



Drilling Services

Proposal

BERRY PETROLEUM COMPANY

GRANLEE OMO3A

GARFIELD COUNTY, COLORADO

WELL FILE: **PLAN 1**

APRIL 12, 2008

Weatherford International Ltd.

2000 Oil Drive
Casper, Wyoming 82604
+1.307.265.1413 Main
+1.307.235.3958 Fax
www.weatherford.com



Berry Petroleum Company

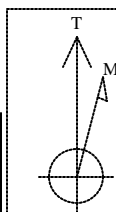
GRANLEE OMO3A
SEC 10 T6S R96W
251' FNL, 1818' FWL
GARFIELD COUNTY, COLORADO

| SECTION DETAILS | | | | | | | | | | |
|-----------------|----------|------|-------|----------|--------|--------|------|--------|--------|------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
| 1 | 0.00 | 0.00 | 80.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 350.00 | 0.00 | 80.69 | 350.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 700.69 | 8.77 | 80.69 | 699.32 | 4.33 | 26.42 | 2.50 | 80.69 | 26.78 | |
| 4 | 4610.40 | 8.77 | 80.69 | 4563.35 | 100.77 | 614.48 | 0.00 | 0.00 | 622.69 | |
| 5 | 5048.76 | 0.00 | 80.69 | 5000.00 | 106.19 | 647.52 | 2.00 | 180.00 | 656.16 | |
| 6 | 10610.76 | 0.00 | 80.69 | 10562.00 | 106.19 | 647.52 | 0.00 | 80.69 | 656.16 | PBHL OMO3A |

| WELL DETAILS | | | | | | | |
|----------------|-------|-------|------------|------------|---------------|----------------|------|
| Name | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| OMO3A C-10-696 | 7.48 | 88.99 | 1633497.89 | 2268033.90 | 39°32'38.454N | 108°05'45.314W | N/A |



KB ELEVATION: 8147'
GR ELEVATION: 8125'

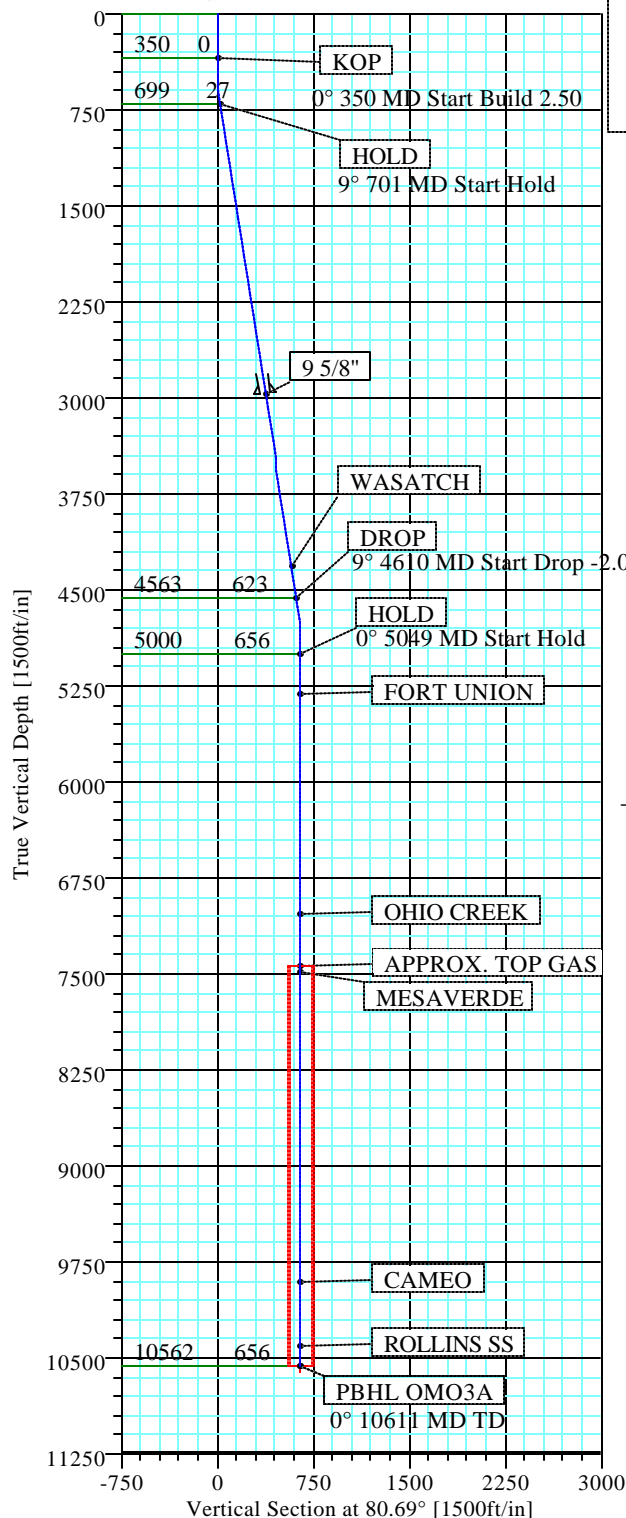


Azimuths to True North
Magnetic North: 10.83°

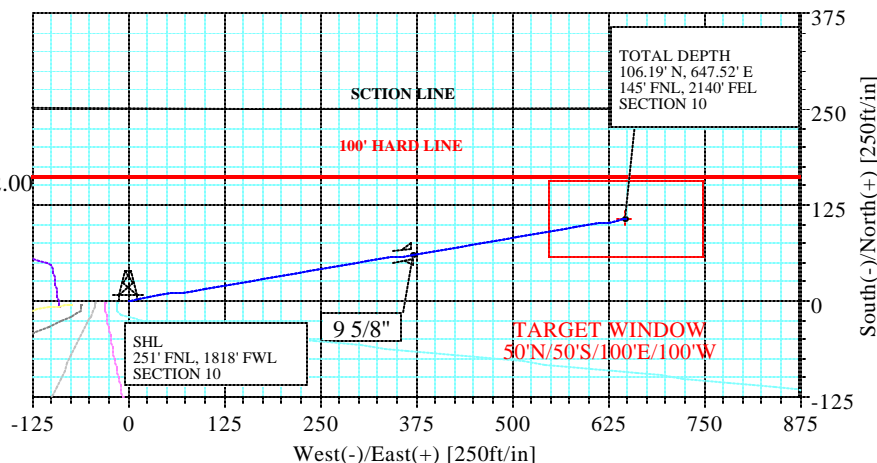
Magnetic Field
Strength: 52607nT
Dip Angle: 65.85°
Date: 6/10/2008
Model: bggm2007

