



## **Drilling Services**

---

## **Proposal**

---

### **BERRY PETROLEUM COMPANY**

GRANLEE OMO3D

GARFIELD COUNTY, COLORADO

WELL FILE: **PLAN 3**

JUNE 12, 2008

---

**Weatherford International Ltd.**

2000 Oil Drive  
Casper, Wyoming 82604  
+1.307.265.1413 Main  
+1.307.235.3958 Fax  
[www.weatherford.com](http://www.weatherford.com)

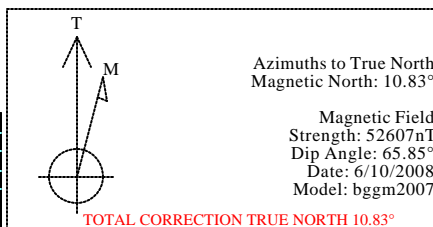
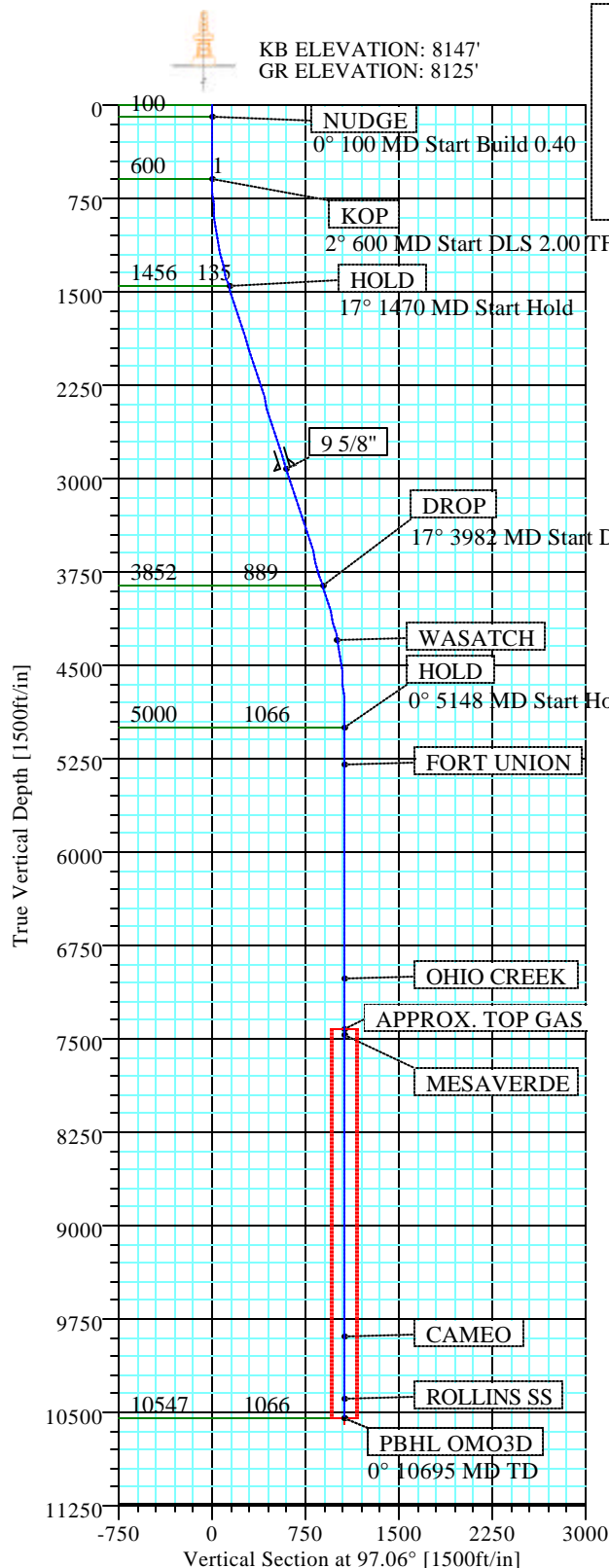


# Berry Petroleum Company

GRANLEE OMO3D  
SEC 10 T6S R96W  
253' FNL, 1803' FWL  
GARFIELD COUNTY, COLORADO

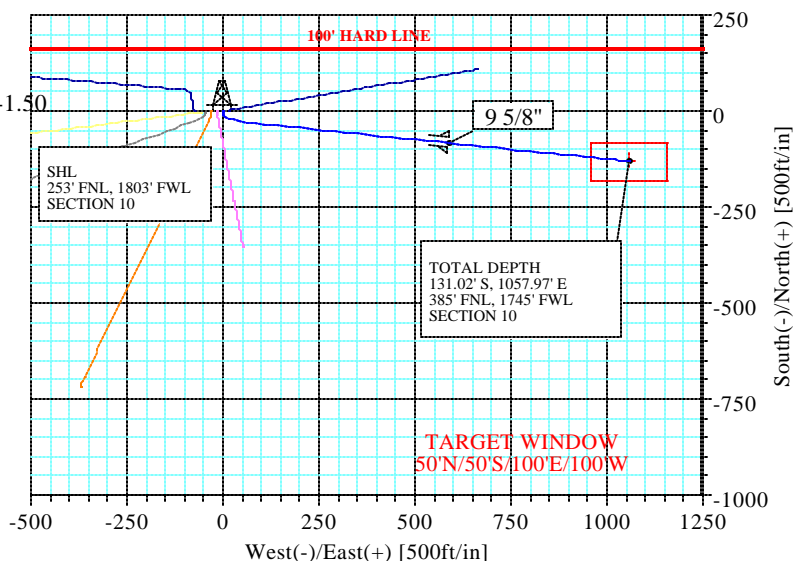
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	
3	600.00	2.00	180.00	599.90	-8.73	0.00	0.40	180.00	1.07	
4	1470.03	17.49	95.78	1456.14	-37.28	131.09	2.00	-90.59	134.68	
5	3981.98	17.49	95.78	3851.95	-113.25	882.25	0.00	0.00	889.48	
6	5148.06	0.00	0.00	5000.00	-131.02	1057.97	1.50	180.00	1066.05	
7	10695.06	0.00	0.00	10547.00	-131.02	1057.97	0.00	0.00	1066.05	PBHL OMO3D

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
OMO3D C-10-696	5.57	73.99	1633496.41	2268018.85	39°32'38.435N	108°05'45.505W	N/A



FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	4292.00	4435.94	WASATCH
2	5302.00	5450.06	FORT UNION
3	7012.00	7160.06	OHIO CREEK
4	7422.00	7570.06	APPROX. TOP GAS
5	7472.00	7620.06	MESAVERDE
6	9897.00	10045.06	CAMEO
7	10397.00	10545.06	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	
OMO3A C-10-696 (1)	
OMO3B C-10-696 (1)	
OMO3C C-10-696 (1)	
OMO4A C-10-696 (1)	
OMO4D C-10-696 (1)	
OMO6B C-10-696 (1)	
Plan #3	



