

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30544	² Pool Code 72319/71599	³ Pool Name BLANCO MESA VERDE/BASIN DAKOTA
⁴ Property Code 7623	⁵ Property Name VAUGHN	⁶ Well Number 8P
⁷ OGRIID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6649'

¹⁰ Surface Location

UL or lot no. P	Section 26	Township 26N	Range 6W	Lot Idn	Feet from the 1116'	North/South line SOUTH	Feet from the 1151'	East/West line EAST	County RIO ARRIBA
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11 Bottom Hole Location If Different From Surface

UL or lot no. J	Section 26	Township 26N	Range 6W	Lot Idn	Feet from the 2185'	North/South line SOUTH	Feet from the 1892'	East/West line EAST	County RIO ARRIBA
¹² Dedicated Acres 320.00 Acres - (E/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD FEB 25 '09 OIL CONS. DIV.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

5104

LEASE # USA SF-079266

BOTTOM HOLE

LAT. 36.45642° N (NAD83)
 LONG. 107.43458° W (NAD83)
 LAT. 36°27.38458' N (NAD27)
 LONG. 107°26.03861' W (NAD27)

26

FND 3.25' 80' BLM 1957

1892

DIRECTIONAL DRILL

2668.71' (R)
 2667.84' (M)

1151'

VAUGHN #8E

1116'

WELL FLAG

LAT. 36.45352° N (NAD83)
 LONG. 107.43211° W (NAD83)
 LAT. 36°27.21056' N (NAD27)
 LONG. 107°25.89041' W (NAD27)

S 89°35' W
 2643.30' (R)
 FND 3.25' 80' BLM 1957

S 89°31'37" W
 2642.24' (M)
 FND 3.25' 80' BLM 1957

N 0°08' W
 N 00°12'50" W

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sasha Neumann 2-23-09
Signature Date

x SASHA NEUMANN
Printed Name

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

March 12, 2008
Date of Survey

Signature and Seal of Professional Surveyor:

10201
Certificate Number

LETTERPAGE NUMBER

10201



COP Deviation Report

VAUGHN #8P

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName VAUGHN #8P	API / UWI 3003930544	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 026-026N-006W-P	N/S Dist (ft) 1,116.00	N/S Ref FSL	E/W Dist (ft) 1,151.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/25/2008	285	1.07	MWD	AZTEC RIG CREW
11/2/2008	314	1.05	MWD	Scientific Drilling
11/2/2008	345	0.74	MWD	Scientific Drilling
11/2/2008	375	1.54	MWD	Scientific Drilling
11/2/2008	405	2.87	MWD	Scientific Drilling
11/2/2008	435	4.55	MWD	Scientific Drilling
10/28/2008	466	5.15	MWD	Scientific Drilling
10/28/2008	497	5.02	MWD	Scientific Drilling
10/28/2008	528	5.12	MWD	Scientific Drilling
10/28/2008	558	5.82	MWD	Scientific Drilling
10/28/2008	589	5.94	MWD	Scientific Drilling
10/28/2008	620	6.07	MWD	Scientific Drilling
10/28/2008	651	6.39	MWD	Scientific Drilling
10/28/2008	681	6.46	MWD	Scientific Drilling
10/28/2008	712	7.20	MWD	Scientific Drilling
10/28/2008	743	7.97	MWD	Scientific Drilling
10/28/2008	774	8.18	MWD	Scientific Drilling
10/28/2008	805	8.79	MWD	Scientific Drilling
10/28/2008	836	9.27	MWD	Scientific Drilling
10/28/2008	866	9.84	MWD	Scientific Drilling
10/28/2008	897	10.24	MWD	Scientific Drilling
10/28/2008	928	11.04	MWD	Scientific Drilling
10/29/2008	959	11.65	MWD	Scientific Drilling
11/2/2008	990	12.52	MWD	Scientific Drilling
10/29/2008	1,021	13.75	MWD	Scientific Drilling
10/29/2008	1,051	14.65	MWD	Scientific Drilling
10/29/2008	1,082	15.64	MWD	Scientific Drilling
10/29/2008	1,114	16.48	MWD	Scientific Drilling
10/29/2008	1,146	16.71	MWD	Scientific Drilling
10/29/2008	1,177	17.41	MWD	Scientific Drilling
10/29/2008	1,210	18.60	MWD	Scientific Drilling
10/29/2008	1,242	19.09	MWD	Scientific Drilling
10/29/2008	1,304	19.17	MWD	Scientific Drilling
10/29/2008	1,367	19.29	MWD	Scientific Drilling
10/29/2008	1,430	19.38	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

