



Drilling Services

Proposal

BERRY PETROLEUM COMPANY

BERRY 1-33D

GARFIELD COUNTY, CO

WELL FILE:PLAN 1

DECEMBER 11, 2007

Weatherford International Ltd.

2690 Oil Drive
Casper, Wyoming 82604
+1.307.265.1413 Main
+1.307.235.3958 Fax
www.weatherford.com



Berry Petroleum Company

BERRY 1-33D
3064' FNL, 1924' FWL
SECTION 1 T6S R96W
GARFIELD COUNTY, CO

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	255.62	0.00	0.00	0.00	0.00	0.00	0.00	
2	250.00	0.00	255.62	250.00	0.00	0.00	0.00	255.62	0.00	
3	750.00	5.00	255.62	749.37	-5.41	-21.12	1.00	255.62	21.80	
4	1250.00	5.00	255.62	1247.46	-16.24	-63.33	0.00	0.00	65.38	
5	1738.93	14.78	255.62	1728.55	-37.07	-144.57	2.00	0.00	149.25	
6	5613.01	14.78	255.62	5474.46	-282.51	-1101.83	0.00	0.00	1137.47	
7	7090.88	0.00	255.62	6936.00	-329.59	-1285.44	1.00	180.00	1327.02	
8	9990.88	0.00	255.62	9836.00	-329.59	-1285.44	0.00	255.62	1327.02	PBHL 1-33D

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
BERRY 1-33D	-90.37	-100.75	1638475.12	2246924.09	39°33'21.578N	108°10'16.544W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
PBHL 1-33D	9836.00	-329.59	-1285.44	1638183.46	2245629.52	Rectangle (100x200)	

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3066.00	3122.15	WASATCH
2	3280.00	3343.47	FORT UNION
3	6536.00	6690.55	OHIO CREEK
4	6836.00	6990.88	MESAVERDE
5	6936.00	7090.88	APPROX TOP GAS
6	9261.00	9415.88	CAMEO
7	9736.00	9890.88	ROLLINS SS



Azimuths to True North
Magnetic North: 10.92°

Magnetic Field
Strength: 52669nT
Dip Angle: 65.88°
Date: 12/11/2007
Model: bggm2006

TOTAL CORRECTION TO TRUE NORTH 10.92°

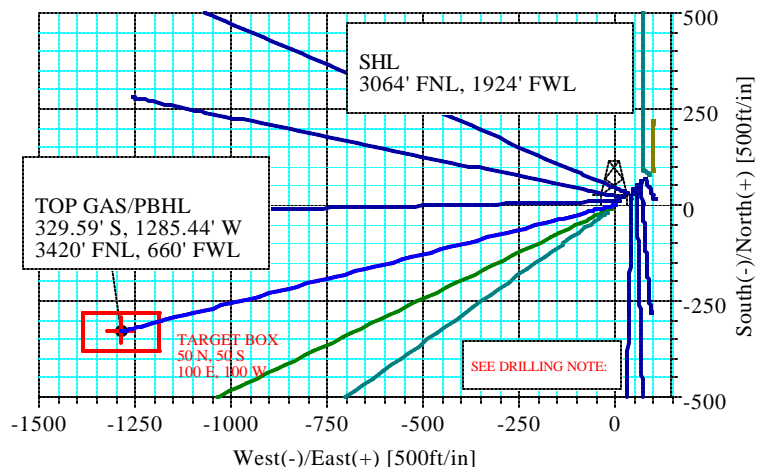
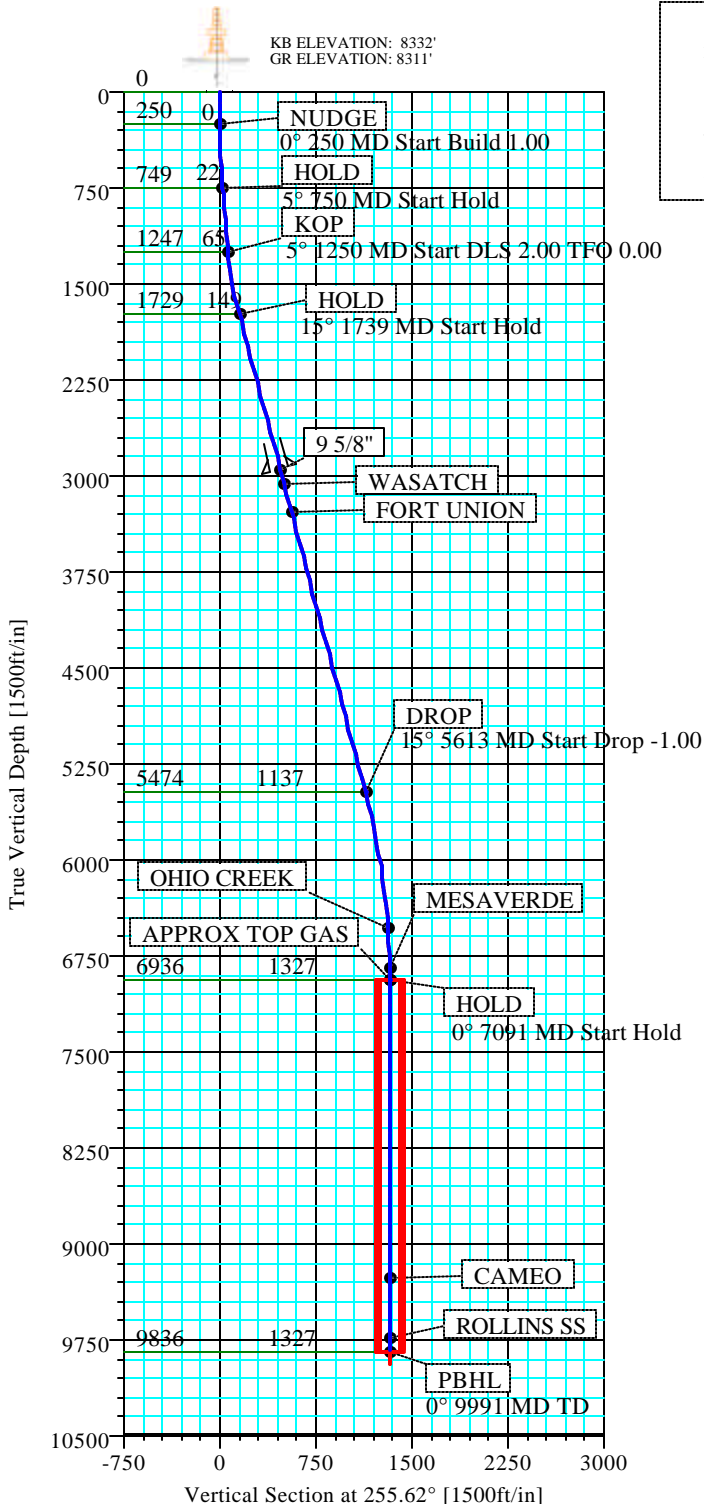
FIELD DETAILS

GARFIELD COUNTY (NAD 83)
COLORADO

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Colorado, Central Zone
Magnetic Model: bggm2006

System Datum: Mean Sea Level
Local North: True North

-DRILLING NOTE-
TO ACCOUNT FOR THE 240° DRIFT IN AZIMUTH, AIM
FOR THE NE SIDE OF PBHL, AND BE IN THE TARGET WINDOW
BY THE TOP GAS AND STAY
WITHIN THE WINDOW TO TD. DO NOT GO OUTSIDE THE
WINDOW.