Plan: Plan #3 (OMO3D C-10-696/1)

Created By: Tracy R. Williams

Date: 6/12/2008

<b>Company:</b> BERRY PETROLEUM COMPANY <b>Field:</b> GARFIELD COUNTY (NAD 83) <b>Site:</b> GRANLEE C-10 696 <b>Well:</b> OMO3D C-10-696 <b>Wellpath:</b> 1	<b>Date:</b> 6/11/2008 <b>Time:</b> 16:10:07 <b>Page:</b> 1 <b>Co-ordinate(NE) Reference:</b> Well: OMO3D C-10-696, True North <b>Vertical (TVD) Reference:</b> SITE 8147.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,97.06Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	--

<b>Plan:</b> Plan #3  <b>Principal:</b> Yes	<b>Date Composed:</b> 6/10/2008 <b>Version:</b> 1 <b>Tied-to:</b> From Surface
---	--

**Field:** GARFIELD COUNTY (NAD 83)  
COLORADO

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

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

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

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

**Well:** OMO3D C-10-696

**Slot Name:**

<b>Well Position:</b> +N/-S 5.57 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Northing:</b> 1633496.41 ft <b>Easting:</b> 2268018.85 ft	<b>Latitude:</b> 39 32 38.435 N <b>Longitude:</b> 108 5 45.505 W
---	---	---

**Wellpath:** 1

**Current Datum:** SITE  
**Magnetic Data:** 6/10/2008  
**Field Strength:** 52607 nT  
**Vertical Section: Depth From (TVD)**

**Height** 8147.00 ft

**Drilled From:** Surface  
**Tie-on Depth:** 0.00 ft  
**Above System Datum:** Mean Sea Level  
**Declination:** 10.83 deg  
**Mag Dip Angle:** 65.85 deg  
**+E/-W**      **Direction**  
                                  deg

0.00	0.00	0.00	97.06
------	------	------	-------

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	2.00	180.00	599.90	-8.73	0.00	0.40	0.40	0.00	180.00	
1470.03	17.49	95.78	1456.14	-37.28	131.09	2.00	1.78	-9.68	-90.59	
3981.98	17.49	95.78	3851.95	-113.25	882.25	0.00	0.00	0.00	0.00	
5148.06	0.00	0.00	5000.00	-131.02	1057.97	1.50	-1.50	0.00	180.00	
10695.06	0.00	0.00	10547.00	-131.02	1057.97	0.00	0.00	0.00	0.00	PBHL OMO3D

### 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	NUDGE
200.00	0.40	180.00	200.00	-0.35	0.00	0.04	0.40	0.40	0.00	
300.00	0.80	180.00	299.99	-1.40	0.00	0.17	0.40	0.40	0.00	
400.00	1.20	180.00	399.98	-3.14	0.00	0.39	0.40	0.40	0.00	
500.00	1.60	180.00	499.95	-5.58	0.00	0.69	0.40	0.40	0.00	
600.00	2.00	180.00	599.90	-8.73	0.00	1.07	0.40	0.40	0.00	KOP
700.00	2.81	134.69	699.82	-12.20	1.75	3.23	2.00	0.81	-45.31	
800.00	4.45	116.05	799.62	-15.63	6.98	8.85	2.00	1.64	-18.64	
900.00	6.30	107.84	899.17	-19.02	15.69	17.91	2.00	1.85	-8.21	
1000.00	8.22	103.39	998.37	-22.36	27.88	30.41	2.00	1.92	-4.45	
1100.00	10.18	100.63	1097.08	-25.64	43.52	46.34	2.00	1.95	-2.76	
1200.00	12.14	98.75	1195.18	-28.87	62.60	65.67	2.00	1.97	-1.88	
1300.00	14.12	97.39	1292.56	-32.04	85.09	88.39	2.00	1.98	-1.36	
1400.00	16.10	96.36	1389.10	-35.15	110.97	114.45	2.00	1.98	-1.03	

Company: BERRY PETROLEUM COMPANY  
 Field: GARFIELD COUNTY (NAD 83)  
 Site: GRANLEE C-10 696  
 Well: OMO3D C-10-696  
 Wellpath: 1

