

DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 Artesia, New Mexico 88211-0160 Office (575) 748-8704 Fax (575) 748-8719

July 30, 2009

Marshall & Winston, Inc.
6 Desta Drive Suite #3100
Midland, Texas 79705

Medlin
Re: ~~Martin~~ Fed Com. 8-1H
Sec. 8, T-15-S, R-31-E
Chaves County, New Mexico

Attn: Gabe Herrera

The following is a Deviation Survey on the referenced well in ~~Eddy~~ ^{Chaves} County, New Mexico:

145' - 0.75°	6323' - 1.5°
317' - 0.5°	6509' - 1.25°
596' - 0.75°	6977' - 1.5°
1128' - 1°	7476' - 1.25°
1626' - 0.75°	7976' - 0.5°
2124' - 2°	8444' - 2.5°
2624' - 1°	8570' - 3.25°
3088' - 1.25°	8696' - 3.25°
3588' - 0.75°	8857' - 2°
3889' - 0.5°	
4357' - 0.75°	
4823' - 1°	
5289' - 2°	
5819' - 1.25°	

CONFIDENTIAL

Sincerely

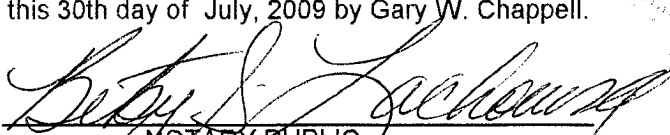

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

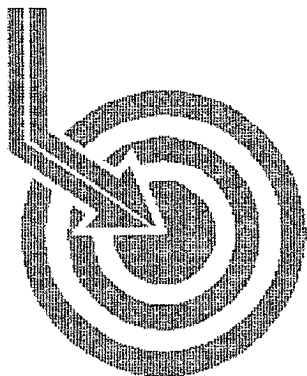
The foregoing was acknowledged before me this 30th day of July, 2009 by Gary W. Chappell.

MY COMMISSION EXPIRES

9/7/2009


NOTARY PUBLIC

RECEIVED
APR 15 2011
HOBBSOCD



Scientific Drilling

MARSHALL & WINSTON

Field: Wildcat
Site: Chaves County, NM
Well: Medlin Federal Com 8 #1H
Wellpath: VH - Job #32K0709287
Survey: 07/30/09

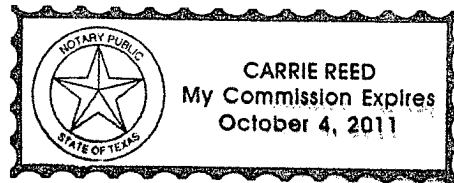
CONFIDENTIAL

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

.....Robert.....Company Representative

Notorized this date 9th of September, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: MARSHALL & WINSTON
Field: Wildcat
Site: Chaves County, NM
Well: Medlin Federal Com 8 #1H
Wellpath: VH - Job #32K0709287