RECU FEB 25 2009

OIL CONS. DIV.

0267.8

Notary Public in and for San Juan County, New Mexico

My Commission expires _____



COP Deviation Report

VAUGHN #8P

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/29/2008	1,493	18.81	MWD	Scientific Drilling
10/29/2008	1,556	18.51	MWD	Scientific Drilling
10/29/2008	1,619	19.59	MWD	Scientific Drilling
10/29/2008	1,682	19.66	MWD	Scientific Drilling
10/29/2008	1,745	19.50	MWD	Scientific Drilling
10/29/2008	1,808	19.05	MWD	Scientific Drilling
10/29/2008	1,871	18.71	MWD	Scientific Drilling
10/29/2008	1,932	19.19	MWD	Scientific Drilling
10/29/2008	1,955	19.67	MWD	Scientific Drilling
10/29/2008	2,058	19.80	MWD	Scientific Drilling
10/30/2008	2,122	19.85	MWD	Scientific Drilling
10/30/2008	2,185	19.44	MWD	Scientific Drilling
10/30/2008	2,247	19.82	MWD	Scientific Drilling
10/30/2008	2,311	20.27	MWD	Scientific Drilling
10/30/2008	2,374	20.17	MWD	Scientific Drilling
11/2/2008	2,436	20.66	MWD	Scientific Drilling
10/30/2008	2,499	20.95	MWD	Scientific Drilling
10/30/2008	2,562	21.36	MWD	Scientific Drilling
11/2/2008	2,625	20.93	MWD	Scientific Drilling
10/30/2008	2,749	20.36	MWD	Scientific Drilling
10/30/2008	2,874	18.87	MWD	Scientific Drilling
10/30/2008	3,000	18.47	MWD	Scientific Drilling
10/30/2008	3,031	18.01	MWD	Scientific Drilling
10/30/2008	3,061	19.37	MWD	Scientific Drilling
10/30/2008	3,093	20.43	MWD	Scientific Drilling
10/30/2008	3,124	21.10	MWD	Scientific Drilling
10/30/2008	3,156	20.82	MWD	Scientific Drilling
10/30/2008	3,187	20.29	MWD	Scientific Drilling
10/30/2008	3,218	20.18	MWD	Scientific Drilling
10/30/2008	3,249	19.47	MWD	Scientific Drilling
10/30/2008	3,281	19.79	MWD	Scientific Drilling
10/30/2008	3,313	19.87	MWD	Scientific Drilling
10/30/2008	3,344	19.60	MWD	Scientific Drilling
10/30/2008	3,375	19.48	MWD	Scientific Drilling
10/30/2008	3,406	20.15	MWD	Scientific Drilling
10/30/2008	3,468	19.11	MWD	Scientific Drilling
10/30/2008	3,531	19.22	MWD	Scientific Drilling
10/31/2008	3,563	19.37	MWD	Scientific Drilling
10/31/2008	3,595	19.98	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