Date: 6/11/2008 Time: 16:10:07 Page: 2  
 Co-ordinate(N/E) Reference: Well: OMO3D C-10-696, True North  
 Vertical (TVD) Reference: SITE 8147.0  
 Section (VS) Reference: Well (0.00N,0.00E,97.06Azi)  
 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
1470.03	17.49	95.78	1456.14	-37.28	131.09	134.68	2.00	1.99	-0.84	HOLD
1500.00	17.49	95.78	1484.73	-38.19	140.06	143.69	0.00	0.00	0.00	
1600.00	17.49	95.78	1580.10	-41.21	169.96	173.74	0.00	0.00	0.00	
1700.00	17.49	95.78	1675.48	-44.24	199.86	203.78	0.00	0.00	0.00	
1800.00	17.49	95.78	1770.85	-47.26	229.77	233.83	0.00	0.00	0.00	
1900.00	17.49	95.78	1866.23	-50.29	259.67	263.88	0.00	0.00	0.00	
2000.00	17.49	95.78	1961.61	-53.31	289.57	293.93	0.00	0.00	0.00	
2100.00	17.49	95.78	2056.98	-56.34	319.48	323.98	0.00	0.00	0.00	
2200.00	17.49	95.78	2152.36	-59.36	349.38	354.03	0.00	0.00	0.00	
2300.00	17.49	95.78	2247.74	-62.38	379.28	384.08	0.00	0.00	0.00	
2400.00	17.49	95.78	2343.11	-65.41	409.19	414.12	0.00	0.00	0.00	
2500.00	17.49	95.78	2438.49	-68.43	439.09	444.17	0.00	0.00	0.00	
2600.00	17.49	95.78	2533.86	-71.46	468.99	474.22	0.00	0.00	0.00	
2700.00	17.49	95.78	2629.24	-74.48	498.90	504.27	0.00	0.00	0.00	
2800.00	17.49	95.78	2724.62	-77.51	528.80	534.32	0.00	0.00	0.00	
2900.00	17.49	95.78	2819.99	-80.53	558.70	564.37	0.00	0.00	0.00	
3000.00	17.49	95.78	2915.37	-83.55	588.61	594.41	0.00	0.00	0.00	9 5/8"
3100.00	17.49	95.78	3010.75	-86.58	618.51	624.46	0.00	0.00	0.00	
3200.00	17.49	95.78	3106.12	-89.60	648.41	654.51	0.00	0.00	0.00	
3300.00	17.49	95.78	3201.50	-92.63	678.32	684.56	0.00	0.00	0.00	
3400.00	17.49	95.78	3296.87	-95.65	708.22	714.61	0.00	0.00	0.00	
3500.00	17.49	95.78	3392.25	-98.68	738.12	744.66	0.00	0.00	0.00	
3600.00	17.49	95.78	3487.63	-101.70	768.03	774.70	0.00	0.00	0.00	
3700.00	17.49	95.78	3583.00	-104.72	797.93	804.75	0.00	0.00	0.00	
3800.00	17.49	95.78	3678.38	-107.75	827.83	834.80	0.00	0.00	0.00	
3900.00	17.49	95.78	3773.76	-110.77	857.74	864.85	0.00	0.00	0.00	
3981.98	17.49	95.78	3851.95	-113.25	882.25	889.48	0.00	0.00	0.00	DROP
4000.00	17.22	95.78	3869.15	-113.79	887.60	894.86	1.50	-1.50	0.00	
4100.00	15.72	95.78	3965.04	-116.65	915.81	923.20	1.50	-1.50	0.00	
4200.00	14.22	95.78	4061.64	-119.25	941.51	949.03	1.50	-1.50	0.00	
4300.00	12.72	95.78	4158.89	-121.59	964.69	972.32	1.50	-1.50	0.00	
4400.00	11.22	95.78	4256.71	-123.68	985.32	993.05	1.50	-1.50	0.00	
4435.94	10.68	95.78	4292.00	-124.36	992.12	999.88	1.50	-1.50	0.00	WASATCH
4500.00	9.72	95.78	4355.04	-125.51	1003.40	1011.22	1.50	-1.50	0.00	
4600.00	8.22	95.78	4453.82	-127.07	1018.92	1026.81	1.50	-1.50	0.00	
4700.00	6.72	95.78	4552.96	-128.38	1031.85	1039.81	1.50	-1.50	0.00	
4800.00	5.22	95.78	4652.42	-129.43	1042.20	1050.21	1.50	-1.50	0.00	
4900.00	3.72	95.78	4752.11	-130.21	1049.96	1058.00	1.50	-1.50	0.00	
5000.00	2.22	95.78	4851.97	-130.74	1055.11	1063.18	1.50	-1.50	0.00	
5100.00	0.72	95.78	4951.94	-130.99	1057.67	1065.75	1.50	-1.50	0.00	
5148.06	0.00	0.00	5000.00	-131.02	1057.97	1066.05	1.50	-1.50	0.00	HOLD
5200.00	0.00	0.00	5051.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5300.00	0.00	0.00	5151.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5400.00	0.00	0.00	5251.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5450.06	0.00	0.00	5302.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	FORT UNION
5500.00	0.00	0.00	5351.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5600.00	0.00	0.00	5451.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5700.00	0.00	0.00	5551.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5800.00	0.00	0.00	5651.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
5900.00	0.00	0.00	5751.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6000.00	0.00	0.00	5851.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6100.00	0.00	0.00	5951.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	

**Company:** BERRY PETROLEUM COMPANY  
**Field:** GARFIELD COUNTY (NAD 83)  
**Site:** GRANLEE C-10 696  
**Well:** OMO3D C-10-696  
**Wellpath:** 1

**Date:** 6/11/2008 **Time:** 16:10:07 **Page:** 3  
**Co-ordinate(NE) Reference:** Well: OMO3D C-10-696, True North  
**Vertical (TVD) Reference:** SITE 8147.0  
**Section (VS) Reference:** Well (0.00N,0.00E,97.06Azi)  
**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	0.00	6051.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6300.00	0.00	0.00	6151.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6400.00	0.00	0.00	6251.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6500.00	0.00	0.00	6351.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6600.00	0.00	0.00	6451.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6700.00	0.00	0.00	6551.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6800.00	0.00	0.00	6651.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
6900.00	0.00	0.00	6751.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7000.00	0.00	0.00	6851.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7100.00	0.00	0.00	6951.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7160.06	0.00	0.00	7012.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	OHIO CREEK
7200.00	0.00	0.00	7051.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7300.00	0.00	0.00	7151.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7400.00	0.00	0.00	7251.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7500.00	0.00	0.00	7351.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7570.06	0.00	0.00	7422.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	APPROX. TOP GAS
7600.00	0.00	0.00	7451.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7620.06	0.00	0.00	7472.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	MESAVERDE
7700.00	0.00	0.00	7551.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7800.00	0.00	0.00	7651.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
7900.00	0.00	0.00	7751.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8000.00	0.00	0.00	7851.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8100.00	0.00	0.00	7951.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8200.00	0.00	0.00	8051.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8300.00	0.00	0.00	8151.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8400.00	0.00	0.00	8251.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8500.00	0.00	0.00	8351.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8600.00	0.00	0.00	8451.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8700.00	0.00	0.00	8551.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8800.00	0.00	0.00	8651.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
8900.00	0.00	0.00	8751.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9000.00	0.00	0.00	8851.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9100.00	0.00	0.00	8951.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9200.00	0.00	0.00	9051.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9300.00	0.00	0.00	9151.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9400.00	0.00	0.00	9251.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9500.00	0.00	0.00	9351.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9600.00	0.00	0.00	9451.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9700.00	0.00	0.00	9551.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9800.00	0.00	0.00	9651.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
9900.00	0.00	0.00	9751.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10000.00	0.00	0.00	9851.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10045.06	0.00	0.00	9897.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	CAMEO
10100.00	0.00	0.00	9951.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10200.00	0.00	0.00	10051.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10300.00	0.00	0.00	10151.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10400.00	0.00	0.00	10251.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10500.00	0.00	0.00	10351.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10545.06	0.00	0.00	10397.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	ROLLINS SS
10600.00	0.00	0.00	10451.94	-131.02	1057.97	1066.05	0.00	0.00	0.00	
10694.06	0.00	0.00	10546.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	PBHL
10695.06	0.00	0.00	10547.00	-131.02	1057.97	1066.05	0.00	0.00	0.00	PBHL OMO3D

<b>Company:</b> BERRY PETROLEUM COMPANY	<b>Date:</b> 6/11/2008	<b>Time:</b> 16:10:07	<b>Page:</b> 4
<b>Field:</b> GARFIELD COUNTY (NAD 83)	<b>Co-ordinate(NE) Reference:</b> Well: OMO3D C-10-696, True North		
<b>Site:</b> GRANLEE C-10 696	<b>Vertical (TVD) Reference:</b> SITE 8147.0		
<b>Well:</b> OMO3D C-10-696	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,97.06Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature		<b>Db:</b> Sybase

### Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->			<--- Longitude --->		
PBHL OMO3D		10547.00	-131.02	1057.97	1633335.21	2269072.65	39	32	37.140 N	108	5	32.000 W
-Rectangle (100x200)												
-Plan hit target												