Date: 08/07/2009 Time: 14:45:17 Page: 1
Co-ordinate(NE) Reference: Site: Chaves County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/30/09 Start Date: 07/30/2009
ksg 0'-8300'
Company: Scientific Drilling Internatio Engineer: Melendez/Williams
Tool: KSRG;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
0.00	0.00	359.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.66	254.09	100.00	-0.55	-0.16	-0.55	0.66	0.58	254.09
200.00	0.14	277.58	200.00	-1.23	-0.30	-1.23	0.53	1.26	256.30
300.00	0.24	309.89	299.99	-1.51	-0.15	-1.51	0.14	1.52	264.36
400.00	0.18	338.40	399.99	-1.73	0.13	-1.73	0.12	1.73	274.34
500.00	0.16	332.27	499.99	-1.85	0.40	-1.85	0.03	1.89	282.21
600.00	0.02	2.42	599.99	-1.92	0.54	-1.92	0.14	1.99	285.79
700.00	0.02	354.82	699.99	-1.92	0.58	-1.92	0.00	2.00	286.74
800.00	0.42	343.39	799.99	-2.02	0.95	-2.02	0.40	2.23	295.04
900.00	0.39	2.90	899.99	-2.11	1.64	-2.11	0.14	2.67	307.78
1000.00	0.75	354.85	999.98	-2.15	2.63	-2.15	0.37	3.40	320.68
1100.00	0.63	332.88	1099.98	-2.46	3.77	-2.46	0.29	4.50	326.85
1200.00	0.56	351.63	1199.97	-2.78	4.74	-2.78	0.21	5.50	329.59
1300.00	0.62	329.95	1299.97	-3.13	5.69	-3.13	0.23	6.50	331.24
1400.00	0.51	356.37	1399.96	-3.42	6.61	-3.42	0.28	7.44	332.60
1500.00	0.25	343.69	1499.96	-3.51	7.26	-3.51	0.27	8.07	334.17
1600.00	0.33	345.56	1599.96	-3.65	7.75	-3.65	0.08	8.56	334.79
1700.00	0.48	42.54	1699.96	-3.44	8.34	-3.44	0.41	9.02	337.60
1800.00	0.42	47.76	1799.95	-2.88	8.89	-2.88	0.07	9.35	342.04
1900.00	1.84	66.91	1899.93	-1.13	9.77	-1.13	1.45	9.83	353.38
2000.00	2.13	70.39	1999.87	2.09	11.02	2.09	0.31	11.22	10.76
2100.00	2.25	72.70	2099.80	5.72	12.23	5.72	0.15	13.50	25.07
2200.00	2.04	73.78	2199.73	9.30	13.31	9.30	0.21	16.24	34.95
2300.00	1.70	77.66	2299.68	12.46	14.12	12.46	0.36	18.83	41.42
2400.00	1.48	78.30	2399.64	15.17	14.70	15.17	0.22	21.13	45.91
2500.00	1.18	83.94	2499.61	17.46	15.07	17.46	0.33	23.07	49.20
2600.00	0.92	80.84	2599.59	19.28	15.31	19.28	0.27	24.62	51.55
2700.00	0.70	82.68	2699.58	20.68	15.51	20.68	0.22	25.85	53.12
2800.00	0.64	81.37	2799.58	21.84	15.68	21.84	0.06	26.88	54.33
2900.00	0.61	82.68	2899.57	22.92	15.83	22.92	0.03	27.85	55.37
3000.00	0.35	75.85	2999.57	23.74	15.97	23.74	0.27	28.61	56.07
3100.00	0.48	69.26	3099.56	24.43	16.19	24.43	0.14	29.31	56.46
3200.00	0.37	73.53	3199.56	25.13	16.43	25.13	0.11	30.02	56.82
3300.00	0.61	78.52	3299.56	25.96	16.63	25.96	0.24	30.83	57.36
3400.00	0.67	66.90	3399.55	27.02	16.97	27.02	0.14	31.90	57.88
3500.00	0.53	60.40	3499.55	27.96	17.42	27.96	0.16	32.94	58.07
3600.00	0.51	73.46	3599.54	28.79	17.78	28.79	0.12	33.84	58.30
3700.00	0.42	58.57	3699.54	29.53	18.10	29.53	0.15	34.63	58.50
3800.00	0.45	65.60	3799.54	30.20	18.45	30.20	0.06	35.39	58.58
3900.00	0.38	62.67	3899.53	30.85	18.76	30.85	0.07	36.11	58.69
4000.00	0.32	86.77	3999.53	31.42	18.93	31.42	0.16	36.69	58.93
4100.00	0.30	70.97	4099.53	31.95	19.03	31.95	0.09	37.19	59.22
4200.00	0.43	85.20	4199.53	32.57	19.15	32.57	0.16	37.78	59.55
4300.00	0.37	86.70	4299.53	33.27	19.20	33.27	0.06	38.41	60.01
4400.00	0.33	76.66	4399.52	33.87	19.29	33.87	0.07	38.98	60.34
4500.00	0.40	91.70	4499.52	34.50	19.34	34.50	0.12	39.55	60.72
4600.00	0.36	102.66	4599.52	35.15	19.26	35.15	0.08	40.09	61.28
4700.00	0.35	106.70	4699.52	35.75	19.11	35.75	0.03	40.54	61.88
4800.00	0.39	121.28	4799.51	36.34	18.84	36.34	0.10	40.93	62.59



Scientific Drilling International

Survey Report

Company: MARSHALL & WINSTON
 Field: Wildcat
 Site: Chaves County, NM
 Well: Medlin Federal Com 8 #1H
 Wellpath: VH - Job #32K0709287

