

OPERATOR
WELL/LEASE
COUNTY

Murchison Oil & Gas, Inc.
Hackberry State #1
Eddy, NM

510-5078

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-34803

207	1.25
313	0.50
612	0.75
840	1.25
986	0.75
1,304	1.00
1,482	0.50
1,960	1.25
2,278	2.25
2,373	2.00
2,469	1.50
2,723	1.50
2,978	1.75
3,232	1.50
3,520	1.00
3,774	1.75
3,996	0.75
4,282	1.00
4,600	1.25



BY: Steve Moore

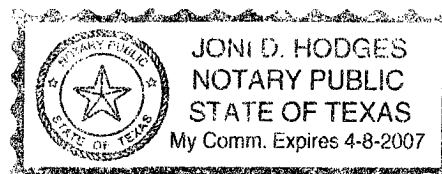
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

December 8, 2006, by Steve

Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires: 4/08/07





Scientific Drilling

Scientific Drilling International, Inc.

2034 Trade Drive • Midland, Texas 79703

P. O. Box 9699 • Midland, Texas 79708

Tel: 432-563-1339 • Fax: 432-697-0324

15 January 2007

**Carla Tracy
Murchison Oil & Gas
1100 Mira Vista Blvd.
Plano, Texas 75093-4698**

**Subject: Dainwood Draw Fed 4 #1
Hackberry State #1**

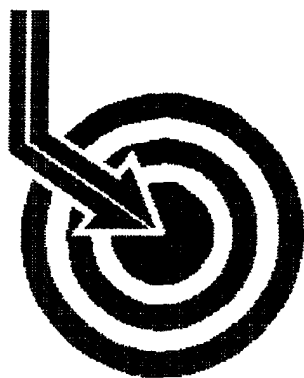
Mrs. Tracy,

Enclosed are two notarized surveys for the above referenced wells, for your records and/or New Mexico OCD. If you have any questions, please let me know.

Regards,

Becky Wharton

Enclosures



Scientific Drilling



MURCHINSON OIL & GAS

Field: Wildcat
Site: Eddy County, NM
Well: Hackberry State #1
Wellpath: VH - Job #32K1106935
Survey: 11/13/06

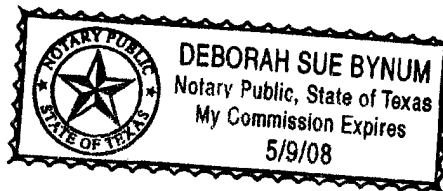
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Richard*..... Company Representative

Notorized this date 11th of January, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas

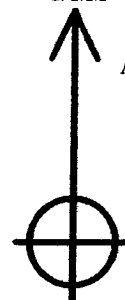




**Scientific
Drilling**

Field: Wildcat
Site: Eddy County, NM
Well: Hackberry State #1
Wellpath: VH - Job #32K1106935
Survey: 11/13/06