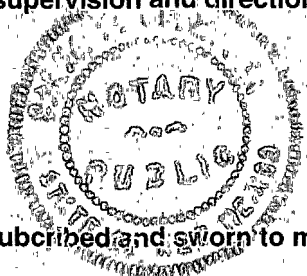
Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
10/31/2008	3,659	20.49	MWD	Scientific Drilling
10/31/2008	3,722	20.22	MWD	Scientific Drilling
10/31/2008	3,785	19.72	MWD	Scientific Drilling
10/31/2008	3,847	19.46	MWD	Scientific Drilling
10/31/2008	3,911	20.02	MWD	Scientific Drilling
10/31/2008	3,972	19.26	MWD	Scientific Drilling
10/31/2008	4,035	19.06	MWD	Scientific Drilling
10/31/2008	4,097	18.74	MWD	Scientific Drilling
10/31/2008	4,159	19.01	MWD	Scientific Drilling
10/31/2008	4,222	18.74	MWD	Scientific Drilling
11/1/2008	4,285	18.52	MWD	Scientific Drilling
11/1/2008	4,347	18.46	MWD	Scientific Drilling
11/1/2008	4,409	17.39	MWD	Scientific Drilling
11/1/2008	4,472	17.03	MWD	Scientific Drilling
11/1/2008	4,535	16.75	MWD	Scientific Drilling
11/1/2008	4,567	15.75	MWD	Scientific Drilling
11/1/2008	4,599	14.59	MWD	Scientific Drilling
11/1/2008	4,630	12.87	MWD	Scientific Drilling
11/1/2008	4,661	11.19	MWD	Scientific Drilling
11/1/2008	4,693	9.57	MWD	Scientific Drilling
11/1/2008	4,724	8.42	MWD	Scientific Drilling
11/1/2008	4,755	7.29	MWD	Scientific Drilling
11/1/2008	4,788	5.89	MWD	Scientific Drilling
11/1/2008	4,819	4.47	MWD	Scientific Drilling
11/1/2008	4,851	2.16	MWD	Scientific Drilling
11/1/2008	4,883	1.10	MWD	Scientific Drilling
11/2/2008	4,914	0.67	MWD	Scientific Drilling
11/2/2008	4,946	0.57	MWD	Scientific Drilling
11/2/2008	4,977	0.12	MWD	Scientific Drilling
11/2/2008	7,614	2.00	Incl	Phoenix Services

RCVD FEB 25 '09
OIL CONS. DIV.

DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.



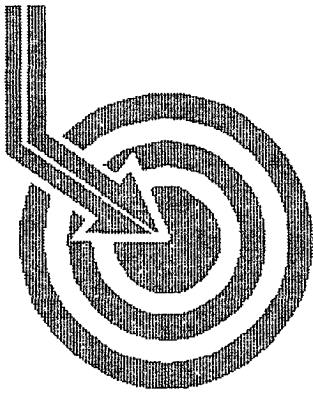
[Signature]

Subscribed and sworn to me this Feb 20th 2009

Dasha O. Spangler

Notary Public in and for San Juan County, New Mexico

My Commission expires March 24th 2012



Scientific Drilling

RCVD FEB 25 '09
OIL CONS. DIV.

BURLINGTON RESOURCES

DIST. 3

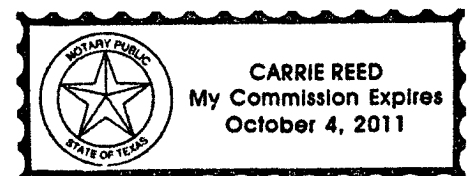
Field: Vaughn
Site: Rio Arriba County, NM
Well: Vaughn #8P
Wellpath: DH - Job #33D1008234
Survey: 10/26/08-11/02/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Richard*.....Company Representative

