

To whom it May Concern:



DIRECTIONAL SURVEY CERTIFICATION



RE: Mallon Oil Company (Operator)

Jicarilla 29-02-08 #44 (Well Name & No.)

Section 8 Twp. 28 N Range 02 W

Well File No. _____

I, Matthew K. Brown, having personal knowledge of all the facts, hereby certify that the

attached directional surveys for the well run from measured depth of

3,119 feet to a measured depth of 7,181 feet,

respectively, are true and correct as determined from all available records.

Matthew K. Brown

Signature

Ops. Cord.

Title

Nevis Energy Services, Inc

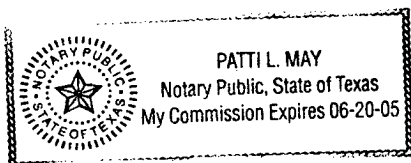
Company

State of Texas

County of Harris

On this 27 day of April, 2005, before me personally appeared

Matthew K. Brown to me known as the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.



Patti L. May
Notary Public

06-20-05
My Commission Expires

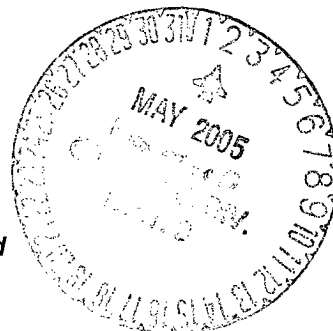


1724-B Townhurst Dr, Houston, Tx 77043
(713) 827-8302
www.nevisenergy.com

Job Number: 205-323
Company: BHEP / Malon Oil
Lease/Well: Jicarilla 28-02-08 # 44
Location: Rio Arriba Co., NM
Rig Name: Key 44
RKB: ☐
G.L. or M.S.L.: ☐

State/Country: ☐
Declination: ☐
Grid: ☐
File name: N:\BLACKH-1\2004\204-32~1\28-02-08.SVY
Date/Time: 27-Apr-05 / 13:26
Curve Name: Final NMOCF Filling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 288.15
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
Assume Vertical / KOP						
3119.00	1.90	266.50	3119.00	.00	.00	.00
First Nevis MWD Survey						
3151.00	1.90	272.80	3150.98	-.01	-1.06	1.00
3178.00	2.10	273.90	3177.97	.05	-2.00	1.92
3208.00	2.80	279.90	3207.94	.21	-3.27	3.17
3240.00	4.60	283.40	3239.87	.64	-5.29	5.23
3272.00	7.90	288.30	3271.68	1.63	-8.63	8.70
3302.00	11.60	291.80	3301.24	3.40	-13.39	13.78
3334.00	15.30	293.60	3332.35	6.29	-20.24	21.19
3365.00	19.00	292.90	3361.97	9.89	-28.64	30.30
3396.00	22.70	290.40	3390.94	13.94	-38.90	41.31
3428.00	26.60	288.30	3420.02	18.34	-51.50	54.65
3459.00	31.00	288.30	3447.17	23.03	-65.67	69.58
3490.00	35.50	289.70	3473.09	28.57	-81.73	86.57
3520.00	39.90	291.80	3496.83	35.09	-98.88	104.89
3551.00	44.30	292.50	3519.82	42.93	-118.12	125.61
3583.00	49.30	293.60	3541.72	52.06	-139.57	148.85
3615.00	54.20	294.30	3561.52	62.27	-162.53	173.84
3646.00	58.40	295.00	3578.72	73.03	-185.96	199.46
3676.00	62.50	296.00	3593.51	84.26	-209.51	225.34
3707.00	67.00	296.40	3606.73	96.64	-234.66	253.09
3739.00	72.30	297.10	3617.86	110.14	-261.44	282.74

