

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

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

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

DISTRICT IV
1220 South 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 - 4 Copies

Fee Lease - 3 Copies

RCVD SEP 29 '08

AMENDED REPORT
OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT DIST. 3

¹ API Number 30-039-30080	² Pool Code 72400	³ Pool Name EAST BLANCO PICTURED CLIFFS
⁴ Property Code 24247	⁵ Property Name JICARILLA 29-02-09	⁶ Well Number 143
⁷ GRID No 013925	⁸ Operator Name BLACK HILLS GAS RESOURCES	⁹ Elevation 7365

¹⁰ Surface Location

UL or lot no. O	Section 9	Township 29-N	Range 2-W	Lot Idn	Feet from the 500	North/South line SOUTH	Feet from the 1650	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 8	Township 29-N	Range 2-W	Lot Idn	Feet from the 2306	North/South line SOUTH	Feet from the 2413	East/West line EAST	County RIO ARRIBA
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¹² Dedicated Acres 160 - SW/4 SECTION 9 160 - SE/4 SECTION 8	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
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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

17 OPERATOR CERTIFICATION

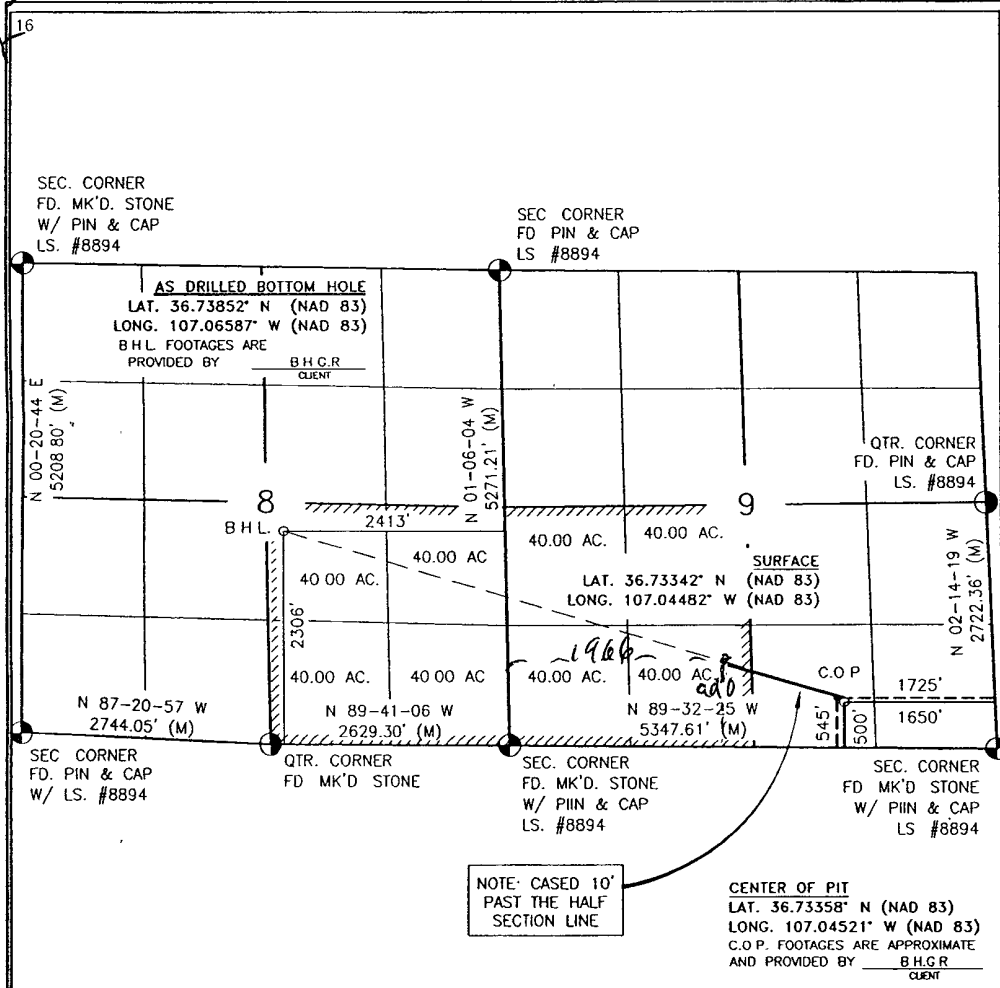
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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

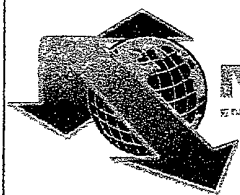
Signature Mike Pippin Date 9/26/08
Printed Name MIKE PIPPIN

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 knowledge and belief

SEPT 16 2008
Date of Survey
Signature and Seal of Professional Surveyor
Certificate Number
8894




NEVIS
 ENERGY SERVICES INC.

