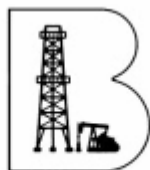




Weatherford®

Drilling Services

Proposal



Berry Petroleum Company

BERRY PETROLEUM CO.

CHEVRON J29 596 #29-20D

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 #29-20D
SEC 29 T5S R96W
2362' FSL, 1335' 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	190.00	409.68	-10.74	-1.89	2.00	190.00	8.86	
4	595.35	5.00	147.37	594.33	-26.21	1.20	2.00	-90.00	24.15	
5	1000.00	5.00	147.37	997.44	-55.91	20.22	0.00	0.00	59.16	
6	1410.42	13.21	147.37	1402.34	-110.56	55.21	2.00	0.00	123.56	
7	6191.79	13.21	147.37	6057.22	-1030.65	644.29	0.00	0.00	1208.03	
8	7072.35	0.00	0.00	6930.00	-1115.75	698.78	1.50	180.00	1308.33	
9	7397.35	3.25	240.00	7254.83	-1120.35	690.80	1.00	240.00	1309.03	
10	9826.43	3.25	240.00	9680.00	-1189.21	571.54	0.00	0.00	1319.42	PBHL_29-20D

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#29-20D	18.73	-24.46	1649041.56	2243010.61	39°35'04.824N	108°11'10.477W	N/A

FORMATION TOP DETAILS

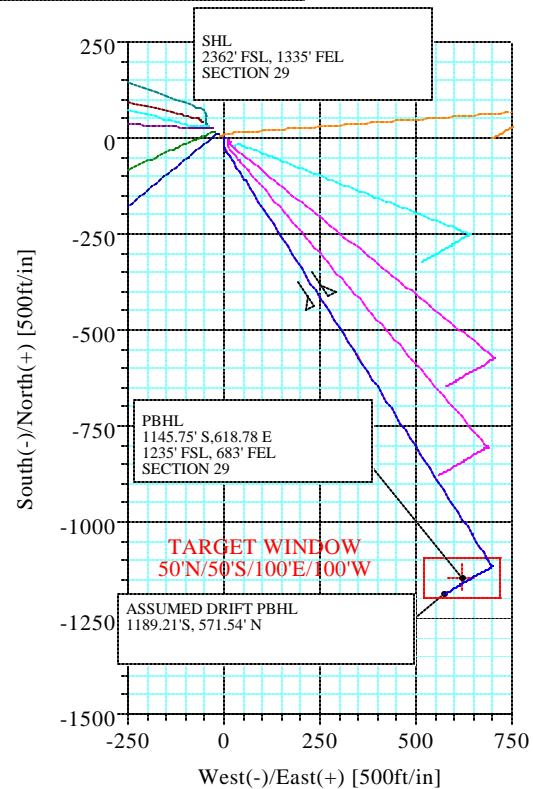
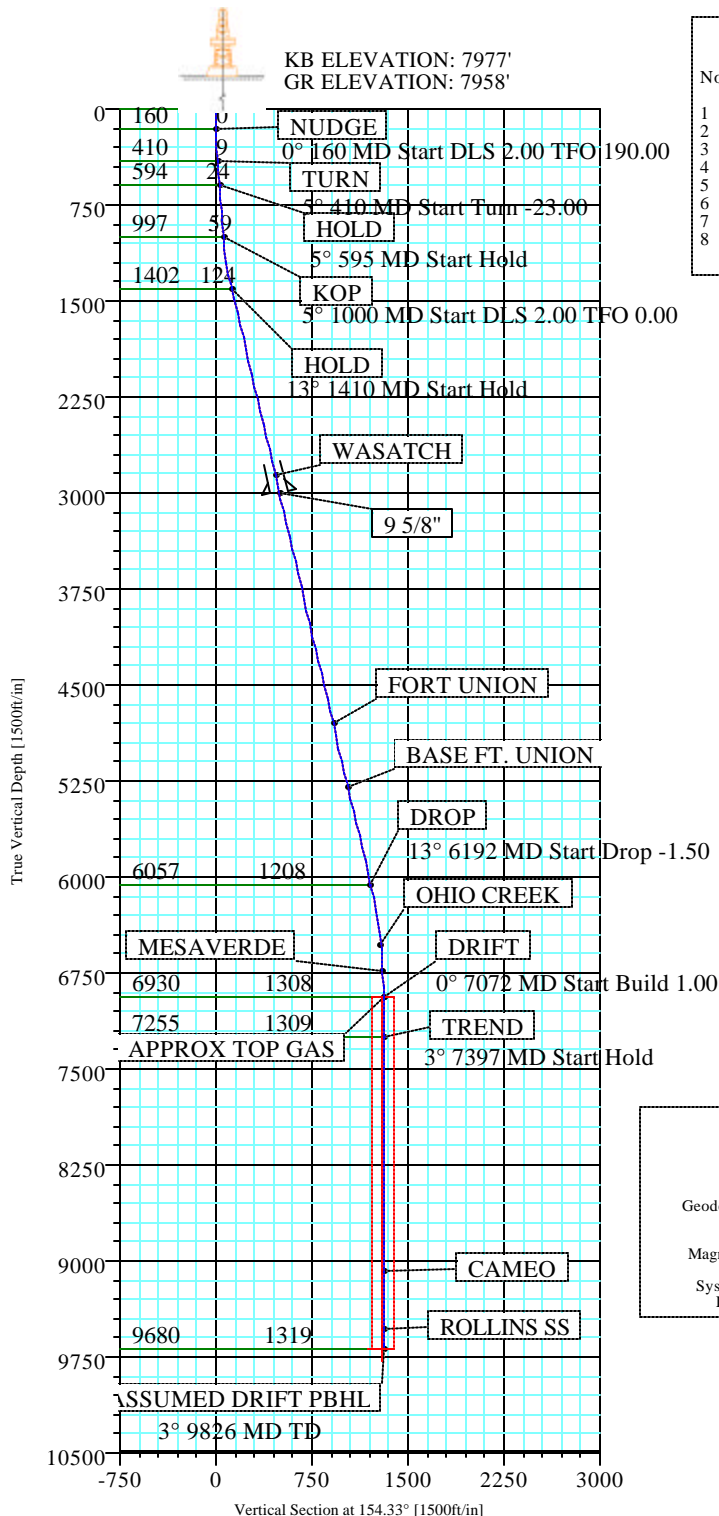
No.	TVDPath	MDPath	Formation
1	2860.00	2907.69	WASATCH
2	4800.00	4900.41	FORT UNION
3	5300.00	5413.99	BASE FT. UNION
4	6530.00	6671.61	OHIO CREEK
5	6730.00	6872.26	MESAVERDE
6	6930.00	7072.35	APPROX TOP GAS
7	9080.00	9225.46	CAMEO
8	9530.00	9676.19	ROLLINS SS



