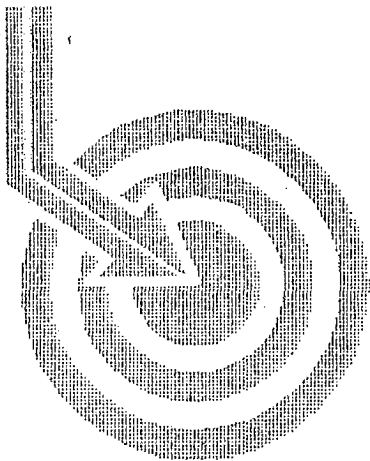




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30-015-37683

MURCHISON OIL & GAS

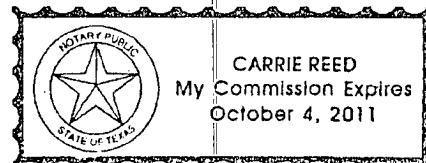
Field: Dog Canyon
Site: Eddy County, NM
Well: Carbon Valley 26 Federal Com #1H
Wellpath: VH - Job #32K0510303
Survey: 05/01/10

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

[Signature]
Company Representative

Notarized this date 2nd of June, 2010.

[Signature]
Notary Signature
County of Midland
State of Texas





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Scientific Drilling International, Inc.

Survey Report

Company: MURCHISON OIL & GAS				Date: 5/8/2010	Time: 10:07:55	Page: 1			
Field: Dog Canyon				Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North				
Site: Eddy County, NM				Vertical (TVD) Reference:	SITE 0.0				
Well: Carbon Valley 26 Federal Com #				Section (VS) Reference:	Well (0.00N,0.00E,186.39Azi)				
Wellpath: VH - Job #32K0510303				Survey Calculation Method:	Minimum Curvature	Db: Sybase			
Survey: 05/01/10				Start Date:	5/1/2010				
KSRG 0'-5859'									
Company: Scientific Drilling Internatio				Engineer:	Guebara/Sutherland/Renteria				
Tool: Keeper, Keeper Gyro				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
0.0	0.00	359.95	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.15	285.06	100.0	0.0	0.0	-0.1	0.15	0.1	285.06
200.0	0.24	337.41	200.0	-0.2	0.3	-0.3	0.19	0.4	308.11
300.0	0.12	240.45	300.0	-0.3	0.4	-0.5	0.28	0.6	308.61
400.0	0.07	183.92	400.0	-0.2	0.3	-0.6	0.10	0.7	295.83
500.0	0.09	206.15	500.0	-0.1	0.2	-0.6	0.04	0.7	283.98
600.0	0.11	197.75	600.0	0.1	0.0	-0.7	0.02	0.7	269.77
700.0	0.23	223.53	700.0	0.3	-0.2	-0.9	0.14	0.9	254.60
800.0	0.26	221.47	800.0	0.7	-0.6	-1.2	0.03	1.3	244.39
900.0	0.22	220.08	900.0	1.0	-0.9	-1.4	0.04	1.7	238.67
1000.0	0.19	215.85	1000.0	1.3	-1.2	-1.7	0.03	2.0	235.10
1100.0	0.21	201.47	1100.0	1.7	-1.5	-1.8	0.05	2.3	231.26
1200.0	0.19	213.82	1200.0	2.0	-1.8	-2.0	0.05	2.7	228.21
1300.0	0.15	218.15	1300.0	2.2	-2.0	-2.2	0.04	2.9	226.96
1400.0	0.13	231.03	1400.0	2.4	-2.2	-2.3	0.04	3.2	226.75
1500.0	0.06	207.33	1500.0	2.6	-2.3	-2.4	0.08	3.3	226.60
1600.0	0.16	203.55	1600.0	2.7	-2.5	-2.5	0.10	3.5	225.43
1700.0	0.36	159.90	1700.0	3.2	-2.9	-2.5	0.27	3.8	220.32
1800.0	0.34	170.37	1800.0	3.7	-3.5	-2.3	0.07	4.2	213.44
1900.0	0.33	177.04	1900.0	4.3	-4.1	-2.2	0.04	4.6	208.82
2000.0	0.33	172.22	2000.0	4.9	-4.6	-2.2	0.03	5.1	205.21
2100.0	0.32	161.90	2100.0	5.4	-5.2	-2.1	0.06	5.6	201.63
2200.0	0.18	162.80	2200.0	5.8	-5.6	-1.9	0.14	5.9	198.95
2300.0	0.21	339.79	2300.0	5.8	-5.6	-1.9	0.39	5.9	199.17
2400.0	0.25	88.58	2400.0	5.6	-5.4	-1.8	0.37	5.7	198.29
2500.0	0.16	140.08	2500.0	5.6	-5.5	-1.5	0.20	5.7	195.03
2600.0	0.32	190.33	2600.0	6.0	-5.9	-1.4	0.25	6.1	193.73
2700.0	0.28	194.94	2700.0	6.5	-6.4	-1.6	0.05	6.6	193.63
2800.0	0.38	188.89	2800.0	7.1	-7.0	-1.7	0.11	7.2	193.46
2900.0	0.44	180.26	2900.0	7.8	-7.7	-1.7	0.09	7.9	192.63
3000.0	0.37	212.80	3000.0	8.5	-8.3	-1.9	0.24	8.5	192.82
3100.0	0.23	244.79	3100.0	8.9	-8.7	-2.3	0.21	9.0	194.54
3200.0	0.35	276.86	3200.0	9.0	-8.7	-2.7	0.20	9.2	197.40
3300.0	0.20	272.56	3300.0	9.0	-8.7	-3.2	0.15	9.3	200.30
3400.0	0.34	273.20	3400.0	9.0	-8.7	-3.7	0.14	9.4	203.04
3500.0	0.36	274.48	3500.0	9.1	-8.6	-4.3	0.02	9.6	206.47
3600.0	0.60	287.59	3600.0	9.0	-8.4	-5.1	0.26	9.9	211.17
3700.0	0.35	266.25	3700.0	8.9	-8.3	-5.9	0.30	10.2	215.44
3800.0	0.64	281.66	3800.0	8.9	-8.2	-6.8	0.32	10.6	219.47
3900.0	0.55	274.57	3900.0	8.9	-8.1	-7.8	0.12	11.2	224.01
4000.0	0.55	273.41	3999.9	8.9	-8.0	-8.7	0.01	11.8	227.57
4100.0	0.54	266.49	4099.9	9.0	-8.0	-9.7	0.07	12.6	230.49
4200.0	0.22	274.95	4199.9	9.1	-8.0	-10.4	0.32	13.1	232.29
4300.0	0.25	18.68	4299.9	8.9	-7.8	-10.5	0.37	13.1	233.39
4400.0	0.04	202.99	4399.9	8.7	-7.6	-10.4	0.29	12.9	233.87
4500.0	0.15	289.59	4499.9	8.7	-7.6	-10.6	0.15	13.0	234.27
4600.0	0.17	272.49	4599.9	8.7	-7.5	-10.8	0.05	13.2	235.13
4700.0	0.15	246.27	4699.9	8.8	-7.6	-11.1	0.08	13.4	235.62
4800.0	0.18	248.41	4799.9	8.9	-7.7	-11.4	0.03	13.7	235.87