Date: 08/07/2009 Time: 14:45:17 Page: 2
 Co-ordinate(NE) Reference: Site: Chaves County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

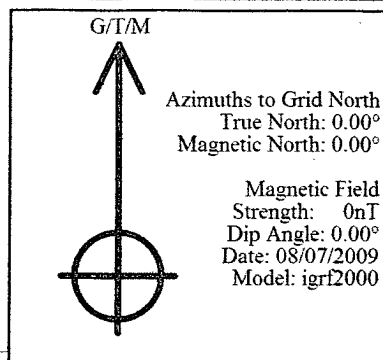
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.34	104.12	4899.51	36.92	18.59	36.92	0.12	41.33	63.27
5000.00	0.36	124.16	4999.51	37.46	18.34	37.46	0.12	41.71	63.91
5100.00	0.51	132.50	5099.51	38.05	17.87	38.05	0.16	42.04	64.85
5200.00	0.53	140.78	5199.50	38.67	17.21	38.67	0.08	42.33	66.01
5300.00	0.56	129.30	5299.50	39.34	16.54	39.34	0.11	42.68	67.20
5400.00	0.54	133.48	5399.50	40.06	15.91	40.06	0.04	43.10	68.35
5500.00	0.61	159.31	5499.49	40.59	15.08	40.59	0.27	43.30	69.62
5600.00	0.50	157.93	5599.49	40.95	14.18	40.95	0.11	43.33	70.90
5700.00	0.62	162.12	5699.48	41.28	13.26	41.28	0.13	43.35	72.19
5800.00	0.66	170.19	5799.47	41.54	12.18	41.54	0.10	43.29	73.66
5900.00	0.66	182.27	5899.47	41.61	11.04	41.61	0.14	43.05	75.15
6000.00	0.68	186.63	5999.46	41.52	9.87	41.52	0.05	42.68	76.63
6100.00	0.51	184.50	6099.46	41.42	8.84	41.42	0.17	42.35	77.96
6200.00	0.73	197.02	6199.45	41.20	7.79	41.20	0.26	41.93	79.30
6300.00	0.62	193.08	6299.44	40.89	6.65	40.89	0.12	41.43	80.76
6400.00	0.52	197.52	6399.44	40.63	5.69	40.63	0.11	41.03	82.03
6500.00	0.66	201.53	6499.43	40.28	4.72	40.28	0.15	40.56	83.32
6600.00	0.60	211.53	6599.43	39.80	3.74	39.80	0.13	39.97	84.63
6700.00	0.32	218.99	6699.42	39.35	3.08	39.35	0.29	39.47	85.53
6800.00	0.34	222.42	6799.42	38.97	2.64	38.97	0.03	39.06	86.13
6900.00	0.25	231.91	6899.42	38.60	2.29	38.60	0.10	38.67	86.61
7000.00	0.30	222.32	6999.42	38.25	1.96	38.25	0.07	38.30	87.07
7100.00	0.36	216.69	7099.42	37.89	1.51	37.89	0.07	37.92	87.71
7200.00	0.28	200.22	7199.42	37.62	1.03	37.62	0.12	37.63	88.43
7300.00	0.26	163.47	7299.41	37.60	0.58	37.60	0.17	37.60	89.11
7400.00	0.73	118.53	7399.41	38.22	0.06	38.22	0.58	38.22	89.91
7500.00	0.97	116.38	7499.40	39.54	-0.62	39.54	0.24	39.54	90.90
7600.00	1.05	114.18	7599.38	41.13	-1.37	41.13	0.09	41.16	91.91
7700.00	1.17	114.00	7699.37	42.90	-2.16	42.90	0.12	42.96	92.88
7800.00	1.35	118.20	7799.34	44.87	-3.13	44.87	0.20	44.98	93.99
7900.00	1.42	119.76	7899.31	46.99	-4.30	46.99	0.08	47.18	95.23
8000.00	1.64	118.03	7999.28	49.32	-5.59	49.32	0.22	49.64	96.47
8100.00	1.68	131.52	8099.23	51.69	-7.24	51.69	0.39	52.19	97.97
8200.00	1.82	128.73	8199.19	54.02	-9.20	54.02	0.16	54.80	99.67
8300.00	2.42	133.13	8299.12	56.80	-11.64	56.80	0.62	57.98	101.58