TOTAL CORRECTION TRUE NORTH 10.83°

| FORMATION TOP DETAILS | | | |
|-----------------------|----------|----------|-----------------|
| No. | TVDPath | MDPath | Formation |
| 1 | 4307.00 | 4351.02 | WASATCH |
| 2 | 5317.00 | 5365.76 | FORT UNION |
| 3 | 7027.00 | 7075.76 | OHIO CREEK |
| 4 | 7437.00 | 7485.76 | APPROX. TOP GAS |
| 5 | 7487.00 | 7535.76 | MESAVERDE |
| 6 | 9912.00 | 9960.76 | CAMEO |
| 7 | 10412.00 | 10460.76 | ROLLINS SS |



-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.



| 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 | |
|---|----------------|
| GRANLEE C-10 696 SECTION 10-T6S-R96W | |
| Site Centre Latitude: | 39°32'38.380N |
| Longitude: | 108°05'46.450W |
| Ground Level: | 8125.00 |
| Positional Uncertainty: | 0.00 |
| Convergence: | -1.64 |

| LEGEND | |
|--------------------|--|
| OMO3B C-10 696 (1) | |
| OMO3C C-10 696 (1) | |
| OMO3D C-10 696 (1) | |
| OMO4A C-10 696 (1) | |
| OMO4D C-10 696 (1) | |
| OMO6B C-10 696 (1) | |
| Plan #2 | |



Weatherford®

Plan: Plan #2 (OMO3A C-10-696/1)

Created By: Tracy R. Williams

Date: 6/12/2008

| | | | |
|---|--|-----------------------|-------------------|
| Company: BERRY PETROLEUM COMPANY | Date: 6/11/2008 | Time: 16:26:00 | Page: 1 |
| Field: GARFIELD COUNTY (NAD 83) | Co-ordinate(NE) Reference: Well: OMO3A C-10-696, True North | | |
| Site: GRANLEE C-10 696 | Vertical (TVD) Reference: SITE 8147.0 | | |
| Well: OMO3A C-10-696 | Section (VS) Reference: Well (0.00N,0.00E,80.69Azi) | | |
| Wellpath: 1 | Survey Calculation Method: Minimum Curvature | | Db: Sybase |

| | |
|-----------------------|---------------------------------|
| Plan: Plan #2 | Date Composed: 6/10/2008 |
| Principal: Yes | Version: 1 |
| | Tied-to: From Surface |

Field: GARFIELD COUNTY (NAD 83)
COLORADO

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

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

Site: GRANLEE C-10 696
SECTION 10-T6S-R96W

| | | |
|--------------------------------------|--------------------------------|------------------------------------|
| Site Position: | Northing: 1633492.95 ft | Latitude: 39 32 38.380 N |
| From: Geographic | Easting: 2267944.74 ft | Longitude: 108 5 46.450 W |
| Position Uncertainty: 0.00 ft | | North Reference: True |
| Ground Level: 8125.00 ft | | Grid Convergence: -1.64 deg |

Well: OMO3A C-10-696

Slot Name:

| | | |
|--------------------------------------|--------------------------------|----------------------------------|
| Well Position: +N/-S 7.48 ft | Northing: 1633497.89 ft | Latitude: 39 32 38.454 N |
| +E/-W 88.99 ft | Easting: 2268033.90 ft | Longitude: 108 5 45.314 W |
| Position Uncertainty: 0.00 ft | | |

Wellpath: 1

| | | |
|---|---------------------------|---|
| Current Datum: SITE | Height: 8147.00 ft | Drilled From: Surface |
| Magnetic Data: 6/10/2008 | | Tie-on Depth: 0.00 ft |
| Field Strength: 52607 nT | | Above System Datum: Mean Sea Level |
| Vertical Section: Depth From (TVD) | | Declination: 10.83 deg |
| | +N/-S | Mag Dip Angle: 65.85 deg |
| | ft | +E/-W |
| | | Direction |
| | | deg |

| | | | |
|------|------|------|-------|
| 0.00 | 0.00 | 0.00 | 80.69 |
|------|------|------|-------|

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 | 80.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 350.00 | 0.00 | 80.69 | 350.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 700.69 | 8.77 | 80.69 | 699.32 | 4.33 | 26.42 | 2.50 | 2.50 | 0.00 | 80.69 | |
| 4610.40 | 8.77 | 80.69 | 4563.35 | 100.77 | 614.48 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5048.76 | 0.00 | 80.69 | 5000.00 | 106.19 | 647.52 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 10610.76 | 0.00 | 80.69 | 10562.00 | 106.19 | 647.52 | 0.00 | 0.00 | 0.00 | 80.69 | PBHL OMO3A |

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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|---------|
| 0.00 | 0.00 | 80.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 100.00 | 0.00 | 80.69 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 80.69 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.00 | 0.00 | 80.69 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 350.00 | 0.00 | 80.69 | 350.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | KOP |
| 400.00 | 1.25 | 80.69 | 400.00 | 0.09 | 0.54 | 0.55 | 2.50 | 2.50 | 0.00 | |
| 500.00 | 3.75 | 80.69 | 499.89 | 0.79 | 4.84 | 4.91 | 2.50 | 2.50 | 0.00 | |
| 600.00 | 6.25 | 80.69 | 599.50 | 2.20 | 13.44 | 13.62 | 2.50 | 2.50 | 0.00 | |
| 700.00 | 8.75 | 80.69 | 698.64 | 4.32 | 26.32 | 26.67 | 2.50 | 2.50 | 0.00 | HOLD |
| 700.69 | 8.77 | 80.69 | 699.32 | 4.33 | 26.42 | 26.78 | 2.50 | 2.50 | 0.00 | |
| 800.00 | 8.77 | 80.69 | 797.47 | 6.78 | 41.36 | 41.92 | 0.00 | 0.00 | 0.00 | |
| 900.00 | 8.77 | 80.69 | 896.30 | 9.25 | 56.40 | 57.16 | 0.00 | 0.00 | 0.00 | |
| 1000.00 | 8.77 | 80.69 | 995.14 | 11.72 | 71.44 | 72.40 | 0.00 | 0.00 | 0.00 | |
| 1100.00 | 8.77 | 80.69 | 1093.97 | 14.18 | 86.49 | 87.64 | 0.00 | 0.00 | 0.00 | |
| 1200.00 | 8.77 | 80.69 | 1192.80 | 16.65 | 101.53 | 102.88 | 0.00 | 0.00 | 0.00 | |