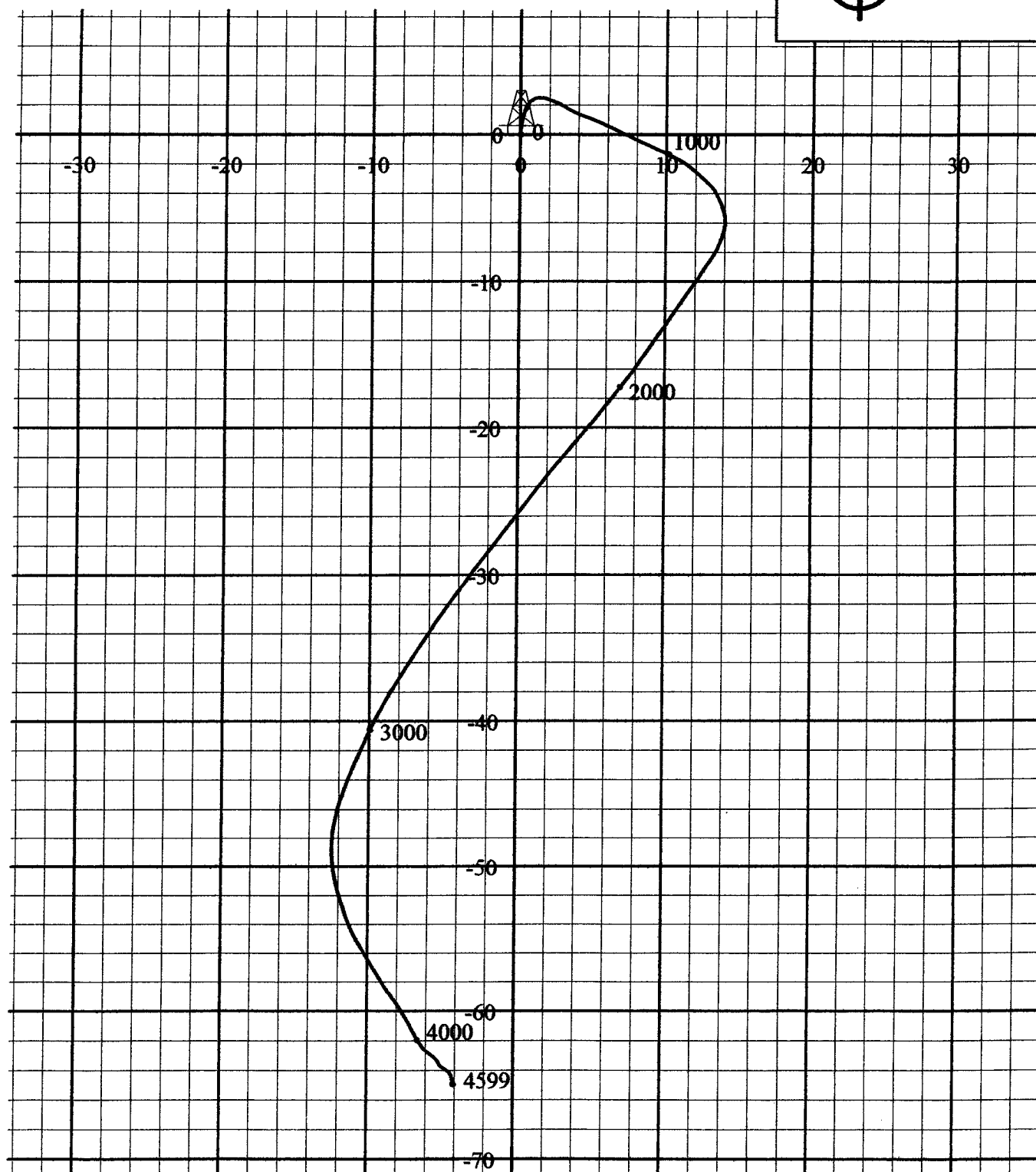
G/T/M



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 01/08/2007
Model: igrf2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]