Plan: Plan #1 (BERRY 1-33D/1)

Created By: ROBERT SCOTT

Date: 12/11/2007

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: BERRY 1-21D PAD Well: BERRY 1-33D Wellpath: 1	Date: 12/11/2007 Time: 14:26:06 Page: 1 Co-ordinate(NE) Reference: Well: BERRY 1-33D, True North Vertical (TVD) Reference: KB 8332.0 Section (VS) Reference: Well (0.00N,0.00E,255.62Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
---	---

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: bggm2006
--	--	--

Site: BERRY 1-21D PAD SECTION 1 T6S R97W 2971' FNL, 2022' FWL	Site Position: From: Geographic Northing: 1638562.48 ft Latitude: 39 33 22.471 N Position Uncertainty: 0.00 ft Easting: 2247027.45 ft Longitude: 108 10 15.258 W Ground Level: 8311.00 ft North Reference: True Grid Convergence: -1.68 deg
--	---

Well: BERRY 1-33D 3064' FNL, 1924' FWL	Slot Name: Well Position: +N/-S -90.37 ft Northing: 1638475.12 ft Latitude: 39 33 21.578 N +E/-W -100.75 ft Easting: 2246924.09 ft Longitude: 108 10 16.544 W Position Uncertainty: 0.00 ft
--	---

Wellpath: 1 Current Datum: KB Height 8332.00 ft Magnetic Data: 12/11/2007 Field Strength: 52669 nT Vertical Section: Depth From (TVD) ft +N/-S ft +E/-W ft Direction deg	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 10.92 deg Mag Dip Angle: 65.88 deg
0.00 0.00 0.00 255.62	

Plan: Plan #1 Principal: Yes	Date Composed: 5/24/2007 Version: 1 Tied-to: From Surface
---	--

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	255.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	255.62	250.00	0.00	0.00	0.00	0.00	0.00	255.62	
750.00	5.00	255.62	749.37	-5.41	-21.12	1.00	1.00	0.00	255.62	
1250.00	5.00	255.62	1247.46	-16.24	-63.33	0.00	0.00	0.00	0.00	
1738.93	14.78	255.62	1728.55	-37.07	-144.57	2.00	2.00	0.00	0.00	
5613.01	14.78	255.62	5474.46	-282.51	-1101.83	0.00	0.00	0.00	0.00	
7090.88	0.00	255.62	6936.00	-329.59	-1285.44	1.00	-1.00	0.00	180.00	
9990.88	0.00	255.62	9836.00	-329.59	-1285.44	0.00	0.00	0.00	255.62	PBHL 1-33D

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
250.00	0.00	255.62	250.00	0.00	0.00	0.00	0.00	0.00	0.00	NUDGE
350.00	1.00	255.62	349.99	-0.22	-0.85	0.87	1.00	1.00	0.00	
450.00	2.00	255.62	449.96	-0.87	-3.38	3.49	1.00	1.00	0.00	
550.00	3.00	255.62	549.86	-1.95	-7.61	7.85	1.00	1.00	0.00	
650.00	4.00	255.62	649.68	-3.47	-13.52	13.96	1.00	1.00	0.00	
750.00	5.00	255.62	749.37	-5.41	-21.12	21.80	1.00	1.00	0.00	HOLD
850.00	5.00	255.62	848.99	-7.58	-29.56	30.52	0.00	0.00	0.00	
950.00	5.00	255.62	948.60	-9.74	-38.00	39.23	0.00	0.00	0.00	
1050.00	5.00	255.62	1048.22	-11.91	-46.45	47.95	0.00	0.00	0.00	
1150.00	5.00	255.62	1147.84	-14.07	-54.89	56.67	0.00	0.00	0.00	
1250.00	5.00	255.62	1247.46	-16.24	-63.33	65.38	0.00	0.00	0.00	KOP
1350.00	7.00	255.62	1346.91	-18.83	-73.46	75.83	2.00	2.00	0.00	
1450.00	9.00	255.62	1445.93	-22.29	-86.94	89.75	2.00	2.00	0.00	
1550.00	11.00	255.62	1544.41	-26.60	-103.76	107.11	2.00	2.00	0.00	