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: GRANLEE C-10 696
Well: OMO3A C-10-696
Wellpath: 1

Date: 6/11/2008 **Time:** 16:26:00 **Page:** 2
Co-ordinate(NE) Reference: Well: OMO3A C-10-696, True North
Vertical (TVD) Reference: SITE 8147.0
Section (VS) Reference: Well (0.00N,0.00E,80.69Azi)
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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|------------|
| 1300.00 | 8.77 | 80.69 | 1291.63 | 19.12 | 116.57 | 118.12 | 0.00 | 0.00 | 0.00 | |
| 1400.00 | 8.77 | 80.69 | 1390.46 | 21.58 | 131.61 | 133.37 | 0.00 | 0.00 | 0.00 | |
| 1500.00 | 8.77 | 80.69 | 1489.29 | 24.05 | 146.65 | 148.61 | 0.00 | 0.00 | 0.00 | |
| 1600.00 | 8.77 | 80.69 | 1588.13 | 26.52 | 161.69 | 163.85 | 0.00 | 0.00 | 0.00 | |
| 1700.00 | 8.77 | 80.69 | 1686.96 | 28.98 | 176.73 | 179.09 | 0.00 | 0.00 | 0.00 | |
| 1800.00 | 8.77 | 80.69 | 1785.79 | 31.45 | 191.77 | 194.33 | 0.00 | 0.00 | 0.00 | |
| 1900.00 | 8.77 | 80.69 | 1884.62 | 33.92 | 206.81 | 209.58 | 0.00 | 0.00 | 0.00 | |
| 2000.00 | 8.77 | 80.69 | 1983.45 | 36.38 | 221.85 | 224.82 | 0.00 | 0.00 | 0.00 | |
| 2100.00 | 8.77 | 80.69 | 2082.28 | 38.85 | 236.90 | 240.06 | 0.00 | 0.00 | 0.00 | |
| 2200.00 | 8.77 | 80.69 | 2181.12 | 41.32 | 251.94 | 255.30 | 0.00 | 0.00 | 0.00 | |
| 2300.00 | 8.77 | 80.69 | 2279.95 | 43.78 | 266.98 | 270.54 | 0.00 | 0.00 | 0.00 | |
| 2400.00 | 8.77 | 80.69 | 2378.78 | 46.25 | 282.02 | 285.79 | 0.00 | 0.00 | 0.00 | |
| 2500.00 | 8.77 | 80.69 | 2477.61 | 48.72 | 297.06 | 301.03 | 0.00 | 0.00 | 0.00 | |
| 2600.00 | 8.77 | 80.69 | 2576.44 | 51.18 | 312.10 | 316.27 | 0.00 | 0.00 | 0.00 | |
| 2700.00 | 8.77 | 80.69 | 2675.27 | 53.65 | 327.14 | 331.51 | 0.00 | 0.00 | 0.00 | |
| 2800.00 | 8.77 | 80.69 | 2774.10 | 56.11 | 342.18 | 346.75 | 0.00 | 0.00 | 0.00 | |
| 2900.00 | 8.77 | 80.69 | 2872.94 | 58.58 | 357.22 | 361.99 | 0.00 | 0.00 | 0.00 | |
| 3000.00 | 8.77 | 80.69 | 2971.77 | 61.05 | 372.26 | 377.24 | 0.00 | 0.00 | 0.00 | 9 5/8" |
| 3100.00 | 8.77 | 80.69 | 3070.60 | 63.51 | 387.31 | 392.48 | 0.00 | 0.00 | 0.00 | |
| 3200.00 | 8.77 | 80.69 | 3169.43 | 65.98 | 402.35 | 407.72 | 0.00 | 0.00 | 0.00 | |
| 3300.00 | 8.77 | 80.69 | 3268.26 | 68.45 | 417.39 | 422.96 | 0.00 | 0.00 | 0.00 | |
| 3400.00 | 8.77 | 80.69 | 3367.09 | 70.91 | 432.43 | 438.20 | 0.00 | 0.00 | 0.00 | |
| 3500.00 | 8.77 | 80.69 | 3465.93 | 73.38 | 447.47 | 453.45 | 0.00 | 0.00 | 0.00 | |
| 3600.00 | 8.77 | 80.69 | 3564.76 | 75.85 | 462.51 | 468.69 | 0.00 | 0.00 | 0.00 | |
| 3700.00 | 8.77 | 80.69 | 3663.59 | 78.31 | 477.55 | 483.93 | 0.00 | 0.00 | 0.00 | |
| 3800.00 | 8.77 | 80.69 | 3762.42 | 80.78 | 492.59 | 499.17 | 0.00 | 0.00 | 0.00 | |
| 3900.00 | 8.77 | 80.69 | 3861.25 | 83.25 | 507.63 | 514.41 | 0.00 | 0.00 | 0.00 | |
| 4000.00 | 8.77 | 80.69 | 3960.08 | 85.71 | 522.67 | 529.66 | 0.00 | 0.00 | 0.00 | |
| 4100.00 | 8.77 | 80.69 | 4058.92 | 88.18 | 537.72 | 544.90 | 0.00 | 0.00 | 0.00 | |
| 4200.00 | 8.77 | 80.69 | 4157.75 | 90.65 | 552.76 | 560.14 | 0.00 | 0.00 | 0.00 | |
| 4300.00 | 8.77 | 80.69 | 4256.58 | 93.11 | 567.80 | 575.38 | 0.00 | 0.00 | 0.00 | |
| 4351.02 | 8.77 | 80.69 | 4307.00 | 94.37 | 575.47 | 583.16 | 0.00 | 0.00 | 0.00 | WASATCH |
| 4400.00 | 8.77 | 80.69 | 4355.41 | 95.58 | 582.84 | 590.62 | 0.00 | 0.00 | 0.00 | |
| 4500.00 | 8.77 | 80.69 | 4454.24 | 98.05 | 597.88 | 605.87 | 0.00 | 0.00 | 0.00 | |
| 4600.00 | 8.77 | 80.69 | 4553.07 | 100.51 | 612.92 | 621.11 | 0.00 | 0.00 | 0.00 | |
| 4610.40 | 8.77 | 80.69 | 4563.35 | 100.77 | 614.48 | 622.69 | 0.00 | 0.00 | 0.00 | DROP |
| 4700.00 | 6.98 | 80.69 | 4652.10 | 102.76 | 626.59 | 634.96 | 2.00 | -2.00 | 0.00 | |
| 4800.00 | 4.98 | 80.69 | 4751.56 | 104.44 | 636.86 | 645.37 | 2.00 | -2.00 | 0.00 | |
| 4900.00 | 2.98 | 80.69 | 4851.31 | 105.56 | 643.71 | 652.30 | 2.00 | -2.00 | 0.00 | |
| 5000.00 | 0.98 | 80.69 | 4951.25 | 106.12 | 647.11 | 655.75 | 2.00 | -2.00 | 0.00 | |
| 5048.76 | 0.00 | 80.69 | 5000.00 | 106.19 | 647.52 | 656.16 | 2.00 | -2.00 | 0.00 | HOLD |
| 5100.00 | 0.00 | 80.69 | 5051.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5200.00 | 0.00 | 80.69 | 5151.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5300.00 | 0.00 | 80.69 | 5251.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5365.76 | 0.00 | 80.69 | 5317.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | FORT UNION |
| 5400.00 | 0.00 | 80.69 | 5351.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5500.00 | 0.00 | 80.69 | 5451.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5600.00 | 0.00 | 80.69 | 5551.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5700.00 | 0.00 | 80.69 | 5651.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5800.00 | 0.00 | 80.69 | 5751.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 5900.00 | 0.00 | 80.69 | 5851.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6000.00 | 0.00 | 80.69 | 5951.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6100.00 | 0.00 | 80.69 | 6051.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Site: GRANLEE C-10 696
Well: OMO3A C-10-696
Wellpath: 1