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 (#29-20D/1)

Created By: Robert Scott

Date: 6/27/2008



Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: CHEVRON J29 596 Well: #29-20D Wellpath: 1						Date: 6/27/2008 Co-ordinate(NE) Reference: Well: #29-20D, True North Vertical (TVD) Reference: SITE 7977.0 Section (VS) Reference: Well (0.00N,0.00E,154.33Azi) Survey Calculation Method: Minimum Curvature Db: Sybase						Page: 1					
Plan: Plan #1 Principal: Yes						Date Composed: 6/27/2008 Version: 1 Tied-to: From Surface											
Field: GARFIELD COUNTY (NAD 83) COLORADO Map System: US 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: #29-20D 2362' FSL, 1335' FEL Well Position: +N/-S 18.73 ft Northing: 1649041.56 ft Latitude: 39 35 4.824 N +E/-W -24.46 ft Easting : 2243010.61 ft Longitude: 108 11 10.477 W Position Uncertainty: 0.00 ft																	
Wellpath: 1 Current Datum: SITE Height 7977.00 ft Magnetic Data: 6/27/2008 Field Strength: 52612 nT Vertical Section: Depth From (TVD) ft						Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 10.87 deg Mag Dip Angle: 65.86 deg +E/-W Direction ft deg											
0.00						0.00						0.00 154.33					
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	190.00	409.68	-10.74	-1.89	2.00	2.00	0.00	190.00								
595.35	5.00	147.37	594.33	-26.21	1.20	2.00	0.00	-23.00	-90.00								
1000.00	5.00	147.37	997.44	-55.91	20.22	0.00	0.00	0.00	0.00								
1410.42	13.21	147.37	1402.34	-110.56	55.21	2.00	2.00	0.00	0.00								
6191.79	13.21	147.37	6057.22	-1030.65	644.29	0.00	0.00	0.00	0.00								
7072.35	0.00	0.00	6930.00	-1115.75	698.78	1.50	-1.50	0.00	180.00								
7397.35	3.25	240.00	7254.83	-1120.35	690.80	1.00	1.00	0.00	240.00								
9826.43	3.25	240.00	9680.00	-1189.21	571.54	0.00	0.00	0.00	0.00	PBHL_29-20D							
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	190.00	259.98	-1.72	-0.30	1.42	2.00	2.00	0.00								
360.00	4.00	190.00	359.84	-6.87	-1.21	5.67	2.00	2.00	0.00								
410.00	5.00	190.00	409.68	-10.74	-1.89	8.86	2.00	2.00	0.00	TURN							
460.00	4.92	178.49	459.50	-15.03	-2.21	12.58	1.99	-0.16	-23.02								
560.00	4.92	155.47	559.12	-23.44	-0.29	21.00	1.96	0.00	-23.02								
595.35	5.00	147.37	594.33	-26.21	1.20	24.15	1.99	0.24	-22.91	HOLD							
660.00	5.00	147.37	658.73	-30.96	4.24	29.74	0.00	0.00	0.00								
760.00	5.00	147.37	758.35	-38.30	8.94	38.39	0.00	0.00	0.00								
860.00	5.00	147.37	857.97	-45.64	13.64	47.04	0.00	0.00	0.00								
960.00	5.00	147.37	957.59	-52.98	18.34	55.69	0.00	0.00	0.00								
1000.00	5.00	147.37	997.44	-55.91	20.22	59.16	0.00	0.00	0.00	KOP							

Weatherford Drilling Services

WELL PLAN REPORT

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: CHEVRON J29 596
Well: #29-20D
Wellpath: 1

