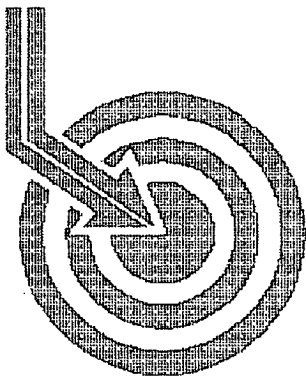




Scientific Drilling

BURLINGTON RESOURCES

Field: Sunray
Site: San Juan County, NM
Well: Sunray F #1M
Wellpath: DH - Job #32D1205930
Survey: 12/21/05-01/04/06

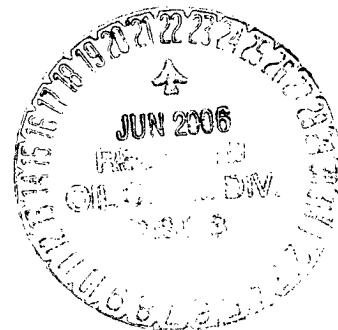
30-045-30830

26-30N-10W

Surface Loc = 1745/S 1420/E
BHL — 690/S 697/E

MD - 4350'

TVI - 4116'



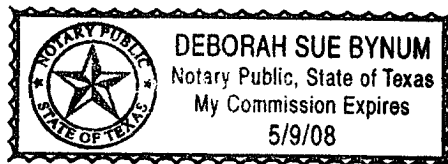
This survey is correct to the best of my knowledge
and is supported by actual field data.

Deborah Sue Bynum Company Representative

Notorized this date 6th of March, 2006.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: Sunray
Site: San Juan County, NM
Well: Sunray F #1M
Wellpath: DH - Job #32D1205930

Date: 03/06/2006 Time: 17:51:47 Page: 1
Co-ordinate(NE) Reference: Site: San Juan County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,145.43Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/21/05-01/04/06
MWD 0'-4350'

Start Date: 12/21/2005

Company: Scientific Drilling Internatio
Tool: MWD;MWD

Engineer: Smith/Prejean/Perez/Woolfolk/B
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
400.00	0.21	96.42	400.00	0.48	-0.08	0.73	0.05	0.73	96.42
480.00	2.59	120.66	459.98	1.78	-0.79	2.00	4.00	2.15	111.41
522.00	5.15	128.53	521.83	5.72	-3.23	5.39	4.21	6.28	120.98
584.00	7.46	136.66	583.45	12.36	-7.90	10.33	3.99	13.00	127.40
645.00	11.29	140.16	643.63	22.22	-15.36	16.87	6.35	22.82	132.32
706.00	14.34	141.01	703.10	35.70	-25.82	25.45	5.01	36.26	135.41
768.00	16.56	141.35	762.86	52.17	-38.69	35.80	3.58	52.72	137.22
830.00	19.00	142.13	821.89	71.07	-53.56	47.52	3.95	71.60	138.42
891.00	20.56	142.76	879.29	91.68	-69.93	60.10	2.58	92.20	139.32
954.00	21.69	141.96	938.06	114.35	-87.90	73.97	1.85	114.88	139.92
1016.00	21.86	143.31	995.63	137.32	-106.18	87.92	0.85	137.86	140.37
1078.00	22.40	142.44	1053.06	160.66	-124.80	102.02	1.02	161.20	140.74
1141.00	23.05	144.22	1111.17	184.97	-144.33	116.55	1.50	185.51	141.08
1203.00	23.94	144.79	1168.03	209.69	-164.45	130.90	1.48	210.19	141.48
1264.00	24.10	146.91	1223.75	234.51	-185.00	144.83	1.44	234.95	141.94
1326.00	24.35	146.61	1280.29	259.95	-206.27	158.78	0.45	260.31	142.41
1389.00	24.87	146.52	1337.57	286.18	-228.17	173.24	0.83	286.48	142.79
1451.00	24.67	146.25	1393.87	312.15	-249.80	187.62	0.37	312.41	143.09
1514.00	24.26	147.15	1451.21	338.23	-271.61	201.94	0.88	338.45	143.37
1575.00	24.37	146.50	1506.80	363.34	-292.63	215.68	0.47	363.53	143.61
1638.00	23.45	146.73	1564.39	388.87	-313.95	229.74	1.47	389.03	143.80
1700.00	23.85	146.32	1621.18	413.74	-334.69	243.45	0.70	413.87	143.97
1763.00	24.42	145.50	1678.68	439.50	-356.03	257.89	1.05	439.62	144.08
1826.00	23.06	149.00	1736.35	464.84	-377.34	271.63	3.11	464.93	144.25
1888.00	22.89	149.44	1793.43	488.98	-398.13	284.01	0.39	489.05	144.50
1951.00	23.12	149.33	1851.42	513.55	-419.32	296.55	0.37	513.58	144.73
2012.00	23.37	148.92	1907.47	537.57	-439.98	308.90	0.49	537.59	144.93
2075.00	23.18	147.67	1965.34	562.43	-461.16	321.99	0.84	562.44	145.08
2138.00	23.10	145.58	2023.27	587.18	-481.83	335.60	1.31	587.19	145.14
2201.00	23.65	146.02	2081.10	612.17	-502.50	349.65	0.92	612.18	145.17
2264.00	24.24	145.80	2138.68	637.74	-523.68	363.98	0.95	637.75	145.20
2295.00	23.65	145.08	2167.01	650.32	-534.04	371.12	2.12	650.33	145.20
2356.00	23.44	144.41	2222.93	674.69	-553.94	385.18	0.56	674.70	145.19
2419.00	23.91	145.48	2280.63	699.98	-574.65	399.71	1.01	699.99	145.18
2481.00	22.15	143.97	2337.69	724.24	-594.45	413.71	2.99	724.24	145.16
2544.00	22.42	145.37	2395.98	748.12	-613.94	427.52	0.95	748.13	145.15
2606.00	22.33	145.14	2453.32	771.72	-633.34	440.97	0.20	771.73	145.15
2670.00	21.69	143.90	2512.65	795.70	-652.87	454.89	1.24	795.72	145.13
2732.00	21.57	143.70	2570.29	818.55	-671.31	468.39	0.23	818.56	145.10
2795.00	21.16	143.79	2628.96	841.49	-689.82	481.96	0.65	841.51	145.06
2858.00	20.70	144.66	2687.80	863.99	-708.08	495.12	0.88	864.01	145.04
2921.00	20.50	144.02	2746.77	886.15	-726.09	508.04	0.48	886.17	145.02
2983.00	19.83	142.66	2804.97	907.51	-743.23	520.80	1.32	907.54	144.98
3046.00	18.67	143.37	2864.45	928.26	-759.82	533.29	1.88	928.29	144.94
3109.00	19.15	142.51	2924.05	948.66	-776.11	545.60	0.88	948.70	144.89
3172.00	19.23	143.78	2983.55	969.35	-792.68	558.02	0.67	969.40	144.86
3235.00	18.80	146.96	3043.11	989.87	-809.56	569.69	1.78	989.91	144.87
3297.00	18.55	146.92	3101.85	1009.71	-826.20	580.52	0.40	1009.75	144.91