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3000.00	2915.37	9.625	12.250	9 5/8"

### Annotation

MD ft	TVD ft	
100.00	100.00	NUDGE
600.00	599.90	KOP
1470.03	1456.14	HOLD
3981.98	3851.95	DROP
5148.06	5000.00	HOLD
10694.06	10546.00	PBHL

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4435.94	4292.00	WASATCH		0.00	0.00
5450.06	5302.00	FORT UNION		0.00	0.00
7160.06	7012.00	OHIO CREEK		0.00	0.00
7570.06	7422.00	APPROX. TOP GAS		0.00	0.00
7620.06	7472.00	MESAVERDE		0.00	0.00
10045.06	9897.00	CAMEO		0.00	0.00
10545.06	10397.00	ROLLINS SS		0.00	0.00

**Company:** BERRY PETROLEUM COMPANY  
**Field:** GARFIELD COUNTY (NAD 83)  
**Reference Site:** GRANLEE C-10 696  
**Reference Well:** OMO3D C-10-696  
**Reference Wellpath:**

**Date:** 6/11/2008  
**Time:** 16:09:40  
**Page:** 1

**Co-ordinate(NE) Reference:** Well: OMO3D C-10-696, True North  
**Vertical (TVD) Reference:** SITE 8147.0  
**Db:** Sybase

**NO GLOBAL SCAN:** Using user defined selection & scan criteria  
**Interpolation Method:** MD  
**Interval:** 100.00 ft  
**Depth Range:** 0.00 to 10695.06 ft  
**Maximum Radius:** 40000.00 ft

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

**Plan:** Plan #3  
**Date Composed:** 6/10/2008  
**Version:** 1  
**Tied-to:** From Surface

**Principal:** Yes

### Summary

Site	Offset Wellpath	Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
GRANLEE C-10 696	OMO3A C-10-696	1 V0 Plan: Plan #2 V1		1700.00	1688.03	75.50	65.45	7.52	
GRANLEE C-10 696	OMO6B C-10-696	1 V0 Plan: Plan #3 V1		700.00	699.95	16.62	13.79	5.86	

**Site:** GRANLEE C-10 696  
**Well:** OMO3A C-10-696  
**Wellpath:** 1 V0 Plan: Plan #2 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	82.73	1.91	15.00	15.12			No Data
100.00	100.00	100.00	100.00	0.09	0.09	82.73	1.91	15.00	15.12	14.94	86.23	
200.00	200.00	200.00	200.00	0.29	0.31	261.42	1.91	15.00	15.17	14.56	25.05	
300.00	299.99	299.99	299.99	0.50	0.54	257.56	1.91	15.00	15.36	14.32	14.75	
400.00	399.98	399.63	399.63	0.72	0.76	251.71	2.00	15.53	16.36	14.87	11.01	
500.00	499.95	498.70	498.59	0.95	0.99	247.37	2.69	19.76	21.46	19.52	11.07	
600.00	599.90	597.15	596.67	1.18	1.23	245.75	4.07	28.13	31.07	28.68	12.98	
700.00	699.82	694.86	693.56	1.40	1.50	290.42	6.10	40.55	43.36	40.52	15.24	
800.00	799.62	794.09	791.63	1.62	1.81	307.88	8.55	55.47	54.77	51.46	16.55	
900.00	899.17	893.71	890.09	1.85	2.14	313.91	11.01	70.45	63.11	59.31	16.62	
1000.00	998.37	993.50	988.71	2.11	2.47	315.25	13.47	85.46	68.50	64.19	15.87	
1100.00	1097.08	1093.32	1087.37	2.41	2.82	313.80	15.93	100.48	71.18	66.30	14.57	
1200.00	1195.18	1193.07	1185.95	2.75	3.16	310.03	18.39	115.48	71.52	66.00	12.94	
1300.00	1292.56	1292.62	1284.34	3.15	3.51	303.81	20.85	130.45	70.16	63.88	11.17	
1400.00	1389.10	1391.85	1382.40	3.61	3.86	294.72	23.29	145.38	68.15	60.97	9.49	
1500.00	1484.73	1490.65	1480.06	4.13	4.22	282.39	25.73	160.24	67.20	58.98	8.18	
1600.00	1580.10	1589.34	1577.59	4.69	4.57	269.14	28.17	175.08	69.61	60.41	7.56	
1700.00	1675.48	1688.03	1675.12	5.27	4.92	257.34	30.60	189.93	75.50	65.45	7.52	
1800.00	1770.85	1786.71	1772.65	5.86	5.27	247.55	33.03	204.77	84.12	73.38	7.83	
1900.00	1866.23	1885.40	1870.19	6.46	5.63	239.74	35.47	219.61	94.73	83.40	8.36	
2000.00	1961.61	1984.08	1967.72	7.07	5.98	233.57	37.90	234.46	106.75	94.87	8.98	
2100.00	2056.98	2082.77	2065.25	7.68	6.34	228.68	40.34	249.30	119.74	107.34	9.65	
2200.00	2152.36	2181.45	2162.78	8.29	6.69	224.76	42.77	264.14	133.43	120.50	10.32	
2300.00	2247.74	2280.14	2260.31	8.91	7.05	221.58	45.21	278.99	147.63	134.17	10.97	
2400.00	2343.11	2378.82	2357.85	9.53	7.40	218.96	47.64	293.83	162.19	148.20	11.60	
2500.00	2438.49	2477.51	2455.38	10.15	7.76	216.77	50.07	308.67	177.02	162.50	12.19	
2600.00	2533.86	2576.19	2552.91	10.77	8.12	214.93	52.51	323.52	192.08	177.01	12.74	
2700.00	2629.24	2674.88	2650.44	11.40	8.47	213.35	54.94	338.36	207.30	191.67	13.27	
2800.00	2724.62	2773.56	2747.97	12.02	8.83	211.98	57.38	353.20	222.65	206.47	13.76	
2900.00	2819.99	2872.25	2845.51	12.65	9.19	210.80	59.81	368.05	238.11	221.37	14.22	
3000.00	2915.37	2970.93	2943.04	13.28	9.54	209.76	62.24	382.89	253.66	236.35	14.65	
3100.00	3010.75	3069.62	3040.57	13.91	9.90	208.84	64.68	397.73	269.28	251.40	15.06	
3200.00	3106.12	3168.30	3138.10	14.54	10.26	208.02	67.11	412.57	284.96	266.51	15.44	
3300.00	3201.50	3266.99	3235.63	15.17	10.61	207.28	69.55	427.42	300.69	281.66	15.80	
3400.00	3296.87	3365.67	3333.17	15.80	10.97	206.62	71.98	442.26	316.47	296.86	16.14	
3500.00	3392.25	3464.36	3430.70	16.43	11.33	206.02	74.41	457.10	332.28	312.09	16.46	