Notorized this date 14th of November, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 11/13/2008	Time: 21:44:48	Page: 1
Field: Vaughn	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, Grid North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Vaughn #8P	Section (VS) Reference:	Well (0.00N,0.00E,325.47Azi)	
Wellpath: DH- Job #33D1008234	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 10/26/08-11/02/08	Start Date: 10/26/2008
E-field 0'-4977'	
Company: Scientific Drilling Internatio	Engineer: Burrus/Webb/Kasbaum/Fisher
Tool: E-field;E-field	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.00	1.07	240.53	284.98	0.23	-1.31	-2.32	0.38	2.66	240.53
314.00	1.05	242.49	313.98	0.29	-1.57	-2.79	0.14	3.20	240.69
345.00	0.74	275.82	344.97	0.46	-1.68	-3.24	1.91	3.65	242.64
375.00	1.54	311.29	374.97	0.97	-1.39	-3.73	3.44	3.99	249.58
405.00	2.87	310.05	404.95	2.09	-0.64	-4.61	4.44	4.66	262.09
435.00	4.55	314.33	434.88	3.98	0.67	-6.04	5.67	6.08	276.37
466.00	5.15	314.85	465.77	6.55	2.51	-7.90	1.94	8.30	287.64
497.00	5.02	318.35	496.65	9.27	4.51	-9.79	1.08	10.78	294.72
528.00	5.12	321.57	527.53	11.99	6.61	-11.55	0.97	13.31	299.76
558.00	5.82	324.05	557.39	14.85	8.89	-13.28	2.46	15.98	303.79
589.00	5.94	327.87	588.23	18.02	11.52	-15.05	1.32	18.95	307.42
620.00	6.07	329.63	619.06	21.26	14.29	-16.74	0.73	22.01	310.49
651.00	6.39	330.85	649.87	24.61	17.21	-18.41	1.12	25.20	313.08
681.00	6.46	327.97	679.69	27.96	20.10	-20.11	1.10	28.43	314.98
712.00	7.20	327.44	710.47	31.64	23.21	-22.08	2.40	32.04	316.43
743.00	7.97	330.75	741.20	35.72	26.73	-24.18	2.85	36.04	317.86
774.00	8.18	330.30	771.89	40.06	30.52	-26.32	0.71	40.30	319.22
805.00	8.79	333.31	802.55	44.61	34.55	-28.48	2.43	44.77	320.50
836.00	9.27	330.37	833.16	49.44	38.84	-30.78	2.15	49.55	321.60
866.00	9.84	329.01	862.75	54.41	43.13	-33.29	2.04	54.49	322.34
897.00	10.24	326.59	893.27	59.81	47.71	-36.17	1.88	59.87	322.83
928.00	11.04	324.22	923.74	65.53	52.41	-39.43	2.94	65.59	323.05
959.00	11.65	322.41	954.13	71.62	57.30	-43.07	2.28	71.68	323.07
990.00	12.52	323.46	984.45	78.10	62.48	-46.98	2.89	78.17	323.06
1021.00	13.75	324.81	1014.64	85.15	68.19	-51.10	4.09	85.22	323.15
1051.00	14.65	325.58	1043.72	92.51	74.24	-55.30	3.07	92.57	323.31
1082.00	15.64	325.95	1073.64	100.60	80.93	-59.86	3.21	100.66	323.51
1114.00	16.48	326.11	1104.39	109.46	88.27	-64.81	2.63	109.51	323.72
1146.00	16.71	325.62	1135.06	118.60	95.84	-69.93	0.84	118.64	323.88
1177.00	17.41	326.92	1164.70	127.69	103.40	-74.98	2.57	127.73	324.05
1210.00	18.60	327.33	1196.08	137.88	111.97	-80.52	3.63	137.91	324.28
1242.00	19.09	327.32	1226.36	148.22	120.67	-86.10	1.53	148.24	324.49
1304.00	19.17	326.78	1284.94	168.53	137.72	-97.15	0.31	168.54	324.80
1367.00	19.29	327.01	1344.42	189.27	155.10	-108.48	0.23	189.27	325.03
1430.00	19.38	327.15	1403.87	210.12	172.61	-119.82	0.16	210.12	325.23
1493.00	18.81	325.74	1463.41	230.72	189.79	-131.21	1.16	230.73	325.34
1556.00	18.51	325.21	1523.09	250.88	206.39	-142.63	0.55	250.88	325.35
1619.00	19.59	323.78	1582.64	271.44	223.13	-154.58	1.87	271.44	325.29
1682.00	19.66	323.86	1641.98	292.59	240.21	-167.07	0.12	292.59	325.18
1745.00	19.50	322.79	1701.34	313.69	257.14	-179.68	0.62	313.69	325.06
1808.00	19.05	322.19	1760.81	334.45	273.64	-192.34	0.78	334.47	324.90
1871.00	18.71	321.06	1820.42	354.79	289.62	-204.99	0.79	354.83	324.71
1932.00	19.19	321.13	1878.11	374.55	305.03	-217.43	0.79	374.60	324.52
1955.00	19.67	321.03	1899.80	382.17	310.99	-222.24	2.09	382.23	324.45
2058.00	19.80	320.49	1996.75	416.84	337.92	-244.24	0.22	416.95	324.14
2122.00	19.85	320.19	2056.96	438.45	354.63	-258.09	0.18	438.61	323.95
2185.00	19.44	317.14	2116.29	459.48	370.54	-272.07	1.75	459.70	323.71
2247.00	19.82	320.75	2174.69	480.16	386.24	-285.74	2.05	480.45	323.51



