



Weatherford®

Drilling Services

Proposal

BERRY PETROLEUM CO.

SCHOOL HOUSE POINT OM12C M15 692

GARFIELD COUNTY, COLORADO

WELL FILE: **PLAN # 1**

AUGUST 16, 2007

Weatherford International Ltd.

2690 Oil Drive
Casper Wyoming 82604 USA
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Berry Petroleum Company

SCHOOL HOUSE POINT OM12C M15 696
1767' FSL, 1258' FWL
SECTION 15-T6S-R96W
GARFIELD COUNTY, CO

SITE DETAILS

SCHOOL HOUSE POINT M15 PAD
SECTION 15-T6S-R96W

Site Centre Latitude: 39°31'14.760N
Longitude: 108°06'00.640W

Ground Level: 8391.00
Positional Uncertainty: 0.00
Convergence: -1.64

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

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|----------|------|--------|----------|---------|---------|------|--------|--------|------------|
| 1 | 0.00 | 0.00 | 259.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 480.00 | 0.00 | 259.78 | 480.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 929.89 | 9.00 | 259.78 | 928.05 | -6.25 | -34.69 | 2.00 | 259.78 | 35.25 | |
| 4 | 6282.62 | 9.00 | 259.78 | 6214.91 | -154.73 | -858.58 | 0.00 | 0.00 | 872.41 | |
| 5 | 7182.41 | 0.00 | 259.78 | 7111.00 | -167.23 | -927.97 | 1.00 | 180.00 | 942.92 | |
| 6 | 10172.41 | 0.00 | 259.78 | 10101.00 | -167.23 | -927.97 | 0.00 | 259.78 | 942.92 | PBHL_OM12C |

WELL DETAILS

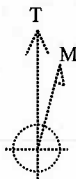
| Name | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|---------------|--------|--------|------------|------------|---------------|----------------|------|
| OM12C M15 696 | -78.00 | -15.98 | 1624990.10 | 2266573.27 | 39°31'13.989N | 108°06'00.844W | N/A |

TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Shape |
|------|----------|---------|---------|------------|------------|---------------------|
| PBHL | 10629.00 | -147.00 | -731.72 | 1632657.89 | 2268634.60 | Rectangle (100x200) |

FORMATION TOP DETAILS

| No. | TVDPath | MDPath | Formation |
|-----|---------|----------|----------------|
| 1 | 173.00 | 173.00 | GREEN RIVER |
| 2 | 2453.00 | 2473.85 | WASATCH |
| 3 | 5018.00 | 5070.80 | FORT UNION |
| 4 | 6628.00 | 6698.84 | OHIO CREEK |
| 5 | 7111.00 | 7182.41 | APPROX TOP GAS |
| 6 | 9451.00 | 9522.41 | CAMEO |
| 7 | 9951.00 | 10022.41 | ROLLINS SS |

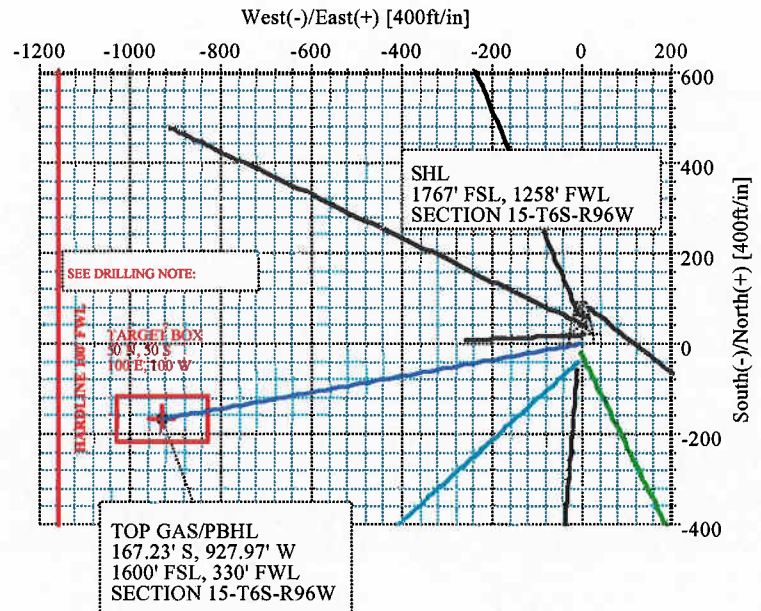
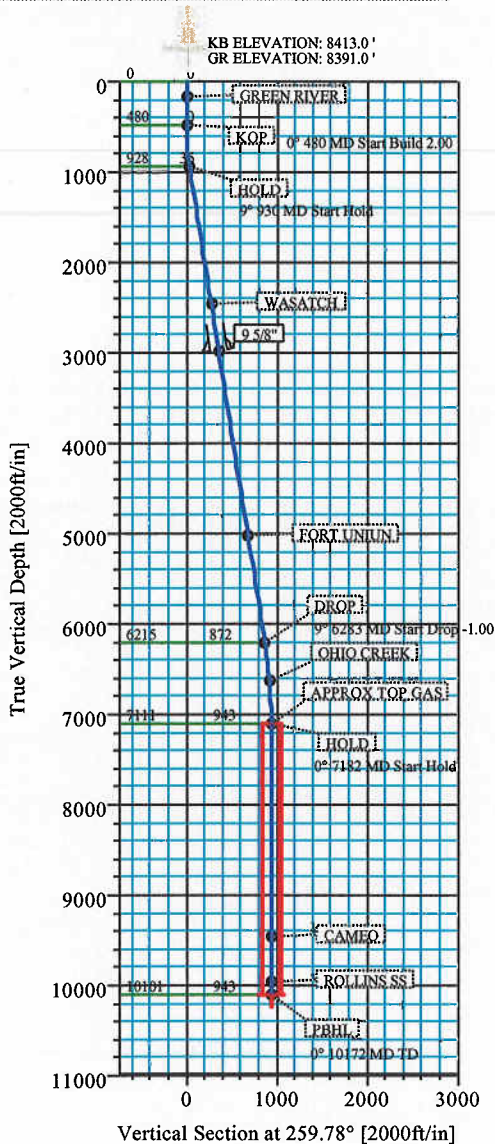


Azimuths to True North
Magnetic North: 10.93°

Magnetic Field
Strength: 52691nT
Dip Angle: 65.88°
Date: 8/15/2007
Model: bggm2006

TOTAL CORRECTION TO TRUE NORTH 10.93°

-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 (OM12C M15 696/1)

Created By: ROBERT SCOTT

Date: 8/16/2007

Weatherford International, Ltd.

PLAN REPORT

| | |
|--|---|
| Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Site: SCHOOL HOUSE POINT M15 PAD Well: OM12C M15 696 Wellpath: 1 | Date: 8/15/2007 Co-ordinate(NE) Reference: Well: OM12C M15 696, True North Vertical (TVD) Reference: SITE 8413.0 Section (VS) Reference: Well (0.00N,0.00E,259.78Azi) 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: SCHOOL HOUSE POINT M15 PAD
SECTION 15-T6S-R96W

| | | |
|--------------------------------------|--------------------------------|------------------------------------|
| Site Position: | Northing: 1625067.62 ft | Latitude: 39 31 14.760 N |
| From: Geographic | Easting: 2266591.48 ft | Longitude: 108 6 0.640 W |
| Position Uncertainty: 0.00 ft | | North Reference: True |
| Ground Level: 8391.00 ft | | Grid Convergence: -1.64 deg |

| | |
|--|---|
| Well: OM12C M15 696 1767' FSL, 1258' FWL Well Position: +N/-S -78.00 ft +E/-W -15.98 ft Position Uncertainty: 0.00 ft | Slot Name: Latitude: 39 31 13.989 N Longitude: 108 6 0.844 W |
|--|---|

| | |
|--|--|
| Wellpath: 1 Current Datum: SITE Magnetic Data: 8/15/2007 Field Strength: 52691 nT Vertical Section: Depth From (TVD) ft | Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 10.93 deg Mag Dip Angle: 65.88 deg +E/-W Direction deg 0.00 0.00 0.00 259.78 |
|--|--|

| | |
|---|--|
| Plan: Plan #1 Principal: Yes | Date Composed: 8/15/2007 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 | 259.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 480.00 | 0.00 | 259.78 | 480.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 929.89 | 9.00 | 259.78 | 928.05 | -6.25 | -34.69 | 2.00 | 2.00 | 0.00 | 259.78 | |
| 6282.62 | 9.00 | 259.78 | 6214.91 | -154.73 | -858.58 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7182.41 | 0.00 | 259.78 | 7111.00 | -167.23 | -927.97 | 1.00 | -1.00 | 0.00 | 180.00 | |
| 10172.41 | 0.00 | 259.78 | 10101.00 | -167.23 | -927.97 | 0.00 | 0.00 | 0.00 | 259.78 | PBHL_OM12C |

