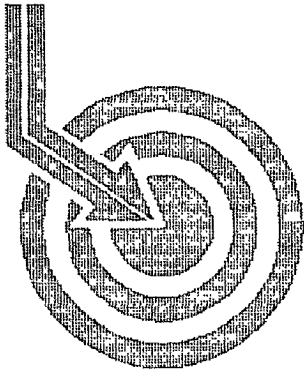




Scientific Drilling

TRD 6812'
MS 7020'

RCVD FEB 21 '08
OIL CONS. DIV.
DIST. 3

BURLINGTON RESOURCES

Field: Filan
Site: Rio Arriba County, NM
Well: Filan #6M
Wellpath: DH - Job #33D12071115
Survey: 12/07/07-12/11/07

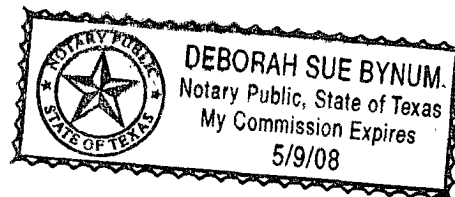
This survey is correct to the best of my knowledge
and is supported by actual field data.

Luhaith.....Company Representative

Notorized this date 22nd of January, 2008.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 01/21/2008	Time: 15:11:00	Page: 1
Field: Filan	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, Grid North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Filan #6M	Section (VS) Reference:	Well (0.00N,0.00E,56.91Azi)	
Wellpath: DH - Job #33D12071115	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 12/07/07-12/11/07	Start Date: 12/07/2007
E-field 0'-4296'	
Company: Scientific Drilling Internatio	Engineer: Calvert/Rasmussen/Fleming/Ande
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
303.00	0.20	68.94	303.00	0.52	0.19	0.49	0.07	0.53	68.94
364.00	1.37	86.56	363.99	1.26	0.27	1.32	1.94	1.35	78.36
425.00	4.50	83.81	424.91	4.02	0.57	4.43	5.13	4.47	82.62
485.00	7.22	81.65	484.59	9.55	1.38	10.50	4.55	10.59	82.54
546.00	10.01	81.07	544.89	17.87	2.76	19.53	4.58	19.73	81.97
608.00	12.26	82.06	605.72	28.74	4.50	31.38	3.64	31.70	81.84
670.00	13.99	81.19	666.10	41.54	6.56	45.30	2.81	45.78	81.76
731.00	15.03	82.10	725.15	55.41	8.78	60.42	1.75	61.06	81.74
791.00	16.19	80.90	782.94	70.10	11.17	76.39	2.01	77.20	81.68
853.00	16.86	79.28	842.38	86.31	14.21	93.76	1.31	94.83	81.38
915.00	17.37	73.44	901.64	103.50	18.52	111.47	2.89	112.99	80.57
976.00	17.18	66.19	959.89	121.12	24.75	128.44	3.54	130.80	79.09
1038.00	17.43	59.94	1019.09	139.43	33.10	144.85	3.02	148.59	77.13
1099.00	18.22	56.45	1077.16	158.09	42.95	160.71	2.18	166.35	75.04
1160.00	17.87	56.65	1135.16	176.99	53.36	176.47	0.58	184.37	73.18
1224.00	17.79	53.28	1196.09	196.56	64.61	192.51	1.62	203.07	71.45
1287.00	18.70	53.19	1255.92	216.25	76.41	208.31	1.45	221.89	69.86
1349.00	20.10	53.40	1314.40	236.80	88.72	224.83	2.26	241.70	68.47
1412.00	21.66	53.32	1373.26	259.21	102.12	242.84	2.48	263.44	67.19
1476.00	22.37	53.32	1432.59	283.15	116.45	262.08	1.11	286.79	66.04
1538.00	22.16	52.68	1489.97	306.59	130.59	280.84	0.52	309.72	65.06
1602.00	22.00	52.81	1549.28	330.58	145.15	299.99	0.26	333.26	64.18
1664.00	22.02	52.45	1606.76	353.75	159.25	318.46	0.22	356.06	63.43
1727.00	22.21	51.39	1665.13	377.38	173.88	337.13	0.70	379.33	62.72
1790.00	21.79	51.56	1723.54	400.87	188.58	355.59	0.67	402.50	62.06
1854.00	21.32	51.65	1783.06	424.29	203.18	374.02	0.74	425.64	61.49
1918.00	21.77	51.43	1842.59	447.69	217.80	392.42	0.71	448.81	60.97
1981.00	20.82	53.61	1901.29	470.49	231.73	410.57	1.96	471.45	60.56
2043.00	21.21	55.19	1959.17	492.70	244.67	428.65	1.11	493.56	60.28
2106.00	20.94	54.70	2017.95	515.34	257.68	447.19	0.51	516.12	60.05
2169.00	21.53	56.41	2076.67	538.15	270.58	466.01	1.36	538.87	59.86
2230.00	22.02	56.74	2133.32	560.78	283.05	484.90	0.83	561.46	59.73
2293.00	21.52	57.09	2191.83	584.15	295.80	504.47	0.82	584.80	59.61
2357.00	20.94	57.32	2251.48	607.32	308.35	523.95	0.92	607.95	59.52
2419.00	22.39	57.31	2309.10	630.21	320.71	543.22	2.34	630.83	59.44
2482.00	22.41	56.70	2367.35	654.22	333.79	563.35	0.37	654.81	59.35
2545.00	21.91	57.05	2425.70	677.98	346.77	583.25	0.82	678.55	59.27
2607.00	20.93	56.39	2483.41	700.62	359.20	602.18	1.63	701.17	59.18
2670.00	21.33	55.48	2542.18	723.33	371.92	620.99	0.82	723.85	59.08
2732.00	22.06	53.95	2599.79	746.23	385.16	639.70	1.49	746.70	58.95
2795.00	23.60	53.50	2657.85	770.63	399.62	659.40	2.46	771.05	58.78
2858.00	22.21	52.19	2715.88	795.09	414.43	678.95	2.35	795.44	58.60
2922.00	21.58	53.06	2775.26	818.89	428.92	697.91	1.11	819.18	58.43
2985.00	22.47	55.85	2833.67	842.49	442.64	717.14	2.18	842.74	58.32
3047.00	21.79	55.86	2891.10	865.84	455.75	736.47	1.10	866.08	58.25
3110.00	22.14	54.78	2949.53	889.39	469.16	755.84	0.85	889.61	58.17
3177.00	21.92	53.92	3011.63	914.50	483.80	776.26	0.58	914.69	58.07
3237.00	22.17	53.13	3067.25	936.98	497.19	794.37	0.65	937.14	57.96