Date: 6/11/2008 **Time:** 16:26:00 **Page:** 3
Co-ordinate(NE) Reference: Well: OMO3A C-10-696, True North
Vertical (TVD) Reference: SITE 8147.0
Section (VS) Reference: Well (0.00N,0.00E,80.69Azi)
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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|-----------------|
| 6200.00 | 0.00 | 80.69 | 6151.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6300.00 | 0.00 | 80.69 | 6251.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6400.00 | 0.00 | 80.69 | 6351.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6500.00 | 0.00 | 80.69 | 6451.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6600.00 | 0.00 | 80.69 | 6551.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6700.00 | 0.00 | 80.69 | 6651.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6800.00 | 0.00 | 80.69 | 6751.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 6900.00 | 0.00 | 80.69 | 6851.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7000.00 | 0.00 | 80.69 | 6951.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7075.76 | 0.00 | 80.69 | 7027.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | OHIO CREEK |
| 7100.00 | 0.00 | 80.69 | 7051.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7200.00 | 0.00 | 80.69 | 7151.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7300.00 | 0.00 | 80.69 | 7251.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7400.00 | 0.00 | 80.69 | 7351.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7485.76 | 0.00 | 80.69 | 7437.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | APPROX. TOP GAS |
| 7500.00 | 0.00 | 80.69 | 7451.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7535.76 | 0.00 | 80.69 | 7487.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | MESAVERDE |
| 7600.00 | 0.00 | 80.69 | 7551.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7700.00 | 0.00 | 80.69 | 7651.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7800.00 | 0.00 | 80.69 | 7751.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 7900.00 | 0.00 | 80.69 | 7851.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8000.00 | 0.00 | 80.69 | 7951.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8100.00 | 0.00 | 80.69 | 8051.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8200.00 | 0.00 | 80.69 | 8151.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8300.00 | 0.00 | 80.69 | 8251.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8400.00 | 0.00 | 80.69 | 8351.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8500.00 | 0.00 | 80.69 | 8451.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8600.00 | 0.00 | 80.69 | 8551.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8700.00 | 0.00 | 80.69 | 8651.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8800.00 | 0.00 | 80.69 | 8751.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 8900.00 | 0.00 | 80.69 | 8851.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9000.00 | 0.00 | 80.69 | 8951.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9100.00 | 0.00 | 80.69 | 9051.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9200.00 | 0.00 | 80.69 | 9151.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9300.00 | 0.00 | 80.69 | 9251.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9400.00 | 0.00 | 80.69 | 9351.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9500.00 | 0.00 | 80.69 | 9451.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9600.00 | 0.00 | 80.69 | 9551.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9700.00 | 0.00 | 80.69 | 9651.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9800.00 | 0.00 | 80.69 | 9751.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9900.00 | 0.00 | 80.69 | 9851.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 9960.76 | 0.00 | 80.69 | 9912.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | CAMEO |
| 10000.00 | 0.00 | 80.69 | 9951.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10100.00 | 0.00 | 80.69 | 10051.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10200.00 | 0.00 | 80.69 | 10151.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10300.00 | 0.00 | 80.69 | 10251.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10400.00 | 0.00 | 80.69 | 10351.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10460.76 | 0.00 | 80.69 | 10412.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | ROLLINS SS |
| 10500.00 | 0.00 | 80.69 | 10451.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10600.00 | 0.00 | 80.69 | 10551.24 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | |
| 10609.76 | 0.00 | 80.69 | 10561.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | PBHL |
| 10610.76 | 0.00 | 80.69 | 10562.00 | 106.19 | 647.52 | 656.16 | 0.00 | 0.00 | 0.00 | PBHL OMO3A |

| | | | |
|---|--|-----------------------|-------------------|
| Company: BERRY PETROLEUM COMPANY | Date: 6/11/2008 | Time: 16:26:00 | Page: 4 |
| Field: GARFIELD COUNTY (NAD 83) | Co-ordinate(NE) Reference: Well: OMO3A C-10-696, True North | | |
| Site: GRANLEE C-10 696 | Vertical (TVD) Reference: SITE 8147.0 | | |
| Well: OMO3A C-10-696 | Section (VS) Reference: Well (0.00N,0.00E,80.69Azi) | | |
| 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 OMO3A | | 10562.00 | 106.19 | 647.52 | 1633585.53 | 2268684.18 | 39 | 32 | 39.503 N | 108 | 5 | 37.048 W |
| -Rectangle (100x200) | | | | | | | | | | | | |
| -Plan hit target | | | | | | | | | | | | |

Casing Points

| MD ft | TVD ft | Diameter in | Hole Size in | Name |
|----------|-----------|----------------|-----------------|--------|
| 3000.00 | 2971.77 | 9.625 | 12.250 | 9 5/8" |