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: BERRY 1-21D PAD Well: BERRY 1-33D Wellpath: 1	Date: 12/11/2007 Time: 14:26:06 Page: 2 Co-ordinate(NE) Reference: Well: BERRY 1-33D, True North Vertical (TVD) Reference: KB 8332.0 Section (VS) Reference: Well (0.00N,0.00E,255.62Azi) 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
1650.00	13.00	255.62	1642.22	-31.77	-123.90	127.90	2.00	2.00	0.00	
1738.93	14.78	255.62	1728.55	-37.07	-144.57	149.25	2.00	2.00	0.00	HOLD
1750.00	14.78	255.62	1739.25	-37.77	-147.31	152.07	0.00	0.00	0.00	
1850.00	14.78	255.62	1835.94	-44.10	-172.02	177.58	0.00	0.00	0.00	
1950.00	14.78	255.62	1932.63	-50.44	-196.73	203.09	0.00	0.00	0.00	
2050.00	14.78	255.62	2029.32	-56.78	-221.44	228.60	0.00	0.00	0.00	
2150.00	14.78	255.62	2126.01	-63.11	-246.15	254.11	0.00	0.00	0.00	
2250.00	14.78	255.62	2222.71	-69.45	-270.86	279.62	0.00	0.00	0.00	
2350.00	14.78	255.62	2319.40	-75.78	-295.57	305.13	0.00	0.00	0.00	
2450.00	14.78	255.62	2416.09	-82.12	-320.27	330.63	0.00	0.00	0.00	
2550.00	14.78	255.62	2512.78	-88.45	-344.98	356.14	0.00	0.00	0.00	
2650.00	14.78	255.62	2609.47	-94.79	-369.69	381.65	0.00	0.00	0.00	
2750.00	14.78	255.62	2706.17	-101.12	-394.40	407.16	0.00	0.00	0.00	
2850.00	14.78	255.62	2802.86	-107.46	-419.11	432.67	0.00	0.00	0.00	
2950.00	14.78	255.62	2899.55	-113.80	-443.82	458.18	0.00	0.00	0.00	
3000.00	14.78	255.62	2947.90	-116.96	-456.18	470.93	0.00	0.00	0.00	9 5/8"
3050.00	14.78	255.62	2996.24	-120.13	-468.53	483.69	0.00	0.00	0.00	
3122.15	14.78	255.62	3066.00	-124.70	-486.36	502.09	0.00	0.00	0.00	WASATCH
3150.00	14.78	255.62	3092.93	-126.47	-493.24	509.19	0.00	0.00	0.00	
3250.00	14.78	255.62	3189.63	-132.80	-517.95	534.70	0.00	0.00	0.00	
3343.47	14.78	255.62	3280.00	-138.72	-541.04	558.55	0.00	0.00	0.00	FORT UNION
3350.00	14.78	255.62	3286.32	-139.14	-542.66	560.21	0.00	0.00	0.00	
3450.00	14.78	255.62	3383.01	-145.47	-567.37	585.72	0.00	0.00	0.00	
3550.00	14.78	255.62	3479.70	-151.81	-592.08	611.23	0.00	0.00	0.00	
3650.00	14.78	255.62	3576.39	-158.14	-616.79	636.74	0.00	0.00	0.00	
3750.00	14.78	255.62	3673.08	-164.48	-641.50	662.25	0.00	0.00	0.00	
3850.00	14.78	255.62	3769.78	-170.82	-666.20	687.76	0.00	0.00	0.00	
3950.00	14.78	255.62	3866.47	-177.15	-690.91	713.26	0.00	0.00	0.00	
4050.00	14.78	255.62	3963.16	-183.49	-715.62	738.77	0.00	0.00	0.00	
4150.00	14.78	255.62	4059.85	-189.82	-740.33	764.28	0.00	0.00	0.00	
4250.00	14.78	255.62	4156.54	-196.16	-765.04	789.79	0.00	0.00	0.00	
4350.00	14.78	255.62	4253.24	-202.49	-789.75	815.30	0.00	0.00	0.00	
4450.00	14.78	255.62	4349.93	-208.83	-814.46	840.81	0.00	0.00	0.00	
4550.00	14.78	255.62	4446.62	-215.16	-839.17	866.32	0.00	0.00	0.00	
4650.00	14.78	255.62	4543.31	-221.50	-863.88	891.82	0.00	0.00	0.00	
4750.00	14.78	255.62	4640.00	-227.84	-888.59	917.33	0.00	0.00	0.00	
4850.00	14.78	255.62	4736.69	-234.17	-913.30	942.84	0.00	0.00	0.00	
4950.00	14.78	255.62	4833.39	-240.51	-938.01	968.35	0.00	0.00	0.00	
5050.00	14.78	255.62	4930.08	-246.84	-962.72	993.86	0.00	0.00	0.00	
5150.00	14.78	255.62	5026.77	-253.18	-987.43	1019.37	0.00	0.00	0.00	
5250.00	14.78	255.62	5123.46	-259.51	-1012.14	1044.88	0.00	0.00	0.00	
5350.00	14.78	255.62	5220.15	-265.85	-1036.84	1070.38	0.00	0.00	0.00	
5450.00	14.78	255.62	5316.85	-272.18	-1061.55	1095.89	0.00	0.00	0.00	
5550.00	14.78	255.62	5413.54	-278.52	-1086.26	1121.40	0.00	0.00	0.00	
5613.01	14.78	255.62	5474.46	-282.51	-1101.83	1137.47	0.00	0.00	0.00	DROP
5650.00	14.41	255.62	5510.26	-284.83	-1110.86	1146.79	1.00	-1.00	0.00	
5750.00	13.41	255.62	5607.33	-290.80	-1134.15	1170.83	1.00	-1.00	0.00	
5850.00	12.41	255.62	5704.80	-296.35	-1155.78	1193.17	1.00	-1.00	0.00	
5950.00	11.41	255.62	5802.64	-301.47	-1175.77	1213.81	1.00	-1.00	0.00	
6050.00	10.41	255.62	5900.84	-306.17	-1194.10	1232.73	1.00	-1.00	0.00	
6150.00	9.41	255.62	5999.34	-310.44	-1210.77	1249.94	1.00	-1.00	0.00	
6250.00	8.41	255.62	6098.13	-314.29	-1225.77	1265.43	1.00	-1.00	0.00	

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: BERRY 1-21D PAD Well: BERRY 1-33D Wellpath: 1	Date: 12/11/2007 Co-ordinate(NE) Reference: Well: BERRY 1-33D, True North Vertical (TVD) Reference: KB 8332.0 Section (VS) Reference: Well (0.00N,0.00E,255.62Azi) 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
6350.00	7.41	255.62	6197.18	-317.71	-1239.10	1279.18	1.00	-1.00	0.00	
6450.00	6.41	255.62	6296.46	-320.70	-1250.75	1291.21	1.00	-1.00	0.00	
6550.00	5.41	255.62	6395.92	-323.25	-1260.73	1301.51	1.00	-1.00	0.00	
6650.00	4.41	255.62	6495.55	-325.38	-1269.01	1310.06	1.00	-1.00	0.00	
6690.55	4.00	255.62	6536.00	-326.12	-1271.90	1313.04	1.00	-1.00	0.00	OHIO CREEK
6750.00	3.41	255.62	6595.32	-327.07	-1275.62	1316.88	1.00	-1.00	0.00	
6850.00	2.41	255.62	6695.19	-328.33	-1280.53	1321.96	1.00	-1.00	0.00	
6950.00	1.41	255.62	6795.13	-329.16	-1283.76	1325.29	1.00	-1.00	0.00	
6990.88	1.00	255.62	6836.00	-329.37	-1284.59	1326.15	1.00	-1.00	0.00	MESAVERDE
7050.00	0.41	255.62	6895.12	-329.55	-1285.30	1326.87	1.00	-1.00	0.00	
7090.88	0.00	255.62	6936.00	-329.59	-1285.44	1327.02	1.00	-1.00	0.00	APPROX TOP GAS
7150.00	0.00	255.62	6995.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7250.00	0.00	255.62	7095.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7350.00	0.00	255.62	7195.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7450.00	0.00	255.62	7295.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7550.00	0.00	255.62	7395.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7650.00	0.00	255.62	7495.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7750.00	0.00	255.62	7595.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7850.00	0.00	255.62	7695.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
7950.00	0.00	255.62	7795.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8050.00	0.00	255.62	7895.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8150.00	0.00	255.62	7995.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8250.00	0.00	255.62	8095.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8350.00	0.00	255.62	8195.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8450.00	0.00	255.62	8295.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8550.00	0.00	255.62	8395.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8650.00	0.00	255.62	8495.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8750.00	0.00	255.62	8595.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8850.00	0.00	255.62	8695.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
8950.00	0.00	255.62	8795.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9050.00	0.00	255.62	8895.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9150.00	0.00	255.62	8995.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9250.00	0.00	255.62	9095.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9350.00	0.00	255.62	9195.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9415.88	0.00	255.62	9261.00	-329.59	-1285.44	1327.02	0.00	0.00	0.00	CAMEO
9450.00	0.00	255.62	9295.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9550.00	0.00	255.62	9395.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9650.00	0.00	255.62	9495.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9750.00	0.00	255.62	9595.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9850.00	0.00	255.62	9695.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9890.88	0.00	255.62	9736.00	-329.59	-1285.44	1327.02	0.00	0.00	0.00	ROLLINS SS
9950.00	0.00	255.62	9795.12	-329.59	-1285.44	1327.02	0.00	0.00	0.00	
9990.88	0.00	255.62	9836.00	-329.59	-1285.44	1327.02	0.00	0.00	0.00	PBHL 1-33D