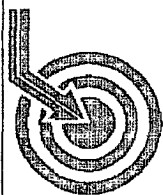
Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: Filan
Site: Rio Arriba County, NM
Well: Filan #6M
Wellpath: DH - Job #33D12071115

Date: 01/21/2008 Time: 15:11:00 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,56.91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

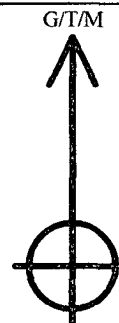
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3301.00	21.24	52.83	3126.71	960.59	511.44	813.27	1.46	960.72	57.84
3365.00	21.58	54.41	3186.29	983.91	525.29	832.08	1.05	984.02	57.74
3427.00	21.99	55.86	3243.87	1006.91	538.44	850.96	1.09	1007.00	57.68
3491.00	21.64	56.12	3303.28	1030.69	551.75	870.67	0.57	1030.77	57.64
3554.00	20.34	55.21	3362.10	1053.25	564.47	889.31	2.13	1053.33	57.60
3618.00	18.65	52.55	3422.43	1074.58	577.04	906.57	2.98	1074.64	57.52
3679.00	16.71	50.77	3480.55	1093.02	588.52	921.11	3.30	1093.07	57.42
3742.00	15.36	50.59	3541.09	1110.32	599.54	934.57	2.14	1110.35	57.32
3805.00	13.85	50.16	3602.06	1126.10	609.67	946.81	2.40	1126.12	57.22
3868.00	12.06	51.10	3663.45	1140.14	618.64	957.72	2.86	1140.15	57.14
3930.00	10.33	50.12	3724.27	1152.11	626.27	967.03	2.81	1152.11	57.07
3993.00	9.09	48.17	3786.37	1162.63	633.21	975.07	2.04	1162.63	57.00
4056.00	7.98	50.72	3848.67	1171.90	639.30	982.16	1.86	1171.90	56.94
4119.00	6.47	53.54	3911.17	1179.79	644.18	988.40	2.46	1179.79	56.91
4182.00	5.25	55.64	3973.84	1186.22	647.91	993.64	1.97	1186.22	56.89
4245.00	4.14	56.15	4036.62	1191.37	650.81	997.91	1.76	1191.37	56.89
4296.00	2.55	45.32	4087.53	1194.32	652.63	1000.24	3.34	1194.32	56.88