Annotation

| MD ft | TVD ft | |
|----------|-----------|------|
| 350.00 | 350.00 | KOP |
| 700.00 | 698.64 | HOLD |
| 4610.40 | 4563.35 | DROP |
| 5048.76 | 5000.00 | HOLD |
| 10609.76 | 10561.00 | PBHL |

Formations

| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
|----------|-----------|-----------------|-----------|------------------|----------------------|
| 4351.02 | 4307.00 | WASATCH | | 0.00 | 0.00 |
| 5365.76 | 5317.00 | FORT UNION | | 0.00 | 0.00 |
| 7075.76 | 7027.00 | OHIO CREEK | | 0.00 | 0.00 |
| 7485.76 | 7437.00 | APPROX. TOP GAS | | 0.00 | 0.00 |
| 7535.76 | 7487.00 | MESAVERDE | | 0.00 | 0.00 |
| 9960.76 | 9912.00 | CAMEO | | 0.00 | 0.00 |
| 10460.76 | 10412.00 | ROLLINS SS | | 0.00 | 0.00 |

| | | | | | | | |
|----------------------------|--------------------------|-----------------------------------|----------------------------------|--------------|----------|--------------|---|
| Company: | BERRY PETROLEUM COMPANY | Date: | 6/11/2008 | Time: | 16:22:42 | Page: | 1 |
| Field: | GARFIELD COUNTY (NAD 83) | | | | | | |
| Reference Site: | GRANLEE C-10 696 | Co-ordinate(NE) Reference: | Well: OMO3A C-10-696, True North | | | | |
| Reference Well: | OMO3A C-10-696 | Vertical (TVD) Reference: | SITE 8147.0 | | | | |
| Reference Wellpath: | | Db: | Sybase | | | | |

| | | |
|---|-----------------------|---------------------|
| NO GLOBAL SCAN: Using user defined selection & scan criteria | Reference: | Plan: Plan #2 |
| Interpolation Method: MD | Error Model: | ISCWSA Ellipse |
| Interval: 100.00 ft | Scan Method: | Closest Approach 3D |
| Depth Range: 0.00 to 10610.76 ft | Error Surface: | Ellipse |
| Maximum Radius: 10000.00 ft | | |

| | | | |
|-------------------|---------|-----------------------|--------------|
| Plan: | Plan #2 | Date Composed: | 6/10/2008 |
| Principal: | Yes | Version: | 1 |
| | | 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 |
|------------------|-----------------|-----------------------|----------|--------------------|-----------------|------------------------|---------------------|-------------------|---------|
| GRANLEE C-10 696 | OMO3D C-10-696 | 1 V0 Plan: Plan #3 V1 | | 1700.00 | 1706.24 | 76.18 | 66.08 | 7.54 | |