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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|---------|
| 480.00 | 0.00 | 259.78 | 480.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | KOP |
| 580.00 | 2.00 | 259.78 | 579.98 | -0.31 | -1.72 | 1.75 | 2.00 | 2.00 | 0.00 | |
| 680.00 | 4.00 | 259.78 | 679.84 | -1.24 | -6.87 | 6.98 | 2.00 | 2.00 | 0.00 | |
| 780.00 | 6.00 | 259.78 | 779.45 | -2.78 | -15.44 | 15.69 | 2.00 | 2.00 | 0.00 | |
| 880.00 | 8.00 | 259.78 | 878.70 | -4.94 | -27.44 | 27.88 | 2.00 | 2.00 | 0.00 | |
| 929.89 | 9.00 | 259.78 | 928.05 | -6.25 | -34.69 | 35.25 | 2.00 | 2.00 | 0.00 | HOLD |
| 980.00 | 9.00 | 259.78 | 977.54 | -7.64 | -42.41 | 43.09 | 0.00 | 0.00 | 0.00 | |
| 1080.00 | 9.00 | 259.78 | 1076.31 | -10.42 | -57.80 | 58.73 | 0.00 | 0.00 | 0.00 | |
| 1180.00 | 9.00 | 259.78 | 1175.08 | -13.19 | -73.19 | 74.37 | 0.00 | 0.00 | 0.00 | |
| 1280.00 | 9.00 | 259.78 | 1273.84 | -15.96 | -88.58 | 90.01 | 0.00 | 0.00 | 0.00 | |
| 1380.00 | 9.00 | 259.78 | 1372.61 | -18.74 | -103.97 | 105.65 | 0.00 | 0.00 | 0.00 | |
| 1480.00 | 9.00 | 259.78 | 1471.38 | -21.51 | -119.37 | 121.29 | 0.00 | 0.00 | 0.00 | |
| 1580.00 | 9.00 | 259.78 | 1570.15 | -24.29 | -134.76 | 136.93 | 0.00 | 0.00 | 0.00 | |
| 1680.00 | 9.00 | 259.78 | 1668.92 | -27.06 | -150.15 | 152.57 | 0.00 | 0.00 | 0.00 | |
| 1780.00 | 9.00 | 259.78 | 1767.69 | -29.83 | -165.54 | 168.21 | 0.00 | 0.00 | 0.00 | |

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY
 Field: GARFIELD COUNTY (NAD 83)
 Site: SCHOOL HOUSE POINT M15 PAD
 Well: OM12C M15 696
 Wellpath: 1

Date: 8/15/2007 Time: 17:04:50 Page: 2
 Co-ordinate(NE) Reference: Well: OM12C M15 696, True North
 Vertical (TVD) Reference: SITE 8413.0
 Section (VS) Reference: Well (0.00N,0.00E,259.78Azi)
 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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|------------|
| 1880.00 | 9.00 | 259.78 | 1866.46 | -32.61 | -180.93 | 183.85 | 0.00 | 0.00 | 0.00 | |
| 1980.00 | 9.00 | 259.78 | 1965.23 | -35.38 | -196.33 | 199.49 | 0.00 | 0.00 | 0.00 | |
| 2080.00 | 9.00 | 259.78 | 2064.00 | -38.15 | -211.72 | 215.13 | 0.00 | 0.00 | 0.00 | |
| 2180.00 | 9.00 | 259.78 | 2162.77 | -40.93 | -227.11 | 230.77 | 0.00 | 0.00 | 0.00 | |
| 2280.00 | 9.00 | 259.78 | 2261.54 | -43.70 | -242.50 | 246.41 | 0.00 | 0.00 | 0.00 | |
| 2380.00 | 9.00 | 259.78 | 2360.31 | -46.48 | -257.89 | 262.05 | 0.00 | 0.00 | 0.00 | |
| 2473.85 | 9.00 | 259.78 | 2453.00 | -49.08 | -272.34 | 276.72 | 0.00 | 0.00 | 0.00 | WASATCH |
| 2480.00 | 9.00 | 259.78 | 2459.08 | -49.25 | -273.28 | 277.69 | 0.00 | 0.00 | 0.00 | |
| 2580.00 | 9.00 | 259.78 | 2557.85 | -52.02 | -288.68 | 293.33 | 0.00 | 0.00 | 0.00 | |
| 2680.00 | 9.00 | 259.78 | 2656.62 | -54.80 | -304.07 | 308.97 | 0.00 | 0.00 | 0.00 | |
| 2780.00 | 9.00 | 259.78 | 2755.39 | -57.57 | -319.46 | 324.61 | 0.00 | 0.00 | 0.00 | |
| 2880.00 | 9.00 | 259.78 | 2854.16 | -60.35 | -334.85 | 340.25 | 0.00 | 0.00 | 0.00 | |
| 2980.00 | 9.00 | 259.78 | 2952.92 | -63.12 | -350.24 | 355.89 | 0.00 | 0.00 | 0.00 | |
| 3000.00 | 9.00 | 259.78 | 2972.68 | -63.67 | -353.32 | 359.01 | 0.00 | 0.00 | 0.00 | 9 5/8" |
| 3080.00 | 9.00 | 259.78 | 3051.69 | -65.89 | -365.64 | 371.53 | 0.00 | 0.00 | 0.00 | |
| 3180.00 | 9.00 | 259.78 | 3150.46 | -68.67 | -381.03 | 387.17 | 0.00 | 0.00 | 0.00 | |
| 3280.00 | 9.00 | 259.78 | 3249.23 | -71.44 | -396.42 | 402.81 | 0.00 | 0.00 | 0.00 | |
| 3380.00 | 9.00 | 259.78 | 3348.00 | -74.21 | -411.81 | 418.44 | 0.00 | 0.00 | 0.00 | |
| 3480.00 | 9.00 | 259.78 | 3446.77 | -76.99 | -427.20 | 434.08 | 0.00 | 0.00 | 0.00 | |
| 3580.00 | 9.00 | 259.78 | 3545.54 | -79.76 | -442.59 | 449.72 | 0.00 | 0.00 | 0.00 | |
| 3680.00 | 9.00 | 259.78 | 3644.31 | -82.54 | -457.99 | 465.36 | 0.00 | 0.00 | 0.00 | |
| 3780.00 | 9.00 | 259.78 | 3743.08 | -85.31 | -473.38 | 481.00 | 0.00 | 0.00 | 0.00 | |
| 3880.00 | 9.00 | 259.78 | 3841.85 | -88.08 | -488.77 | 496.64 | 0.00 | 0.00 | 0.00 | |
| 3980.00 | 9.00 | 259.78 | 3940.62 | -90.86 | -504.16 | 512.28 | 0.00 | 0.00 | 0.00 | |
| 4080.00 | 9.00 | 259.78 | 4039.39 | -93.63 | -519.55 | 527.92 | 0.00 | 0.00 | 0.00 | |
| 4180.00 | 9.00 | 259.78 | 4138.16 | -96.41 | -534.95 | 543.56 | 0.00 | 0.00 | 0.00 | |
| 4280.00 | 9.00 | 259.78 | 4236.93 | -99.18 | -550.34 | 559.20 | 0.00 | 0.00 | 0.00 | |
| 4380.00 | 9.00 | 259.78 | 4335.70 | -101.95 | -565.73 | 574.84 | 0.00 | 0.00 | 0.00 | |
| 4480.00 | 9.00 | 259.78 | 4434.47 | -104.73 | -581.12 | 590.48 | 0.00 | 0.00 | 0.00 | |
| 4580.00 | 9.00 | 259.78 | 4533.24 | -107.50 | -596.51 | 606.12 | 0.00 | 0.00 | 0.00 | |
| 4680.00 | 9.00 | 259.78 | 4632.00 | -110.27 | -611.90 | 621.76 | 0.00 | 0.00 | 0.00 | |
| 4780.00 | 9.00 | 259.78 | 4730.77 | -113.05 | -627.30 | 637.40 | 0.00 | 0.00 | 0.00 | |
| 4880.00 | 9.00 | 259.78 | 4829.54 | -115.82 | -642.69 | 653.04 | 0.00 | 0.00 | 0.00 | |
| 4980.00 | 9.00 | 259.78 | 4928.31 | -118.60 | -658.08 | 668.68 | 0.00 | 0.00 | 0.00 | |
| 5070.80 | 9.00 | 259.78 | 5018.00 | -121.11 | -672.06 | 682.88 | 0.00 | 0.00 | 0.00 | FORT UNIUN |
| 5080.00 | 9.00 | 259.78 | 5027.08 | -121.37 | -673.47 | 684.32 | 0.00 | 0.00 | 0.00 | |
| 5180.00 | 9.00 | 259.78 | 5125.85 | -124.14 | -688.86 | 699.96 | 0.00 | 0.00 | 0.00 | |
| 5280.00 | 9.00 | 259.78 | 5224.62 | -126.92 | -704.26 | 715.60 | 0.00 | 0.00 | 0.00 | |
| 5380.00 | 9.00 | 259.78 | 5323.39 | -129.69 | -719.65 | 731.24 | 0.00 | 0.00 | 0.00 | |
| 5480.00 | 9.00 | 259.78 | 5422.16 | -132.46 | -735.04 | 746.88 | 0.00 | 0.00 | 0.00 | |
| 5580.00 | 9.00 | 259.78 | 5520.93 | -135.24 | -750.43 | 762.52 | 0.00 | 0.00 | 0.00 | |
| 5680.00 | 9.00 | 259.78 | 5619.70 | -138.01 | -765.82 | 778.16 | 0.00 | 0.00 | 0.00 | |
| 5780.00 | 9.00 | 259.78 | 5718.47 | -140.79 | -781.22 | 793.80 | 0.00 | 0.00 | 0.00 | |
| 5880.00 | 9.00 | 259.78 | 5817.24 | -143.56 | -796.61 | 809.44 | 0.00 | 0.00 | 0.00 | |
| 5980.00 | 9.00 | 259.78 | 5916.01 | -146.33 | -812.00 | 825.08 | 0.00 | 0.00 | 0.00 | |
| 6080.00 | 9.00 | 259.78 | 6014.78 | -149.11 | -827.39 | 840.72 | 0.00 | 0.00 | 0.00 | |
| 6180.00 | 9.00 | 259.78 | 6113.55 | -151.88 | -842.78 | 856.36 | 0.00 | 0.00 | 0.00 | |
| 6280.00 | 9.00 | 259.78 | 6212.32 | -154.66 | -858.17 | 872.00 | 0.00 | 0.00 | 0.00 | |
| 6282.62 | 9.00 | 259.78 | 6214.91 | -154.73 | -858.58 | 872.41 | 0.00 | 0.00 | 0.00 | DROP |
| 6380.00 | 8.02 | 259.78 | 6311.21 | -157.28 | -872.76 | 886.82 | 1.00 | -1.00 | 0.00 | |
| 6480.00 | 7.02 | 259.78 | 6410.35 | -159.61 | -885.65 | 899.91 | 1.00 | -1.00 | 0.00 | |
| 6580.00 | 6.02 | 259.78 | 6509.70 | -161.62 | -896.83 | 911.28 | 1.00 | -1.00 | 0.00 | |
| 6680.00 | 5.02 | 259.78 | 6609.23 | -163.33 | -906.30 | 920.90 | 1.00 | -1.00 | 0.00 | |