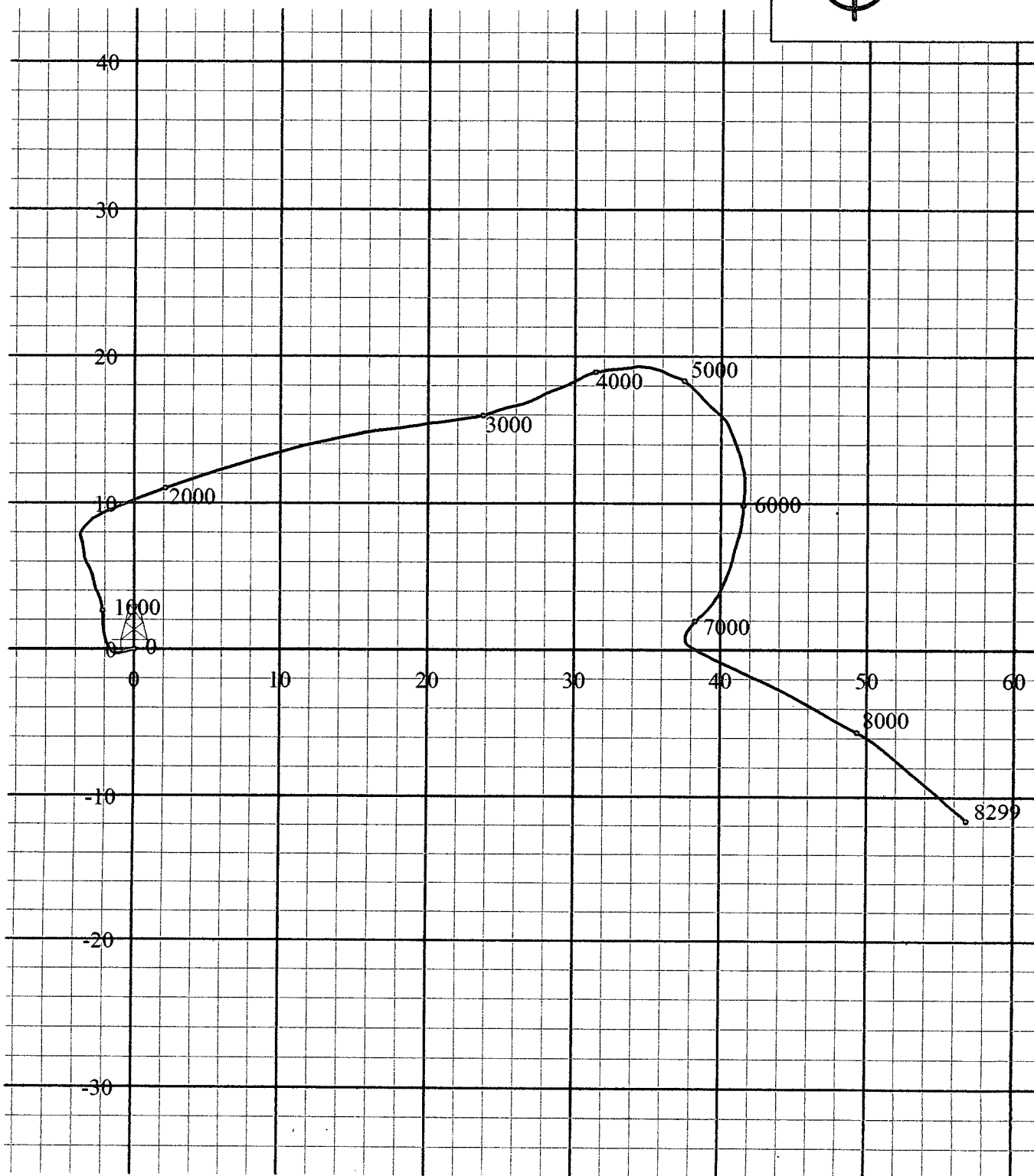


Scientific
Drilling

Field: Wildcat
Site: Chaves County, NM
Well: Medlin Federal Com 8 #1H
Wellpath: VH - Job #32K0709287
Survey: 07/30/09



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



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