Scientific
Drilling

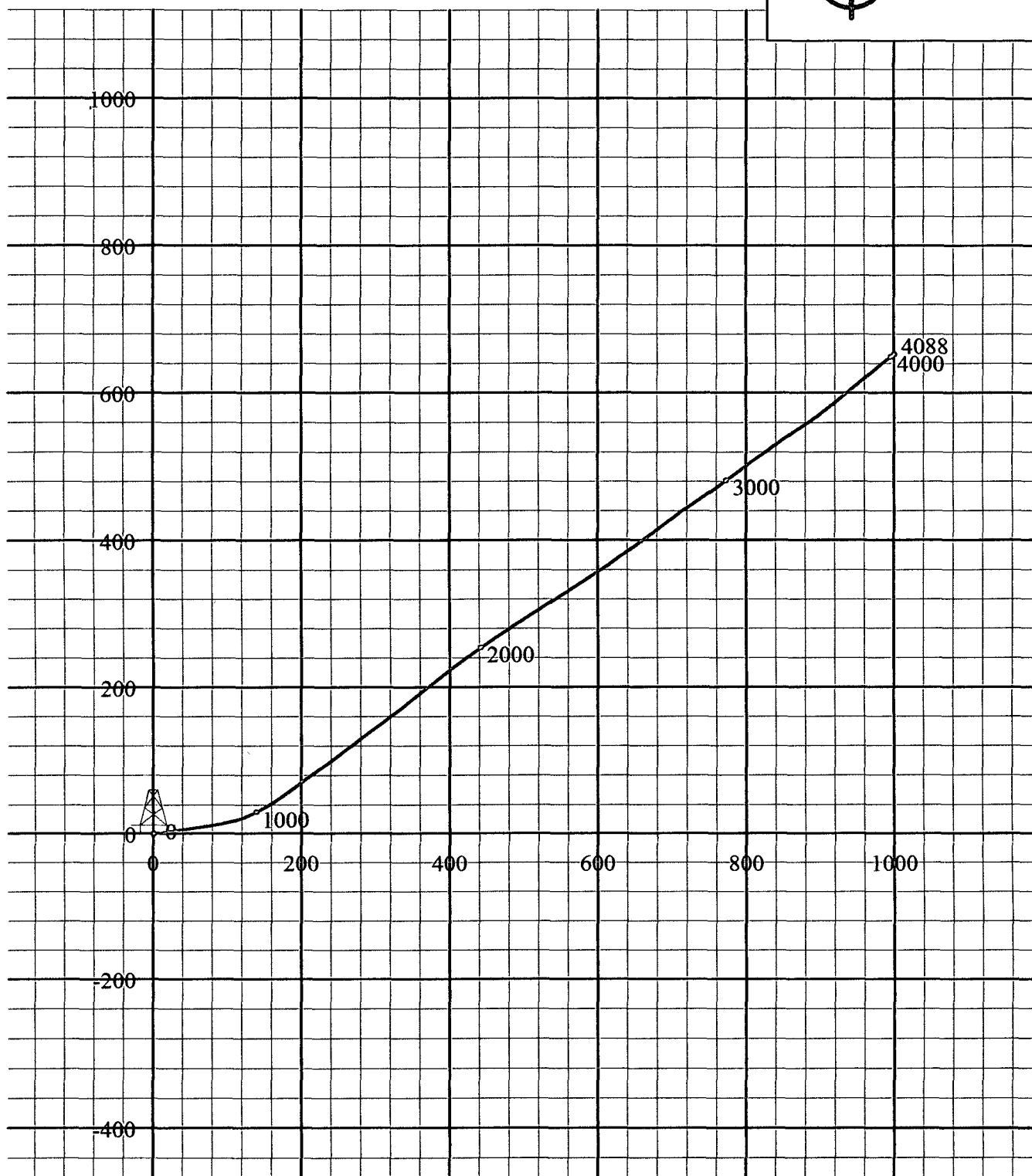
Field: Filan
Site: Rio Arriba County, NM
Well: Filan #6M
Wellpath: DH - Job #33D12071115
Survey: 12/07/07-12/11/07



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 01/21/2008
Model: igrf2000

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



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

RCVD FEB 21 '08

OIL CONS. DIV.