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: SCHOOL HOUSE POINT M15 PAD
Well: OM12C M15 696
Wellpath: 1

Date: 8/15/2007 **Time:** 17:04:50 **Page:** 3
Co-ordinate(NE) Reference: Well: OM12C M15 696, True North
Vertical (TVD) Reference: SITE 8413.0
Section (VS) Reference: Well (0.00N,0.00E,259.78Azi)
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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|----------------|
| 6698.84 | 4.84 | 259.78 | 6628.00 | -163.62 | -907.90 | 922.52 | 1.00 | -1.00 | 0.00 | OHIO CREEK |
| 6780.00 | 4.02 | 259.78 | 6708.92 | -164.73 | -914.07 | 928.79 | 1.00 | -1.00 | 0.00 | |
| 6880.00 | 3.02 | 259.78 | 6808.73 | -165.82 | -920.12 | 934.94 | 1.00 | -1.00 | 0.00 | |
| 6980.00 | 2.02 | 259.78 | 6908.63 | -166.60 | -924.45 | 939.34 | 1.00 | -1.00 | 0.00 | |
| 7080.00 | 1.02 | 259.78 | 7008.59 | -167.07 | -927.07 | 942.00 | 1.00 | -1.00 | 0.00 | |
| 7180.00 | 0.02 | 259.78 | 7108.59 | -167.23 | -927.97 | 942.92 | 1.00 | -1.00 | 0.00 | |
| 7182.41 | 0.00 | 259.78 | 7111.00 | -167.23 | -927.97 | 942.92 | 1.00 | -1.00 | 0.00 | |
| | | | | | | | | | | APPROX TOP GAS |
| 7280.00 | 0.00 | 259.78 | 7208.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7380.00 | 0.00 | 259.78 | 7308.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7480.00 | 0.00 | 259.78 | 7408.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7580.00 | 0.00 | 259.78 | 7508.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7680.00 | 0.00 | 259.78 | 7608.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7780.00 | 0.00 | 259.78 | 7708.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7880.00 | 0.00 | 259.78 | 7808.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 7980.00 | 0.00 | 259.78 | 7908.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8080.00 | 0.00 | 259.78 | 8008.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8180.00 | 0.00 | 259.78 | 8108.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8280.00 | 0.00 | 259.78 | 8208.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8380.00 | 0.00 | 259.78 | 8308.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8480.00 | 0.00 | 259.78 | 8408.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8580.00 | 0.00 | 259.78 | 8508.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8680.00 | 0.00 | 259.78 | 8608.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8780.00 | 0.00 | 259.78 | 8708.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8880.00 | 0.00 | 259.78 | 8808.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 8980.00 | 0.00 | 259.78 | 8908.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9080.00 | 0.00 | 259.78 | 9008.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9180.00 | 0.00 | 259.78 | 9108.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9280.00 | 0.00 | 259.78 | 9208.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9380.00 | 0.00 | 259.78 | 9308.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9480.00 | 0.00 | 259.78 | 9408.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9522.41 | 0.00 | 259.78 | 9451.00 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9580.00 | 0.00 | 259.78 | 9508.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9680.00 | 0.00 | 259.78 | 9608.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9780.00 | 0.00 | 259.78 | 9708.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9880.00 | 0.00 | 259.78 | 9808.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 9980.00 | 0.00 | 259.78 | 9908.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 10022.41 | 0.00 | 259.78 | 9951.00 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | ROLLINS SS |
| 10080.00 | 0.00 | 259.78 | 10008.59 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| 10172.41 | 0.00 | 259.78 | 10101.00 | -167.23 | -927.97 | 942.92 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | PBHL_OM12C |

Annotation

| MD ft | TVD ft | |
|----------|-----------|------|
| 480.00 | 480.00 | KOP |
| 929.89 | 928.04 | HOLD |
| 6282.62 | 6214.90 | DROP |
| 7182.41 | 7111.00 | HOLD |
| 10172.41 | 10101.00 | PBHL |

Weatherford International, Ltd.

PLAN REPORT

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: SCHOOL HOUSE POINT M15 PAD
Well: OM12C M15 696
Wellpath: 1

Date: 8/15/2007 **Time:** 17:04:50 **Page:** 4

Co-ordinate(NE) Reference: Well: OM12C M15 696, True North

Vertical (TYD) Reference: SITE 8413.0

Section (VS) Reference: Well (0.00N,0.00E,259.78Azi)

Survey Calculation Method: Minimum Curvature **Db:** Sybase

Targets

| Name | Description | | TVD ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | ← Latitude → | | | ← Longitude → | | |
|--|-------------|------|-----------|-------------|-------------|-----------------------|----------------------|--------------|-----|----------|---------------|-----|----------|
| | Dip. | Dir. | | | | | | Deg | Min | Sec | Deg | Min | Sec |
| PBHL_OM12C -Rectangle (100x200) -Plan hit target | | | 10101.00 | -167.23 | -927.97 | 1624849.49 | 2265640.90 | 39 | 31 | 12.336 N | 108 | 6 | 12.686 W |

Weatherford International, Ltd.