<b>Company:</b> BERRY PETROLEUM COMPANY	<b>Date:</b> 6/11/2008	<b>Time:</b> 16:09:40	<b>Page:</b> 2
<b>Field:</b> GARFIELD COUNTY (NAD 83)			
<b>Reference Site:</b> GRANLEE C-10 696	<b>Co-ordinate(NE) Reference:</b> Well: OMO3D C-10-696, True North		
<b>Reference Well:</b> OMO3D C-10-696	<b>Vertical (TVD) Reference:</b> SITE 8147.0		
<b>Reference Wellpath:</b>	<b>Db:</b> Sybase		

**Site:** GRANLEE C-10 696  
**Well:** OMO3A C-10-696  
**Wellpath:** 1 V0 Plan: Plan #2 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	3487.63	3563.04	3528.23	17.06	11.68	205.48	76.85	471.95	348.13	327.35	16.76	
3700.00	3583.00	3661.73	3625.76	17.69	12.04	204.98	79.28	486.79	364.00	342.64	17.04	
3800.00	3678.38	3760.41	3723.30	18.32	12.40	204.52	81.72	501.63	379.90	357.95	17.31	
3900.00	3773.76	3859.10	3820.83	18.95	12.76	204.11	84.15	516.48	395.82	373.28	17.56	
4000.00	3869.15	3957.79	3918.37	19.57	13.11	203.70	86.59	531.32	411.72	388.59	17.80	
4100.00	3965.04	4056.73	4016.16	20.05	13.47	203.36	89.03	546.20	426.05	402.38	18.00	
4200.00	4061.64	4156.01	4114.27	20.49	13.83	203.18	91.48	561.14	438.02	413.79	18.08	
4300.00	4158.89	4255.55	4212.65	20.90	14.19	203.15	93.93	576.11	447.59	422.79	18.05	
4400.00	4256.71	4355.28	4311.21	21.27	14.55	203.26	96.39	591.11	454.76	429.39	17.92	
4500.00	4355.04	4455.14	4409.90	21.60	14.92	203.52	98.85	606.13	459.54	433.58	17.70	
4600.00	4453.82	4555.05	4508.65	21.89	15.28	203.91	101.32	621.16	461.93	435.38	17.40	
4700.00	4552.96	4650.01	4602.54	22.15	15.60	204.40	103.62	635.17	462.21	435.09	17.04	
4800.00	4652.42	4738.90	4690.75	22.38	15.84	204.79	105.39	645.99	462.16	434.57	16.75	
4900.00	4752.11	4827.87	4779.33	22.57	16.03	205.08	106.72	654.11	462.14	434.16	16.52	
5000.00	4851.97	4916.89	4868.18	22.72	16.19	205.28	107.61	659.52	462.13	433.83	16.33	
5100.00	4951.94	5005.95	4957.19	22.84	16.32	205.37	108.05	662.20	462.13	433.57	16.18	
5200.00	5051.94	5100.69	5051.94	22.94	16.45	301.16	108.10	662.51	462.13	431.72	15.19	
5300.00	5151.94	5200.69	5151.94	23.04	16.60	301.16	108.10	662.51	462.13	431.41	15.04	
5400.00	5251.94	5300.69	5251.94	23.14	16.75	301.16	108.10	662.51	462.13	431.11	14.89	
5500.00	5351.94	5400.69	5351.94	23.24	16.90	301.16	108.10	662.51	462.13	430.79	14.75	
5600.00	5451.94	5500.69	5451.94	23.35	17.05	301.16	108.10	662.51	462.13	430.48	14.60	
5700.00	5551.94	5600.69	5551.94	23.45	17.21	301.16	108.10	662.51	462.13	430.16	14.46	
5800.00	5651.94	5700.69	5651.94	23.56	17.37	301.16	108.10	662.51	462.13	429.84	14.31	
5900.00	5751.94	5800.69	5751.94	23.67	17.52	301.16	108.10	662.51	462.13	429.52	14.17	
6000.00	5851.94	5900.69	5851.94	23.78	17.68	301.16	108.10	662.51	462.13	429.19	14.03	
6100.00	5951.94	6000.69	5951.94	23.89	17.85	301.16	108.10	662.51	462.13	428.86	13.89	
6200.00	6051.94	6100.69	6051.94	24.01	18.01	301.16	108.10	662.51	462.13	428.53	13.75	
6300.00	6151.94	6200.69	6151.94	24.12	18.17	301.16	108.10	662.51	462.13	428.20	13.62	
6400.00	6251.94	6300.69	6251.94	24.24	18.34	301.16	108.10	662.51	462.13	427.86	13.48	
6500.00	6351.94	6400.69	6351.94	24.36	18.50	301.16	108.10	662.51	462.13	427.52	13.35	
6600.00	6451.94	6500.69	6451.94	24.48	18.67	301.16	108.10	662.51	462.13	427.18	13.22	
6700.00	6551.94	6600.69	6551.94	24.60	18.84	301.16	108.10	662.51	462.13	426.83	13.09	
6800.00	6651.94	6700.69	6651.94	24.72	19.01	301.16	108.10	662.51	462.13	426.49	12.96	
6900.00	6751.94	6800.69	6751.94	24.85	19.18	301.16	108.10	662.51	462.13	426.14	12.84	
7000.00	6851.94	6900.69	6851.94	24.97	19.36	301.16	108.10	662.51	462.13	425.79	12.71	
7100.00	6951.94	7000.69	6951.94	25.10	19.53	301.16	108.10	662.51	462.13	425.43	12.59	
7200.00	7051.94	7100.69	7051.94	25.23	19.70	301.16	108.10	662.51	462.13	425.08	12.47	
7300.00	7151.94	7200.69	7151.94	25.36	19.88	301.16	108.10	662.51	462.13	424.72	12.35	
7400.00	7251.94	7300.69	7251.94	25.49	20.06	301.16	108.10	662.51	462.13	424.36	12.23	
7500.00	7351.94	7400.69	7351.94	25.62	20.23	301.16	108.10	662.51	462.13	424.00	12.12	
7600.00	7451.94	7500.69	7451.94	25.76	20.41	301.16	108.10	662.51	462.13	423.63	12.00	
7700.00	7551.94	7600.69	7551.94	25.89	20.59	301.16	108.10	662.51	462.13	423.27	11.89	
7800.00	7651.94	7700.69	7651.94	26.03	20.77	301.16	108.10	662.51	462.13	422.90	11.78	
7900.00	7751.94	7800.69	7751.94	26.17	20.95	301.16	108.10	662.51	462.13	422.53	11.67	
8000.00	7851.94	7900.69	7851.94	26.31	21.13	301.16	108.10	662.51	462.13	422.16	11.56	
8100.00	7951.94	8000.69	7951.94	26.45	21.32	301.16	108.10	662.51	462.13	421.79	11.46	
8200.00	8051.94	8100.69	8051.94	26.59	21.50	301.16	108.10	662.51	462.13	421.42	11.35	
8300.00	8151.94	8200.69	8151.94	26.73	21.68	301.16	108.10	662.51	462.13	421.04	11.25	
8400.00	8251.94	8300.69	8251.94	26.87	21.87	301.16	108.10	662.51	462.13	420.66	11.14	
8500.00	8351.94	8400.69	8351.94	27.02	22.06	301.16	108.10	662.51	462.13	420.29	11.04	
8600.00	8451.94	8500.69	8451.94	27.16	22.24	301.16	108.10	662.51	462.13	419.91	10.94	