Job Number: 0810421

Company: Black Hills Gas Resources

Lease/Well: Jicarilla 29-02-09 #143

Location: Rio Arriba County, NM

Rig Name: Patterson 741

RKB: 13'

G.L. or M.S.L.: 7365'

State/Country: NM/USA

Declination: 9.91489

Grid: 53.52

File name: C:\CURREN-1\081042-1\29029143.SVY

Date/Time: 16-Sep-08 / 11:56

Curve Name: Jic 29-02-09 #143 surveys

API # 30-039-30080

Jic 29-02-09 #143 surveys

JIC 29-02-09 #143

SURF 500 FS 1650 FE(7)

1806 6111

2306 FS 2761 FE(9)

5348

2413 FE(8)

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 285.95

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Surface tie-in									
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
First Nevis MWD Survey									
385.00	.30	97.70	385.00	-1.00	-.14	1.00	1.01	97.70	.08
578.00	.10	19.80	578.00	-1.51	-.04	1.56	1.56	91.63	.15
770.00	.30	71.80	770.00	-1.94	.27	2.09	2.11	82.63	.13
943.00	.20	8.20	942.99	-2.27	.71	2.56	2.66	74.51	.16
1097.00	.00	47.10	1096.99	-2.23	.98	2.60	2.78	69.43	.13
1274.00	.50	71.30	1273.99	-2.87	1.22	3.33	3.55	69.84	.28
1463.00	.60	52.60	1462.98	-4.14	2.09	4.90	5.33	66.91	.11
1589.00	.20	97.70	1588.98	-4.75	2.46	5.64	6.16	66.44	.38
1784.00	.50	167.00	1783.98	-5.50	1.59	6.17	6.37	75.59	.24
1971.00	.60	186.10	1970.97	-6.06	-.18	6.25	6.25	91.67	.11
2152.00	1.00	214.00	2151.95	-5.73	-2.43	5.27	5.80	114.80	.30
2335.00	1.10	286.00	2334.93	-3.48	-3.27	2.69	4.23	140.63	.68
2520.00	1.10	199.70	2519.90	-1.59	-4.46	.38	4.47	175.12	.81
2559.00	.90	239.10	2558.90	-1.36	-4.97	-.01	4.97	180.10	1.79
2580.00	.80	230.30	2579.90	-1.16	-5.14	-.26	5.15	182.93	.78
2610.00	1.60	265.50	2609.89	-.65	-5.31	-.84	5.38	189.01	3.51
2641.00	4.40	284.20	2640.84	.94	-5.05	-2.43	5.61	205.65	9.45
2671.00	6.80	289.20	2670.70	3.87	-4.19	-5.22	6.69	231.27	8.16
2701.00	8.90	289.80	2700.42	7.96	-2.82	-9.08	9.51	252.77	7.01
2731.00	11.00	292.70	2729.96	13.12	-.93	-13.91	13.94	266.19	7.19