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
3770.00	77.90	297.50	3625.83	123.88	-288.05	312.31
3801.00	83.20	297.50	3630.91	137.99	-315.17	342.47
3853.00	90.10	295.70	3633.95	161.22	-361.55	393.79
3885.00	90.30	295.70	3633.84	175.10	-390.39	425.51
3925.00	90.50	295.70	3633.56	192.44	-426.43	465.16
3979.00	90.60	294.60	3633.04	215.39	-475.31	518.75
4074.00	90.80	295.00	3631.88	255.23	-561.54	613.11
4106.00	91.10	295.00	3631.35	268.76	-590.54	644.87
4137.00	91.10	295.00	3630.76	281.85	-618.63	675.65
4169.00	91.10	295.30	3630.14	295.45	-647.59	707.40
4200.00	91.30	295.00	3629.49	308.62	-675.64	738.17
4232.00	91.30	295.30	3628.77	322.22	-704.60	769.92
4263.00	91.00	295.00	3628.14	335.39	-732.66	800.68
4389.00	91.50	294.60	3625.40	388.23	-847.01	925.80
4452.00	91.00	294.60	3624.02	414.45	-904.28	988.39
4514.00	91.30	295.00	3622.78	440.45	-960.55	1049.96
4576.00	91.30	295.00	3621.37	466.65	-1016.73	1111.50
4639.00	91.80	295.00	3619.67	493.26	-1073.80	1174.03
4703.00	90.30	293.90	3618.49	519.74	-1132.05	1237.63
4733.00	89.90	293.60	3618.44	531.83	-1159.51	1267.49
4764.00	89.40	293.90	3618.63	544.31	-1187.88	1298.34
4827.00	90.10	295.00	3618.91	570.39	-1245.23	1360.95
4858.00	90.40	295.00	3618.77	583.49	-1273.33	1391.73
4891.00	88.90	294.60	3618.97	597.33	-1303.28	1424.51
4922.00	88.70	294.60	3619.62	610.23	-1331.46	1455.31
4952.00	88.90	294.60	3620.25	622.72	-1358.73	1485.11
4984.00	88.70	294.60	3620.92	636.03	-1387.82	1516.90
5015.00	89.00	295.00	3621.54	649.03	-1415.96	1547.69
5046.00	89.20	295.30	3622.03	662.21	-1444.02	1578.45
5077.00	89.20	295.30	3622.46	675.45	-1472.04	1609.21
5108.00	89.40	295.30	3622.84	688.70	-1500.06	1639.96
5140.00	89.20	295.00	3623.23	702.30	-1529.03	1671.72
5170.00	89.60	295.30	3623.54	715.05	-1556.18	1701.50
5202.00	89.60	295.30	3623.77	728.72	-1585.11	1733.25
5233.00	89.70	295.30	3623.96	741.97	-1613.14	1764.01
5296.00	89.30	293.90	3624.51	768.20	-1670.42	1826.60
5358.00	88.70	292.20	3625.59	792.47	-1727.46	1888.36
5421.00	88.50	291.80	3627.13	816.06	-1785.85	1951.20
5483.00	88.30	289.70	3628.86	838.02	-1843.80	2013.11
5546.00	88.20	288.00	3630.78	858.36	-1903.40	2076.07
5578.00	88.00	288.00	3631.85	868.24	-1933.81	2108.06
5641.00	88.00	285.90	3634.04	886.60	-1994.04	2171.00
5703.00	87.80	284.40	3636.32	902.79	-2053.84	2232.87
5765.00	89.20	284.40	3637.94	918.20	-2113.87	2294.72
5827.00	89.70	284.80	3638.53	933.83	-2173.86	2356.60

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT
5891.00	89.90	285.10	3638.76	950.34	-2235.70	2420.50
5953.00	89.70	285.10	3638.97	966.49	-2295.56	2482.41
6016.00	89.70	285.10	3639.30	982.90	-2356.38	2545.32
6078.00	90.30	284.80	3639.30	998.90	-2416.28	2607.22
6141.00	90.10	284.80	3639.08	1014.99	-2477.19	2670.11
6203.00	90.40	284.10	3638.81	1030.46	-2537.23	2731.98
6266.00	91.00	283.40	3638.04	1045.44	-2598.42	2794.79
6360.00	89.90	282.00	3637.31	1066.10	-2690.11	2888.36
6463.00	89.70	285.00	3637.67	1090.14	-2790.25	2991.01
6525.00	89.60	283.00	3638.04	1105.14	-2850.41	3052.84
6587.00	90.10	283.70	3638.21	1119.46	-2910.73	3114.62
6649.00	90.40	281.30	3637.94	1132.87	-2971.26	3176.32
6712.00	90.30	281.60	3637.55	1145.38	-3033.00	3238.88
6836.00	90.10	282.30	3637.12	1171.05	-3154.31	3362.16
6899.00	91.10	282.70	3636.46	1184.69	-3215.81	3424.85
6962.00	91.70	282.70	3634.92	1198.54	-3277.25	3487.54
7025.00	91.00	281.30	3633.43	1211.63	-3338.86	3550.16
7087.00	91.50	281.30	3632.08	1223.78	-3399.64	3611.70
7150.00	89.20	281.60	3631.70	1236.28	-3461.38	3674.27
Last Nevis MWD Survey						
7181.00	89.20	282.00	3632.13	1242.62	-3491.73	3705.07
Survey Projected to TD						
7249.00	89.20	282.00	3633.08	1256.76	-3558.23	3772.68