	17.05	183.61	21.11	-488.32	1415.88	1381.35	41.00	
6700.00	6371.77	6500.00	6479.23	40.43	17.28	183.64	21.52	-495.74	1426.21	1391.34	40.90	
6800.00	6470.64	6581.21	6560.23	40.70	17.44	183.65	21.84	-501.55	1434.27	1399.15	40.85	
6900.00	6569.97	6661.53	6640.41	40.92	17.58	183.67	22.10	-506.16	1440.20	1404.89	40.79	
7000.00	6669.64	6741.88	6720.69	41.09	17.72	183.68	22.29	-509.65	1444.02	1408.55	40.71	
7100.00	6769.53	6822.25	6801.02	41.21	17.85	183.69	22.42	-512.02	1445.70	1410.12	40.62	
7200.00	6869.52	6902.63	6881.39	41.29	17.98	227.80	22.49	-513.27	1445.35	1409.50	40.31	
7300.00	6969.51	6998.82	6977.58	41.37	18.14	227.78	22.40	-513.64	1445.81	1409.72	40.07	
7400.00	7069.47	7119.25	7097.99	41.47	18.38	227.74	21.27	-515.61	1446.54	1409.91	39.50	
7500.00	7169.36	7239.71	7218.35	41.59	18.64	227.72	18.87	-519.76	1447.02	1409.88	38.96	
7600.00	7269.20	7345.92	7324.39	41.73	18.89	227.72	15.92	-524.87	1447.08	1409.50	38.51	
7700.00	7369.04	7445.92	7424.23	41.87	19.12	227.72	13.08	-529.78	1447.08	1409.08	38.08	
7800.00	7468.88	7545.92	7524.07	42.02	19.36	227.72	10.25	-534.69	1447.08	1408.66	37.66	
7900.00	7568.71	7645.92	7623.91	42.16	19.59	227.72	7.41	-539.60	1447.08	1408.23	37.25	
8000.00	7668.55	7745.92	7723.75	42.31	19.83	227.72	4.58	-544.51	1447.08	1407.81	36.84	
8100.00	7768.39	7845.92	7823.59	42.46	20.06	227.72	1.74	-549.42	1447.08	1407.38	36.45	
8200.00	7868.23	7945.92	7923.43	42.61	20.30	227.72	-1.09	-554.33	1447.08	1406.95	36.06	

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-1D
Reference Wellpath:

Date: 6/27/2008
Time: 16:33:18
Page: 5

Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

Site: CHEVRON J29 596
Well: #29-32D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8300.00	7968.07	8045.92	8023.26	42.76	20.54	227.72	-3.93	-559.24	1447.08	1406.52	35.68	
8400.00	8067.91	8145.92	8123.10	42.91	20.78	227.72	-6.76	-564.15	1447.08	1406.09	35.30	
8500.00	8167.75	8245.92	8222.94	43.06	21.01	227.72	-9.60	-569.06	1447.08	1405.66	34.93	
8600.00	8267.59	8345.92	8322.78	43.22	21.25	227.72	-12.43	-573.97	1447.08	1405.23	34.57	
8700.00	8367.43	8445.92	8422.62	43.37	21.49	227.72	-15.26	-578.88	1447.08	1404.79	34.22	
8800.00	8467.27	8545.92	8522.46	43.52	21.73	227.72	-18.10	-583.79	1447.08	1404.36	33.87	
8900.00	8567.11	8645.92	8622.30	43.68	21.97	227.72	-20.93	-588.70	1447.08	1403.92	33.53	
9000.00	8666.95	8745.92	8722.14	43.84	22.21	227.72	-23.77	-593.61	1447.08	1403.49	33.19	
9100.00	8766.78	8845.92	8821.98	43.99	22.44	227.72	-26.60	-598.52	1447.08	1403.05	32.86	
9200.00	8866.62	8945.92	8921.82	44.15	22.68	227.72	-29.44	-603.43	1447.08	1402.61	32.54	
9300.00	8966.46	9045.92	9021.66	44.31	22.92	227.72	-32.27	-608.34	1447.08	1402.17	32.22	
9400.00	9066.30	9145.92	9121.50	44.47	23.16	227.72	-35.11	-613.25	1447.08	1401.73	31.91	
9500.00	9166.14	9245.92	9221.33	44.63	23.40	227.72	-37.94	-618.16	1447.08	1401.29	31.60	
9600.00	9265.98	9345.92	9321.17	44.79	23.65	227.72	-40.78	-623.07	1447.08	1400.85	31.30	
9700.00	9365.82	9445.92	9421.01	44.96	23.89	227.72	-43.61	-627.98	1447.08	1400.41	31.00	
9800.00	9465.66	9545.92	9520.85	45.12	24.13	227.72	-46.45	-632.89	1447.08	1399.96	30.71	
9900.00	9565.50	9645.92	9620.69	45.28	24.37	227.72	-49.28	-637.80	1447.08	1399.52	30.42	