Annotation

MD ft	TVD ft	
250.00	250.00	NUDGE
750.00	749.37	HOLD
1250.00	1247.46	KOP
1738.93	1728.54	HOLD
5613.01	5474.46	DROP
7090.88	6936.00	HOLD

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: BERRY 1-21D PAD Well: BERRY 1-33D Wellpath: 1	Date: 12/11/2007 Time: 14:26:06 Page: 4 Co-ordinate(NE) Reference: Well: BERRY 1-33D, True North Vertical (TVD) Reference: KB 8332.0 Section (VS) Reference: Well (0.00N,0.00E,255.62Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
---	---

Annotation

MD ft	TVD ft	
9990.88	9836.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
PBHL 1-33D -Rectangle (100x200) -Plan hit target			9836.00	-329.59	-1285.44	1638183.46	2245629.52	39	33	18.320 N	108	10	32.956 W

Weatherford International, Ltd.

Anticollision Report

Company:	BERRY PETROLEUM COMPANY	Date:	5/25/2007	Time:	11:43:29	Page:	1
Field:	GARFIELD COUNTY (NAD 83)	Co-ordinate(NE) Reference:	Well: BERRY 1-33D, True North				
Reference Site:	BERRY 1-21D PAD	Vertical (TVD) Reference:	KB 8332.0				
Reference Well:	BERRY 1-33D						
Reference Wellpath:	1	Db: Sybase					

NO GLOBAL SCAN: Using user defined selection & scan criteria				Reference:	Plan: Plan #1
Interpolation Method:	MD	Interval:	100.00 ft	Error Model:	ISCWSA Ellipse
Depth Range:	0.00 to	10667.13 ft		Scan Method:	Closest Approach 3D
Maximum Radius:	10000.00 ft			Error Surface:	Ellipse

Plan: Plan #1	Date Composed:	5/24/2007
Principal: Yes	Version:	1
	Tied-to:	From Surface

Summary

<----- Offset Wellpath ----->										
Site	Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning		
BERRY 1-21D PAD	BERRY 1-32D	1 V0 Plan: Plan #1 V1	1200.00	1198.64	22.10	16.67	4.07			
BERRY 1-21D PAD	BERRY 1-34D	1 V0 Plan: Plan #1 V1	1500.00	1502.83	32.06	24.65	4.33			

Site: BERRY 1-21D PAD
Well: BERRY 1-32D
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 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	229.33	-9.70	-11.30	14.89			No Data
100.00	100.00	100.00	100.00	0.09	0.09	229.33	-9.70	-11.30	14.89	14.71	83.87	
200.00	200.00	200.00	200.00	0.31	0.31	229.33	-9.70	-11.30	14.89	14.26	23.75	
300.00	300.00	299.87	299.87	0.54	0.54	333.56	-9.80	-11.49	14.91	13.83	13.85	
400.00	399.98	399.62	399.61	0.76	0.76	332.34	-10.55	-13.06	15.03	13.50	9.84	
500.00	499.92	499.37	499.29	0.99	0.99	329.96	-12.05	-16.19	15.29	13.31	7.73	
600.00	599.78	599.11	598.90	1.23	1.23	326.55	-14.30	-20.88	15.73	13.30	6.47	
700.00	699.54	698.85	698.39	1.48	1.48	322.31	-17.30	-27.14	16.39	13.50	5.66	
800.00	799.18	798.70	797.88	1.74	1.74	317.64	-20.97	-34.78	17.33	13.95	5.13	
900.00	898.79	898.69	897.49	2.01	2.01	313.37	-24.74	-42.64	18.40	14.53	4.75	
1000.00	998.41	998.67	997.09	2.28	2.28	309.60	-28.51	-50.50	19.56	15.18	4.46	
1100.00	1098.03	1098.66	1096.70	2.55	2.55	306.26	-32.28	-58.35	20.80	15.90	4.24	
1200.00	1197.65	1198.64	1196.30	2.82	2.82	303.30	-36.05	-66.21	22.10	16.67	4.07	
1300.00	1297.23	1298.07	1295.18	3.10	3.11	302.78	-40.52	-75.53	24.38	18.42	4.09	
1400.00	1396.48	1397.40	1393.55	3.40	3.43	302.24	-46.46	-87.92	27.41	20.88	4.20	
1500.00	1495.25	1496.65	1491.31	3.75	3.79	301.04	-53.87	-103.37	30.96	23.81	4.33	
1600.00	1593.40	1595.81	1588.32	4.13	4.19	299.44	-62.73	-121.84	35.06	27.20	4.46	
1700.00	1690.84	1694.87	1684.48	4.56	4.64	297.63	-73.03	-143.31	39.72	31.06	4.59	
1800.00	1787.59	1794.31	1780.24	5.04	5.14	295.96	-84.61	-167.45	44.97	35.41	4.71	
1900.00	1884.29	1894.16	1876.29	5.53	5.67	294.71	-96.40	-192.04	50.36	39.87	4.80	
2000.00	1980.98	1994.00	1972.34	6.03	6.20	293.69	-108.20	-216.63	55.78	44.33	4.87	
2100.00	2077.67	2093.85	2068.39	6.54	6.74	292.86	-119.99	-241.22	61.21	48.78	4.92	
2200.00	2174.36	2193.70	2164.45	7.05	7.28	292.16	-131.79	-265.81	66.65	53.23	4.96	
2300.00	2271.05	2293.55	2260.50	7.57	7.84	291.57	-143.58	-290.40	72.10	57.67	5.00	
2400.00	2367.74	2393.40	2356.55	8.10	8.39	291.06	-155.37	-314.98	77.56	62.11	5.02	
2500.00	2464.44	2493.25	2452.60	8.62	8.95	290.61	-167.17	-339.57	83.02	66.56	5.04	
2600.00	2561.13	2593.10	2548.66	9.15	9.51	290.23	-178.96	-364.16	88.49	70.99	5.06	
2700.00	2657.82	2692.95	2644.71	9.69	10.07	289.88	-190.76	-388.75	93.96	75.43	5.07	
2800.00	2754.51	2792.79	2740.76	10.22	10.64	289.58	-202.55	-413.34	99.44	79.87	5.08	
2900.00	2851.20	2892.64	2836.81	10.75	11.21	289.31	-214.35	-437.93	104.91	84.30	5.09	
3000.00	2947.90	2992.49	2932.87	11.29	11.77	289.06	-226.14	-462.52	110.39	88.74	5.10	
3100.00	3044.59	3092.34	3028.92	11.83	12.34	288.84	-237.94	-487.11	115.87	93.17	5.11	
3200.00	3141.28	3192.19	3124.97	12.37	12.91	288.63	-249.73	-511.70	121.35	97.61	5.11	
3300.00	3237.97	3292.04	3221.02	12.90	13.49	288.45	-261.52	-536.29	126.83	102.04	5.12	
3400.00	3334.66	3391.89	3317.07	13.44	14.06	288.28	-273.32	-560.87	132.32	106.47	5.12	
3500.00	3431.35	3491.74	3413.13	13.98	14.63	288.12	-285.11	-585.46	137.80	110.90	5.12	