Anticollision Report

| | | | | | | | |
|---------------------|----------------------------|----------------------------|---------------------------------|-------|----------|-------|--------|
| Company: | BERRY PETROLEUM COMPANY | Date: | 8/16/2007 | Time: | 10:15:38 | Page: | 1 |
| Field: | GARFIELD COUNTY (NAD 83) | | | | | | |
| Reference Site: | SCHOOL HOUSE POINT M15 PAD | Co-ordinate(NE) Reference: | Well: OM12C M15 696, True North | | | | |
| Reference Well: | OM12C M15 696 | Vertical (TVD) Reference: | SITE 8413.0 | | | | |
| Reference Wellpath: | 1 | | | | | Db: | Sybase |

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD **Interval:** 100.00 ft
Depth Range: 0.00 to 10172.41 ft
Maximum Radius: 10000.00 ft

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

| | | |
|----------------|----------------|--------------|
| Plan: Plan #1 | Date Composed: | 8/15/2007 |
| | Version: | 1 |
| Principal: Yes | Tied-to: | From Surface |

Summary

| Site | Offset Wellpath Well | Wellpath | Reference MD ft | Offset MD ft | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|----------------------------|-------------------------|-----------------------|-----------------------|--------------------|---------------------------|------------------------|----------------------|---------|
| SCHOOL HOUSE POINT M15 696 | 1 V0 Plan: Plan #1 V1 | 1 V0 Plan: Plan #1 V1 | 700.00 | 699.78 | 23.91 | 21.03 | 8.31 | |
| SCHOOL HOUSE POINT M15 696 | 1 V0 Plan: Plan #1 V1 | 1 V0 Plan: Plan #1 V1 | 600.00 | 598.48 | 25.81 | 23.38 | 10.65 | |

Site: SCHOOL HOUSE POINT M15 PAD
Well: OM12D M15 696
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 | 11.88 | 19.00 | 4.00 | 19.42 | | | No Data |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.09 | 0.09 | 11.88 | 19.00 | 4.00 | 19.42 | 19.24 | 110.75 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.31 | 0.31 | 11.88 | 19.00 | 4.00 | 19.42 | 18.79 | 31.07 | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.54 | 0.54 | 11.88 | 19.00 | 4.00 | 19.42 | 18.34 | 18.07 | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.76 | 0.76 | 11.88 | 19.00 | 4.00 | 19.42 | 17.89 | 12.74 | |
| 500.00 | 500.00 | 500.00 | 500.00 | 0.99 | 0.99 | 112.28 | 19.00 | 4.00 | 19.44 | 17.47 | 9.85 | |
| 600.00 | 599.96 | 599.96 | 599.96 | 1.21 | 1.21 | 118.60 | 19.00 | 4.00 | 20.49 | 18.07 | 8.46 | |
| 700.00 | 699.78 | 699.78 | 699.78 | 1.45 | 1.44 | 131.11 | 19.00 | 4.00 | 23.91 | 21.03 | 8.31 | |
| 800.00 | 799.33 | 799.33 | 799.33 | 1.70 | 1.66 | 144.26 | 19.00 | 4.00 | 30.93 | 27.80 | 9.29 | |
| 900.00 | 898.50 | 898.50 | 898.50 | 1.98 | 1.88 | 154.45 | 19.00 | 4.00 | 42.08 | 38.29 | 11.13 | |
| 1000.00 | 997.29 | 997.29 | 997.29 | 2.29 | 2.10 | 161.20 | 19.00 | 4.00 | 56.46 | 52.23 | 13.33 | |
| 1100.00 | 1096.06 | 1096.06 | 1096.06 | 2.62 | 2.33 | 165.24 | 19.00 | 4.00 | 71.46 | 66.77 | 15.22 | |
| 1200.00 | 1194.83 | 1194.83 | 1194.83 | 2.96 | 2.55 | 167.88 | 19.00 | 4.00 | 86.69 | 81.53 | 16.81 | |
| 1300.00 | 1293.60 | 1293.60 | 1293.60 | 3.31 | 2.77 | 169.72 | 19.00 | 4.00 | 102.04 | 96.42 | 18.15 | |
| 1400.00 | 1392.37 | 1392.37 | 1392.37 | 3.66 | 2.99 | 171.08 | 19.00 | 4.00 | 117.47 | 111.38 | 19.30 | |
| 1500.00 | 1491.14 | 1491.14 | 1491.14 | 4.02 | 3.21 | 172.13 | 19.00 | 4.00 | 132.94 | 126.39 | 20.29 | |
| 1600.00 | 1589.91 | 1589.91 | 1589.91 | 4.38 | 3.44 | 172.95 | 19.00 | 4.00 | 148.45 | 141.43 | 21.15 | |
| 1700.00 | 1688.68 | 1688.68 | 1688.68 | 4.74 | 3.66 | 173.62 | 19.00 | 4.00 | 163.99 | 156.50 | 21.90 | |
| 1800.00 | 1787.45 | 1787.45 | 1787.45 | 5.11 | 3.88 | 174.18 | 19.00 | 4.00 | 179.54 | 171.59 | 22.57 | |
| 1900.00 | 1886.22 | 1886.22 | 1886.22 | 5.47 | 4.10 | 174.64 | 19.00 | 4.00 | 195.11 | 186.69 | 23.16 | |
| 2000.00 | 1984.98 | 1984.98 | 1984.98 | 5.84 | 4.32 | 175.04 | 19.00 | 4.00 | 210.69 | 201.79 | 23.69 | |
| 2100.00 | 2083.75 | 2083.75 | 2083.75 | 6.21 | 4.55 | 175.38 | 19.00 | 4.00 | 226.28 | 216.91 | 24.17 | |
| 2200.00 | 2182.52 | 2182.52 | 2182.52 | 6.58 | 4.77 | 175.68 | 19.00 | 4.00 | 241.87 | 232.04 | 24.60 | |
| 2300.00 | 2281.29 | 2281.29 | 2281.29 | 6.95 | 4.99 | 175.94 | 19.00 | 4.00 | 257.47 | 247.16 | 24.99 | |
| 2400.00 | 2380.06 | 2380.06 | 2380.06 | 7.31 | 5.21 | 176.18 | 19.00 | 4.00 | 273.07 | 262.30 | 25.35 | |
| 2500.00 | 2478.83 | 2478.83 | 2478.83 | 7.69 | 5.43 | 176.38 | 19.00 | 4.00 | 288.68 | 277.43 | 25.67 | |
| 2600.00 | 2577.60 | 2577.60 | 2577.60 | 8.06 | 5.66 | 176.57 | 19.00 | 4.00 | 304.29 | 292.57 | 25.97 | |
| 2700.00 | 2676.37 | 2676.37 | 2676.37 | 8.43 | 5.88 | 176.74 | 19.00 | 4.00 | 319.90 | 307.72 | 26.25 | |
| 2800.00 | 2775.14 | 2775.14 | 2775.14 | 8.80 | 6.10 | 176.89 | 19.00 | 4.00 | 335.52 | 322.86 | 26.51 | |
| 2900.00 | 2873.91 | 2873.91 | 2873.91 | 9.17 | 6.32 | 177.03 | 19.00 | 4.00 | 351.14 | 338.01 | 26.75 | |
| 3000.00 | 2972.68 | 2972.68 | 2972.68 | 9.54 | 6.54 | 177.15 | 19.00 | 4.00 | 366.76 | 353.16 | 26.97 | |
| 3100.00 | 3071.45 | 3071.45 | 3071.45 | 9.91 | 6.77 | 177.27 | 19.00 | 4.00 | 382.38 | 368.31 | 27.17 | |
| 3200.00 | 3170.22 | 3170.22 | 3170.22 | 10.29 | 6.99 | 177.38 | 19.00 | 4.00 | 398.00 | 383.46 | 27.37 | |
| 3300.00 | 3268.99 | 3268.99 | 3268.99 | 10.66 | 7.21 | 177.48 | 19.00 | 4.00 | 413.63 | 398.61 | 27.55 | |
| 3400.00 | 3367.76 | 3367.76 | 3367.76 | 11.03 | 7.43 | 177.57 | 19.00 | 4.00 | 429.25 | 413.77 | 27.72 | |
| 3500.00 | 3466.53 | 3466.53 | 3466.53 | 11.40 | 7.65 | 177.65 | 19.00 | 4.00 | 444.88 | 428.92 | 27.88 | |

Weatherford International, Ltd.

Anticollision Report

| | | | | | | | |
|---------------------|----------------------------|----------------------------|---------------------------------|-------|----------|-------|---|
| Company: | BERRY PETROLEUM COMPANY | Date: | 8/16/2007 | Time: | 10:15:38 | Page: | 2 |
| Field: | GARFIELD COUNTY (NAD 83) | Co-ordinate(NE) Reference: | Well: OM12C M15 696, True North | | | | |
| Reference Site: | SCHOOL HOUSE POINT M15 PAD | Vertical (TVD) Reference: | SITE 8413.0 | | | | |
| Reference Well: | OM12C M15 696 | | | | | | |
| Reference Wellpath: | 1 | Db: Sybase | | | | | |