Site: CHEVRON J29 596
Well: #29-4D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	0.00	0.00	0.00	0.00	308.55	12.47	-15.64	20.00			No Data
100.00	100.00	100.00	100.00	0.09	0.09	308.55	12.47	-15.64	20.00	19.82	109.87	
200.00	200.00	200.00	200.00	0.31	0.32	39.06	12.47	-15.64	19.78	19.16	31.56	
300.00	299.94	299.32	299.30	0.53	0.54	44.15	13.33	-17.13	19.13	18.07	17.99	
400.00	399.72	398.63	398.47	0.77	0.76	53.85	15.91	-21.60	19.70	18.18	12.93	
500.00	499.34	498.44	497.94	1.03	1.00	62.47	19.65	-28.91	22.17	20.16	11.05	
600.00	598.96	598.55	597.67	1.30	1.24	65.41	21.80	-37.36	23.98	21.48	9.59	
700.00	698.58	698.53	697.27	1.57	1.51	67.81	23.86	-45.83	25.77	22.74	8.52	
800.00	798.20	798.52	796.88	1.83	1.78	54.79	25.91	-54.30	26.47	22.93	7.48	
900.00	897.82	898.52	896.50	2.10	2.05	54.73	27.97	-62.77	26.43	22.37	6.51	
1000.00	997.44	998.52	996.12	2.38	2.32	54.67	30.03	-71.24	26.39	21.80	5.75	
1100.00	1097.06	1097.82	1094.82	2.65	2.61	51.06	32.56	-81.66	27.61	22.52	5.42	
1200.00	1196.68	1196.73	1192.60	2.93	2.95	42.06	36.08	-96.17	31.98	26.44	5.77	
1300.00	1296.24	1294.99	1288.99	3.21	3.33	32.19	40.56	-114.63	40.07	34.11	6.73	
1400.00	1395.38	1392.75	1384.01	3.52	3.77	25.42	45.99	-136.96	49.33	42.94	7.72	
1500.00	1493.85	1490.09	1477.55	3.89	4.27	20.84	52.33	-163.09	58.94	52.08	8.60	
1600.00	1591.48	1587.00	1569.47	4.31	4.85	17.57	59.57	-192.91	68.68	61.34	9.36	
1700.00	1688.06	1683.50	1659.63	4.80	5.50	15.12	67.69	-226.33	78.45	70.60	10.00	
1800.00	1783.43	1779.61	1747.90	5.35	6.23	13.22	76.66	-263.26	88.16	79.80	10.54	
1900.00	1877.39	1877.66	1836.56	5.99	7.05	11.76	86.54	-303.95	97.07	88.14	10.87	
2000.00	1970.66	1977.37	1926.57	6.67	7.91	10.73	96.66	-345.64	104.45	94.86	10.90	
2100.00	2063.94	2077.09	2016.58	7.37	8.79	9.83	106.78	-387.32	111.85	101.61	10.92	
2200.00	2157.21	2176.80	2106.59	8.09	9.67	9.05	116.91	-429.01	119.27	108.38	10.94	
2300.00	2250.49	2276.51	2196.60	8.81	10.57	8.36	127.03	-470.70	126.72	115.16	10.96	
2400.00	2343.76	2376.22	2286.61	9.54	11.47	7.75	137.15	-512.39	134.18	121.95	10.97	
2500.00	2437.04	2475.93	2376.62	10.27	12.37	7.20	147.28	-554.08	141.66	128.76	10.98	
2600.00	2530.31	2575.64	2466.64	11.01	13.28	6.71	157.40	-595.76	149.14	135.57	10.99	
2700.00	2623.59	2675.36	2556.65	11.75	14.19	6.26	167.52	-637.45	156.64	142.39	10.99	

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-1D
Reference Wellpath:

Date: 6/27/2008
Time: 16:33:18
Page: 6

Co-ordinate(NE) Reference: Well: #29-1D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