**Company:** BERRY PETROLEUM COMPANY  
**Field:** GARFIELD COUNTY (NAD 83)  
**Reference Site:** GRANLEE C-10 696  
**Reference Well:** OMO3D C-10-696  
**Reference Wellpath:**

**Date:** 6/11/2008  
**Time:** 16:09:40  
**Page:** 3

**Co-ordinate(Ne) Reference:** Well: OMO3D C-10-696, True North  
**Vertical (TVD) Reference:** SITE 8147.0  
**Db:** Sybase

**Site:** GRANLEE C-10 696  
**Well:** OMO3A C-10-696  
**Wellpath:** 1 V0 Plan: Plan #2 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	8551.94	8600.69	8551.94	27.31	22.43	301.16	108.10	662.51	462.13	419.53	10.85	
8800.00	8651.94	8700.69	8651.94	27.46	22.62	301.16	108.10	662.51	462.13	419.14	10.75	
8900.00	8751.94	8800.69	8751.94	27.61	22.81	301.16	108.10	662.51	462.13	418.76	10.66	
9000.00	8851.94	8900.69	8851.94	27.76	23.00	301.16	108.10	662.51	462.13	418.38	10.56	
9100.00	8951.94	9000.69	8951.94	27.91	23.19	301.16	108.10	662.51	462.13	417.99	10.47	
9200.00	9051.94	9100.69	9051.94	28.06	23.38	301.16	108.10	662.51	462.13	417.60	10.38	
9300.00	9151.94	9200.69	9151.94	28.21	23.57	301.16	108.10	662.51	462.13	417.21	10.29	
9400.00	9251.94	9300.69	9251.94	28.36	23.76	301.16	108.10	662.51	462.13	416.83	10.20	
9500.00	9351.94	9400.69	9351.94	28.52	23.95	301.16	108.10	662.51	462.13	416.43	10.11	
9600.00	9451.94	9500.69	9451.94	28.68	24.14	301.16	108.10	662.51	462.13	416.04	10.03	
9700.00	9551.94	9600.69	9551.94	28.83	24.34	301.16	108.10	662.51	462.13	415.65	9.94	
9800.00	9651.94	9700.69	9651.94	28.99	24.53	301.16	108.10	662.51	462.13	415.26	9.86	
9900.00	9751.94	9800.69	9751.94	29.15	24.73	301.16	108.10	662.51	462.13	414.86	9.78	
10000.00	9851.94	9900.69	9851.94	29.31	24.92	301.16	108.10	662.51	462.13	414.47	9.70	
10100.00	9951.94	10000.69	9951.94	29.47	25.12	301.16	108.10	662.51	462.13	414.07	9.62	
10200.00	10051.94	10100.69	10051.94	29.63	25.31	301.16	108.10	662.51	462.13	413.67	9.54	
10300.00	10151.94	10200.69	10151.94	29.79	25.51	301.16	108.10	662.51	462.13	413.27	9.46	
10400.00	10251.94	10300.69	10251.94	29.95	25.71	301.16	108.10	662.51	462.13	412.87	9.38	
10500.00	10351.94	10400.69	10351.94	30.12	25.90	301.16	108.10	662.51	462.13	412.47	9.31	
10600.00	10451.94	10500.69	10451.94	30.28	26.10	301.16	108.10	662.51	462.13	412.07	9.23	
10695.06	10547.00	10595.76	10547.00	30.44	26.29	301.16	108.10	662.51	462.13	411.69	9.16	

**Site:** GRANLEE C-10 696  
**Well:** OMO6B 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		
0.00	0.00	0.00	0.00	0.00	0.00	266.52	-0.91	-15.00	15.03			No Data
100.00	100.00	100.00	100.00	0.09	0.09	266.52	-0.91	-15.00	15.03	14.85	85.71	
200.00	200.00	199.99	199.99	0.29	0.29	85.63	-1.49	-15.00	15.04	14.46	25.66	
300.00	299.99	299.97	299.95	0.50	0.50	82.99	-3.24	-15.00	15.11	14.10	14.99	
400.00	399.98	399.93	399.87	0.72	0.73	78.67	-6.15	-15.00	15.30	13.84	10.52	
500.00	499.95	500.00	499.82	0.95	0.96	69.81	-10.83	-14.28	15.21	13.30	7.95	
600.00	599.90	599.97	599.66	1.18	1.20	61.38	-15.97	-13.28	15.13	12.75	6.36	
700.00	699.82	699.95	699.50	1.40	1.45	102.82	-21.11	-12.29	16.62	13.79	5.86	
800.00	799.62	799.84	799.25	1.62	1.69	123.65	-26.24	-11.29	21.13	17.83	6.40	
900.00	899.17	899.52	898.80	1.85	1.94	136.52	-31.36	-10.30	28.78	25.00	7.61	
1000.00	998.37	998.87	998.01	2.11	2.18	145.50	-36.47	-9.31	39.78	35.51	9.32	
1100.00	1097.08	1097.77	1096.77	2.41	2.43	151.91	-41.55	-8.32	54.23	49.47	11.40	
1200.00	1195.18	1196.10	1194.97	2.75	2.67	156.54	-46.61	-7.35	72.16	66.91	13.74	
1300.00	1292.56	1293.73	1292.47	3.15	2.91	159.96	-51.62	-6.37	93.54	87.79	16.27	
1400.00	1389.10	1390.55	1389.16	3.61	3.15	162.55	-56.60	-5.41	118.34	112.09	18.93	
1500.00	1484.73	1486.49	1484.97	4.13	3.39	164.37	-61.53	-4.45	146.38	139.62	21.64	
1600.00	1580.10	1582.19	1580.53	4.69	3.62	165.31	-66.45	-3.50	175.29	167.99	24.02	
1700.00	1675.48	1677.89	1676.10	5.27	3.86	165.98	-71.37	-2.55	204.22	196.39	26.06	
1800.00	1770.85	1773.59	1771.67	5.86	4.10	166.49	-76.29	-1.59	233.17	224.80	27.84	
1900.00	1866.23	1869.29	1867.24	6.46	4.33	166.88	-81.20	-0.64	262.14	253.22	29.38	
2000.00	1961.61	1964.99	1962.80	7.07	4.57	167.20	-86.12	0.31	291.12	281.65	30.74	
2100.00	2056.98	2060.69	2058.37	7.68	4.81	167.45	-91.04	1.27	320.10	310.08	31.95	
2200.00	2152.36	2156.38	2153.94	8.29	5.04	167.67	-95.96	2.22	349.09	338.52	33.03	
2300.00	2247.74	2252.08	2249.51	8.91	5.28	167.85	-100.88	3.17	378.08	366.96	33.99	