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES

Date: 03/08/2006

Time: 17:51:47

Page: 2

Field: Sunray

Co-ordinate(NE) Reference:

Site: San Juan County, NM, Grid North

Site: San Juan County, NM

Vertical (TVD) Reference:

SITE 0.0

Well: Sunray F #1M

Section (VS) Reference:

Well (0.00N,0.00E,145.43Azi)

Wellpath: DH - Job #32D1205930

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
3360.00	18.54	149.14	3161.57	1029.73	-843.19	591.12	1.12	1029.76	144.97
3424.00	18.90	147.39	3222.19	1050.24	-860.66	601.93	1.04	1050.26	145.03
3487.00	19.02	147.84	3281.77	1070.69	-877.95	612.89	0.30	1070.71	145.08
3548.00	18.55	149.64	3339.52	1090.30	-894.73	623.09	1.22	1090.31	145.15
3610.00	18.15	148.05	3398.37	1109.78	-911.44	633.18	1.03	1109.79	145.21
3671.00	18.58	150.92	3456.26	1128.95	-927.99	642.93	1.64	1128.95	145.28
3732.00	18.49	149.98	3514.10	1148.26	-944.86	652.50	0.51	1148.26	145.37
3793.00	17.53	150.89	3572.11	1167.05	-961.26	661.80	1.64	1167.05	145.45
3856.00	16.88	150.55	3632.29	1185.61	-977.52	670.92	1.04	1185.61	145.54
3919.00	16.24	149.20	3692.68	1203.51	-993.05	679.92	1.19	1203.51	145.60
3982.00	14.76	145.24	3753.39	1220.32	-1007.21	689.01	2.89	1220.33	145.62
4045.00	13.35	143.97	3814.50	1235.62	-1019.69	697.87	2.29	1235.63	145.61
4108.00	11.76	144.12	3875.99	1249.31	-1030.77	705.91	2.52	1249.32	145.60
4171.00	9.77	142.08	3937.88	1261.07	-1040.19	712.96	3.22	1261.07	145.57
4233.00	6.56	144.31	3999.24	1269.86	-1047.22	718.26	5.20	1269.87	145.55
4265.00	5.68	145.78	4031.06	1273.27	-1050.01	720.21	2.79	1273.28	145.55
4312.00	3.79	148.04	4077.90	1277.15	-1053.25	722.34	4.04	1277.15	145.56
4350.00	2.21	148.04	4115.85	1279.14	-1054.94	723.40	4.16	1279.14	145.56



**Scientific
Drilling**

Field: Sunray
Site: San Juan County, NM
Well: Sunray F #1M
Wellpath: DH - Job #32D1205930
Survey: 12/21/05-01/04/06



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 03/06/2006
Model: igr2000

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

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