Weatherford International, Ltd.

Anticollision Report

Company:	BERRY PETROLEUM COMPANY	Date: 5/25/2007	Time: 11:43:29	Page: 2
Field:	GARFIELD COUNTY (NAD 83)			
Reference Site:	BERRY 1-21D PAD	Co-ordinate(NE) Reference:	Well: BERRY 1-33D, True North	
Reference Well:	BERRY 1-33D	Vertical (TVD) Reference:	KB 8332.0	
Reference Wellpath:	1	Db: Sybase		

Site: BERRY 1-21D PAD
Well: BERRY 1-32D
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		
3600.00	3528.05	3591.58	3509.18	14.53	15.20	287.98	-296.91	-610.05	143.29	115.33	5.13	
3700.00	3624.74	3691.43	3605.23	15.07	15.78	287.85	-308.70	-634.64	148.78	119.76	5.13	
3800.00	3721.43	3791.28	3701.28	15.61	16.35	287.72	-320.50	-659.23	154.26	124.19	5.13	
3900.00	3818.12	3891.13	3797.34	16.15	16.93	287.61	-332.29	-683.82	159.75	128.62	5.13	
4000.00	3914.81	3990.98	3893.39	16.70	17.50	287.50	-344.08	-708.41	165.24	133.05	5.13	
4100.00	4011.51	4090.83	3989.44	17.24	18.08	287.40	-355.88	-733.00	170.73	137.48	5.13	
4200.00	4108.20	4190.68	4085.49	17.78	18.65	287.30	-367.67	-757.59	176.22	141.91	5.14	
4300.00	4204.89	4290.53	4181.55	18.33	19.23	287.21	-379.47	-782.18	181.71	146.34	5.14	
4400.00	4301.58	4390.37	4277.60	18.87	19.80	287.13	-391.26	-806.76	187.20	150.77	5.14	
4500.00	4398.27	4490.22	4373.65	19.42	20.38	287.05	-403.06	-831.35	192.69	155.20	5.14	
4600.00	4494.96	4590.07	4469.70	19.96	20.96	286.98	-414.85	-855.94	198.19	159.63	5.14	
4700.00	4591.66	4689.92	4565.76	20.50	21.53	286.91	-426.65	-880.53	203.68	164.05	5.14	
4800.00	4688.35	4789.77	4661.81	21.05	22.11	286.84	-438.44	-905.12	209.17	168.48	5.14	
4900.00	4785.04	4889.62	4757.86	21.60	22.69	286.77	-450.23	-929.71	214.66	172.91	5.14	
5000.00	4881.73	4989.47	4853.91	22.14	23.27	286.71	-462.03	-954.30	220.16	177.34	5.14	
5100.00	4978.42	5089.32	4949.96	22.69	23.84	286.66	-473.82	-978.89	225.65	181.77	5.14	
5200.00	5075.12	5189.16	5046.02	23.23	24.42	286.60	-485.62	-1003.48	231.14	186.19	5.14	
5300.00	5171.81	5289.01	5142.07	23.78	25.00	286.55	-497.41	-1028.07	236.63	190.62	5.14	
5400.00	5268.50	5388.86	5238.12	24.32	25.58	286.50	-509.21	-1052.65	242.13	195.05	5.14	
5500.00	5365.19	5488.71	5334.17	24.87	26.16	286.45	-521.00	-1077.24	247.62	199.48	5.14	
5600.00	5461.88	5589.83	5431.54	25.42	26.69	286.34	-532.80	-1101.85	252.96	203.77	5.14	
5700.00	5558.74	5691.77	5530.14	25.89	27.11	286.00	-544.00	-1125.19	257.74	207.61	5.14	
5800.00	5656.01	5793.75	5629.21	26.27	27.50	285.68	-554.44	-1146.96	262.20	211.26	5.15	
5900.00	5753.68	5895.75	5728.73	26.63	27.87	285.40	-564.12	-1167.14	266.33	214.63	5.15	
6000.00	5851.70	5997.79	5828.67	26.97	28.22	285.15	-573.03	-1185.72	270.14	217.72	5.15	
6100.00	5950.05	6099.86	5928.98	27.28	28.55	284.92	-581.18	-1202.70	273.63	220.53	5.15	
6200.00	6048.70	6201.95	6029.63	27.58	28.86	284.72	-588.55	-1218.07	276.79	223.06	5.15	
6300.00	6147.63	6304.06	6130.60	27.85	29.14	284.55	-595.15	-1231.82	279.61	225.31	5.15	
6400.00	6246.79	6406.19	6231.84	28.10	29.40	284.40	-600.97	-1243.96	282.11	227.28	5.15	
6500.00	6346.17	6508.34	6333.32	28.33	29.63	284.27	-606.01	-1254.46	284.27	228.96	5.14	
6600.00	6445.72	6610.50	6435.01	28.54	29.84	284.16	-610.26	-1263.33	286.10	230.35	5.13	
6700.00	6545.42	6712.68	6536.86	28.72	30.03	284.07	-613.73	-1270.57	287.59	231.45	5.12	
6800.00	6645.24	6814.86	6638.86	28.89	30.20	284.01	-616.42	-1276.17	288.74	232.27	5.11	
6900.00	6745.15	6917.06	6740.96	29.03	30.34	283.96	-618.32	-1280.13	289.56	232.79	5.10	
7000.00	6845.12	7019.26	6843.12	29.15	30.46	283.93	-619.43	-1282.44	290.03	233.02	5.09	
7100.00	6945.12	7121.26	6945.12	29.25	30.56	179.54	-619.75	-1283.12	290.17	255.06	8.26	
7200.00	7045.12	7221.26	7045.12	29.37	30.66	179.54	-619.75	-1283.12	290.17	254.70	8.18	
7300.00	7145.12	7321.26	7145.12	29.48	30.78	179.54	-619.75	-1283.12	290.17	254.33	8.10	
7400.00	7245.12	7421.26	7245.12	29.60	30.89	179.54	-619.75	-1283.12	290.17	253.97	8.01	
7500.00	7345.12	7521.26	7345.12	29.72	31.00	179.54	-619.75	-1283.12	290.17	253.59	7.93	
7600.00	7445.12	7621.26	7445.12	29.84	31.12	179.54	-619.75	-1283.12	290.17	253.22	7.85	
7700.00	7545.12	7721.26	7545.12	29.96	31.23	179.54	-619.75	-1283.12	290.17	252.85	7.77	
7800.00	7645.12	7821.26	7645.12	30.08	31.35	179.54	-619.75	-1283.12	290.17	252.47	7.70	
7900.00	7745.12	7921.26	7745.12	30.21	31.47	179.54	-619.75	-1283.12	290.17	252.09	7.62	
8000.00	7845.12	8021.26	7845.12	30.33	31.59	179.54	-619.75	-1283.12	290.17	251.71	7.55	
8100.00	7945.12	8121.26	7945.12	30.46	31.71	179.54	-619.75	-1283.12	290.17	251.33	7.47	
8200.00	8045.12	8221.26	8045.12	30.59	31.84	179.54	-619.75	-1283.12	290.17	250.95	7.40	
8300.00	8145.12	8321.26	8145.12	30.71	31.96	179.54	-619.75	-1283.12	290.17	250.57	7.33	
8400.00	8245.12	8421.26	8245.12	30.84	32.08	179.54	-619.75	-1283.12	290.17	250.18	7.26	
8500.00	8345.12	8521.26	8345.12	30.97	32.21	179.54	-619.75	-1283.12	290.17	249.80	7.19	
8600.00	8445.12	8621.26	8445.12	31.11	32.34	179.54	-619.75	-1283.12	290.17	249.41	7.12	