Date: 6/27/2008 **Time:** 15:02:56 **Page:** 2
Co-ordinate(NE) Reference: Well: #29-20D, True North
Vertical (TVD) Reference: SITE 7977.0
Section (VS) Reference: Well (0.00N,0.00E,154.33Azi)
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
1060.00	6.20	147.37	1057.15	-60.85	23.38	64.97	2.00	2.00	0.00	
1160.00	8.20	147.37	1156.36	-71.40	30.14	77.41	2.00	2.00	0.00	
1260.00	10.20	147.37	1255.07	-84.86	38.76	93.28	2.00	2.00	0.00	
1360.00	12.20	147.37	1353.16	-101.22	49.23	112.56	2.00	2.00	0.00	
1410.42	13.21	147.37	1402.34	-110.56	55.21	123.56	2.00	2.00	0.00	HOLD
1460.00	13.21	147.37	1450.61	-120.10	61.32	134.81	0.00	0.00	0.00	
1560.00	13.21	147.37	1547.96	-139.34	73.64	157.49	0.00	0.00	0.00	
1660.00	13.21	147.37	1645.32	-158.59	85.96	180.17	0.00	0.00	0.00	
1760.00	13.21	147.37	1742.67	-177.83	98.28	202.85	0.00	0.00	0.00	
1860.00	13.21	147.37	1840.03	-197.07	110.60	225.53	0.00	0.00	0.00	
1960.00	13.21	147.37	1937.38	-216.32	122.92	248.21	0.00	0.00	0.00	
2060.00	13.21	147.37	2034.74	-235.56	135.24	270.89	0.00	0.00	0.00	
2160.00	13.21	147.37	2132.09	-254.80	147.56	293.58	0.00	0.00	0.00	
2260.00	13.21	147.37	2229.45	-274.05	159.88	316.26	0.00	0.00	0.00	
2360.00	13.21	147.37	2326.80	-293.29	172.20	338.94	0.00	0.00	0.00	
2460.00	13.21	147.37	2424.15	-312.53	184.52	361.62	0.00	0.00	0.00	
2560.00	13.21	147.37	2521.51	-331.78	196.84	384.30	0.00	0.00	0.00	
2660.00	13.21	147.37	2618.86	-351.02	209.16	406.98	0.00	0.00	0.00	
2760.00	13.21	147.37	2716.22	-370.26	221.48	429.66	0.00	0.00	0.00	
2860.00	13.21	147.37	2813.57	-389.50	233.80	452.34	0.00	0.00	0.00	
2907.69	13.21	147.37	2860.00	-398.68	239.68	463.16	0.00	0.00	0.00	WASATCH 9 5/8"
2960.00	13.21	147.37	2910.93	-408.75	246.12	475.02	0.00	0.00	0.00	
3051.49	13.21	147.37	3000.00	-426.35	257.39	495.78	0.00	0.00	0.00	
3060.00	13.21	147.37	3008.28	-427.99	258.44	497.70	0.00	0.00	0.00	
3160.00	13.21	147.37	3105.64	-447.23	270.76	520.39	0.00	0.00	0.00	
3260.00	13.21	147.37	3202.99	-466.48	283.08	543.07	0.00	0.00	0.00	
3360.00	13.21	147.37	3300.35	-485.72	295.40	565.75	0.00	0.00	0.00	
3460.00	13.21	147.37	3397.70	-504.96	307.72	588.43	0.00	0.00	0.00	
3560.00	13.21	147.37	3495.05	-524.21	320.05	611.11	0.00	0.00	0.00	
3660.00	13.21	147.37	3592.41	-543.45	332.37	633.79	0.00	0.00	0.00	
3760.00	13.21	147.37	3689.76	-562.69	344.69	656.47	0.00	0.00	0.00	
3860.00	13.21	147.37	3787.12	-581.94	357.01	679.15	0.00	0.00	0.00	
3960.00	13.21	147.37	3884.47	-601.18	369.33	701.83	0.00	0.00	0.00	
4060.00	13.21	147.37	3981.83	-620.42	381.65	724.52	0.00	0.00	0.00	
4160.00	13.21	147.37	4079.18	-639.67	393.97	747.20	0.00	0.00	0.00	
4260.00	13.21	147.37	4176.54	-658.91	406.29	769.88	0.00	0.00	0.00	
4360.00	13.21	147.37	4273.89	-678.15	418.61	792.56	0.00	0.00	0.00	
4460.00	13.21	147.37	4371.25	-697.40	430.93	815.24	0.00	0.00	0.00	
4560.00	13.21	147.37	4468.60	-716.64	443.25	837.92	0.00	0.00	0.00	
4660.00	13.21	147.37	4565.95	-735.88	455.57	860.60	0.00	0.00	0.00	
4760.00	13.21	147.37	4663.31	-755.12	467.89	883.28	0.00	0.00	0.00	
4860.00	13.21	147.37	4760.66	-774.37	480.21	905.96	0.00	0.00	0.00	
4900.41	13.21	147.37	4800.00	-782.14	485.19	915.13	0.00	0.00	0.00	FORT UNION
4960.00	13.21	147.37	4858.02	-793.61	492.53	928.65	0.00	0.00	0.00	
5060.00	13.21	147.37	4955.37	-812.85	504.85	951.33	0.00	0.00	0.00	
5160.00	13.21	147.37	5052.73	-832.10	517.17	974.01	0.00	0.00	0.00	
5260.00	13.21	147.37	5150.08	-851.34	529.49	996.69	0.00	0.00	0.00	
5360.00	13.21	147.37	5247.44	-870.58	541.81	1019.37	0.00	0.00	0.00	
5413.99	13.21	147.37	5300.00	-880.97	548.47	1031.62	0.00	0.00	0.00	BASE FT. UNION
5460.00	13.21	147.37	5344.79	-889.83	554.13	1042.05	0.00	0.00	0.00	
5560.00	13.21	147.37	5442.15	-909.07	566.45	1064.73	0.00	0.00	0.00	
5660.00	13.21	147.37	5539.50	-928.31	578.77	1087.41	0.00	0.00	0.00	
5760.00	13.21	147.37	5636.85	-947.56	591.10	1110.09	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: #29-20D
 Wellpath: 1