Site: CHEVRON J29 596
Well: #29-4D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
2800.00	2716.86	2775.07	2646.66	12.50	15.10	5.85	177.65	-679.14	164.14	149.22	11.00	
2900.00	2810.13	2874.78	2736.67	13.25	16.01	5.48	187.77	-720.83	171.66	156.05	11.00	
3000.00	2903.41	2974.49	2826.68	14.00	16.93	5.14	197.89	-762.52	179.18	162.88	11.00	
3100.00	2996.68	3074.20	2916.69	14.75	17.85	4.83	208.02	-804.21	186.70	169.72	11.00	
3200.00	3089.96	3173.91	3006.70	15.50	18.76	4.54	218.14	-845.89	194.23	176.57	10.99	
3300.00	3183.23	3273.62	3096.71	16.25	19.68	4.28	228.26	-887.58	201.77	183.41	10.99	
3400.00	3276.51	3373.34	3186.72	17.01	20.60	4.03	238.39	-929.27	209.31	190.26	10.99	
3500.00	3369.78	3473.05	3276.74	17.77	21.52	3.80	248.51	-970.96	216.85	197.11	10.99	
3600.00	3463.06	3572.76	3366.75	18.52	22.45	3.59	258.63	-1012.65	224.39	203.96	10.98	
3700.00	3556.33	3672.47	3456.76	19.28	23.37	3.39	268.76	-1054.33	231.94	210.82	10.98	
3800.00	3649.61	3772.18	3546.77	20.04	24.29	3.20	278.88	-1096.02	239.49	217.67	10.97	
3900.00	3742.88	3871.89	3636.78	20.80	25.22	3.02	289.00	-1137.71	247.05	224.53	10.97	
4000.00	3836.16	3971.60	3726.79	21.56	26.14	2.86	299.13	-1179.40	254.60	231.38	10.96	
4100.00	3929.43	4071.32	3816.80	22.32	27.06	2.70	309.25	-1221.09	262.16	238.24	10.96	
4200.00	4022.70	4171.03	3906.81	23.08	27.99	2.55	319.37	-1262.77	269.72	245.10	10.96	
4300.00	4115.98	4270.74	3996.83	23.84	28.91	2.41	329.50	-1304.46	277.28	251.96	10.95	
4400.00	4209.25	4370.45	4086.84	24.60	29.84	2.28	339.62	-1346.15	284.85	258.82	10.95	
4500.00	4302.53	4470.16	4176.85	25.36	30.76	2.15	349.74	-1387.84	292.41	265.68	10.94	
4600.00	4395.80	4569.87	4266.86	26.13	31.69	2.04	359.87	-1429.53	299.98	272.55	10.94	
4700.00	4489.08	4669.59	4356.87	26.89	32.61	1.92	369.99	-1471.21	307.54	279.41	10.93	
4800.00	4582.35	4769.30	4446.88	27.65	33.54	1.81	380.11	-1512.90	315.11	286.27	10.93	
4900.00	4675.63	4869.01	4536.89	28.41	34.47	1.71	390.24	-1554.59	322.68	293.14	10.92	
5000.00	4768.90	4968.72	4626.90	29.18	35.39	1.61	400.36	-1596.28	330.25	300.00	10.92	
5100.00	4862.18	5068.43	4716.91	29.94	36.32	1.52	410.48	-1637.97	337.82	306.86	10.91	
5200.00	4955.45	5168.14	4806.93	30.70	37.25	1.43	420.60	-1679.65	345.39	313.73	10.91	
5300.00	5048.72	5267.85	4896.94	31.47	38.17	1.35	430.73	-1721.34	352.97	320.59	10.90	
5400.00	5142.00	5367.57	4986.95	32.23	39.10	1.26	440.85	-1763.03	360.54	327.46	10.90	
5500.00	5235.27	5467.28	5076.96	32.99	40.03	1.19	450.97	-1804.72	368.11	334.33	10.90	
5600.00	5328.55	5566.99	5166.97	33.76	40.95	1.11	461.10	-1846.41	375.69	341.19	10.89	
5700.00	5421.82	5666.70	5256.98	34.52	41.88	1.04	471.22	-1888.09	383.26	348.06	10.89	
5800.00	5515.10	5766.41	5346.99	35.29	42.81	0.97	481.34	-1929.78	390.84	354.92	10.88	
5900.00	5608.37	5866.12	5437.00	36.05	43.74	0.90	491.47	-1971.47	398.42	361.79	10.88	
6000.00	5701.65	5965.83	5527.01	36.82	44.66	0.84	501.59	-2013.16	405.99	368.66	10.87	
6100.00	5794.92	6065.55	5617.03	37.58	45.59	0.77	511.71	-2054.85	413.57	375.53	10.87	
6200.00	5888.55	6165.17	5706.96	38.27	46.52	0.71	521.83	-2096.50	422.16	383.41	10.89	
6300.00	5983.32	6264.45	5796.58	38.81	47.44	0.65	531.91	-2138.01	434.12	394.71	11.02	
6400.00	6079.14	6363.25	5885.76	39.30	48.36	0.59	541.94	-2179.31	449.54	409.51	11.23	
6500.00	6175.90	6477.19	5989.17	39.73	49.33	0.52	553.23	-2225.80	467.36	426.70	11.50	
6600.00	6273.49	6601.68	6104.59	40.10	50.17	0.46	564.23	-2271.11	483.67	442.46	11.74	
6700.00	6371.77	6727.63	6223.75	40.43	50.87	0.41	573.84	-2310.68	498.04	456.41	11.96	
6800.00	6470.64	6854.86	6346.21	40.70	51.45	0.37	581.96	-2344.14	510.39	468.47	12.18	
6900.00	6569.97	6983.20	6471.50	40.92	51.93	0.33	588.52	-2371.15	520.66	478.58	12.37	
7000.00	6669.64	7112.47	6599.05	41.09	52.29	0.31	593.45	-2391.42	528.82	486.72	12.56	
7100.00	6769.53	7242.46	6728.30	41.21	52.54	0.29	596.68	-2404.72	534.82	492.84	12.74	
7200.00	6869.52	7372.96	6858.63	41.29	52.69	44.39	598.18	-2410.90	538.53	496.76	12.89	
7300.00	6969.51	7479.80	6965.46	41.37	52.76	44.45	598.13	-2411.63	538.27	493.48	12.02	
7400.00	7069.47	7573.51	7059.16	41.47	52.83	44.54	597.25	-2413.15	537.49	494.98	12.64	
7500.00	7169.36	7667.25	7152.84	41.59	52.91	44.63	595.60	-2416.00	536.64	493.65	12.48	
7600.00	7269.20	7762.11	7247.57	41.73	53.00	44.66	593.17	-2420.21	536.25	492.85	12.35	
7700.00	7369.04	7862.11	7347.41	41.87	53.13	44.66	590.34	-2425.12	536.25	492.49	12.25	
7800.00	7468.88	7962.11	7447.25	42.02	53.25	44.66	587.51	-2430.03	536.25	492.14	12.16	