**Company:** BERRY PETROLEUM COMPANY  
**Field:** GARFIELD COUNTY (NAD 83)  
**Reference Site:** GRANLEE C-10 696  
**Reference Well:** OMO3D C-10-696  
**Reference Wellpath:**

**Date:** 6/11/2008  
**Time:** 16:09:40  
**Page:** 4

**Co-ordinate(NE) Reference:** Well: OMO3D C-10-696, True North  
**Vertical (TVD) Reference:** SITE 8147.0  
**Db:** Sybase

**Site:** GRANLEE C-10 696  
**Well:** OMO6B 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 Edge Distance ft	Ctr-Ctr Edge Distance ft	Separation Factor	Warning
2400.00	2343.11	2347.78	2345.07	9.53	5.52	168.01	-105.79	4.12	407.08	395.40	34.87	
2500.00	2438.49	2443.48	2440.64	10.15	5.75	168.14	-110.71	5.08	436.07	423.84	35.65	
2600.00	2533.86	2539.18	2536.21	10.77	5.99	168.26	-115.63	6.03	465.07	452.29	36.37	
2700.00	2629.24	2634.88	2631.78	11.40	6.23	168.37	-120.55	6.98	494.07	480.73	37.03	
2800.00	2724.62	2730.58	2727.34	12.02	6.47	168.46	-125.47	7.94	523.07	509.17	37.63	
2900.00	2819.99	2826.28	2822.91	12.65	6.70	168.55	-130.39	8.89	552.08	537.62	38.19	
3000.00	2915.37	2921.97	2918.48	13.28	6.94	168.62	-135.30	9.84	581.08	566.07	38.70	
3100.00	3010.75	3017.67	3014.05	13.91	7.18	168.69	-140.22	10.80	610.09	594.51	39.17	
3200.00	3106.12	3113.37	3109.61	14.54	7.41	168.75	-145.14	11.75	639.09	622.96	39.61	
3300.00	3201.50	3209.07	3205.18	15.17	7.65	168.81	-150.06	12.70	668.10	651.40	40.02	
3400.00	3296.87	3304.77	3300.75	15.80	7.89	168.86	-154.98	13.65	697.11	679.85	40.40	
3500.00	3392.25	3400.47	3396.32	16.43	8.13	168.91	-159.89	14.61	726.11	708.30	40.76	
3600.00	3487.63	3496.17	3491.88	17.06	8.36	168.95	-164.81	15.56	755.12	736.75	41.09	
3700.00	3583.00	3591.87	3587.45	17.69	8.60	168.99	-169.73	16.51	784.13	765.19	41.41	
3800.00	3678.38	3687.56	3683.02	18.32	8.84	169.03	-174.65	17.47	813.14	793.64	41.70	
3900.00	3773.76	3783.26	3778.59	18.95	9.08	169.06	-179.57	18.42	842.15	822.09	41.98	
4000.00	3869.15	3878.97	3874.17	19.57	9.31	169.11	-184.49	19.37	871.12	850.50	42.25	
4100.00	3965.04	3975.16	3970.22	20.05	9.55	169.20	-189.43	20.33	898.45	877.32	42.53	
4200.00	4061.64	4072.02	4066.95	20.49	9.79	169.25	-194.41	21.30	923.29	901.67	42.71	
4300.00	4158.89	4169.49	4164.28	20.90	10.03	169.26	-199.42	22.27	945.64	923.54	42.78	
4400.00	4256.71	4267.49	4262.15	21.27	10.28	169.24	-204.45	23.24	965.48	942.91	42.77	
4500.00	4355.04	4365.96	4360.48	21.60	10.52	169.18	-209.51	24.22	982.79	959.76	42.67	
4600.00	4453.82	4464.83	4459.22	21.89	10.76	169.09	-214.60	25.21	997.57	974.10	42.50	
4700.00	4552.96	4564.04	4558.29	22.15	11.01	168.97	-219.69	26.20	1009.81	985.90	42.25	
4800.00	4652.42	4663.52	4657.63	22.38	11.26	168.82	-224.81	27.19	1019.50	995.18	41.92	
4900.00	4752.11	4763.19	4757.17	22.57	11.50	168.63	-229.93	28.18	1026.65	1001.93	41.53	
5000.00	4851.97	4862.99	4856.84	22.72	11.75	168.41	-235.06	29.17	1031.24	1006.14	41.08	
5100.00	4951.94	4962.86	4956.57	22.84	12.00	168.16	-240.19	30.17	1033.30	1007.82	40.56	
5200.00	5051.94	5062.73	5056.30	22.94	12.25	263.65	-245.32	31.16	1033.16	1007.28	39.92	
5300.00	5151.94	5162.59	5156.02	23.04	12.49	263.36	-250.46	32.16	1032.75	1006.44	39.25	
5400.00	5251.94	5262.45	5255.75	23.14	12.74	263.07	-255.59	33.15	1032.37	1005.62	38.60	
5500.00	5351.94	5362.32	5355.47	23.24	12.99	262.78	-260.72	34.15	1032.01	1004.83	37.96	
5600.00	5451.94	5462.18	5455.20	23.35	13.24	262.49	-265.85	35.14	1031.68	1004.06	37.35	
5700.00	5551.94	5562.04	5554.93	23.45	13.49	262.20	-270.98	36.13	1031.38	1003.32	36.75	
5800.00	5651.94	5661.90	5654.65	23.56	13.73	261.91	-276.12	37.13	1031.10	1002.60	36.17	
5900.00	5751.94	5761.77	5754.38	23.67	13.98	261.62	-281.25	38.12	1030.85	1001.90	35.61	
6000.00	5851.94	5861.63	5854.10	23.78	14.23	261.33	-286.38	39.12	1030.63	1001.24	35.06	
6100.00	5951.94	5961.49	5953.83	23.89	14.48	261.04	-291.51	40.11	1030.43	1000.59	34.53	
6200.00	6051.94	6061.36	6053.56	24.01	14.72	260.75	-296.64	41.11	1030.26	999.98	34.02	
6300.00	6151.94	6161.22	6153.28	24.12	14.97	260.46	-301.78	42.10	1030.12	999.38	33.52	
6400.00	6251.94	6261.08	6253.01	24.24	15.22	260.17	-306.91	43.10	1030.00	998.82	33.03	
6500.00	6351.94	6360.94	6352.73	24.36	15.47	259.88	-312.04	44.09	1029.91	998.28	32.56	
6600.00	6451.94	6460.81	6452.46	24.48	15.71	259.59	-317.17	45.09	1029.85	997.76	32.10	
6700.00	6551.94	6560.67	6552.18	24.60	15.96	259.30	-322.31	46.08	1029.81	997.27	31.65	
6800.00	6651.94	6660.53	6651.91	24.72	16.21	259.00	-327.44	47.07	1029.80	996.81	31.21	
6900.00	6751.94	6760.40	6751.64	24.85	16.46	258.71	-332.57	48.07	1029.82	996.37	30.79	
7000.00	6851.94	6860.26	6851.36	24.97	16.70	258.42	-337.70	49.06	1029.86	995.96	30.38	
7100.00	6951.94	6960.12	6951.09	25.10	16.95	258.13	-342.83	50.06	1029.93	995.57	29.98	
7200.00	7051.94	7059.98	7050.81	25.23	17.20	257.84	-347.97	51.05	1030.02	995.21	29.59	
7300.00	7151.94	7160.11	7150.81	25.36	17.43	257.56	-352.93	52.01	1030.14	994.89	29.22	
7400.00	7251.94	7260.81	7251.46	25.49	17.61	257.40	-355.82	52.58	1030.22	994.59	28.91	