Date: 6/27/2008 Time: 15:02:56 Page: 3
 Co-ordinate(NE) Reference: Well: #29-20D, True North
 Vertical (TVD) Reference: SITE 7977.0
 Section (VS) Reference: Well (0.00N,0.00E,154.33Azi)
 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
5860.00	13.21	147.37	5734.21	-966.80	603.42	1132.77	0.00	0.00	0.00	
5960.00	13.21	147.37	5831.56	-986.04	615.74	1155.46	0.00	0.00	0.00	
6060.00	13.21	147.37	5928.92	-1005.29	628.06	1178.14	0.00	0.00	0.00	
6160.00	13.21	147.37	6026.27	-1024.53	640.38	1200.82	0.00	0.00	0.00	
6191.79	13.21	147.37	6057.22	-1030.65	644.29	1208.03	0.00	0.00	0.00	DROP
6260.00	12.19	147.37	6123.76	-1043.27	652.38	1222.91	1.50	-1.50	0.00	
6360.00	10.69	147.37	6221.77	-1059.97	663.07	1242.59	1.50	-1.50	0.00	
6460.00	9.19	147.37	6320.27	-1074.50	672.37	1259.71	1.50	-1.50	0.00	
6560.00	7.69	147.37	6419.19	-1086.85	680.28	1274.28	1.50	-1.50	0.00	
6660.00	6.19	147.37	6518.45	-1097.02	686.79	1286.26	1.50	-1.50	0.00	
6671.61	6.01	147.37	6530.00	-1098.06	687.46	1287.49	1.50	-1.50	0.00	OHIO CREEK
6760.00	4.69	147.37	6618.00	-1105.00	691.90	1295.66	1.50	-1.50	0.00	
6860.00	3.19	147.37	6717.76	-1110.78	695.60	1302.47	1.50	-1.50	0.00	
6872.26	3.00	147.37	6730.00	-1111.33	695.95	1303.13	1.50	-1.50	0.00	MESAVERDE
6960.00	1.69	147.37	6817.67	-1114.36	697.89	1306.69	1.50	-1.50	0.00	
7060.00	0.19	147.37	6917.65	-1115.73	698.77	1308.31	1.50	-1.50	0.00	
7072.35	0.00	0.00	6930.00	-1115.75	698.78	1308.33	1.50	-1.50	0.00	APPROX TOP GAS
7160.00	0.88	240.00	7017.65	-1116.08	698.20	1308.38	1.00	1.00	0.00	
7260.00	1.88	240.00	7117.62	-1117.28	696.12	1308.56	1.00	1.00	0.00	
7360.00	2.88	240.00	7217.53	-1119.36	692.53	1308.88	1.00	1.00	0.00	
7397.35	3.25	240.00	7254.83	-1120.35	690.80	1309.03	1.00	1.00	0.00	TREND
7460.00	3.25	240.00	7317.38	-1122.13	687.72	1309.30	0.00	0.00	0.00	
7560.00	3.25	240.00	7417.22	-1124.97	682.81	1309.72	0.00	0.00	0.00	
7660.00	3.25	240.00	7517.06	-1127.80	677.90	1310.15	0.00	0.00	0.00	
7760.00	3.25	240.00	7616.90	-1130.63	672.99	1310.58	0.00	0.00	0.00	
7860.00	3.25	240.00	7716.73	-1133.47	668.08	1311.01	0.00	0.00	0.00	
7960.00	3.25	240.00	7816.57	-1136.30	663.17	1311.44	0.00	0.00	0.00	
8060.00	3.25	240.00	7916.41	-1139.14	658.26	1311.86	0.00	0.00	0.00	
8160.00	3.25	240.00	8016.25	-1141.97	653.35	1312.29	0.00	0.00	0.00	
8260.00	3.25	240.00	8116.09	-1144.81	648.45	1312.72	0.00	0.00	0.00	
8360.00	3.25	240.00	8215.93	-1147.64	643.54	1313.15	0.00	0.00	0.00	
8460.00	3.25	240.00	8315.77	-1150.48	638.63	1313.58	0.00	0.00	0.00	
8560.00	3.25	240.00	8415.61	-1153.31	633.72	1314.00	0.00	0.00	0.00	
8660.00	3.25	240.00	8515.45	-1156.15	628.81	1314.43	0.00	0.00	0.00	
8760.00	3.25	240.00	8615.29	-1158.98	623.90	1314.86	0.00	0.00	0.00	
8860.00	3.25	240.00	8715.13	-1161.82	618.99	1315.29	0.00	0.00	0.00	
8960.00	3.25	240.00	8814.97	-1164.65	614.08	1315.72	0.00	0.00	0.00	
9060.00	3.25	240.00	8914.80	-1167.49	609.17	1316.14	0.00	0.00	0.00	
9160.00	3.25	240.00	9014.64	-1170.32	604.26	1316.57	0.00	0.00	0.00	
9225.46	3.25	240.00	9080.00	-1172.18	601.04	1316.85	0.00	0.00	0.00	CAMEO
9260.00	3.25	240.00	9114.48	-1173.15	599.35	1317.00	0.00	0.00	0.00	
9360.00	3.25	240.00	9214.32	-1175.99	594.44	1317.43	0.00	0.00	0.00	
9460.00	3.25	240.00	9314.16	-1178.82	589.53	1317.85	0.00	0.00	0.00	
9560.00	3.25	240.00	9414.00	-1181.66	584.62	1318.28	0.00	0.00	0.00	
9660.00	3.25	240.00	9513.84	-1184.49	579.71	1318.71	0.00	0.00	0.00	
9676.19	3.25	240.00	9530.00	-1184.95	578.91	1318.78	0.00	0.00	0.00	ROLLINS SS
9760.00	3.25	240.00	9613.68	-1187.33	574.80	1319.14	0.00	0.00	0.00	
9826.43	3.25	240.00	9680.00	-1189.21	571.54	1319.42	0.00	0.00	0.00	PBHL_29-20D

Weatherford Drilling Services

WELL PLAN REPORT

Company: BERRY PETROLEUM COMPANY	Date: 6/27/2008	Time: 15:02:56	Page: 4
Field: GARFIELD COUNTY (NAD 83)	Co-ordinate(NE) Reference: Well: #29-20D, True North		
Site: CHEVRON J29 596	Vertical (TVD) Reference: SITE 7977.0		
Well: #29-20D	Section (VS) Reference: Well (0.00N,0.00E,154.33Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

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
PBHL_29-20D		9680.00	-1145.75	618.78	1647878.022243595.24		39 34 53.500 N	108 11 2.574 W
-Rectangle (100x200)								
-Plan out by 64.19 at		9680.00	-1189.21	571.54	1647835.972243546.73		39 34 53.071 N	108 11 3.178 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3051.49	3000.00	9.625	12.250	9 5/8"

Annotation

MD ft	TVD ft	
160.00	160.00	NUDGE
410.00	409.68	TURN
595.35	594.33	HOLD
1000.00	997.44	KOP
1410.42	1402.34	HOLD
6191.79	6057.22	DROP
7072.35	6930.00	DRIFT
7397.35	7254.83	TREND
9826.43	9680.00	ASSUMED DRIFT PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2907.69	2860.00	WASATCH		0.00	0.00
4900.41	4800.00	FORT UNION		0.00	0.00
5413.99	5300.00	BASE FT. UNION		0.00	0.00
6671.61	6530.00	OHIO CREEK		0.00	0.00
6872.26	6730.00	MESAVERDE		0.00	0.00
7072.35	6930.00	APPROX TOP GAS		0.00	0.00
9225.46	9080.00	CAMEO		0.00	0.00
9676.19	9530.00	ROLLINS SS		0.00	0.00

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-20D
Reference Wellpath:

Date: 6/27/2008
Time: 15:03:51
Page: 1

Co-ordinate(NE) Reference: Well: #29-20D, 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	#29-21D	1 V0 Plan: Plan #1 V1	1400.00	1397.91	22.84	15.56	3.14	
CHEVRON J29 596	#29-24D	1 V0 Plan: Plan #1 V1	100.00	100.00	10.00	9.82	54.93	