Weatherford International, Ltd.

Anticollision Report

Company:	BERRY PETROLEUM COMPANY	Date: 5/25/2007	Time: 11:43:29	Page: 3
Field:	GARFIELD COUNTY (NAD 83)			
Reference Site:	BERRY 1-21D PAD	Co-ordinate(NE) Reference:	Well: BERRY 1-33D, True North	
Reference Well:	BERRY 1-33D	Vertical (TVD) Reference:	KB 8332.0	
Reference Wellpath:	1	Db: Sybase		

Site: BERRY 1-21D PAD
Well: BERRY 1-32D
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		
8700.00	8545.12	8721.26	8545.12	31.24	32.46	179.54	-619.75	-1283.12	290.17	249.02	7.05	
8800.00	8645.12	8821.26	8645.12	31.37	32.59	179.54	-619.75	-1283.12	290.17	248.63	6.98	
8900.00	8745.12	8921.26	8745.12	31.51	32.72	179.54	-619.75	-1283.12	290.17	248.24	6.92	
9000.00	8845.12	9021.26	8845.12	31.64	32.85	179.54	-619.75	-1283.12	290.17	247.85	6.86	
9100.00	8945.12	9121.26	8945.12	31.78	32.99	179.54	-619.75	-1283.12	290.17	247.45	6.79	
9200.00	9045.12	9221.26	9045.12	31.92	33.12	179.54	-619.75	-1283.12	290.17	247.06	6.73	
9300.00	9145.12	9321.26	9145.12	32.06	33.25	179.54	-619.75	-1283.12	290.17	246.66	6.67	
9400.00	9245.12	9421.26	9245.12	32.20	33.39	179.54	-619.75	-1283.12	290.17	246.27	6.61	
9500.00	9345.12	9521.26	9345.12	32.34	33.52	179.54	-619.75	-1283.12	290.17	245.87	6.55	
9600.00	9445.12	9621.26	9445.12	32.48	33.66	179.54	-619.75	-1283.12	290.17	245.47	6.49	
9700.00	9545.12	9721.26	9545.12	32.62	33.80	179.54	-619.75	-1283.12	290.17	245.07	6.43	
9800.00	9645.12	9821.26	9645.12	32.76	33.94	179.54	-619.75	-1283.12	290.17	244.67	6.38	
9900.00	9745.12	9921.26	9745.12	32.91	34.08	179.54	-619.75	-1283.12	290.17	244.27	6.32	