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: BURLINGTON RESOURCES
Field: Vaughn
Site: Rio Arriba County, NM
Well: Vaughn #8P
Wellpath: DH - Job #33D1008234

Date: 11/13/2008 Time: 21:44:48 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,325.47Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2311.00	20.27	322.16	2234.82	502.05	403.40	-299.41	1.03	502.37	323.42
2374.00	20.17	321.48	2293.93	523.78	420.51	-312.87	0.41	524.13	323.35
2436.00	20.66	320.92	2352.04	545.34	437.37	-326.42	0.85	545.75	323.26
2499.00	20.95	323.34	2410.93	567.68	455.03	-340.15	1.44	568.11	323.22
2562.00	21.36	327.26	2469.69	590.40	473.72	-353.08	2.34	590.82	323.30
2625.00	20.93	327.65	2528.45	613.11	492.87	-365.31	0.72	613.49	323.45
2749.00	20.36	327.36	2644.48	656.80	529.75	-388.79	0.47	657.11	323.72
2874.00	18.87	325.13	2762.23	698.75	564.64	-412.08	1.33	699.02	323.88
3000.00	18.47	328.59	2881.60	739.06	598.40	-434.13	0.93	739.29	324.04
3031.00	18.01	328.78	2911.04	748.75	606.69	-439.17	1.50	748.96	324.10
3061.00	19.37	330.30	2939.46	758.33	614.97	-444.04	4.81	758.53	324.17
3093.00	20.43	330.53	2969.55	769.19	624.45	-449.42	3.32	769.36	324.26
3124.00	21.10	329.43	2998.54	780.14	633.96	-454.92	2.50	780.29	324.34
3156.00	20.82	329.92	3028.42	791.56	643.84	-460.70	1.03	791.69	324.41
3187.00	20.29	328.29	3057.45	802.42	653.18	-466.29	2.52	802.54	324.48
3218.00	20.18	328.64	3086.53	813.13	662.32	-471.89	0.53	813.24	324.53
3249.00	19.47	327.72	3115.70	823.63	671.25	-477.44	2.50	823.73	324.58
3281.00	19.79	328.37	3145.84	834.37	680.38	-483.13	1.21	834.46	324.62
3313.00	19.87	328.40	3175.94	845.21	689.62	-488.82	0.25	845.29	324.67
3344.00	19.60	328.81	3205.12	855.66	698.56	-494.27	0.98	855.73	324.72
3375.00	19.48	329.26	3234.33	866.01	707.45	-499.60	0.62	866.07	324.77
3406.00	20.15	330.70	3263.50	876.48	716.55	-504.86	2.67	876.54	324.83
3468.00	19.11	329.95	3321.89	897.24	734.64	-515.17	1.73	897.27	324.96
3531.00	19.22	329.59	3381.40	917.86	752.51	-525.58	0.26	917.88	325.07