Site: SCHOOL HOUSE POINT M15 PAD

Well: OM12D M15 696

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 |
|-----------------------|-----------|--------------------|-----------|------------------------------|--------------|---------------|--------------------------------|------------|---------------------------|------------------------|----------------------|---------|
| 3600.00 | 3565.30 | 3565.30 | 3565.30 | 11.78 | 7.88 | 177.73 | 19.00 | 4.00 | 460.51 | 444.08 | 28.03 | |
| 3700.00 | 3664.06 | 3664.06 | 3664.06 | 12.15 | 8.10 | 177.81 | 19.00 | 4.00 | 476.14 | 459.23 | 28.17 | |
| 3800.00 | 3762.83 | 3762.83 | 3762.83 | 12.52 | 8.32 | 177.88 | 19.00 | 4.00 | 491.76 | 474.39 | 28.31 | |
| 3900.00 | 3861.60 | 3861.60 | 3861.60 | 12.90 | 8.54 | 177.94 | 19.00 | 4.00 | 507.39 | 489.55 | 28.43 | |
| 4000.00 | 3960.37 | 3960.37 | 3960.37 | 13.27 | 8.76 | 178.00 | 19.00 | 4.00 | 523.02 | 504.71 | 28.55 | |
| 4100.00 | 4059.14 | 4059.14 | 4059.14 | 13.64 | 8.99 | 178.06 | 19.00 | 4.00 | 538.65 | 519.87 | 28.67 | |
| 4200.00 | 4157.91 | 4157.91 | 4157.91 | 14.02 | 9.21 | 178.12 | 19.00 | 4.00 | 554.29 | 535.02 | 28.78 | |
| 4300.00 | 4256.68 | 4256.68 | 4256.68 | 14.39 | 9.43 | 178.17 | 19.00 | 4.00 | 569.92 | 550.18 | 28.88 | |
| 4400.00 | 4355.45 | 4355.45 | 4355.45 | 14.76 | 9.65 | 178.22 | 19.00 | 4.00 | 585.55 | 565.34 | 28.98 | |
| 4500.00 | 4454.22 | 4454.22 | 4454.22 | 15.14 | 9.87 | 178.26 | 19.00 | 4.00 | 601.18 | 580.50 | 29.07 | |
| 4600.00 | 4552.99 | 4572.64 | 4572.62 | 15.51 | 10.14 | 178.29 | 18.94 | 2.50 | 615.65 | 594.46 | 29.06 | |
| 4700.00 | 4651.76 | 4699.15 | 4698.94 | 15.88 | 10.43 | 178.24 | 18.65 | -4.37 | 625.97 | 604.26 | 28.84 | |
| 4800.00 | 4750.53 | 4826.56 | 4825.71 | 16.26 | 10.72 | 178.11 | 18.12 | -16.92 | 631.92 | 609.72 | 28.46 | |
| 4900.00 | 4849.30 | 4927.24 | 4925.65 | 16.63 | 10.96 | 177.97 | 17.60 | -29.18 | 635.58 | 612.90 | 28.03 | |
| 5000.00 | 4948.07 | 5027.17 | 5024.82 | 17.01 | 11.20 | 177.83 | 17.09 | -41.35 | 639.23 | 616.08 | 27.61 | |
| 5100.00 | 5046.84 | 5127.09 | 5124.00 | 17.38 | 11.44 | 177.70 | 16.57 | -53.52 | 642.89 | 619.26 | 27.21 | |
| 5200.00 | 5145.61 | 5227.01 | 5223.18 | 17.75 | 11.69 | 177.56 | 16.06 | -65.69 | 646.55 | 622.45 | 26.83 | |
| 5300.00 | 5244.38 | 5326.93 | 5322.35 | 18.13 | 11.94 | 177.43 | 15.54 | -77.86 | 650.21 | 625.63 | 26.46 | |
| 5400.00 | 5343.14 | 5426.85 | 5421.53 | 18.50 | 12.20 | 177.30 | 15.03 | -90.03 | 653.88 | 628.82 | 26.10 | |
| 5500.00 | 5441.91 | 5526.77 | 5520.71 | 18.88 | 12.46 | 177.17 | 14.52 | -102.20 | 657.55 | 632.02 | 25.75 | |
| 5600.00 | 5540.68 | 5626.70 | 5619.88 | 19.25 | 12.72 | 177.05 | 14.00 | -114.37 | 661.22 | 635.21 | 25.42 | |
| 5700.00 | 5639.45 | 5726.62 | 5719.06 | 19.62 | 12.98 | 176.92 | 13.49 | -126.54 | 664.90 | 638.41 | 25.10 | |
| 5800.00 | 5738.22 | 5826.54 | 5818.24 | 20.00 | 13.25 | 176.79 | 12.97 | -138.70 | 668.58 | 641.61 | 24.79 | |
| 5900.00 | 5836.99 | 5926.46 | 5917.41 | 20.37 | 13.52 | 176.67 | 12.46 | -150.87 | 672.27 | 644.81 | 24.49 | |
| 6000.00 | 5935.76 | 6026.38 | 6016.59 | 20.75 | 13.79 | 176.55 | 11.95 | -163.04 | 675.95 | 648.02 | 24.20 | |
| 6100.00 | 6034.53 | 6126.30 | 6115.77 | 21.12 | 14.06 | 176.43 | 11.43 | -175.21 | 679.64 | 651.22 | 23.92 | |
| 6200.00 | 6133.30 | 6226.23 | 6214.94 | 21.50 | 14.34 | 176.31 | 10.92 | -187.38 | 683.33 | 654.43 | 23.64 | |
| 6300.00 | 6232.07 | 6326.15 | 6314.12 | 21.86 | 14.61 | 176.19 | 10.40 | -199.55 | 687.00 | 657.62 | 23.38 | |
| 6400.00 | 6331.02 | 6426.10 | 6413.33 | 22.12 | 14.89 | 176.07 | 9.89 | -211.72 | 689.53 | 659.72 | 23.13 | |
| 6500.00 | 6430.20 | 6518.65 | 6505.22 | 22.36 | 15.12 | 175.95 | 9.43 | -222.65 | 690.70 | 660.49 | 22.87 | |
| 6600.00 | 6529.59 | 6608.08 | 6594.18 | 22.59 | 15.30 | 175.85 | 9.04 | -231.87 | 691.59 | 661.03 | 22.63 | |
| 6700.00 | 6629.16 | 6697.50 | 6683.26 | 22.80 | 15.47 | 175.77 | 8.71 | -239.70 | 692.27 | 661.37 | 22.40 | |
| 6800.00 | 6728.87 | 6786.92 | 6772.45 | 22.99 | 15.64 | 175.70 | 8.44 | -246.15 | 692.74 | 661.50 | 22.18 | |
| 6900.00 | 6828.70 | 6876.35 | 6861.73 | 23.16 | 15.81 | 175.64 | 8.22 | -251.20 | 692.99 | 661.44 | 21.96 | |
| 7000.00 | 6928.62 | 6965.77 | 6951.07 | 23.32 | 15.97 | 175.60 | 8.07 | -254.86 | 693.03 | 661.17 | 21.75 | |
| 7100.00 | 7028.59 | 7055.20 | 7040.47 | 23.45 | 16.13 | 175.58 | 7.97 | -257.12 | 692.86 | 660.70 | 21.54 | |
| 7200.00 | 7128.59 | 7144.63 | 7129.90 | 23.58 | 16.28 | 75.35 | 7.94 | -257.99 | 692.50 | 653.60 | 17.80 | |
| 7300.00 | 7228.59 | 7243.32 | 7228.59 | 23.73 | 16.47 | 75.35 | 7.94 | -258.00 | 692.49 | 652.62 | 17.37 | |
| 7400.00 | 7328.59 | 7343.32 | 7328.59 | 23.88 | 16.69 | 75.35 | 7.94 | -258.00 | 692.49 | 652.25 | 17.21 | |
| 7500.00 | 7428.59 | 7443.32 | 7428.59 | 24.03 | 16.90 | 75.35 | 7.94 | -258.00 | 692.49 | 651.88 | 17.05 | |
| 7600.00 | 7528.59 | 7543.32 | 7528.59 | 24.18 | 17.12 | 75.35 | 7.94 | -258.00 | 692.49 | 651.51 | 16.90 | |
| 7700.00 | 7628.59 | 7643.32 | 7628.59 | 24.33 | 17.33 | 75.35 | 7.94 | -258.00 | 692.49 | 651.13 | 16.75 | |
| 7800.00 | 7728.59 | 7743.32 | 7728.59 | 24.49 | 17.55 | 75.35 | 7.94 | -258.00 | 692.49 | 650.76 | 16.60 | |
| 7900.00 | 7828.59 | 7843.32 | 7828.59 | 24.64 | 17.77 | 75.35 | 7.94 | -258.00 | 692.49 | 650.39 | 16.45 | |
| 8000.00 | 7928.59 | 7943.32 | 7928.59 | 24.80 | 17.98 | 75.35 | 7.94 | -258.00 | 692.49 | 650.01 | 16.30 | |
| 8100.00 | 8028.59 | 8043.32 | 8028.59 | 24.96 | 18.20 | 75.35 | 7.94 | -258.00 | 692.49 | 649.63 | 16.16 | |
| 8200.00 | 8128.59 | 8143.32 | 8128.59 | 25.12 | 18.42 | 75.35 | 7.94 | -258.00 | 692.49 | 649.25 | 16.02 | |
| 8300.00 | 8228.59 | 8243.32 | 8228.59 | 25.28 | 18.63 | 75.35 | 7.94 | -258.00 | 692.49 | 648.87 | 15.88 | |
| 8400.00 | 8328.59 | 8343.32 | 8328.59 | 25.44 | 18.85 | 75.35 | 7.94 | -258.00 | 692.49 | 648.49 | 15.74 | |
| 8500.00 | 8428.59 | 8443.32 | 8428.59 | 25.60 | 19.07 | 75.35 | 7.94 | -258.00 | 692.49 | 648.11 | 15.61 | |
| 8600.00 | 8528.59 | 8543.32 | 8528.59 | 25.76 | 19.28 | 75.35 | 7.94 | -258.00 | 692.49 | 647.73 | 15.47 | |

Weatherford International, Ltd.