DIST. 3

District I

1625 N. Pecos Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Arisles, NM 88210

District III

1000 Rio Branca Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

"As Drilled Plat"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34416		² Pool Code 72319/71599		³ Pool Name Blanco Mesaverde/Basin Dakota	
⁴ Property Code 7018		⁵ Property Name FILAN			⁶ Well Number 6M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY			⁹ Elevation 6081

¹⁰ SURFACE LOCATION

U/L or lot no.	Section	Township	Range	Lot Lda	Feet from the	North/South line	Feet from the	East/West line	County
0	5	27-N	8-W		1130	SOUTH	1900	EAST	SAN JUAN

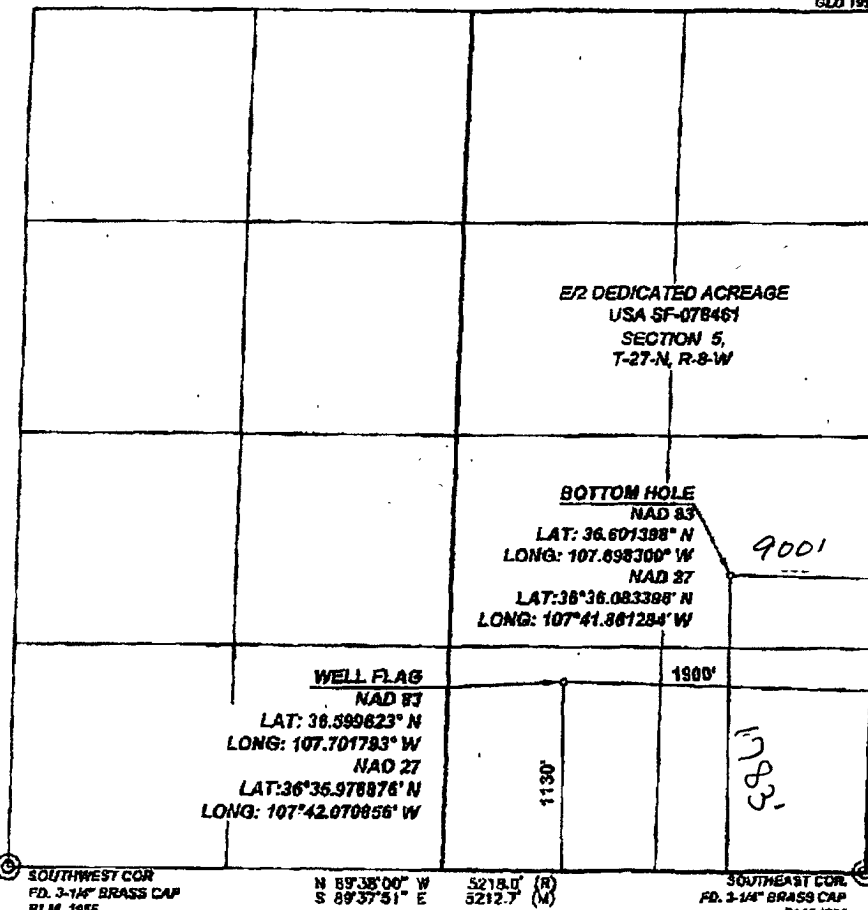
¹¹ Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Lda	Feet from the	North/South line	Feet from the	East/West line	County
1	5	27-N	8-W		1783'	SOUTH	900'	EAST	SAN JUAN

¹² Dedicated Acreage 321.48	¹³ Joint or Infill E/2	¹⁴ Consolidation Code	¹⁵ Order No.
---	--------------------------------------	----------------------------------	-------------------------

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

NORTHEAST COR.
FD. 3-14" BRASS CAP
BLM 1955

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

Signature: Rhonda Rogers 2-18-08 Date

Printed Name: Rhonda Rogers

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.

Date of Survey: 7-1-07

Signature and Seal of Professional Surveyor:

Certificate Number: 11393

SOUTHWEST COR.
FD. 3-14" BRASS CAP
BLM 1955

N 89°38'00" W 5218.0' (R)
S 89°37'51" E 5212.7' (M)