3563.00	19.37	329.44	3411.60	928.41	761.62	-530.94	0.49	928.43	325.12
3595.00	19.98	329.01	3441.74	939.16	770.88	-536.46	1.96	939.17	325.17
3659.00	20.49	326.93	3501.79	961.27	789.64	-548.20	1.38	961.28	325.23
3722.00	20.22	326.77	3560.85	983.18	807.99	-560.18	0.44	983.18	325.27
3785.00	19.72	326.77	3620.06	1004.69	825.99	-571.97	0.79	1004.69	325.30
3847.00	19.46	327.17	3678.47	1025.47	843.41	-583.31	0.47	1025.47	325.33
3911.00	20.02	326.33	3738.71	1047.08	861.49	-595.16	0.98	1047.08	325.36
3972.00	19.26	325.15	3796.16	1067.58	878.44	-606.70	1.41	1067.58	325.37
4035.00	19.06	325.32	3855.68	1088.26	895.42	-618.49	0.33	1088.26	325.37
4097.00	18.74	324.64	3914.33	1108.34	911.87	-630.01	0.63	1108.34	325.36
4159.00	19.01	322.81	3973.00	1128.38	928.04	-641.88	1.05	1128.39	325.33
4222.00	18.74	322.95	4032.61	1148.74	944.29	-654.18	0.43	1148.75	325.29
4285.00	18.52	322.47	4092.31	1168.85	960.30	-666.37	0.43	1168.86	325.24
4347.00	18.46	323.42	4151.11	1188.49	975.99	-678.22	0.50	1188.50	325.20
4409.00	17.39	322.40	4210.10	1207.55	991.21	-689.72	1.80	1207.57	325.17
4472.00	17.03	321.30	4270.28	1226.15	1005.87	-701.23	0.77	1226.18	325.12
4535.00	16.75	324.95	4330.56	1244.43	1020.51	-712.22	1.74	1244.46	325.09
4567.00	15.75	325.55	4361.28	1253.39	1027.86	-717.32	3.17	1253.42	325.09
4599.00	14.59	327.69	4392.17	1261.76	1034.85	-721.93	4.02	1261.78	325.10
4630.00	12.87	328.56	4422.28	1269.11	1041.10	-725.82	5.59	1269.13	325.12
4661.00	11.19	329.26	4452.60	1275.56	1046.63	-729.16	5.44	1275.58	325.14
4693.00	9.57	329.25	4484.08	1281.31	1051.58	-732.11	5.06	1281.33	325.15
4724.00	8.42	327.87	4514.69	1286.15	1055.72	-734.63	3.77	1286.17	325.17
4755.00	7.29	329.08	4545.40	1290.38	1059.33	-736.85	3.68	1290.40	325.18
4788.00	5.89	333.78	4578.18	1294.15	1062.64	-738.67	4.54	1294.16	325.20
4819.00	4.47	337.50	4609.06	1296.90	1065.19	-739.84	4.70	1296.91	325.22
4851.00	2.16	336.51	4641.00	1298.71	1066.89	-740.56	7.22	1298.72	325.23
4883.00	1.10	313.28	4672.99	1299.60	1067.66	-741.02	3.84	1299.62	325.24