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Reference Site: CHEVRON J29 596 Reference Well: #29-1D Reference Wellpath:	Date: 6/27/2008 Co-ordinate(NE) Reference: Well: #29-1D, True North Vertical (TVD) Reference: SITE 7977.0	Time: 16:33:18 Db: Sybase	Page: 7
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Site: CHEVRON J29 596
Well: #29-4D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
7900.00	7568.71	8062.11	7547.09	42.16	53.38	44.66	584.67	-2434.94	536.25	491.78	12.06	
8000.00	7668.55	8162.11	7646.93	42.31	53.51	44.66	581.84	-2439.85	536.25	491.42	11.96	
8100.00	7768.39	8262.11	7746.77	42.46	53.64	44.66	579.00	-2444.75	536.25	491.06	11.87	
8200.00	7868.23	8362.11	7846.61	42.61	53.77	44.66	576.17	-2449.66	536.25	490.69	11.77	
8300.00	7968.07	8462.11	7946.45	42.76	53.90	44.66	573.33	-2454.57	536.25	490.33	11.68	
8400.00	8067.91	8562.11	8046.29	42.91	54.04	44.66	570.50	-2459.48	536.25	489.96	11.58	
8500.00	8167.75	8662.11	8146.13	43.06	54.17	44.66	567.66	-2464.39	536.25	489.59	11.49	
8600.00	8267.59	8762.11	8245.97	43.22	54.31	44.66	564.83	-2469.30	536.25	489.21	11.40	
8700.00	8367.43	8862.11	8345.81	43.37	54.44	44.66	561.99	-2474.21	536.25	488.84	11.31	
8800.00	8467.27	8962.11	8445.64	43.52	54.58	44.66	559.16	-2479.12	536.25	488.46	11.22	
8900.00	8567.11	9062.11	8545.48	43.68	54.71	44.66	556.32	-2484.03	536.25	488.08	11.13	
9000.00	8666.95	9162.11	8645.32	43.84	54.85	44.66	553.49	-2488.94	536.25	487.70	11.05	
9100.00	8766.78	9262.11	8745.16	43.99	54.99	44.66	550.65	-2493.85	536.25	487.32	10.96	
9200.00	8866.62	9362.11	8845.00	44.15	55.13	44.66	547.82	-2498.76	536.25	486.94	10.87	
9300.00	8966.46	9462.11	8944.84	44.31	55.27	44.66	544.99	-2503.67	536.25	486.55	10.79	
9400.00	9066.30	9562.11	9044.68	44.47	55.41	44.66	542.15	-2508.58	536.25	486.17	10.71	
9500.00	9166.14	9662.11	9144.52	44.63	55.55	44.66	539.32	-2513.49	536.25	485.78	10.62	
9600.00	9265.98	9762.11	9244.36	44.79	55.69	44.66	536.48	-2518.40	536.25	485.39	10.54	
9700.00	9365.82	9862.11	9344.20	44.96	55.83	44.66	533.65	-2523.31	536.25	484.99	10.46	
9800.00	9465.66	9962.11	9444.04	45.12	55.98	44.66	530.81	-2528.22	536.25	484.60	10.38	
9900.00	9565.50	10062.11	9543.88	45.28	56.12	44.66	527.98	-2533.13	536.25	484.20	10.30	