Anticollision Report

| | | | | | | | |
|---------------------|----------------------------|----------------------------|---------------------------------|-------|----------|-------|---|
| Company: | BERRY PETROLEUM COMPANY | Date: | 8/16/2007 | Time: | 10:15:38 | Page: | 3 |
| Field: | GARFIELD COUNTY (NAD 83) | Co-ordinate(NE) Reference: | Well: OM12C M15 696, True North | | | | |
| Reference Site: | SCHOOL HOUSE POINT M15 PAD | Vertical (TVD) Reference: | SITE 8413.0 | | | | |
| Reference Well: | OM12C M15 696 | | | | | | |
| Reference Wellpath: | 1 | Db: Sybase | | | | | |

Site: SCHOOL HOUSE POINT M15 PAD
Well: OM12D M15 696
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 |
|--------------------|-----------|-----------------|-----------|---------------------------|--------------|---------------|-----------------------------|------------|------------------------|---------------------|-------------------|---------|
| 8700.00 | 8628.59 | 8643.32 | 8628.59 | 25.93 | 19.50 | 75.35 | 7.94 | -258.00 | 692.49 | 647.35 | 15.34 | |
| 8800.00 | 8728.59 | 8743.32 | 8728.59 | 26.09 | 19.72 | 75.35 | 7.94 | -258.00 | 692.49 | 646.96 | 15.21 | |
| 8900.00 | 8828.59 | 8843.32 | 8828.59 | 26.26 | 19.94 | 75.35 | 7.94 | -258.00 | 692.49 | 646.57 | 15.08 | |
| 9000.00 | 8928.59 | 8943.32 | 8928.59 | 26.42 | 20.15 | 75.35 | 7.94 | -258.00 | 692.49 | 646.19 | 14.96 | |
| 9100.00 | 9028.59 | 9043.32 | 9028.59 | 26.59 | 20.37 | 75.35 | 7.94 | -258.00 | 692.49 | 645.80 | 14.83 | |
| 9200.00 | 9128.59 | 9143.32 | 9128.59 | 26.76 | 20.59 | 75.35 | 7.94 | -258.00 | 692.49 | 645.41 | 14.71 | |
| 9300.00 | 9228.59 | 9243.32 | 9228.59 | 26.93 | 20.81 | 75.35 | 7.94 | -258.00 | 692.49 | 645.02 | 14.59 | |
| 9400.00 | 9328.59 | 9343.32 | 9328.59 | 27.10 | 21.03 | 75.35 | 7.94 | -258.00 | 692.49 | 644.63 | 14.47 | |
| 9500.00 | 9428.59 | 9443.32 | 9428.59 | 27.27 | 21.25 | 75.35 | 7.94 | -258.00 | 692.49 | 644.24 | 14.35 | |
| 9600.00 | 9528.59 | 9543.32 | 9528.59 | 27.44 | 21.47 | 75.35 | 7.94 | -258.00 | 692.49 | 643.84 | 14.24 | |
| 9700.00 | 9628.59 | 9643.32 | 9628.59 | 27.61 | 21.68 | 75.35 | 7.94 | -258.00 | 692.49 | 643.45 | 14.12 | |
| 9800.00 | 9728.59 | 9743.32 | 9728.59 | 27.78 | 21.90 | 75.35 | 7.94 | -258.00 | 692.49 | 643.06 | 14.01 | |
| 9900.00 | 9828.59 | 9843.32 | 9828.59 | 27.96 | 22.12 | 75.35 | 7.94 | -258.00 | 692.49 | 642.66 | 13.90 | |
| 10000.00 | 9928.59 | 9943.32 | 9928.59 | 28.13 | 22.34 | 75.35 | 7.94 | -258.00 | 692.49 | 642.27 | 13.79 | |
| 10100.00 | 10028.59 | 10043.32 | 10028.59 | 28.31 | 22.56 | 75.35 | 7.94 | -258.00 | 692.49 | 641.87 | 13.68 | |
| 10172.41 | 10101.00 | 10115.73 | 10101.00 | 28.43 | 22.72 | 75.35 | 7.94 | -258.00 | 692.49 | 641.58 | 13.60 | |

Site: SCHOOL HOUSE POINT M15 PAD
Well: OM14B M15 696
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 | 191.30 | -20.00 | -4.00 | 20.40 | | | No Data |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.09 | 0.09 | 191.30 | -20.00 | -4.00 | 20.40 | 20.22 | 116.34 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.31 | 0.31 | 191.30 | -20.00 | -4.00 | 20.40 | 19.77 | 32.64 | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.54 | 0.54 | 191.30 | -20.00 | -4.00 | 20.40 | 19.32 | 18.98 | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.76 | 0.76 | 191.30 | -20.00 | -4.00 | 20.40 | 18.87 | 13.38 | |
| 500.00 | 500.00 | 499.40 | 499.38 | 0.99 | 0.99 | 288.57 | -21.54 | -3.23 | 21.77 | 19.80 | 11.03 | |
| 600.00 | 599.96 | 598.48 | 598.32 | 1.21 | 1.22 | 276.94 | -26.16 | -0.94 | 25.81 | 23.38 | 10.65 | |
| 700.00 | 699.78 | 696.80 | 696.26 | 1.45 | 1.47 | 261.62 | -33.76 | 2.84 | 34.31 | 31.43 | 11.92 | |
| 800.00 | 799.33 | 793.91 | 792.67 | 1.70 | 1.74 | 249.20 | -44.21 | 8.04 | 48.84 | 45.49 | 14.57 | |
| 900.00 | 898.50 | 890.85 | 888.56 | 1.98 | 2.04 | 240.65 | -56.96 | 14.38 | 68.87 | 65.01 | 17.85 | |
| 1000.00 | 997.29 | 987.90 | 984.52 | 2.29 | 2.36 | 234.53 | -69.90 | 20.81 | 91.46 | 87.07 | 20.80 | |
| 1100.00 | 1096.06 | 1084.91 | 1080.46 | 2.62 | 2.68 | 230.72 | -82.84 | 27.25 | 114.78 | 109.83 | 23.18 | |
| 1200.00 | 1194.83 | 1181.93 | 1176.39 | 2.96 | 3.01 | 228.20 | -95.77 | 33.68 | 138.41 | 132.90 | 25.10 | |
| 1300.00 | 1293.60 | 1278.95 | 1272.33 | 3.31 | 3.35 | 226.41 | -108.71 | 40.11 | 162.22 | 156.14 | 26.67 | |
| 1400.00 | 1392.37 | 1375.97 | 1368.27 | 3.66 | 3.69 | 225.08 | -121.65 | 46.54 | 186.14 | 179.49 | 27.97 | |
| 1500.00 | 1491.14 | 1472.98 | 1464.20 | 4.02 | 4.03 | 224.06 | -134.59 | 52.98 | 210.14 | 202.91 | 29.05 | |
| 1600.00 | 1589.91 | 1570.00 | 1560.14 | 4.38 | 4.38 | 223.24 | -147.53 | 59.41 | 234.19 | 226.37 | 29.98 | |
| 1700.00 | 1688.68 | 1667.02 | 1656.07 | 4.74 | 4.72 | 222.58 | -160.46 | 65.84 | 258.27 | 249.88 | 30.77 | |
| 1800.00 | 1787.45 | 1764.04 | 1752.01 | 5.11 | 5.07 | 222.03 | -173.40 | 72.27 | 282.38 | 273.40 | 31.45 | |
| 1900.00 | 1886.22 | 1861.05 | 1847.94 | 5.47 | 5.42 | 221.56 | -186.34 | 78.71 | 306.51 | 296.95 | 32.05 | |
| 2000.00 | 1984.98 | 1958.07 | 1943.88 | 5.84 | 5.77 | 221.17 | -199.28 | 85.14 | 330.66 | 320.51 | 32.58 | |
| 2100.00 | 2083.75 | 2055.09 | 2039.81 | 6.21 | 6.12 | 220.83 | -212.21 | 91.57 | 354.82 | 344.08 | 33.05 | |
| 2200.00 | 2182.52 | 2152.11 | 2135.75 | 6.58 | 6.46 | 220.53 | -225.15 | 98.00 | 378.99 | 367.66 | 33.46 | |
| 2300.00 | 2281.29 | 2249.12 | 2231.68 | 6.95 | 6.81 | 220.26 | -238.09 | 104.44 | 403.17 | 391.25 | 33.84 | |
| 2400.00 | 2380.06 | 2346.14 | 2327.62 | 7.31 | 7.16 | 220.03 | -251.03 | 110.87 | 427.35 | 414.85 | 34.18 | |
| 2500.00 | 2478.83 | 2443.16 | 2423.55 | 7.69 | 7.52 | 219.82 | -263.96 | 117.30 | 451.54 | 438.45 | 34.49 | |
| 2600.00 | 2577.60 | 2540.17 | 2519.49 | 8.06 | 7.87 | 219.64 | -276.90 | 123.73 | 475.74 | 462.06 | 34.77 | |
| 2700.00 | 2676.37 | 2637.19 | 2615.43 | 8.43 | 8.22 | 219.47 | -289.84 | 130.17 | 499.94 | 485.67 | 35.02 | |
| 2800.00 | 2775.14 | 2734.21 | 2711.36 | 8.80 | 8.57 | 219.31 | -302.78 | 136.60 | 524.15 | 509.28 | 35.26 | |

Weatherford International, Ltd.