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2762.00	12.90	290.40	2760.29	19.50	1.42	-19.88	19.93	274.09	6.32
2791.00	14.80	289.80	2788.45	26.43	3.81	-26.40	26.67	278.20	6.57
2822.00	16.50	291.40	2818.30	34.76	6.75	-34.22	34.88	281.16	5.66
2852.00	18.10	289.30	2846.94	43.65	9.85	-42.59	43.71	283.02	5.72
2881.00	19.80	288.90	2874.37	53.06	12.93	-51.49	53.08	284.10	5.88
2911.00	20.40	286.60	2902.54	63.36	16.07	-61.30	63.38	284.69	3.31
2941.00	21.40	285.70	2930.57	74.06	19.04	-71.58	74.07	284.90	3.50
2971.00	22.90	286.70	2958.35	85.37	22.20	-82.44	85.38	285.07	5.16
3000.00	24.40	286.80	2984.91	97.00	25.55	-93.58	97.01	285.27	5.17
3031.00	26.00	287.70	3012.96	110.20	29.47	-106.19	110.20	285.51	5.31
3061.00	27.70	288.50	3039.73	123.74	33.68	-119.07	123.74	285.80	5.79
3090.00	30.30	288.50	3065.09	137.78	38.14	-132.40	137.78	286.07	8.97
3120.00	32.90	288.00	3090.64	153.49	43.06	-147.33	153.49	286.29	8.71
3152.00	34.20	287.00	3117.31	171.17	48.38	-164.19	171.17	286.42	4.41
3183.00	35.30	287.10	3142.78	188.83	53.56	-181.09	188.84	286.48	3.55
3215.00	36.80	287.50	3168.65	207.66	59.16	-199.06	207.67	286.55	4.74
3246.00	38.10	287.50	3193.26	226.50	64.83	-217.04	226.52	286.63	4.19
3277.00	40.50	287.80	3217.25	246.13	70.78	-235.75	246.15	286.71	7.77
3309.00	42.70	288.60	3241.18	267.35	77.42	-255.93	267.38	286.83	7.07
3340.00	44.40	288.40	3263.64	288.69	84.20	-276.18	288.73	286.95	5.50
3372.00	46.50	287.80	3286.09	311.48	91.28	-297.86	311.53	287.04	6.70
3403.00	48.20	287.10	3307.09	334.27	98.12	-319.61	334.33	287.07	5.73
3435.00	49.90	287.00	3328.06	358.43	105.20	-342.72	358.50	287.06	5.32
3466.00	51.80	286.50	3347.64	382.47	112.13	-365.74	382.54	287.04	6.26
3498.00	54.00	286.10	3366.94	407.99	119.29	-390.23	408.06	287.00	6.95
3529.00	55.90	285.70	3384.74	433.37	126.24	-414.64	433.43	286.93	6.22
3560.00	57.60	285.40	3401.74	459.29	133.19	-439.61	459.35	286.86	5.54
3592.00	59.50	285.80	3418.43	486.59	140.53	-465.91	486.64	286.78	6.03
3623.00	61.10	285.10	3433.79	513.51	147.70	-491.86	513.56	286.71	5.52
3655.00	63.10	285.60	3448.76	541.79	155.19	-519.13	541.83	286.64	6.40
3687.00	64.40	284.70	3462.92	570.49	162.69	-546.83	570.52	286.57	4.78
3718.00	66.30	284.40	3475.85	598.65	169.77	-574.10	598.68	286.47	6.19
3750.00	68.20	284.10	3488.22	628.15	177.03	-602.70	628.16	286.37	6.00
3781.00	69.90	284.30	3499.30	657.08	184.13	-630.77	657.09	286.27	5.52
3812.00	71.30	285.60	3509.60	686.32	191.68	-659.02	686.32	286.22	6.00
3844.00	72.20	284.90	3519.62	716.70	199.67	-688.34	716.71	286.18	3.50
3875.00	73.80	285.10	3528.68	746.34	207.34	-716.97	746.35	286.13	5.20
3906.00	76.30	285.30	3536.68	776.29	215.19	-745.87	776.29	286.09	8.09
3938.00	78.40	285.30	3543.69	807.51	223.43	-775.99	807.51	286.06	6.56
3969.00	80.20	285.80	3549.44	837.97	231.60	-805.33	837.97	286.04	6.02
4000.00	82.20	286.00	3554.19	868.60	239.99	-834.79	868.60	286.04	6.48
4032.00	83.50	285.40	3558.17	900.35	248.58	-865.36	900.35	286.03	4.47
4063.00	83.60	286.20	3561.65	931.16	256.97	-895.00	931.16	286.02	2.58
4126.00	84.20	285.10	3568.35	993.80	273.87	-955.32	993.80	286.00	1.98
4157.00	84.50	285.00	3571.40	1024.64	281.88	-985.11	1024.64	285.97	1.02