**Company:** BERRY PETROLEUM COMPANY  
**Field:** GARFIELD COUNTY (NAD 83)  
**Reference Site:** GRANLEE C-10 696  
**Reference Well:** OMO3D C-10-696  
**Reference Wellpath:**

**Date:** 6/11/2008  
**Time:** 16:09:40  
**Page:** 5

**Co-ordinate(Ne) Reference:** Well: OMO3D C-10-696, True North  
**Vertical (TVD) Reference:** SITE 8147.0  
**Db:** Sybase

**Site:** GRANLEE C-10 696  
**Well:** OMO6B 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			
7500.00	7351.94	7361.28	7351.94	25.62	17.78	257.37	-356.31	52.67	1030.23	994.25	28.63		
7600.00	7451.94	7461.28	7451.94	25.76	17.95	257.37	-356.31	52.67	1030.23	993.90	28.36		
7700.00	7551.94	7561.28	7551.94	25.89	18.10	257.37	-356.31	52.67	1030.23	993.57	28.10		
7800.00	7651.94	7661.28	7651.94	26.03	18.26	257.37	-356.31	52.67	1030.23	993.23	27.84		
7900.00	7751.94	7761.28	7751.94	26.17	18.42	257.37	-356.31	52.67	1030.23	992.89	27.59		
8000.00	7851.94	7861.28	7851.94	26.31	18.57	257.37	-356.31	52.67	1030.23	992.55	27.34		
8100.00	7951.94	7961.28	7951.94	26.45	18.73	257.37	-356.31	52.67	1030.23	992.20	27.09		
8200.00	8051.94	8061.28	8051.94	26.59	18.90	257.37	-356.31	52.67	1030.23	991.86	26.85		
8300.00	8151.94	8161.28	8151.94	26.73	19.06	257.37	-356.31	52.67	1030.23	991.51	26.60		
8400.00	8251.94	8261.28	8251.94	26.87	19.22	257.37	-356.31	52.67	1030.23	991.16	26.36		
8500.00	8351.94	8361.28	8351.94	27.02	19.39	257.37	-356.31	52.67	1030.23	990.80	26.13		
8600.00	8451.94	8461.28	8451.94	27.16	19.55	257.37	-356.31	52.67	1030.23	990.45	25.90		
8700.00	8551.94	8561.28	8551.94	27.31	19.72	257.37	-356.31	52.67	1030.23	990.09	25.66		
8800.00	8651.94	8661.28	8651.94	27.46	19.89	257.37	-356.31	52.67	1030.23	989.73	25.44		
8900.00	8751.94	8761.28	8751.94	27.61	20.06	257.37	-356.31	52.67	1030.23	989.37	25.21		
9000.00	8851.94	8861.28	8851.94	27.76	20.23	257.37	-356.31	52.67	1030.23	989.01	24.99		
9100.00	8951.94	8961.28	8951.94	27.91	20.40	257.37	-356.31	52.67	1030.23	988.65	24.77		
9200.00	9051.94	9061.28	9051.94	28.06	20.57	257.37	-356.31	52.67	1030.23	988.28	24.56		
9300.00	9151.94	9161.28	9151.94	28.21	20.75	257.37	-356.31	52.67	1030.23	987.91	24.34		
9400.00	9251.94	9261.28	9251.94	28.36	20.92	257.37	-356.31	52.67	1030.23	987.54	24.13		
9500.00	9351.94	9361.28	9351.94	28.52	21.10	257.37	-356.31	52.67	1030.23	987.17	23.93		
9600.00	9451.94	9461.28	9451.94	28.68	21.28	257.37	-356.31	52.67	1030.23	986.80	23.72		
9700.00	9551.94	9561.28	9551.94	28.83	21.45	257.37	-356.31	52.67	1030.23	986.43	23.52		
9800.00	9651.94	9661.28	9651.94	28.99	21.63	257.37	-356.31	52.67	1030.23	986.05	23.32		
9900.00	9751.94	9761.28	9751.94	29.15	21.81	257.37	-356.31	52.67	1030.23	985.68	23.12		
10000.00	9851.94	9861.28	9851.94	29.31	21.99	257.37	-356.31	52.67	1030.23	985.30	22.93		
10100.00	9951.94	9961.28	9951.94	29.47	22.17	257.37	-356.31	52.67	1030.23	984.92	22.74		
10200.00	10051.94	10061.28	10051.94	29.63	22.35	257.37	-356.31	52.67	1030.23	984.54	22.55		
10300.00	10151.94	10161.28	10151.94	29.79	22.54	257.37	-356.31	52.67	1030.23	984.16	22.36		
10400.00	10251.94	10261.28	10251.94	29.95	22.72	257.37	-356.31	52.67	1030.23	983.78	22.18		
10500.00	10351.94	10361.28	10351.94	30.12	22.90	257.37	-356.31	52.67	1030.23	983.39	22.00		
10600.00	10451.94	10461.28	10451.94	30.28	23.09	257.37	-356.31	52.67	1030.23	983.01	21.82		
10695.06	10547.00	10521.35	10512.00	30.44	23.20	257.37	-356.31	52.67	1030.83	983.30	21.69		