Anticollision Report

| | | | | | | | |
|---------------------|----------------------------|----------------------------|---------------------------------|-------|----------|-------|--------|
| Company: | BERRY PETROLEUM COMPANY | Date: | 8/16/2007 | Time: | 10:15:38 | Page: | 4 |
| Field: | GARFIELD COUNTY (NAD 83) | | | | | | |
| Reference Site: | SCHOOL HOUSE POINT M15 PAD | Co-ordinate(NE) Reference: | Well: OM12C M15 696, True North | | | | |
| Reference Well: | OM12C M15 696 | Vertical (TVD) Reference: | SITE 8413.0 | | | | |
| Reference Wellpath: | 1 | | | | | Db: | Sybase |

Site: SCHOOL HOUSE POINT M15 PAD

Well: OM14B M15 696

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 |
|-----------------------|-----------|--------------------|-----------|------------------------------|--------------|---------------|--------------------------------|------------|---------------------------|------------------------|----------------------|---------|
| 2900.00 | 2873.91 | 2831.23 | 2807.30 | 9.17 | 8.92 | 219.17 | -315.72 | 143.03 | 548.35 | 532.90 | 35.48 | |
| 3000.00 | 2972.68 | 2928.24 | 2903.23 | 9.54 | 9.27 | 219.05 | -328.65 | 149.46 | 572.57 | 556.52 | 35.68 | |
| 3100.00 | 3071.45 | 3025.26 | 2999.17 | 9.91 | 9.62 | 218.93 | -341.59 | 155.90 | 596.78 | 580.14 | 35.86 | |
| 3200.00 | 3170.22 | 3122.28 | 3095.10 | 10.29 | 9.98 | 218.82 | -354.53 | 162.33 | 620.99 | 603.76 | 36.04 | |
| 3300.00 | 3268.99 | 3219.30 | 3191.04 | 10.66 | 10.33 | 218.72 | -367.47 | 168.76 | 645.21 | 627.39 | 36.20 | |
| 3400.00 | 3367.76 | 3316.31 | 3286.97 | 11.03 | 10.68 | 218.63 | -380.40 | 175.19 | 669.43 | 651.01 | 36.35 | |
| 3500.00 | 3466.53 | 3413.33 | 3382.91 | 11.40 | 11.03 | 218.54 | -393.34 | 181.63 | 693.65 | 674.64 | 36.49 | |
| 3600.00 | 3565.30 | 3510.35 | 3478.84 | 11.78 | 11.38 | 218.46 | -406.28 | 188.06 | 717.87 | 698.27 | 36.62 | |
| 3700.00 | 3664.06 | 3607.36 | 3574.78 | 12.15 | 11.74 | 218.38 | -419.22 | 194.49 | 742.10 | 721.90 | 36.74 | |
| 3800.00 | 3762.83 | 3704.38 | 3670.71 | 12.52 | 12.09 | 218.31 | -432.16 | 200.92 | 766.32 | 745.53 | 36.86 | |
| 3900.00 | 3861.60 | 3801.40 | 3766.65 | 12.90 | 12.44 | 218.25 | -445.09 | 207.36 | 790.55 | 769.16 | 36.97 | |
| 4000.00 | 3960.37 | 3898.42 | 3862.59 | 13.27 | 12.80 | 218.18 | -458.03 | 213.79 | 814.77 | 792.80 | 37.07 | |
| 4100.00 | 4059.14 | 3995.43 | 3958.52 | 13.64 | 13.15 | 218.13 | -470.97 | 220.22 | 839.00 | 816.43 | 37.17 | |
| 4200.00 | 4157.91 | 4092.45 | 4054.46 | 14.02 | 13.50 | 218.07 | -483.91 | 226.66 | 863.23 | 840.07 | 37.27 | |
| 4300.00 | 4256.68 | 4189.47 | 4150.39 | 14.39 | 13.85 | 218.02 | -496.84 | 233.09 | 887.46 | 863.70 | 37.35 | |
| 4400.00 | 4355.45 | 4286.49 | 4246.33 | 14.76 | 14.21 | 217.97 | -509.78 | 239.52 | 911.69 | 887.34 | 37.44 | |
| 4500.00 | 4454.22 | 4383.50 | 4342.26 | 15.14 | 14.56 | 217.92 | -522.72 | 245.95 | 935.92 | 910.97 | 37.52 | |
| 4600.00 | 4552.99 | 4480.52 | 4438.20 | 15.51 | 14.91 | 217.88 | -535.66 | 252.39 | 960.15 | 934.61 | 37.60 | |
| 4700.00 | 4651.76 | 4577.54 | 4534.13 | 15.88 | 15.27 | 217.83 | -548.59 | 258.82 | 984.38 | 958.25 | 37.67 | |
| 4800.00 | 4750.53 | 4674.56 | 4630.07 | 16.26 | 15.62 | 217.79 | -561.53 | 265.25 | 1008.61 | 981.88 | 37.74 | |
| 4900.00 | 4849.30 | 4771.57 | 4726.00 | 16.63 | 15.97 | 217.76 | -574.47 | 271.68 | 1032.84 | 1005.52 | 37.80 | |
| 5000.00 | 4948.07 | 4868.59 | 4821.94 | 17.01 | 16.32 | 217.72 | -587.41 | 278.12 | 1057.08 | 1029.16 | 37.87 | |
| 5100.00 | 5046.84 | 4965.61 | 4917.87 | 17.38 | 16.68 | 217.68 | -600.35 | 284.55 | 1081.31 | 1052.80 | 37.93 | |
| 5200.00 | 5145.61 | 5062.62 | 5013.81 | 17.75 | 17.03 | 217.65 | -613.28 | 290.98 | 1105.54 | 1076.44 | 37.99 | |
| 5300.00 | 5244.38 | 5159.64 | 5109.75 | 18.13 | 17.38 | 217.62 | -626.22 | 297.41 | 1129.78 | 1100.08 | 38.04 | |
| 5400.00 | 5343.14 | 5256.66 | 5205.68 | 18.50 | 17.74 | 217.59 | -639.16 | 303.85 | 1154.01 | 1123.72 | 38.10 | |
| 5500.00 | 5441.91 | 5353.68 | 5301.62 | 18.88 | 18.09 | 217.56 | -652.10 | 310.28 | 1178.24 | 1147.36 | 38.15 | |
| 5600.00 | 5540.68 | 5450.69 | 5397.55 | 19.25 | 18.44 | 217.53 | -665.03 | 316.71 | 1202.48 | 1171.00 | 38.20 | |
| 5700.00 | 5639.45 | 5547.71 | 5493.49 | 19.62 | 18.80 | 217.50 | -677.97 | 323.14 | 1226.71 | 1194.64 | 38.25 | |
| 5800.00 | 5738.22 | 5644.73 | 5589.42 | 20.00 | 19.15 | 217.48 | -690.91 | 329.58 | 1250.95 | 1218.28 | 38.29 | |
| 5900.00 | 5836.99 | 5741.75 | 5685.36 | 20.37 | 19.50 | 217.45 | -703.85 | 336.01 | 1275.18 | 1241.92 | 38.34 | |
| 6000.00 | 5935.76 | 5838.76 | 5781.29 | 20.75 | 19.86 | 217.43 | -716.78 | 342.44 | 1299.42 | 1265.56 | 38.38 | |
| 6100.00 | 6034.53 | 5935.78 | 5877.23 | 21.12 | 20.21 | 217.40 | -729.72 | 348.87 | 1323.66 | 1289.20 | 38.42 | |
| 6200.00 | 6133.30 | 6032.80 | 5973.16 | 21.50 | 20.56 | 217.38 | -742.66 | 355.31 | 1347.89 | 1312.84 | 38.46 | |
| 6300.00 | 6232.07 | 6129.82 | 6069.10 | 21.86 | 20.92 | 217.33 | -755.60 | 361.74 | 1372.11 | 1336.48 | 38.51 | |
| 6400.00 | 6331.02 | 6227.06 | 6165.26 | 22.12 | 21.27 | 217.20 | -768.57 | 368.19 | 1395.43 | 1359.32 | 38.63 | |
| 6500.00 | 6430.20 | 6328.09 | 6265.17 | 22.36 | 21.63 | 217.11 | -782.02 | 374.87 | 1417.39 | 1380.79 | 38.73 | |
| 6600.00 | 6529.59 | 6450.50 | 6386.45 | 22.59 | 21.96 | 217.07 | -796.85 | 382.25 | 1436.93 | 1399.87 | 38.77 | |
| 6700.00 | 6629.16 | 6574.02 | 6509.16 | 22.80 | 22.24 | 217.03 | -809.45 | 388.52 | 1453.42 | 1415.95 | 38.79 | |
| 6800.00 | 6728.87 | 6698.47 | 6633.07 | 22.99 | 22.49 | 217.00 | -819.76 | 393.64 | 1466.82 | 1428.97 | 38.75 | |
| 6900.00 | 6828.70 | 6823.66 | 6757.95 | 23.16 | 22.71 | 216.98 | -827.69 | 397.59 | 1477.10 | 1438.90 | 38.66 | |
| 7000.00 | 6928.62 | 6949.41 | 6883.54 | 23.32 | 22.91 | 216.96 | -833.20 | 400.32 | 1484.25 | 1445.72 | 38.52 | |
| 7100.00 | 7028.59 | 7075.50 | 7009.59 | 23.45 | 23.09 | 216.95 | -836.25 | 401.84 | 1488.26 | 1449.42 | 38.32 | |
| 7200.00 | 7128.59 | 7194.51 | 7128.59 | 23.58 | 23.24 | 216.72 | -836.90 | 402.16 | 1489.19 | 1444.78 | 33.53 | |
| 7300.00 | 7228.59 | 7294.51 | 7228.59 | 23.73 | 23.39 | 216.72 | -836.90 | 402.16 | 1489.19 | 1444.47 | 33.30 | |
| 7400.00 | 7328.59 | 7394.51 | 7328.59 | 23.88 | 23.55 | 216.72 | -836.90 | 402.16 | 1489.19 | 1444.15 | 33.06 | |
| 7500.00 | 7428.59 | 7494.51 | 7428.59 | 24.03 | 23.70 | 216.72 | -836.90 | 402.16 | 1489.19 | 1443.83 | 32.83 | |
| 7600.00 | 7528.59 | 7594.51 | 7528.59 | 24.18 | 23.86 | 216.72 | -836.90 | 402.16 | 1489.19 | 1443.51 | 32.60 | |
| 7700.00 | 7628.59 | 7694.51 | 7628.59 | 24.33 | 24.02 | 216.72 | -836.90 | 402.16 | 1489.19 | 1443.18 | 32.37 | |
| 7800.00 | 7728.59 | 7794.51 | 7728.59 | 24.49 | 24.18 | 216.72 | -836.90 | 402.16 | 1489.19 | 1442.85 | 32.14 | |
| 7900.00 | 7828.59 | 7894.51 | 7828.59 | 24.64 | 24.34 | 216.72 | -836.90 | 402.16 | 1489.19 | 1442.53 | 31.91 | |