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4223.00	86.10	286.40	3576.81	1090.42	299.68	-1048.43	1090.42	285.95	3.22
4285.00	84.90	285.80	3581.67	1152.22	316.82	-1107.81	1152.22	285.96	2.16
4348.00	84.80	284.50	3587.33	1214.96	333.22	-1168.37	1214.96	285.92	2.06
4409.00	85.20	283.80	3592.64	1275.70	348.07	-1227.30	1275.70	285.83	1.32
4473.00	86.20	285.50	3597.44	1339.50	364.21	-1289.04	1339.51	285.78	3.08
4533.00	85.30	284.80	3601.89	1399.33	379.85	-1346.79	1399.34	285.75	1.90
4565.00	85.50	285.60	3604.46	1431.22	388.21	-1377.58	1431.23	285.74	2.57
4598.00	85.10	284.80	3607.16	1464.11	396.84	-1409.31	1464.12	285.73	2.70
4629.00	85.70	285.10	3609.65	1495.00	404.81	-1439.17	1495.02	285.71	2.16
4661.00	86.40	285.40	3611.85	1526.92	413.20	-1469.97	1526.94	285.70	2.38
4693.00	86.50	286.10	3613.83	1558.86	421.87	-1500.71	1558.88	285.70	2.21
4725.00	86.00	285.20	3615.92	1590.79	430.49	-1531.45	1590.81	285.70	3.21
4756.00	86.30	285.90	3618.01	1621.72	438.78	-1561.25	1621.74	285.70	2.45
4786.00	85.60	286.70	3620.12	1651.65	447.18	-1589.97	1651.66	285.71	3.54
4818.00	85.90	287.00	3622.50	1683.55	456.43	-1620.51	1683.57	285.73	1.32
4935.00	86.70	286.50	3630.05	1800.30	490.08	-1732.32	1800.30	285.80	.81
4966.00	86.70	286.50	3631.83	1831.24	498.87	-1761.99	1831.25	285.81	.00
4998.00	86.70	286.90	3633.67	1863.19	508.05	-1792.59	1863.19	285.82	1.25
5029.00	87.00	287.00	3635.38	1894.14	517.07	-1822.20	1894.14	285.84	1.02
5060.00	87.30	287.30	3636.92	1925.09	526.20	-1851.78	1925.09	285.86	1.37
5091.00	87.20	286.90	3638.40	1956.05	535.31	-1881.38	1956.05	285.88	1.33
5122.00	87.60	287.30	3639.81	1987.01	544.41	-1910.98	1987.01	285.90	1.82
5153.00	87.80	287.10	3641.06	2017.98	553.57	-1940.57	2017.98	285.92	.91
5185.00	88.30	286.80	3642.14	2049.96	562.89	-1971.16	2049.96	285.94	1.82
5217.00	88.40	287.40	3643.07	2081.94	572.30	-2001.73	2081.94	285.96	1.90
5248.00	88.80	287.30	3643.82	2112.92	581.54	-2031.31	2112.92	285.98	1.33
5279.00	89.20	287.20	3644.36	2143.90	590.73	-2060.91	2143.91	285.99	1.33
5373.00	90.00	286.80	3645.02	2237.89	618.21	-2150.80	2237.89	286.04	.95
5468.00	87.90	287.50	3646.76	2332.84	646.22	-2241.56	2332.85	286.08	2.33
5562.00	87.70	287.10	3650.37	2426.75	674.15	-2331.24	2426.76	286.13	.48
5624.00	87.70	287.10	3652.86	2488.68	692.37	-2390.45	2488.70	286.15	.00
5686.00	87.80	288.20	3655.29	2550.61	711.15	-2449.49	2550.63	286.19	1.78
5746.00	88.20	288.70	3657.39	2610.51	730.13	-2506.37	2610.55	286.24	1.07
5806.00	88.80	287.60	3658.96	2670.45	748.81	-2563.36	2670.49	286.28	2.09
5866.00	90.00	286.50	3659.58	2730.43	766.40	-2620.72	2730.48	286.30	2.71
5926.00	90.10	286.00	3659.53	2790.43	783.19	-2678.32	2790.48	286.30	.85
5987.00	90.30	286.00	3659.32	2851.43	800.01	-2736.96	2851.48	286.29	.33
6047.00	90.30	286.40	3659.01	2911.43	816.75	-2794.57	2911.48	286.29	.67
6107.00	90.60	287.00	3658.53	2971.42	833.99	-2852.04	2971.48	286.30	1.12
6167.00	89.20	286.70	3658.64	3031.41	851.38	-2909.46	3031.47	286.31	2.39
6228.00	89.30	286.30	3659.44	3092.40	868.70	-2967.95	3092.47	286.31	.68
6288.00	89.20	286.60	3660.22	3152.40	885.69	-3025.49	3152.46	286.32	.53
6348.00	89.10	286.50	3661.11	3212.39	902.78	-3082.99	3212.46	286.32	.24
6406.00	89.20	287.20	3661.97	3270.37	919.59	-3138.50	3270.45	286.33	1.22
6468.00	89.00	286.50	3662.95	3332.36	937.56	-3197.83	3332.44	286.34	1.17