Site: GRANLEE C-10 696
Well: OMO3D C-10-696
Wellpath: 1 V0 Plan: Plan #3 V1

Inter-Site Error: 0.00 ft

| Reference MD ft | Reference TVD ft | Offset MD ft | Offset TVD ft | Semi-Major Axis Ref ft | Semi-Major Axis Offset ft | Semi-Major Axis TFO-HS deg | Offset Location North ft | Offset Location East ft | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|--------------------|---------------------|-----------------|------------------|---------------------------|------------------------------|-------------------------------|-----------------------------|----------------------------|------------------------|---------------------|-------------------|---------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 262.73 | -1.91 | -15.00 | 15.12 | | | No Data |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.09 | 0.09 | 262.73 | -1.91 | -15.00 | 15.12 | 14.94 | 86.23 | |
| 200.00 | 200.00 | 199.99 | 199.98 | 0.31 | 0.29 | 261.42 | -2.26 | -15.00 | 15.17 | 14.56 | 25.05 | |
| 300.00 | 300.00 | 299.96 | 299.95 | 0.54 | 0.50 | 257.56 | -3.31 | -15.00 | 15.36 | 14.32 | 14.76 | |
| 400.00 | 400.00 | 399.91 | 399.89 | 0.76 | 0.72 | 171.00 | -5.05 | -15.00 | 16.36 | 14.88 | 11.01 | |
| 500.00 | 499.89 | 499.71 | 499.66 | 0.99 | 0.95 | 166.61 | -7.49 | -15.00 | 21.50 | 19.56 | 11.08 | |
| 600.00 | 599.50 | 599.16 | 599.06 | 1.24 | 1.18 | 164.95 | -10.61 | -15.00 | 31.20 | 28.80 | 13.01 | |
| 700.00 | 698.64 | 699.56 | 699.38 | 1.51 | 1.40 | 164.24 | -14.10 | -13.27 | 43.67 | 40.81 | 15.29 | |
| 800.00 | 797.47 | 800.49 | 800.10 | 1.83 | 1.62 | 162.99 | -17.56 | -7.98 | 55.09 | 51.76 | 16.57 | |
| 900.00 | 896.30 | 901.99 | 901.16 | 2.16 | 1.86 | 160.74 | -21.00 | 0.91 | 63.39 | 59.57 | 16.60 | |
| 1000.00 | 995.14 | 1003.84 | 1002.17 | 2.50 | 2.12 | 157.52 | -24.40 | 13.42 | 68.71 | 64.36 | 15.81 | |
| 1100.00 | 1093.97 | 1105.76 | 1102.75 | 2.84 | 2.43 | 153.18 | -27.74 | 29.53 | 71.27 | 66.34 | 14.48 | |
| 1200.00 | 1192.80 | 1207.51 | 1202.52 | 3.19 | 2.78 | 147.34 | -31.03 | 49.17 | 71.47 | 65.89 | 12.81 | |
| 1300.00 | 1291.63 | 1308.82 | 1301.11 | 3.54 | 3.19 | 139.48 | -34.23 | 72.24 | 70.00 | 63.65 | 11.02 | |
| 1400.00 | 1390.46 | 1409.44 | 1398.17 | 3.89 | 3.66 | 129.02 | -37.35 | 98.59 | 67.99 | 60.72 | 9.35 | |
| 1500.00 | 1489.29 | 1508.87 | 1493.19 | 4.25 | 4.18 | 115.89 | -40.37 | 127.71 | 67.26 | 58.95 | 8.10 | |
| 1600.00 | 1588.13 | 1607.56 | 1587.31 | 4.61 | 4.74 | 102.73 | -43.36 | 157.22 | 70.02 | 60.74 | 7.54 | |
| 1700.00 | 1686.96 | 1706.24 | 1681.43 | 4.96 | 5.31 | 91.09 | -46.34 | 186.73 | 76.18 | 66.08 | 7.54 | |
| 1800.00 | 1785.79 | 1804.93 | 1775.55 | 5.32 | 5.89 | 81.50 | -49.33 | 216.24 | 85.02 | 74.24 | 7.89 | |
| 1900.00 | 1884.62 | 1903.61 | 1869.68 | 5.68 | 6.48 | 73.85 | -52.31 | 245.75 | 95.78 | 84.42 | 8.43 | |
| 2000.00 | 1983.45 | 2002.30 | 1963.80 | 6.04 | 7.08 | 67.81 | -55.29 | 275.26 | 107.90 | 95.99 | 9.06 | |
| 2100.00 | 2082.28 | 2100.98 | 2057.92 | 6.40 | 7.68 | 63.02 | -58.28 | 304.77 | 120.97 | 108.54 | 9.73 | |
| 2200.00 | 2181.12 | 2199.67 | 2152.04 | 6.76 | 8.29 | 59.18 | -61.26 | 334.28 | 134.72 | 121.76 | 10.40 | |
| 2300.00 | 2279.95 | 2298.35 | 2246.17 | 7.12 | 8.90 | 56.06 | -64.25 | 363.79 | 148.95 | 135.47 | 11.05 | |
| 2400.00 | 2378.78 | 2397.04 | 2340.29 | 7.48 | 9.51 | 53.48 | -67.23 | 393.30 | 163.54 | 149.52 | 11.67 | |
| 2500.00 | 2477.61 | 2495.72 | 2434.41 | 7.84 | 10.12 | 51.33 | -70.22 | 422.82 | 178.40 | 163.85 | 12.26 | |
| 2600.00 | 2576.44 | 2594.41 | 2528.53 | 8.20 | 10.74 | 49.51 | -73.20 | 452.33 | 193.47 | 178.37 | 12.82 | |
| 2700.00 | 2675.27 | 2693.09 | 2622.65 | 8.56 | 11.35 | 47.95 | -76.19 | 481.84 | 208.70 | 193.05 | 13.34 | |
| 2800.00 | 2774.10 | 2791.78 | 2716.78 | 8.92 | 11.97 | 46.61 | -79.17 | 511.35 | 224.06 | 207.86 | 13.83 | |
| 2900.00 | 2872.94 | 2890.46 | 2810.90 | 9.29 | 12.59 | 45.44 | -82.15 | 540.86 | 239.53 | 222.77 | 14.29 | |
| 3000.00 | 2971.77 | 2989.15 | 2905.02 | 9.65 | 13.21 | 44.41 | -85.14 | 570.37 | 255.09 | 237.76 | 14.72 | |
| 3100.00 | 3070.60 | 3087.84 | 2999.14 | 10.01 | 13.83 | 43.50 | -88.12 | 599.88 | 270.72 | 252.81 | 15.12 | |
| 3200.00 | 3169.43 | 3186.52 | 3093.27 | 10.37 | 14.45 | 42.69 | -91.11 | 629.39 | 286.40 | 267.92 | 15.50 | |
| 3300.00 | 3268.26 | 3285.21 | 3187.39 | 10.73 | 15.07 | 41.96 | -94.09 | 658.90 | 302.14 | 283.08 | 15.86 | |
| 3400.00 | 3367.09 | 3383.89 | 3281.51 | 11.09 | 15.69 | 41.30 | -97.08 | 688.41 | 317.92 | 298.28 | 16.19 | |
| 3500.00 | 3465.93 | 3482.58 | 3375.63 | 11.46 | 16.32 | 40.71 | -100.06 | 717.92 | 333.73 | 313.52 | 16.51 | |

Company: BERRY PETROLEUM COMPANY
Field: GARFIELD COUNTY (NAD 83)
Reference Site: GRANLEE C-10 696
Reference Well: OMO3A C-10-696
Reference Wellpath:

Date: 6/11/2008
Time: 16:22:42
Page: 2

Co-ordinate(Ne) Reference: Well: OMO3A C-10-696, True North
Vertical (TVD) Reference: SITE 8147.0
Db: Sybase