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: BURLINGTON RESOURCES

Field: Vaughn

Site: Rio Arriba County, NM

Well: Vaughn #8P

Wellpath: DH - Job #33D1008234

Date: 11/13/2008

Time: 21:44:48

Page: 3

Co-ordinate(NE) Reference:

Site: Rio Arriba County, NM, Grid North

Vertical (TVD) Reference:

SITE 0.0

Section (VS) Reference:

Well (0.00N,0.00E,325.47Azi)

Survey Calculation Method:

Minimum Curvature

Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4914.00	0.67	344.99	4703.98	1300.07	1068.03	-741.28	2.05	1300.08	325.24
4946.00	0.57	357.91	4735.98	1300.38	1068.37	-741.34	0.54	1300.39	325.24
4977.00	0.12	350.44	4766.98	1300.54	1068.56	-741.35	1.46	1300.55	325.25

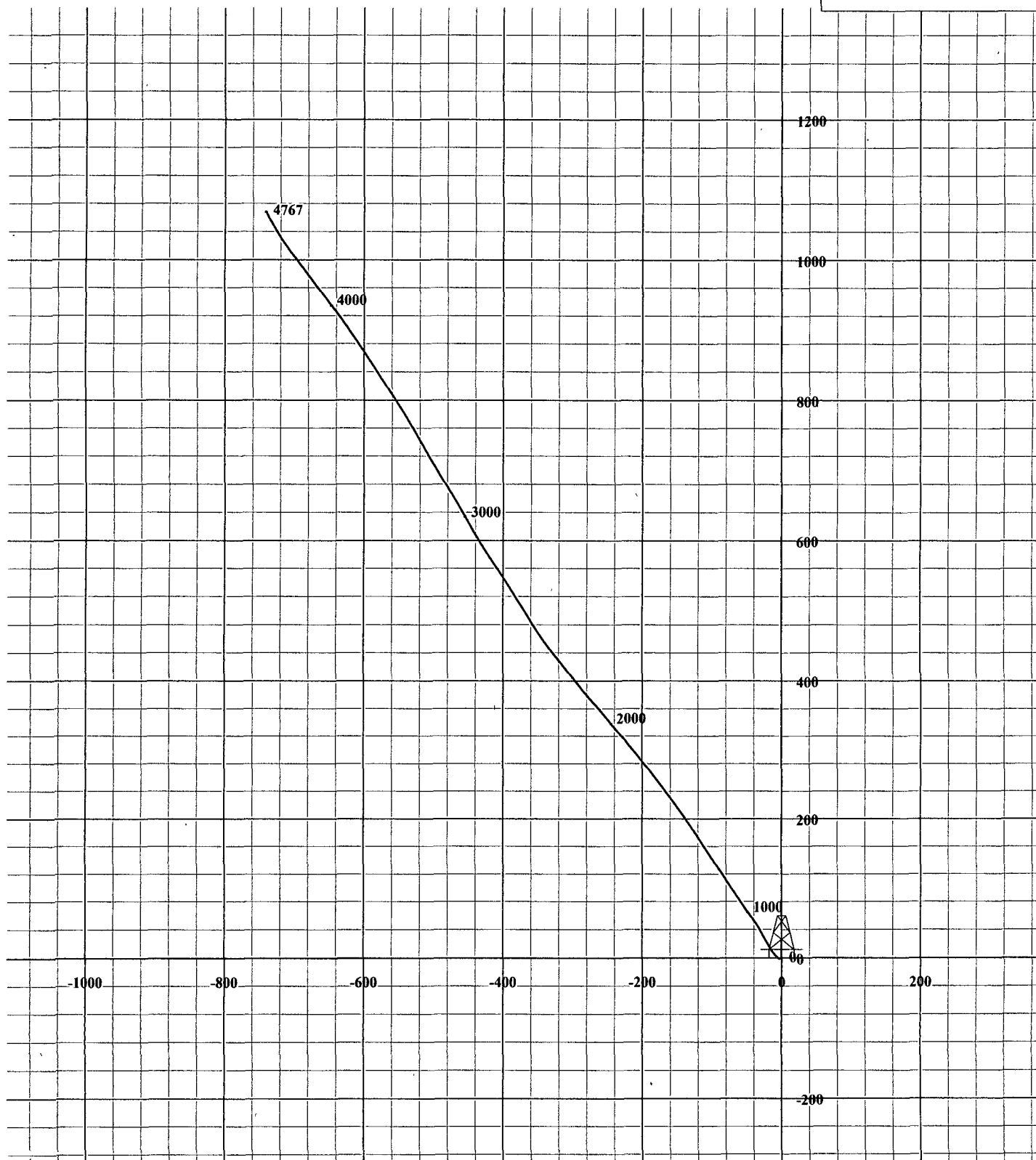


Scientific
Drilling

Field: Vaughn
Site: Rio Arriba County, NM
Well: Vaughn #8P
Wellpath: DH - Job #33D1008234
Survey: 10/26/08-11/02/08



Azimuths to Grid North
True North 0 00°
Magnetic North 0 00°
Magnetic Field
Strength 0n1
Dip Angle 0 00°
Date 11/13/2008
Model vgr2000



South(-)/North(+) [200ft/in]

West(-)/East(+) [200ft/in]