Site: CHEVRON J29 596
Well: #29-21D
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	125.38	-6.26	8.82	10.82			No Data
100.00	100.00	100.00	100.00	0.09	0.09	125.38	-6.26	8.82	10.82	10.64	59.42	
200.00	200.00	200.00	200.00	0.31	0.32	294.02	-6.26	8.82	10.70	10.08	17.21	
300.00	299.94	299.77	299.75	0.51	0.52	285.83	-7.99	8.97	10.63	9.60	10.36	
400.00	399.72	399.58	399.42	0.75	0.72	276.52	-13.19	9.43	11.65	10.18	7.93	
500.00	499.34	499.30	498.80	0.99	0.96	293.48	-21.32	10.56	12.73	10.78	6.52	
600.00	598.96	598.96	598.08	1.24	1.21	312.65	-28.84	14.52	13.32	10.89	5.48	
700.00	698.58	698.92	697.67	1.50	1.47	308.98	-35.43	20.22	14.21	11.27	4.84	
800.00	798.20	798.91	797.28	1.76	1.73	305.73	-42.02	25.92	15.15	11.70	4.39	
900.00	897.82	898.91	896.89	2.03	2.00	302.88	-48.60	31.63	16.13	12.16	4.06	
1000.00	997.44	998.90	996.51	2.31	2.27	300.35	-55.19	37.33	17.15	12.64	3.80	
1100.00	1096.88	1098.66	1095.82	2.60	2.54	294.98	-62.28	43.47	17.81	12.73	3.50	
1200.00	1195.91	1198.31	1194.67	2.93	2.85	288.77	-71.79	51.71	18.97	13.23	3.31	
1300.00	1294.38	1298.00	1293.06	3.29	3.20	282.89	-83.90	62.19	20.79	14.32	3.21	
1400.00	1392.19	1397.91	1391.39	3.71	3.58	273.32	-97.27	73.77	22.84	15.56	3.14	
1500.00	1489.55	1497.73	1489.64	4.16	3.96	260.84	-110.62	85.33	25.68	17.62	3.19	
1600.00	1586.91	1597.55	1587.88	4.62	4.35	251.15	-123.97	96.89	29.48	20.73	3.37	
1700.00	1684.26	1697.37	1686.13	5.09	4.74	243.83	-137.33	108.46	33.93	24.54	3.61	
1800.00	1781.61	1797.19	1784.37	5.56	5.13	238.27	-150.68	120.02	38.79	28.79	3.88	
1900.00	1878.97	1897.01	1882.62	6.04	5.53	233.98	-164.03	131.59	43.94	33.34	4.15	
2000.00	1976.32	1996.83	1980.86	6.52	5.92	230.61	-177.38	143.15	49.28	38.09	4.40	
2100.00	2073.68	2096.65	2079.10	7.00	6.32	227.90	-190.74	154.71	54.77	42.97	4.64	
2200.00	2171.03	2196.47	2177.35	7.48	6.72	225.68	-204.09	166.28	60.35	47.96	4.87	
2300.00	2268.39	2296.29	2275.59	7.97	7.12	223.85	-217.44	177.84	66.00	53.01	5.08	
2400.00	2365.74	2396.11	2373.84	8.46	7.52	222.30	-230.80	189.41	71.71	58.12	5.27	
2500.00	2463.10	2495.93	2472.08	8.94	7.93	220.99	-244.15	200.97	77.47	63.26	5.45	
2600.00	2560.45	2595.75	2570.32	9.43	8.33	219.85	-257.50	212.53	83.26	68.45	5.62	
2700.00	2657.81	2695.57	2668.57	9.92	8.73	218.87	-270.86	224.10	89.08	73.65	5.78	
2800.00	2755.16	2795.39	2766.81	10.41	9.14	218.00	-284.21	235.66	94.92	78.88	5.92	
2900.00	2852.51	2895.21	2865.06	10.90	9.54	217.24	-297.56	247.23	100.78	84.13	6.05	
3000.00	2949.87	2995.02	2963.30	11.39	9.95	216.56	-310.92	258.79	106.66	89.39	6.18	
3100.00	3047.22	3094.84	3061.55	11.89	10.35	215.95	-324.27	270.36	112.55	94.67	6.29	
3200.00	3144.58	3194.66	3159.79	12.38	10.76	215.40	-337.62	281.92	118.45	99.95	6.40	
3300.00	3241.93	3294.48	3258.03	12.87	11.16	214.90	-350.98	293.48	124.37	105.24	6.50	
3400.00	3339.29	3394.30	3356.28	13.36	11.57	214.45	-364.33	305.05	130.29	110.54	6.60	
3500.00	3436.64	3494.12	3454.52	13.86	11.97	214.04	-377.68	316.61	136.21	115.85	6.69	