Site: GRANLEE C-10 696
Well: OMO3D C-10-696
Wellpath: 1 V0 Plan: Plan #3 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 | | |
| 3600.00 | 3564.76 | 3581.26 | 3469.75 | 11.82 | 16.94 | 40.17 | -103.05 | 747.43 | 349.58 | 328.78 | 16.81 | |
| 3700.00 | 3663.59 | 3679.95 | 3563.88 | 12.18 | 17.56 | 39.68 | -106.03 | 776.94 | 365.46 | 344.07 | 17.09 | |
| 3800.00 | 3762.42 | 3778.63 | 3658.00 | 12.54 | 18.19 | 39.23 | -109.02 | 806.45 | 381.36 | 359.38 | 17.36 | |
| 3900.00 | 3861.25 | 3877.32 | 3752.12 | 12.91 | 18.81 | 38.81 | -112.00 | 835.96 | 397.28 | 374.72 | 17.61 | |
| 4000.00 | 3960.08 | 3976.00 | 3846.24 | 13.27 | 19.43 | 38.43 | -114.98 | 865.47 | 413.22 | 390.07 | 17.85 | |
| 4100.00 | 4058.92 | 4085.34 | 3950.93 | 13.63 | 19.98 | 38.11 | -118.16 | 896.83 | 428.02 | 404.28 | 18.03 | |
| 4200.00 | 4157.75 | 4196.17 | 4057.93 | 13.99 | 20.47 | 37.97 | -121.06 | 925.57 | 440.20 | 415.86 | 18.08 | |
| 4300.00 | 4256.58 | 4307.65 | 4166.36 | 14.35 | 20.92 | 38.01 | -123.67 | 951.36 | 449.73 | 424.78 | 18.02 | |
| 4400.00 | 4355.41 | 4419.62 | 4275.96 | 14.72 | 21.33 | 38.20 | -125.97 | 974.07 | 456.58 | 431.01 | 17.86 | |
| 4500.00 | 4454.24 | 4531.86 | 4386.47 | 15.08 | 21.69 | 38.56 | -127.95 | 993.63 | 460.74 | 434.56 | 17.59 | |
| 4600.00 | 4553.07 | 4644.19 | 4497.59 | 15.44 | 22.01 | 39.07 | -129.60 | 1009.96 | 462.24 | 435.42 | 17.24 | |
| 4700.00 | 4652.10 | 4756.49 | 4609.11 | 15.75 | 22.28 | 39.62 | -130.92 | 1023.02 | 462.18 | 434.78 | 16.87 | |
| 4800.00 | 4751.56 | 4868.77 | 4720.96 | 15.98 | 22.51 | 40.04 | -131.91 | 1032.82 | 462.14 | 434.28 | 16.58 | |
| 4900.00 | 4851.31 | 4981.05 | 4833.04 | 16.16 | 22.69 | 40.32 | -132.57 | 1039.34 | 462.13 | 433.88 | 16.36 | |
| 5000.00 | 4951.25 | 5093.32 | 4945.26 | 16.32 | 22.83 | 40.46 | -132.90 | 1042.58 | 462.13 | 433.59 | 16.19 | |
| 5100.00 | 5051.24 | 5199.31 | 5051.24 | 16.45 | 22.94 | 121.16 | -132.94 | 1042.97 | 462.13 | 431.72 | 15.19 | |
| 5200.00 | 5151.24 | 5299.31 | 5151.24 | 16.60 | 23.04 | 121.16 | -132.94 | 1042.97 | 462.13 | 431.41 | 15.04 | |
| 5300.00 | 5251.24 | 5399.31 | 5251.24 | 16.75 | 23.14 | 121.16 | -132.94 | 1042.97 | 462.13 | 431.11 | 14.90 | |
| 5400.00 | 5351.24 | 5499.31 | 5351.24 | 16.90 | 23.24 | 121.16 | -132.94 | 1042.97 | 462.13 | 430.80 | 14.75 | |
| 5500.00 | 5451.24 | 5599.31 | 5451.24 | 17.05 | 23.34 | 121.16 | -132.94 | 1042.97 | 462.13 | 430.48 | 14.60 | |
| 5600.00 | 5551.24 | 5699.31 | 5551.24 | 17.21 | 23.45 | 121.16 | -132.94 | 1042.97 | 462.13 | 430.17 | 14.46 | |
| 5700.00 | 5651.24 | 5799.31 | 5651.24 | 17.36 | 23.56 | 121.16 | -132.94 | 1042.97 | 462.13 | 429.85 | 14.31 | |
| 5800.00 | 5751.24 | 5899.31 | 5751.24 | 17.52 | 23.67 | 121.16 | -132.94 | 1042.97 | 462.13 | 429.52 | 14.17 | |
| 5900.00 | 5851.24 | 5999.31 | 5851.24 | 17.68 | 23.78 | 121.16 | -132.94 | 1042.97 | 462.13 | 429.20 | 14.03 | |
| 6000.00 | 5951.24 | 6099.31 | 5951.24 | 17.84 | 23.89 | 121.16 | -132.94 | 1042.97 | 462.13 | 428.87 | 13.89 | |
| 6100.00 | 6051.24 | 6199.31 | 6051.24 | 18.01 | 24.01 | 121.16 | -132.94 | 1042.97 | 462.13 | 428.53 | 13.75 | |
| 6200.00 | 6151.24 | 6299.31 | 6151.24 | 18.17 | 24.12 | 121.16 | -132.94 | 1042.97 | 462.13 | 428.20 | 13.62 | |
| 6300.00 | 6251.24 | 6399.31 | 6251.24 | 18.34 | 24.24 | 121.16 | -132.94 | 1042.97 | 462.13 | 427.86 | 13.49 | |
| 6400.00 | 6351.24 | 6499.31 | 6351.24 | 18.50 | 24.36 | 121.16 | -132.94 | 1042.97 | 462.13 | 427.52 | 13.35 | |
| 6500.00 | 6451.24 | 6599.31 | 6451.24 | 18.67 | 24.48 | 121.16 | -132.94 | 1042.97 | 462.13 | 427.18 | 13.22 | |
| 6600.00 | 6551.24 | 6699.31 | 6551.24 | 18.84 | 24.60 | 121.16 | -132.94 | 1042.97 | 462.13 | 426.84 | 13.09 | |
| 6700.00 | 6651.24 | 6799.31 | 6651.24 | 19.01 | 24.72 | 121.16 | -132.94 | 1042.97 | 462.13 | 426.49 | 12.97 | |
| 6800.00 | 6751.24 | 6899.31 | 6751.24 | 19.18 | 24.85 | 121.16 | -132.94 | 1042.97 | 462.13 | 426.14 | 12.84 | |
| 6900.00 | 6851.24 | 6999.31 | 6851.24 | 19.35 | 24.97 | 121.16 | -132.94 | 1042.97 | 462.13 | 425.79 | 12.72 | |
| 7000.00 | 6951.24 | 7099.31 | 6951.24 | 19.53 | 25.10 | 121.16 | -132.94 | 1042.97 | 462.13 | 425.43 | 12.59 | |
| 7100.00 | 7051.24 | 7199.31 | 7051.24 | 19.70 | 25.23 | 121.16 | -132.94 | 1042.97 | 462.13 | 425.08 | 12.47 | |
| 7200.00 | 7151.24 | 7299.31 | 7151.24 | 19.88 | 25.36 | 121.16 | -132.94 | 1042.97 | 462.13 | 424.72 | 12.35 | |
| 7300.00 | 7251.24 | 7399.31 | 7251.24 | 20.05 | 25.49 | 121.16 | -132.94 | 1042.97 | 462.13 | 424.36 | 12.24 | |
| 7400.00 | 7351.24 | 7499.31 | 7351.24 | 20.23 | 25.62 | 121.16 | -132.94 | 1042.97 | 462.13 | 424.00 | 12.12 | |
| 7500.00 | 7451.24 | 7599.31 | 7451.24 | 20.41 | 25.76 | 121.16 | -132.94 | 1042.97 | 462.13 | 423.64 | 12.00 | |
| 7600.00 | 7551.24 | 7699.31 | 7551.24 | 20.59 | 25.89 | 121.16 | -132.94 | 1042.97 | 462.13 | 423.27 | 11.89 | |
| 7700.00 | 7651.24 | 7799.31 | 7651.24 | 20.77 | 26.03 | 121.16 | -132.94 | 1042.97 | 462.13 | 422.90 | 11.78 | |
| 7800.00 | 7751.24 | 7899.31 | 7751.24 | 20.95 | 26.17 | 121.16 | -132.94 | 1042.97 | 462.13 | 422.54 | 11.67 | |
| 7900.00 | 7851.24 | 7999.31 | 7851.24 | 21.13 | 26.30 | 121.16 | -132.94 | 1042.97 | 462.13 | 422.16 | 11.56 | |
| 8000.00 | 7951.24 | 8099.31 | 7951.24 | 21.32 | 26.44 | 121.16 | -132.94 | 1042.97 | 462.13 | 421.79 | 11.46 | |
| 8100.00 | 8051.24 | 8199.31 | 8051.24 | 21.50 | 26.59 | 121.16 | -132.94 | 1042.97 | 462.13 | 421.42 | 11.35 | |
| 8200.00 | 8151.24 | 8299.31 | 8151.24 | 21.68 | 26.73 | 121.16 | -132.94 | 1042.97 | 462.13 | 421.04 | 11.25 | |
| 8300.00 | 8251.24 | 8399.31 | 8251.24 | 21.87 | 26.87 | 121.16 | -132.94 | 1042.97 | 462.13 | 420.67 | 11.15 | |
| 8400.00 | 8351.24 | 8499.31 | 8351.24 | 22.05 | 27.02 | 121.16 | -132.94 | 1042.97 | 462.13 | 420.29 | 11.04 | |
| 8500.00 | 8451.24 | 8599.31 | 8451.24 | 22.24 | 27.16 | 121.16 | -132.94 | 1042.97 | 462.13 | 419.91 | 10.95 | |
| 8600.00 | 8551.24 | 8699.31 | 8551.24 | 22.43 | 27.31 | 121.16 | -132.94 | 1042.97 | 462.13 | 419.53 | 10.85 | |