SOUTHEAST COR.
FD. 3-14" BRASS CAP
BLM 1966

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/9/2007	2,293.00	21.52	MWD	Scientific Drilling
12/9/2007	2,357.00	20.94	MWD	Scientific Drilling
12/9/2007	2,419.00	22.39	MWD	Scientific Drilling
12/9/2007	2,482.00	22.41	MWD	Scientific Drilling
12/9/2007	2,545.00	21.91	MWD	Scientific Drilling
12/9/2007	2,607.00	20.93	MWD	Scientific Drilling
12/9/2007	2,670.00	21.33	MWD	Scientific Drilling
12/9/2007	2,732.00	22.06	MWD	Scientific Drilling
12/9/2007	2,795.00	23.60	MWD	Scientific Drilling
12/9/2007	2,858.00	22.21	MWD	Scientific Drilling
12/9/2007	2,922.00	21.58	MWD	Scientific Drilling
12/9/2007	2,985.00	22.47	MWD	Scientific Drilling
12/9/2007	3,047.00	21.79	MWD	Scientific Drilling
12/9/2007	3,110.00	22.14	MWD	Scientific Drilling
12/9/2007	3,177.00	21.92	MWD	Scientific Drilling
12/9/2007	3,237.00	22.17	MWD	Scientific Drilling
12/9/2007	3,301.00	21.24	MWD	Scientific Drilling
12/10/2007	3,365.00	21.58	MWD	Scientific Drilling
12/10/2007	3,427.00	21.99	MWD	Scientific Drilling
12/10/2007	3,491.00	21.64	MWD	Scientific Drilling
12/10/2007	3,554.00	20.34	MWD	Scientific Drilling
12/10/2007	3,618.00	18.65	MWD	Scientific Drilling
12/10/2007	3,679.00	16.71	MWD	Scientific Drilling
12/10/2007	3,742.00	15.36	MWD	Scientific Drilling
12/10/2007	3,805.00	13.85	MWD	Scientific Drilling
12/10/2007	3,868.00	12.06	MWD	Scientific Drilling
12/10/2007	3,930.00	10.33	MWD	Scientific Drilling
12/10/2007	3,993.00	9.09	MWD	Scientific Drilling
12/10/2007	4,056.00	7.98	MWD	Scientific Drilling
12/10/2007	4,119.00	6.47	MWD	Scientific Drilling
12/10/2007	4,182.00	5.25	MWD	Scientific Drilling
12/10/2007	4,245.00	4.14	MWD	Scientific Drilling
12/11/2007	4,296.00	2.55	MWD	Scientific Drilling
12/11/2007	4,344.00	0.00	MWD	Scientific Drilling
12/28/2007	6,999.00	0.75	FINAL BHS	PHOENIX

RCVD FEB 21 '08
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.



Subscribed and sworn to me this 2-19-08



Notary Public in and for San Juan County, New Mexico

My Commission expires January 10, 2011

Operator BURLINGTON RESOURCES OIL & GAS CO	Legal WellName FILAN #6M	API / UWI 3004534416	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location SEC:05;TWN:027N;RNG:008W	N/S Dist (ft) 1,130.00	N/S Ref FSL	E/W Dist (ft) 1,900.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl. (°)	Method	Survey Company
12/6/2007	37.00	0.75	Incl	
12/6/2007	90.00	0.75	Incl	
12/6/2007	213.00	0.75	Incl	
12/8/2007	303.00	0.20	MWD	Scientific Drilling
12/8/2007	364.00	1.30	MWD	Scientific Drilling
12/8/2007	425.00	4.50	MWD	Scientific Drilling
12/8/2007	485.00	7.22	MWD	Scientific Drilling
12/8/2007	546.00	10.01	MWD	Scientific Drilling
12/8/2007	608.00	12.26	MWD	Scientific Drilling
12/8/2007	670.00	13.99	MWD	Scientific Drilling
12/8/2007	731.00	15.03	MWD	Scientific Drilling
12/8/2007	791.00	16.19	MWD	Scientific Drilling
12/8/2007	853.00	16.86	MWD	Scientific Drilling
12/8/2007	915.00	17.37	MWD	Scientific Drilling
12/8/2007	976.00	17.18	MWD	Scientific Drilling
12/8/2007	1,038.00	17.43	MWD	Scientific Drilling
12/8/2007	1,099.00	18.22	MWD	Scientific Drilling
12/8/2007	1,160.00	17.87	MWD	Scientific Drilling
12/8/2007	1,224.00	17.79	MWD	Scientific Drilling
12/8/2007	1,287.00	18.70	MWD	Scientific Drilling
12/8/2007	1,349.00	20.10	MWD	Scientific Drilling
12/8/2007	1,412.00	21.66	MWD	Scientific Drilling
12/9/2007	1,476.00	22.37	MWD	Scientific Drilling
12/9/2007	1,538.00	22.16	MWD	Scientific Drilling
12/9/2007	1,602.00	22.00	MWD	Scientific Drilling
12/9/2007	1,664.00	22.02	MWD	Scientific Drilling
12/9/2007	1,727.00	22.21	MWD	Scientific Drilling
12/9/2007	1,790.00	21.79	MWD	Scientific Drilling
12/9/2007	1,854.00	21.32	MWD	Scientific Drilling
12/9/2007	1,918.00	21.77	MWD	Scientific Drilling
12/9/2007	1,981.00	20.82	MWD	Scientific Drilling
12/9/2007	2,043.00	21.21	MWD	Scientific Drilling
12/9/2007	2,106.00	20.94	MWD	Scientific Drilling
12/9/2007	2,169.00	21.53	MWD	Scientific Drilling
12/9/2007	2,230.00	22.02	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 _____