Scientific Drilling International Survey Report

Month - Year
APR - 2 2007
OCD - ARTESIA, NM

Company: MURCHINSON OIL & GAS Date: 01/10/2007 Time: 16:20:26 Page: 1
Field: Wildcat Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Hackberry State #1 Section (VS) Reference: Well (0.00N,0.00E,0.14Az)
Wellpath: VH - Job #32K1106935 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 11/13/06 Start Date: 11/13/2006
Company: Scientific Drilling Internatio Engineer: Rehders w/P&M
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	ClrD ft	ClrA deg
0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.33	0.82	100.00	0.29	0.29	0.00	0.33	0.29	0.82
200.00	0.63	12.01	200.00	1.11	1.11	0.12	0.31	1.12	6.28
300.00	0.41	27.54	299.99	1.97	1.97	0.40	0.26	2.01	11.55
400.00	0.40	62.31	399.99	2.45	2.45	0.88	0.24	2.60	19.71
500.00	0.76	104.99	499.98	2.44	2.44	1.83	0.54	3.05	36.83
600.00	0.69	124.66	599.98	1.93	1.92	2.96	0.26	3.53	56.99
700.00	1.09	109.79	699.96	1.27	1.26	4.35	0.46	4.53	73.85
800.00	1.26	115.10	799.94	0.49	0.47	6.24	0.20	6.26	85.68
900.00	1.24	115.35	899.92	-0.44	-0.46	8.22	0.02	8.23	93.19
1000.00	1.16	114.10	999.90	-1.31	-1.33	10.12	0.08	10.21	97.51
1100.00	0.83	128.23	1099.88	-2.17	-2.20	11.61	0.41	11.82	100.71
1200.00	0.80	133.96	1199.87	-3.10	-3.13	12.68	0.09	13.06	103.86
1300.00	0.71	151.50	1299.86	-4.12	-4.16	13.48	0.25	14.11	107.14
1400.00	0.69	164.63	1399.86	-5.25	-5.28	13.94	0.16	14.90	110.76
1500.00	0.96	195.65	1499.85	-6.64	-6.67	13.87	0.51	15.39	115.68
1600.00	1.30	212.88	1599.83	-8.40	-8.43	13.03	0.48	15.52	122.90
1700.00	1.51	213.57	1699.80	-10.45	-10.48	11.68	0.21	15.70	131.89
1800.00	1.55	214.99	1799.76	-12.66	-12.69	10.18	0.06	16.27	141.25
1900.00	1.56	214.73	1899.72	-14.89	-14.91	8.63	0.01	17.23	149.94
2000.00	1.73	217.30	1999.68	-17.21	-17.23	6.94	0.19	18.58	158.07
2100.00	1.72	219.79	2099.64	-19.57	-19.59	5.06	0.08	20.23	165.50
2200.00	1.74	220.66	2199.59	-21.88	-21.89	3.11	0.03	22.11	171.90
2300.00	1.64	218.17	2299.55	-24.16	-24.17	1.24	0.12	24.20	177.06
2400.00	1.61	216.97	2399.51	-26.42	-26.41	-0.49	0.05	26.42	181.06
2500.00	1.56	218.30	2499.47	-28.61	-28.61	-2.18	0.06	28.69	184.35
2600.00	1.69	217.01	2599.43	-30.86	-30.85	-3.91	0.14	31.10	187.22
2700.00	1.66	213.44	2699.39	-33.25	-33.24	-5.59	0.11	33.70	189.55
2800.00	1.71	212.69	2799.34	-35.72	-35.70	-7.20	0.05	36.42	191.40
2900.00	1.58	210.37	2899.30	-38.17	-38.15	-8.70	0.15	39.13	192.85
3000.00	1.52	204.72	2999.27	-40.57	-40.54	-9.95	0.16	41.74	193.79
3100.00	1.51	203.08	3099.23	-42.98	-42.96	-11.02	0.04	44.35	194.39
3200.00	1.52	198.55	3199.20	-45.46	-45.43	-11.96	0.12	46.98	194.75
3300.00	1.63	183.35	3299.16	-48.13	-48.10	-12.47	0.43	49.69	194.53
3400.00	1.53	167.50	3399.12	-50.86	-50.83	-12.26	0.45	52.29	193.56
3500.00	1.50	159.99	3499.09	-53.39	-53.36	-11.52	0.20	54.59	192.19
3600.00	1.22	149.72	3599.06	-55.54	-55.51	-10.54	0.37	56.50	190.75
3700.00	1.26	149.05	3699.04	-57.40	-57.37	-9.44	0.04	58.14	189.34
3800.00	1.26	143.81	3799.01	-59.22	-59.20	-8.22	0.12	59.77	187.91
3900.00	0.99	152.49	3898.99	-60.87	-60.86	-7.18	0.32	61.28	186.72
4000.00	0.38	150.24	3998.98	-61.93	-61.91	-6.61	0.61	62.26	186.10
4100.00	0.35	137.40	4098.98	-62.44	-62.42	-6.24	0.09	62.73	185.71
4200.00	0.53	126.57	4198.98	-62.94	-62.92	-5.66	0.20	63.18	185.14
4300.00	0.31	152.79	4298.98	-63.45	-63.44	-5.17	0.29	63.65	184.66
4400.00	0.28	119.55	4398.98	-63.81	-63.80	-4.83	0.17	63.98	184.33
4500.00	0.26	126.64	4498.97	-64.07	-64.06	-4.44	0.04	64.21	183.96
4600.00	0.87	171.73	4598.97	-64.95	-64.94	-4.14	0.71	65.08	183.65