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Reference Site: CHEVRON J29 596 Reference Well: #29-20D Reference Wellpath:	Date: 6/27/2008 Time: 15:03:51	Page: 2 Co-ordinate(NE) Reference: Well: #29-20D, True North Vertical (TVD) Reference: SITE 7977.0 Db: Sybase
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Site: CHEVRON J29 596
Well: #29-21D
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		
3600.00	3534.00	3593.94	3552.77	14.35	12.38	213.66	-391.04	328.18	142.15	121.16	6.77	
3700.00	3631.35	3693.76	3651.01	14.84	12.78	213.31	-404.39	339.74	148.09	126.48	6.85	
3800.00	3728.71	3793.58	3749.25	15.34	13.19	212.99	-417.74	351.30	154.03	131.80	6.93	
3900.00	3826.06	3893.40	3847.50	15.83	13.60	212.70	-431.10	362.87	159.98	137.13	7.00	
4000.00	3923.41	3993.22	3945.74	16.32	14.00	212.42	-444.45	374.43	165.94	142.46	7.07	
4100.00	4020.77	4093.04	4043.99	16.82	14.41	212.17	-457.80	386.00	171.89	147.79	7.13	
4200.00	4118.12	4192.86	4142.23	17.31	14.82	211.93	-471.16	397.56	177.85	153.13	7.19	
4300.00	4215.48	4292.68	4240.47	17.81	15.22	211.70	-484.51	409.12	183.82	158.46	7.25	
4400.00	4312.83	4392.50	4338.72	18.30	15.63	211.49	-497.86	420.69	189.78	163.80	7.31	
4500.00	4410.19	4492.32	4436.96	18.80	16.04	211.30	-511.22	432.25	195.75	169.15	7.36	
4600.00	4507.54	4592.14	4535.21	19.29	16.44	211.11	-524.57	443.82	201.72	174.49	7.41	
4700.00	4604.90	4691.96	4633.45	19.79	16.85	210.94	-537.92	455.38	207.69	179.84	7.46	
4800.00	4702.25	4791.78	4731.70	20.28	17.26	210.77	-551.28	466.94	213.67	185.18	7.50	
4900.00	4799.61	4891.60	4829.94	20.78	17.67	210.62	-564.63	478.51	219.64	190.53	7.54	
5000.00	4896.96	4991.42	4928.18	21.27	18.07	210.47	-577.98	490.07	225.62	195.88	7.59	
5100.00	4994.31	5091.24	5026.43	21.77	18.48	210.33	-591.34	501.64	231.60	201.23	7.63	
5200.00	5091.67	5191.06	5124.67	22.26	18.89	210.19	-604.69	513.20	237.58	206.59	7.67	
5300.00	5189.02	5290.87	5222.92	22.76	19.30	210.07	-618.04	524.76	243.56	211.94	7.70	
5400.00	5286.38	5390.69	5321.16	23.25	19.70	209.95	-631.40	536.33	249.54	217.29	7.74	
5500.00	5383.73	5490.51	5419.40	23.75	20.11	209.83	-644.75	547.89	255.52	222.65	7.77	
5600.00	5481.09	5590.33	5517.65	24.24	20.52	209.72	-658.10	559.46	261.51	228.00	7.81	
5700.00	5578.44	5690.15	5615.89	24.74	20.93	209.62	-671.46	571.02	267.49	233.36	7.84	
5800.00	5675.80	5789.97	5714.14	25.23	21.33	209.52	-684.81	582.58	273.48	238.72	7.87	
5900.00	5773.15	5889.79	5812.38	25.73	21.74	209.42	-698.16	594.15	279.47	244.08	7.90	
6000.00	5870.51	5989.61	5910.63	26.22	22.15	209.33	-711.51	605.71	285.45	249.44	7.93	
6100.00	5967.86	6089.43	6008.87	26.72	22.56	209.24	-724.87	617.28	291.44	254.80	7.95	
6200.00	6065.22	6189.25	6107.11	27.21	22.96	209.16	-738.22	628.84	297.42	260.15	7.98	
6300.00	6162.91	6289.14	6205.43	27.55	23.37	209.18	-751.58	640.41	302.08	264.21	7.98	
6400.00	6261.12	6386.70	6301.47	27.86	23.75	209.43	-764.49	651.59	304.62	266.13	7.91	
6500.00	6359.79	6480.72	6394.36	28.15	24.01	209.68	-775.51	661.13	306.49	267.47	7.85	
6600.00	6458.86	6574.74	6487.57	28.40	24.24	209.90	-784.80	669.18	308.04	268.53	7.80	
6700.00	6558.24	6668.75	6581.05	28.62	24.44	210.07	-792.35	675.71	309.26	269.33	7.75	
6800.00	6657.88	6762.77	6674.75	28.80	24.62	210.21	-798.15	680.74	310.14	269.85	7.70	
6900.00	6757.71	6856.79	6768.61	28.96	24.78	210.32	-802.22	684.26	310.70	270.09	7.65	
7000.00	6857.66	6950.81	6862.58	29.09	24.91	210.39	-804.53	686.27	310.91	270.05	7.61	
7100.00	6957.65	7046.34	6958.11	29.20	25.03	117.79	-805.14	686.75	310.87	272.98	8.20	
7200.00	7057.64	7148.94	7060.70	29.29	25.14	117.82	-805.76	685.68	310.94	269.52	7.51	
7300.00	7157.59	7251.54	7163.25	29.37	25.24	117.83	-807.30	683.01	310.99	269.30	7.46	
7400.00	7257.47	7354.12	7265.71	29.45	25.33	117.84	-809.76	678.76	311.01	269.08	7.42	
7500.00	7357.31	7454.12	7365.55	29.55	25.44	117.84	-812.59	673.85	311.01	268.87	7.38	
7600.00	7457.15	7554.12	7465.39	29.66	25.55	117.84	-815.43	668.94	311.01	268.65	7.34	
7700.00	7556.99	7654.12	7565.23	29.76	25.66	117.84	-818.26	664.03	311.01	268.43	7.30	
7800.00	7656.83	7754.12	7665.07	29.87	25.77	117.84	-821.10	659.12	311.01	268.20	7.26	
7900.00	7756.67	7854.12	7764.91	29.98	25.88	117.84	-823.93	654.21	311.01	267.97	7.23	
8000.00	7856.51	7954.12	7864.74	30.09	26.00	117.84	-826.77	649.30	311.01	267.73	7.19	
8100.00	7956.35	8054.12	7964.58	30.20	26.12	117.84	-829.60	644.39	311.01	267.50	7.15	
8200.00	8056.19	8154.12	8064.42	30.31	26.24	117.84	-832.43	639.48	311.01	267.25	7.11	
8300.00	8156.03	8254.12	8164.26	30.43	26.36	117.84	-835.27	634.57	311.01	267.00	7.07	
8400.00	8255.87	8354.12	8264.10	30.55	26.48	117.84	-838.10	629.66	311.01	266.75	7.03	
8500.00	8355.71	8454.12	8363.94	30.66	26.61	117.84	-840.94	624.75	311.01	266.50	6.99	
8600.00	8455.54	8554.12	8463.78	30.78	26.73	117.84	-843.77	619.84	311.01	266.24	6.95	

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-20D
Reference Wellpath:

Date: 6/27/2008
Time: 15:03:51
Page: 3

Co-ordinate(Ne) Reference: Well: #29-20D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

Site: CHEVRON J29 596
Well: #29-21D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8700.00	8555.38	8654.12	8563.62	30.90	26.86	117.84	-846.61	614.93	311.01	265.98	6.91	
8800.00	8655.22	8754.12	8663.46	31.03	26.99	117.84	-849.44	610.02	311.01	265.71	6.87	
8900.00	8755.06	8854.12	8763.30	31.15	27.12	117.84	-852.28	605.11	311.01	265.44	6.82	
9000.00	8854.90	8954.12	8863.14	31.27	27.26	117.84	-855.11	600.20	311.01	265.16	6.78	
9100.00	8954.74	9054.12	8962.98	31.40	27.39	117.84	-857.95	595.29	311.01	264.89	6.74	
9200.00	9054.58	9154.12	9062.81	31.53	27.52	117.84	-860.78	590.38	311.01	264.60	6.70	
9300.00	9154.42	9254.12	9162.65	31.66	27.66	117.84	-863.62	585.47	311.01	264.32	6.66	
9400.00	9254.26	9354.12	9262.49	31.79	27.80	117.84	-866.45	580.56	311.01	264.03	6.62	
9500.00	9354.10	9454.12	9362.33	31.92	27.94	117.84	-869.28	575.65	311.01	263.74	6.58	
9600.00	9453.94	9554.12	9462.17	32.05	28.08	117.84	-872.12	570.74	311.01	263.44	6.54	
9700.00	9553.78	9654.12	9562.01	32.19	28.22	117.84	-874.95	565.83	311.01	263.15	6.50	
9800.00	9653.61	9754.12	9661.85	32.32	28.37	117.84	-877.79	560.92	311.01	262.84	6.46	