Site: BERRY 1-21D PAD
Well: BERRY 1-34D
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	49.33	9.70	11.30	14.89			No Data
100.00	100.00	100.00	100.00	0.09	0.09	49.33	9.70	11.30	14.89	14.71	83.87	
200.00	200.00	200.00	200.00	0.31	0.31	49.33	9.70	11.30	14.89	14.26	23.75	
300.00	300.00	300.10	300.10	0.54	0.54	153.55	9.70	11.08	14.92	13.84	13.85	
400.00	399.98	400.30	400.28	0.76	0.77	152.28	9.66	9.32	15.14	13.61	9.91	
500.00	499.92	500.50	500.42	0.99	1.00	149.85	9.58	5.82	15.59	13.61	7.87	
600.00	599.78	600.59	600.38	1.23	1.23	147.03	9.46	0.80	16.48	14.04	6.76	
700.00	699.54	700.56	700.22	1.48	1.47	147.11	9.34	-4.43	18.70	15.80	6.45	
800.00	799.18	800.50	800.02	1.74	1.71	149.32	9.22	-9.66	22.22	18.85	6.60	
900.00	898.79	900.42	899.81	2.01	1.95	151.16	9.10	-14.89	25.95	22.12	6.77	
1000.00	998.41	1000.35	999.60	2.28	2.20	152.53	8.98	-20.12	29.70	25.41	6.91	
1100.00	1098.03	1101.15	1100.14	2.55	2.45	151.59	8.81	-27.17	32.12	27.34	6.72	
1200.00	1197.65	1201.93	1200.36	2.82	2.73	146.51	8.56	-37.76	32.03	26.74	6.05	
1300.00	1297.23	1302.46	1299.90	3.10	3.04	136.77	8.24	-51.82	30.44	24.55	5.17	
1400.00	1396.48	1402.76	1398.65	3.40	3.38	124.88	7.83	-69.32	30.23	23.64	4.59	
1500.00	1495.25	1502.83	1496.51	3.75	3.77	112.89	7.34	-90.22	32.06	24.65	4.33	
1600.00	1593.40	1602.66	1593.48	4.13	4.21	103.31	6.79	-113.92	35.87	27.58	4.33	
1700.00	1690.84	1702.51	1690.39	4.56	4.66	100.08	6.23	-137.95	40.99	31.81	4.46	
1800.00	1787.59	1802.34	1787.29	5.04	5.13	101.07	5.67	-161.98	46.67	36.55	4.61	
1900.00	1884.29	1902.17	1884.18	5.53	5.61	102.16	5.11	-186.01	52.41	41.35	4.74	
2000.00	1980.98	2002.00	1981.08	6.03	6.09	103.04	4.55	-210.04	58.17	46.14	4.84	
2100.00	2077.67	2101.83	2077.97	6.54	6.58	103.76	3.99	-234.06	63.94	50.94	4.92	
2200.00	2174.36	2201.66	2174.87	7.05	7.07	104.35	3.43	-258.09	69.72	55.73	4.99	
2300.00	2271.05	2301.49	2271.76	7.57	7.57	104.86	2.87	-282.12	75.50	60.53	5.04	
2400.00	2367.74	2401.32	2368.65	8.10	8.07	105.30	2.31	-306.15	81.29	65.32	5.09	
2500.00	2464.44	2501.15	2465.55	8.62	8.57	105.67	1.75	-330.17	87.08	70.11	5.13	
2600.00	2561.13	2600.98	2562.44	9.15	9.07	106.00	1.20	-354.20	92.88	74.90	5.17	
2700.00	2657.82	2700.81	2659.34	9.69	9.58	106.29	0.64	-378.23	98.68	79.69	5.20	
2800.00	2754.51	2800.65	2756.23	10.22	10.09	106.55	0.08	-402.26	104.48	84.49	5.23	
2900.00	2851.20	2900.48	2853.12	10.75	10.60	106.79	-0.48	-426.28	110.28	89.28	5.25	
3000.00	2947.90	3000.31	2950.02	11.29	11.10	106.99	-1.04	-450.31	116.09	94.07	5.27	
3100.00	3044.59	3100.14	3046.91	11.83	11.61	107.18	-1.60	-474.34	121.89	98.86	5.29	

Weatherford International, Ltd.

Anticollision Report

Company:	BERRY PETROLEUM COMPANY	Date: 5/25/2007	Time: 11:43:29	Page: 4
Field:	GARFIELD COUNTY (NAD 83)			
Reference Site:	BERRY 1-21D PAD	Co-ordinate(NE) Reference:	Well: BERRY 1-33D, True North	
Reference Well:	BERRY 1-33D	Vertical (TVD) Reference:	KB 8332.0	
Reference Wellpath: 1			Db: Sybase	