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Survey Report

Company: MURCHISON OIL & GAS	Date: 5/8/2010	Time: 10:07:55	Page: 2
Field: Dog Canyon	Co-ordinate(NE) Reference:	Site: Eddy County, NM	Grid: North
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE: 0:0	
Well: Carbon Valley 26 Federal Corn #	Section (VS) Reference:	Well (0.00N,0.00E,186.39Azi)	
Wellpath: VH - Job #32K0510303	Survey Calculation Method:	Minimum Curvature	Db: Sybase

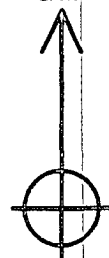
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	0.18	254.35	4899.9	9.1	-7.8	-11.7	0.02	14.0	236.21
5000.0	0.02	235.47	4999.9	9.1	-7.9	-11.8	0.16	14.2	236.41
5100.0	0.30	143.61	5099.9	9.3	-8.1	-11.7	0.30	14.2	235.35
5200.0	0.35	114.34	5199.9	9.6	-8.4	-11.3	0.17	14.1	233.22
5300.0	0.37	85.30	5299.9	9.6	-8.5	-10.7	0.18	13.6	231.37
5400.0	0.55	151.38	5399.9	10.0	-8.9	-10.1	0.52	13.5	228.59
5500.0	0.68	98.69	5499.9	10.4	-9.4	-9.3	0.56	13.2	224.59
5600.0	0.91	99.43	5599.9	10.5	-9.6	-7.9	0.23	12.5	219.39
5700.0	1.47	91.33	5699.9	10.4	-9.8	-5.8	0.58	11.4	210.83
5800.0	1.76	90.49	5799.9	10.1	-9.8	-3.0	0.29	10.3	197.12
5859.0	2.00	87.12	5858.8	9.9	-9.8	-1.1	0.45	9.9	186.39



Field: Dog Canyon
Site: Eddy County, NM
Well: Carbon Valley 26 Federal Com #1H
Survey: 05/01/10
Scientific Drilling

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Dip Angle: 0.00°
Date: 5/8/2010
Model: igrf2000