Site: CHEVRON J29 596
Well: #29-24D
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
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	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	200.06	200.06	0.31	0.31	121.36	6.34	-7.56	10.01	9.39	16.17	
300.00	299.94	299.98	299.93	0.51	0.53	149.52	7.51	-4.65	11.61	10.57	11.14	
400.00	399.72	399.13	398.85	0.75	0.77	179.07	9.97	1.43	20.13	18.63	13.42	
500.00	499.34	498.78	498.13	0.99	1.01	211.78	11.90	9.77	32.60	30.65	16.74	
600.00	598.96	598.25	597.23	1.24	1.28	236.39	12.54	18.41	42.66	40.23	17.57	
700.00	698.58	697.86	696.45	1.50	1.54	236.90	13.18	27.07	51.57	48.63	17.59	
800.00	798.20	797.46	795.67	1.76	1.81	237.25	13.81	35.73	60.47	57.03	17.56	
900.00	897.82	897.06	894.89	2.03	2.08	237.51	14.45	44.39	69.38	65.42	17.51	
1000.00	997.44	996.66	994.12	2.31	2.36	237.72	15.09	53.04	78.29	73.81	17.45	
1100.00	1096.88	1095.35	1092.38	2.60	2.63	237.40	15.76	62.15	88.40	83.37	17.59	
1200.00	1195.91	1193.18	1189.46	2.93	2.93	237.09	16.64	74.14	101.83	96.21	18.15	
1300.00	1294.38	1291.87	1287.26	3.29	3.25	236.01	17.62	87.37	117.71	111.47	18.86	
1400.00	1392.19	1390.12	1384.62	3.71	3.57	234.06	18.59	100.54	135.65	128.75	19.66	
1500.00	1489.55	1488.06	1481.66	4.16	3.89	231.75	19.56	113.68	155.00	147.43	20.46	
1600.00	1586.91	1585.99	1578.71	4.62	4.21	229.93	20.53	126.81	174.57	166.31	21.15	
1700.00	1684.26	1683.92	1675.75	5.09	4.54	228.47	21.49	139.94	194.27	185.33	21.74	
1800.00	1781.61	1781.85	1772.79	5.56	4.86	227.28	22.46	153.07	214.06	204.45	22.26	
1900.00	1878.97	1879.79	1869.84	6.04	5.19	226.29	23.43	166.20	233.94	223.64	22.71	
2000.00	1976.32	1977.72	1966.88	6.52	5.51	225.46	24.40	179.33	253.87	242.88	23.11	
2100.00	2073.68	2075.65	2063.92	7.00	5.84	224.75	25.37	192.47	273.84	262.17	23.46	
2200.00	2171.03	2173.58	2160.97	7.48	6.16	224.13	26.33	205.60	293.85	281.49	23.78	
2300.00	2268.39	2271.52	2258.01	7.97	6.49	223.60	27.30	218.73	313.88	300.84	24.06	
2400.00	2365.74	2369.45	2355.05	8.46	6.82	223.12	28.27	231.86	333.94	320.21	24.31	
2500.00	2463.10	2467.38	2452.10	8.94	7.15	222.70	29.24	244.99	354.02	339.60	24.55	
2600.00	2560.45	2565.31	2549.14	9.43	7.47	222.33	30.20	258.12	374.12	359.01	24.76	
2700.00	2657.81	2663.25	2646.18	9.92	7.80	221.99	31.17	271.26	394.23	378.43	24.95	
2800.00	2755.16	2761.18	2743.23	10.41	8.13	221.69	32.14	284.39	414.35	397.86	25.13	
2900.00	2852.51	2859.11	2840.27	10.90	8.46	221.42	33.11	297.52	434.48	417.30	25.29	
3000.00	2949.87	2957.04	2937.31	11.39	8.79	221.17	34.08	310.65	454.62	436.75	25.44	
3100.00	3047.22	3054.98	3034.35	11.89	9.11	220.94	35.04	323.78	474.77	456.20	25.58	
3200.00	3144.58	3152.91	3131.40	12.38	9.44	220.73	36.01	336.91	494.92	475.67	25.71	

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: CHEVRON J29 596
Reference Well: #29-20D
Reference Wellpath:

Date: 6/27/2008
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Co-ordinate(NE) Reference: Well: #29-20D, True North
Vertical (TVD) Reference: SITE 7977.0
Db: Sybase