Site: BERRY 1-21D PAD
Well: BERRY 1-34D
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	3141.28	3199.97	3143.81	12.37	12.13	107.35	-2.16	-498.37	127.70	103.64	5.31	
3300.00	3237.97	3299.80	3240.70	12.90	12.64	107.51	-2.72	-522.39	133.51	108.43	5.32	
3400.00	3334.66	3399.63	3337.60	13.44	13.15	107.65	-3.28	-546.42	139.32	113.22	5.34	
3500.00	3431.35	3499.46	3434.49	13.98	13.66	107.79	-3.84	-570.45	145.13	118.01	5.35	
3600.00	3528.05	3599.29	3531.38	14.53	14.18	107.91	-4.40	-594.48	150.94	122.80	5.36	
3700.00	3624.74	3699.12	3628.28	15.07	14.69	108.02	-4.96	-618.51	156.75	127.59	5.37	
3800.00	3721.43	3798.95	3725.17	15.61	15.20	108.13	-5.52	-642.53	162.57	132.37	5.38	
3900.00	3818.12	3898.78	3822.07	16.15	15.72	108.22	-6.08	-666.56	168.38	137.16	5.39	
4000.00	3914.81	3998.61	3918.96	16.70	16.23	108.31	-6.64	-690.59	174.19	141.95	5.40	
4100.00	4011.51	4098.44	4015.86	17.24	16.75	108.40	-7.20	-714.62	180.00	146.74	5.41	
4200.00	4108.20	4198.27	4112.75	17.78	17.27	108.48	-7.76	-738.64	185.82	151.52	5.42	
4300.00	4204.89	4298.10	4209.64	18.33	17.78	108.55	-8.32	-762.67	191.63	156.31	5.43	
4400.00	4301.58	4397.93	4306.54	18.87	18.30	108.63	-8.88	-786.70	197.45	161.10	5.43	
4500.00	4398.27	4497.76	4403.43	19.42	18.81	108.69	-9.44	-810.73	203.26	165.88	5.44	
4600.00	4494.96	4597.59	4500.33	19.96	19.33	108.75	-10.00	-834.75	209.08	170.67	5.44	
4700.00	4591.66	4697.42	4597.22	20.50	19.85	108.81	-10.56	-858.78	214.89	175.46	5.45	
4800.00	4688.35	4797.26	4694.12	21.05	20.36	108.87	-11.12	-882.81	220.71	180.24	5.45	
4900.00	4785.04	4897.09	4791.01	21.60	20.88	108.92	-11.68	-906.84	226.52	185.03	5.46	
5000.00	4881.73	4996.92	4887.90	22.14	21.40	108.97	-12.24	-930.87	232.34	189.82	5.46	
5100.00	4978.42	5096.75	4984.80	22.69	21.91	109.02	-12.80	-954.89	238.16	194.60	5.47	
5200.00	5075.12	5196.58	5081.69	23.23	22.43	109.07	-13.35	-978.92	243.97	199.39	5.47	
5300.00	5171.81	5296.41	5178.59	23.78	22.95	109.11	-13.91	-1002.95	249.79	204.18	5.48	
5400.00	5268.50	5396.24	5275.48	24.32	23.47	109.15	-14.47	-1026.98	255.61	208.96	5.48	
5500.00	5365.19	5496.07	5372.37	24.87	23.98	109.19	-15.03	-1051.00	261.42	213.75	5.48	
5600.00	5461.88	5595.90	5469.27	25.42	24.50	109.23	-15.59	-1075.03	267.24	218.54	5.49	
5700.00	5558.74	5695.69	5566.12	25.89	25.01	109.19	-16.15	-1099.04	272.84	223.16	5.49	
5800.00	5656.01	5795.02	5662.77	26.27	25.39	109.02	-16.69	-1121.95	277.99	227.54	5.51	
5900.00	5753.68	5894.38	5759.83	26.63	25.75	108.87	-17.18	-1143.18	282.77	231.58	5.52	
6000.00	5851.70	5993.76	5857.27	26.97	26.08	108.74	-17.64	-1162.73	287.17	235.29	5.54	
6100.00	5950.05	6093.16	5955.06	27.28	26.40	108.63	-18.05	-1180.59	291.19	238.67	5.54	
6200.00	6048.70	6192.59	6053.16	27.58	26.69	108.52	-18.43	-1196.76	294.83	241.71	5.55	
6300.00	6147.63	6292.04	6151.55	27.85	26.96	108.44	-18.77	-1211.23	298.08	244.41	5.55	
6400.00	6246.79	6391.50	6250.19	28.10	27.22	108.36	-19.06	-1223.98	300.96	246.77	5.55	
6500.00	6346.17	6490.98	6349.05	28.33	27.44	108.30	-19.32	-1235.03	303.44	248.79	5.55	
6600.00	6445.72	6590.47	6448.10	28.54	27.65	108.24	-19.54	-1244.36	305.55	250.47	5.55	
6700.00	6545.42	6689.97	6547.31	28.72	27.84	108.20	-19.71	-1251.97	307.26	251.81	5.54	
6800.00	6645.24	6789.48	6646.64	28.89	28.00	108.17	-19.85	-1257.86	308.58	252.80	5.53	
6900.00	6745.15	6889.00	6746.07	29.03	28.15	108.14	-19.95	-1262.02	309.52	253.45	5.52	
7000.00	6845.12	6988.52	6845.56	29.15	28.27	108.13	-20.01	-1264.45	310.07	253.75	5.51	
7100.00	6945.12	7088.08	6945.12	29.25	28.38	3.75	-20.02	-1265.17	310.23	275.34	8.89	
7200.00	7045.12	7188.08	7045.12	29.37	28.49	3.75	-20.02	-1265.17	310.23	274.97	8.80	
7300.00	7145.12	7288.08	7145.12	29.48	28.61	3.75	-20.02	-1265.17	310.23	274.60	8.71	
7400.00	7245.12	7388.08	7245.12	29.60	28.73	3.75	-20.02	-1265.17	310.23	274.22	8.62	
7500.00	7345.12	7488.08	7345.12	29.72	28.85	3.75	-20.02	-1265.17	310.23	273.85	8.53	
7600.00	7445.12	7588.08	7445.12	29.84	28.98	3.75	-20.02	-1265.17	310.23	273.47	8.44	
7700.00	7545.12	7688.08	7545.12	29.96	29.10	3.75	-20.02	-1265.17	310.23	273.09	8.35	
7800.00	7645.12	7788.08	7645.12	30.08	29.23	3.75	-20.02	-1265.17	310.23	272.71	8.27	
7900.00	7745.12	7888.08	7745.12	30.21	29.35	3.75	-20.02	-1265.17	310.23	272.33	8.18	
8000.00	7845.12	7988.08	7845.12	30.33	29.48	3.75	-20.02	-1265.17	310.23	271.94	8.10	
8100.00	7945.12	8088.08	7945.12	30.46	29.61	3.75	-20.02	-1265.17	310.23	271.56	8.02	
8200.00	8045.12	8188.08	8045.12	30.59	29.74	3.75	-20.02	-1265.17	310.23	271.17	7.94	

Weatherford International, Ltd.

Anticollision Report

Company: BERRY PETROLEUM COMPANY	Date: 5/25/2007	Time: 11:43:29	Page: 5
Field: GARFIELD COUNTY (NAD 83)			
Reference Site: BERRY 1-21D PAD	Co-ordinate(NE) Reference: Well: BERRY 1-33D, True North		
Reference Well: BERRY 1-33D	Vertical (TVD) Reference: KB 8332.0		
Reference Wellpath: 1	Db: Sybase		

Site: BERRY 1-21D PAD
Well: BERRY 1-34D
Wellpath: 1 V0 Plan: Plan #1 V1

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				
8300.00	8145.12	8288.08	8145.12	30.71	29.87	3.75	-20.02	-1265.17	310.23	270.78	7.86	
8400.00	8245.12	8388.08	8245.12	30.84	30.00	3.75	-20.02	-1265.17	310.23	270.39	7.79	
8500.00	8345.12	8488.08	8345.12	30.97	30.14	3.75	-20.02	-1265.17	310.23	270.00	7.71	
8600.00	8445.12	8588.08	8445.12	31.11	30.27	3.75	-20.02	-1265.17	310.23	269.61	7.64	
8700.00	8545.12	8688.08	8545.12	31.24	30.40	3.75	-20.02	-1265.17	310.23	269.22	7.56	
8800.00	8645.12	8788.08	8645.12	31.37	30.54	3.75	-20.02	-1265.17	310.23	268.82	7.49	
8900.00	8745.12	8888.08	8745.12	31.51	30.68	3.75	-20.02	-1265.17	310.23	268.43	7.42	
9000.00	8845.12	8988.08	8845.12	31.64	30.82	3.75	-20.02	-1265.17	310.23	268.03	7.35	
9100.00	8945.12	9088.08	8945.12	31.78	30.96	3.75	-20.02	-1265.17	310.23	267.63	7.28	
9200.00	9045.12	9188.08	9045.12	31.92	31.10	3.75	-20.02	-1265.17	310.23	267.23	7.22	
9300.00	9145.12	9288.08	9145.12	32.06	31.24	3.75	-20.02	-1265.17	310.23	266.83	7.15	
9400.00	9245.12	9388.08	9245.12	32.20	31.38	3.75	-20.02	-1265.17	310.23	266.43	7.08	
9500.00	9345.12	9488.08	9345.12	32.34	31.53	3.75	-20.02	-1265.17	310.23	266.03	7.02	
9600.00	9445.12	9588.08	9445.12	32.48	31.67	3.75	-20.02	-1265.17	310.23	265.63	6.96	
9700.00	9545.12	9688.08	9545.12	32.62	31.82	3.75	-20.02	-1265.17	310.23	265.23	6.89	
9800.00	9645.12	9788.08	9645.12	32.76	31.96	3.75	-20.02	-1265.17	310.23	264.82	6.83	
9900.00	9745.12	9888.08	9745.12	32.91	32.11	3.75	-20.02	-1265.17	310.23	264.42	6.77	