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6527.00	88.70	286.90	3664.13	3391.34	954.51	-3254.33	3391.42	286.35	.85
6587.00	89.20	286.60	3665.23	3451.32	971.80	-3311.77	3451.41	286.35	.97
6648.00	90.00	287.70	3665.66	3512.31	989.79	-3370.06	3512.40	286.37	2.23
6707.00	89.80	287.00	3665.76	3571.29	1007.38	-3426.37	3571.39	286.38	1.23
6768.00	89.60	287.40	3666.08	3632.27	1025.42	-3484.64	3632.39	286.40	.73
6831.00	89.70	287.80	3666.46	3695.25	1044.47	-3544.69	3695.37	286.42	.65
6894.00	88.70	287.10	3667.34	3758.22	1063.36	-3604.79	3758.35	286.44	1.94
6956.00	89.30	287.80	3668.43	3820.19	1081.95	-3663.92	3820.33	286.45	1.49
7018.00	88.70	287.30	3669.51	3882.15	1100.64	-3723.03	3882.31	286.47	1.26
7080.00	89.00	287.30	3670.75	3944.12	1119.07	-3782.21	3944.29	286.48	.48
7143.00	89.40	288.00	3671.63	4007.09	1138.17	-3842.24	4007.27	286.50	1.28
7205.00	88.30	287.20	3672.88	4069.05	1156.92	-3901.32	4069.25	286.52	2.19
7269.00	88.50	286.40	3674.66	4133.02	1175.41	-3962.57	4133.22	286.52	1.29
7338.00	88.40	287.20	3676.53	4201.98	1195.34	-4028.60	4202.20	286.53	1.17
7398.00	88.70	286.90	3678.05	4261.95	1212.93	-4085.94	4262.17	286.53	.71
7458.00	89.40	287.00	3679.04	4321.93	1230.42	-4143.33	4322.16	286.54	1.18
7519.00	89.80	287.00	3679.47	4382.92	1248.25	-4201.66	4383.16	286.55	.66
7579.00	88.20	288.10	3680.52	4442.89	1266.34	-4258.86	4443.14	286.56	3.24
7638.00	88.10	287.90	3682.42	4501.82	1284.56	-4314.94	4502.09	286.58	.38
7701.00	89.20	287.00	3683.90	4564.78	1303.45	-4375.02	4565.06	286.59	2.26
7764.00	90.30	285.60	3684.18	4627.77	1321.13	-4435.49	4628.06	286.59	2.83
7827.00	89.60	283.60	3684.23	4690.75	1337.01	-4496.45	4691.02	286.56	3.36
7888.00	87.70	284.10	3685.67	4751.69	1351.61	-4555.66	4751.93	286.52	3.22
7951.00	87.50	285.00	3688.31	4814.62	1367.42	-4616.58	4814.84	286.50	1.46
8013.00	87.50	284.80	3691.01	4876.55	1383.35	-4676.44	4876.76	286.48	.32
8076.00	87.40	284.60	3693.82	4939.47	1399.32	-4737.32	4939.66	286.46	.35
8140.00	87.80	284.70	3696.50	5003.40	1415.49	-4799.18	5003.58	286.43	.64
8203.00	89.60	284.40	3697.93	5066.36	1431.31	-4860.14	5066.52	286.41	2.90
8266.00	89.80	284.90	3698.26	5129.34	1447.25	-4921.09	5129.49	286.39	.85
8328.00	90.40	285.40	3698.15	5191.34	1463.45	-4980.94	5191.48	286.37	1.26
8391.00	89.50	284.90	3698.20	5254.33	1479.91	-5041.75	5254.46	286.36	1.63
8455.00	90.00	285.30	3698.48	5318.32	1496.59	-5103.54	5318.45	286.34	1.00
8518.00	90.40	285.30	3698.26	5381.32	1513.21	-5164.30	5381.44	286.33	.63
8581.00	86.10	285.30	3700.19	5444.27	1529.82	-5225.03	5444.38	286.32	6.83
8612.00	86.50	285.20	3702.19	5475.20	1537.96	-5254.88	5475.31	286.31	1.33
8644.00	88.90	285.20	3703.47	5507.17	1546.34	-5285.73	5507.28	286.31	7.50
8707.00	89.50	285.30	3704.35	5570.16	1562.91	-5346.50	5570.26	286.29	.97
8770.00	90.70	286.10	3704.24	5633.16	1579.96	-5407.15	5633.26	286.29	2.29
8833.00	89.20	285.70	3704.29	5696.16	1597.22	-5467.74	5696.25	286.28	2.46
8895.00	88.50	285.70	3705.54	5758.14	1613.99	-5527.41	5758.24	286.28	1.13
8957.00	87.70	288.20	3707.59	5820.09	1632.06	-5586.68	5820.19	286.28	4.23
9020.00	89.30	287.80	3709.24	5883.03	1651.52	-5646.58	5883.14	286.30	2.62
Last Nevis MWD Survey									
9083.00	89.80	288.80	3709.74	5945.97	1671.30	-5706.39	5946.10	286.32	1.77

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
Survey Projection to TD									
9509.00	88.00	288.00	3717.92	6371.48	1805.73	-6110.51	6371.74	286.46	.46