Site: CHEVRON J29 596
Well: #29-24D
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		
3300.00	3241.93	3250.84	3228.44	12.87	9.77	220.53	36.98	350.04	515.08	495.14	25.83	
3400.00	3339.29	3348.77	3325.48	13.36	10.10	220.35	37.95	363.18	535.25	514.61	25.94	
3500.00	3436.64	3446.70	3422.53	13.86	10.43	220.19	38.91	376.31	555.42	534.09	26.05	
3600.00	3534.00	3544.64	3519.57	14.35	10.76	220.03	39.88	389.44	575.59	553.57	26.14	
3700.00	3631.35	3642.57	3616.61	14.84	11.09	219.89	40.85	402.57	595.77	573.06	26.24	
3800.00	3728.71	3740.50	3713.66	15.34	11.42	219.75	41.82	415.70	615.95	592.55	26.32	
3900.00	3826.06	3838.43	3810.70	15.83	11.74	219.62	42.79	428.83	636.13	612.04	26.41	
4000.00	3923.41	3936.37	3907.74	16.32	12.07	219.51	43.75	441.97	656.32	631.54	26.48	
4100.00	4020.77	4034.30	4004.79	16.82	12.40	219.39	44.72	455.10	676.51	651.04	26.56	
4200.00	4118.12	4132.23	4101.83	17.31	12.73	219.29	45.69	468.23	696.70	670.54	26.63	
4300.00	4215.48	4230.16	4198.87	17.81	13.06	219.19	46.66	481.36	716.90	690.04	26.69	
4400.00	4312.83	4328.10	4295.92	18.30	13.39	219.10	47.62	494.49	737.09	709.54	26.75	
4500.00	4410.19	4426.03	4392.96	18.80	13.72	219.01	48.59	507.62	757.29	729.05	26.81	
4600.00	4507.54	4523.96	4490.00	19.29	14.05	218.92	49.56	520.76	777.49	748.55	26.87	
4700.00	4604.90	4621.89	4587.05	19.79	14.38	218.84	50.53	533.89	797.69	768.06	26.92	
4800.00	4702.25	4719.83	4684.09	20.28	14.71	218.77	51.50	547.02	817.89	787.57	26.98	
4900.00	4799.61	4817.76	4781.13	20.78	15.04	218.70	52.46	560.15	838.10	807.09	27.03	
5000.00	4896.96	4915.69	4878.18	21.27	15.37	218.63	53.43	573.28	858.30	826.60	27.07	
5100.00	4994.31	5013.62	4975.22	21.77	15.70	218.56	54.40	586.41	878.51	846.11	27.12	
5200.00	5091.67	5111.56	5072.26	22.26	16.03	218.50	55.37	599.54	898.71	865.63	27.16	
5300.00	5189.02	5209.49	5169.31	22.76	16.35	218.44	56.33	612.68	918.92	885.14	27.20	
5400.00	5286.38	5307.42	5266.35	23.25	16.68	218.38	57.30	625.81	939.13	904.66	27.24	
5500.00	5383.73	5405.35	5363.39	23.75	17.01	218.33	58.27	638.94	959.34	924.18	27.28	
5600.00	5481.09	5503.29	5460.44	24.24	17.34	218.27	59.24	652.07	979.55	943.69	27.32	
5700.00	5578.44	5601.22	5557.48	24.74	17.67	218.22	60.21	665.20	999.76	963.21	27.35	
5800.00	5675.80	5699.15	5654.52	25.23	18.00	218.17	61.17	678.33	1019.98	982.73	27.39	
5900.00	5773.15	5797.08	5751.57	25.73	18.33	218.13	62.14	691.47	1040.19	1002.25	27.42	
6000.00	5870.51	5895.02	5848.61	26.22	18.66	218.08	63.11	704.60	1060.40	1021.77	27.45	
6100.00	5967.86	5992.95	5945.65	26.72	18.99	218.04	64.08	717.73	1080.62	1041.30	27.48	
6200.00	6065.22	6090.88	6042.70	27.21	19.32	217.98	65.04	730.86	1100.82	1060.82	27.51	
6300.00	6162.91	6189.05	6139.97	27.55	19.65	217.81	66.01	744.02	1119.86	1079.27	27.59	
6400.00	6261.12	6287.58	6237.60	27.86	19.98	217.74	66.99	757.23	1136.86	1095.70	27.62	
6500.00	6359.79	6386.39	6335.52	28.15	20.32	217.77	67.96	770.48	1151.83	1110.10	27.60	
6600.00	6458.86	6485.43	6433.66	28.40	20.65	217.90	68.94	783.76	1164.76	1122.47	27.54	
6700.00	6558.24	6587.09	6534.44	28.62	20.97	218.11	69.93	797.09	1175.62	1132.79	27.45	
6800.00	6657.88	6692.04	6638.77	28.80	21.21	218.31	70.76	808.42	1184.07	1140.80	27.36	
6900.00	6757.71	6797.42	6743.80	28.96	21.43	218.48	71.39	816.92	1190.03	1146.38	27.26	
7000.00	6857.66	6903.10	6849.33	29.09	21.61	218.61	71.80	822.53	1193.47	1149.50	27.14	
7100.00	6957.65	7008.96	6955.15	29.20	21.77	126.08	72.00	825.23	1194.50	1150.18	26.95	
7200.00	7057.64	7119.54	7065.73	29.29	21.91	126.13	71.83	825.17	1195.15	1150.61	26.84	
7300.00	7157.59	7233.57	7179.73	29.37	22.02	126.17	70.61	823.05	1195.71	1150.94	26.70	
7400.00	7257.47	7347.62	7293.68	29.45	22.12	126.20	68.25	818.97	1196.14	1151.15	26.59	
7500.00	7357.31	7451.47	7397.36	29.55	22.20	126.20	65.35	813.95	1196.18	1151.02	26.49	
7600.00	7457.15	7551.47	7497.20	29.66	22.28	126.20	62.52	809.04	1196.18	1150.84	26.38	
7700.00	7556.99	7651.47	7597.04	29.76	22.36	126.20	59.68	804.13	1196.18	1150.66	26.28	
7800.00	7656.83	7751.47	7696.88	29.87	22.45	126.20	56.85	799.22	1196.18	1150.47	26.17	
7900.00	7756.67	7851.47	7796.72	29.98	22.53	126.20	54.01	794.31	1196.18	1150.28	26.06	
8000.00	7856.51	7951.47	7896.56	30.09	22.62	126.20	51.18	789.40	1196.18	1150.08	25.95	
8100.00	7956.35	8051.47	7996.40	30.20	22.71	126.20	48.34	784.49	1196.18	1149.88	25.84	
8200.00	8056.19	8151.47	8096.24	30.31	22.81	126.20	45.51	779.58	1196.18	1149.68	25.72	
8300.00	8156.03	8251.47	8196.08	30.43	22.90	126.20	42.67	774.67	1196.18	1149.47	25.61	

Company: BERRY PETROLEUM COMPANY
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Co-ordinate(NE) Reference: Well: #29-20D, True North
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Site: CHEVRON J29 596
Well: #29-24D
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		
8400.00	8255.87	8351.47	8295.92	30.55	23.00	126.20	39.84	769.76	1196.18	1149.26	25.49	
8500.00	8355.71	8451.47	8395.76	30.66	23.10	126.20	37.01	764.85	1196.18	1149.04	25.37	
8600.00	8455.54	8551.47	8495.60	30.78	23.21	126.20	34.17	759.94	1196.18	1148.82	25.26	
8700.00	8555.38	8651.47	8595.43	30.90	23.31	126.20	31.34	755.03	1196.18	1148.59	25.14	
8800.00	8655.22	8751.47	8695.27	31.03	23.42	126.20	28.50	750.12	1196.18	1148.37	25.02	
8900.00	8755.06	8851.47	8795.11	31.15	23.53	126.20	25.67	745.21	1196.18	1148.13	24.90	
9000.00	8854.90	8951.47	8894.95	31.27	23.64	126.20	22.83	740.30	1196.18	1147.90	24.77	
9100.00	8954.74	9051.47	8994.79	31.40	23.75	126.20	20.00	735.39	1196.18	1147.66	24.65	
9200.00	9054.58	9151.47	9094.63	31.53	23.87	126.20	17.16	730.48	1196.18	1147.41	24.53	
9300.00	9154.42	9251.47	9194.47	31.66	23.98	126.20	14.33	725.57	1196.18	1147.17	24.41	
9400.00	9254.26	9351.47	9294.31	31.79	24.10	126.20	11.49	720.66	1196.18	1146.92	24.28	
9500.00	9354.10	9451.47	9394.15	31.92	24.22	126.20	8.66	715.75	1196.18	1146.66	24.16	
9600.00	9453.94	9551.47	9493.99	32.05	24.34	126.20	5.82	710.84	1196.18	1146.41	24.03	
9700.00	9553.78	9651.47	9593.83	32.19	24.47	126.20	2.99	705.93	1196.18	1146.14	23.91	
9800.00	9653.61	9751.47	9693.67	32.32	24.60	126.20	0.16	701.02	1196.18	1145.88	23.78	