| | | |
|---|---|-------------------------------------|
| Company: BERRY PETROLEUM COMPANY Field: GARFIELD COUNTY (NAD 83) Reference Site: GRANLEE C-10 696 Reference Well: OMO3A C-10-696 Reference Wellpath: | Date: 6/11/2008 Time: 16:22:42 Co-ordinate(NE) Reference: Well: OMO3A C-10-696, True North Vertical (TVD) Reference: SITE 8147.0 | Page: 3 Db: Sybase |
|---|---|-------------------------------------|

Site: GRANLEE C-10 696
Well: OMO3D C-10-696
Wellpath: 1 V0 Plan: Plan #3 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 | 8651.24 | 8799.31 | 8651.24 | 22.62 | 27.46 | 121.16 | -132.94 | 1042.97 | 462.13 | 419.15 | 10.75 | |
| 8800.00 | 8751.24 | 8899.31 | 8751.24 | 22.80 | 27.60 | 121.16 | -132.94 | 1042.97 | 462.13 | 418.76 | 10.66 | |
| 8900.00 | 8851.24 | 8999.31 | 8851.24 | 22.99 | 27.75 | 121.16 | -132.94 | 1042.97 | 462.13 | 418.38 | 10.56 | |
| 9000.00 | 8951.24 | 9099.31 | 8951.24 | 23.18 | 27.91 | 121.16 | -132.94 | 1042.97 | 462.13 | 417.99 | 10.47 | |
| 9100.00 | 9051.24 | 9199.31 | 9051.24 | 23.37 | 28.06 | 121.16 | -132.94 | 1042.97 | 462.13 | 417.61 | 10.38 | |
| 9200.00 | 9151.24 | 9299.31 | 9151.24 | 23.57 | 28.21 | 121.16 | -132.94 | 1042.97 | 462.13 | 417.22 | 10.29 | |
| 9300.00 | 9251.24 | 9399.31 | 9251.24 | 23.76 | 28.36 | 121.16 | -132.94 | 1042.97 | 462.13 | 416.83 | 10.20 | |
| 9400.00 | 9351.24 | 9499.31 | 9351.24 | 23.95 | 28.52 | 121.16 | -132.94 | 1042.97 | 462.13 | 416.44 | 10.11 | |
| 9500.00 | 9451.24 | 9599.31 | 9451.24 | 24.14 | 28.67 | 121.16 | -132.94 | 1042.97 | 462.13 | 416.05 | 10.03 | |
| 9600.00 | 9551.24 | 9699.31 | 9551.24 | 24.34 | 28.83 | 121.16 | -132.94 | 1042.97 | 462.13 | 415.65 | 9.94 | |
| 9700.00 | 9651.24 | 9799.31 | 9651.24 | 24.53 | 28.99 | 121.16 | -132.94 | 1042.97 | 462.13 | 415.26 | 9.86 | |
| 9800.00 | 9751.24 | 9899.31 | 9751.24 | 24.72 | 29.15 | 121.16 | -132.94 | 1042.97 | 462.13 | 414.86 | 9.78 | |
| 9900.00 | 9851.24 | 9999.31 | 9851.24 | 24.92 | 29.31 | 121.16 | -132.94 | 1042.97 | 462.13 | 414.47 | 9.70 | |
| 10000.00 | 9951.24 | 10099.31 | 9951.24 | 25.11 | 29.47 | 121.16 | -132.94 | 1042.97 | 462.13 | 414.07 | 9.62 | |
| 10100.00 | 10051.24 | 10199.31 | 10051.24 | 25.31 | 29.63 | 121.16 | -132.94 | 1042.97 | 462.13 | 413.68 | 9.54 | |
| 10200.00 | 10151.24 | 10299.31 | 10151.24 | 25.51 | 29.79 | 121.16 | -132.94 | 1042.97 | 462.13 | 413.28 | 9.46 | |
| 10300.00 | 10251.24 | 10399.31 | 10251.24 | 25.70 | 29.95 | 121.16 | -132.94 | 1042.97 | 462.13 | 412.88 | 9.38 | |
| 10400.00 | 10351.24 | 10499.31 | 10351.24 | 25.90 | 30.11 | 121.16 | -132.94 | 1042.97 | 462.13 | 412.48 | 9.31 | |
| 10500.00 | 10451.24 | 10599.31 | 10451.24 | 26.10 | 30.28 | 121.16 | -132.94 | 1042.97 | 462.13 | 412.08 | 9.23 | |
| 10600.00 | 10551.24 | 10699.31 | 10551.24 | 26.30 | 30.44 | 121.16 | -132.94 | 1042.97 | 462.13 | 411.67 | 9.16 | |
| 10610.76 | 10562.00 | 10695.06 | 10547.00 | 26.32 | 30.44 | 121.16 | -132.94 | 1042.97 | 462.38 | 411.90 | 9.16 | |