Weatherford International, Ltd.

Anticollision Report

| | | | | | | | |
|---------------------|----------------------------|----------------------------|---------------------------------|-------|----------|-------|---|
| Company: | BERRY PETROLEUM COMPANY | Date: | 8/16/2007 | Time: | 10:15:38 | Page: | 5 |
| Field: | GARFIELD COUNTY (NAD 83) | Co-ordinate(NE) Reference: | Well: OM12C M15 696, True North | | | | |
| Reference Site: | SCHOOL HOUSE POINT M15 PAD | Vertical (TVD) Reference: | SITE 8413.0 | | | | |
| Reference Well: | OM12C M15 696 | | | | | | |
| Reference Wellpath: | 1 | Db: Sybase | | | | | |

Site: SCHOOL HOUSE POINT M15 PAD
 Well: OM14B M15 696
 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 | | | | |
| 8000.00 | 7928.59 | 7994.51 | 7928.59 | 24.80 | 24.50 | 116.72 | -836.90 | 402.16 | 1489.19 | 1442.19 | 31.69 | |
| 8100.00 | 8028.59 | 8094.51 | 8028.59 | 24.96 | 24.66 | 116.72 | -836.90 | 402.16 | 1489.19 | 1441.86 | 31.46 | |
| 8200.00 | 8128.59 | 8194.51 | 8128.59 | 25.12 | 24.82 | 116.72 | -836.90 | 402.16 | 1489.19 | 1441.53 | 31.24 | |
| 8300.00 | 8228.59 | 8294.51 | 8228.59 | 25.28 | 24.99 | 116.72 | -836.90 | 402.16 | 1489.19 | 1441.19 | 31.02 | |
| 8400.00 | 8328.59 | 8394.51 | 8328.59 | 25.44 | 25.15 | 116.72 | -836.90 | 402.16 | 1489.19 | 1440.85 | 30.81 | |
| | | | | | | | | | | | | |
| 8500.00 | 8428.59 | 8494.51 | 8428.59 | 25.60 | 25.32 | 116.72 | -836.90 | 402.16 | 1489.19 | 1440.51 | 30.59 | |
| 8600.00 | 8528.59 | 8594.51 | 8528.59 | 25.76 | 25.48 | 116.72 | -836.90 | 402.16 | 1489.19 | 1440.17 | 30.38 | |
| 8700.00 | 8628.59 | 8694.51 | 8628.59 | 25.93 | 25.65 | 116.72 | -836.90 | 402.16 | 1489.19 | 1439.83 | 30.17 | |
| 8800.00 | 8728.59 | 8794.51 | 8728.59 | 26.09 | 25.82 | 116.72 | -836.90 | 402.16 | 1489.19 | 1439.48 | 29.96 | |
| 8900.00 | 8828.59 | 8894.51 | 8828.59 | 26.26 | 25.99 | 116.72 | -836.90 | 402.16 | 1489.19 | 1439.13 | 29.75 | |
| | | | | | | | | | | | | |
| 9000.00 | 8928.59 | 8994.51 | 8928.59 | 26.42 | 26.16 | 116.72 | -836.90 | 402.16 | 1489.19 | 1438.78 | 29.54 | |
| 9100.00 | 9028.59 | 9094.51 | 9028.59 | 26.59 | 26.33 | 116.72 | -836.90 | 402.16 | 1489.19 | 1438.43 | 29.34 | |
| 9200.00 | 9128.59 | 9194.51 | 9128.59 | 26.76 | 26.50 | 116.72 | -836.90 | 402.16 | 1489.19 | 1438.08 | 29.14 | |
| 9300.00 | 9228.59 | 9294.51 | 9228.59 | 26.93 | 26.68 | 116.72 | -836.90 | 402.16 | 1489.19 | 1437.73 | 28.94 | |
| 9400.00 | 9328.59 | 9394.51 | 9328.59 | 27.10 | 26.85 | 116.72 | -836.90 | 402.16 | 1489.19 | 1437.37 | 28.74 | |
| | | | | | | | | | | | | |
| 9500.00 | 9428.59 | 9494.51 | 9428.59 | 27.27 | 27.02 | 116.72 | -836.90 | 402.16 | 1489.19 | 1437.02 | 28.54 | |
| 9600.00 | 9528.59 | 9594.51 | 9528.59 | 27.44 | 27.20 | 116.72 | -836.90 | 402.16 | 1489.19 | 1436.66 | 28.35 | |
| 9700.00 | 9628.59 | 9694.51 | 9628.59 | 27.61 | 27.37 | 116.72 | -836.90 | 402.16 | 1489.19 | 1436.30 | 28.15 | |
| 9800.00 | 9728.59 | 9794.51 | 9728.59 | 27.78 | 27.55 | 116.72 | -836.90 | 402.16 | 1489.19 | 1435.94 | 27.96 | |
| 9900.00 | 9828.59 | 9894.51 | 9828.59 | 27.96 | 27.73 | 116.72 | -836.90 | 402.16 | 1489.19 | 1435.58 | 27.78 | |
| | | | | | | | | | | | | |
| 10000.00 | 9928.59 | 9994.51 | 9928.59 | 28.13 | 27.91 | 116.72 | -836.90 | 402.16 | 1489.19 | 1435.21 | 27.59 | |
| 10100.00 | 10028.59 | 10094.51 | 10028.59 | 28.31 | 28.08 | 116.72 | -836.90 | 402.16 | 1489.19 | 1434.85 | 27.40 | |
| 10172.41 | 10101.00 | 10156.92 | 10091.00 | 28.43 | 28.20 | 116.72 | -836.90 | 402.16 | 1489.23 | 1434.64 | 27.28 | |