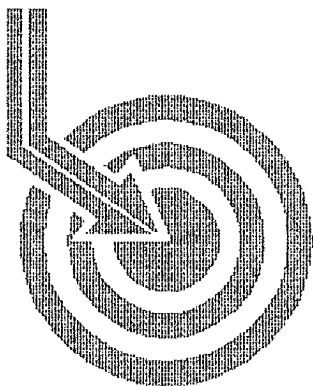




Scientific Drilling

SUR: O-32-21s-37e, 766/S & 1874/E
BHL: L-33-21s-37e, 1854/S & 180/W
API #30-025-06945

CHEVRONTEXACO

Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #152H
Wellpath: DH - Job #32D0205103
Survey: 02/11/05-02/19/05

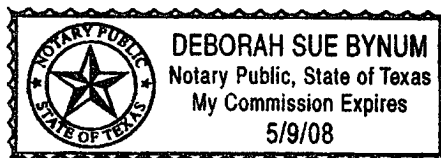
This survey is correct to the best of my knowledge
and is supported by actual field data.

Geoff Nard.....Company Representative

Notorized this date 15th of April, 2005.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #152H
Wellpath: VH - Job #32K0205108

Date: 4/14/2005 Time: 21:13:32 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,62.08Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/11/05
KSRG 0'-6449'

Start Date: 2/11/2005

Company: Scientific Drilling Internatio
Tool: Keeper; Keeper Gyro

Engineer: Guebara w/P&M
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	359.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.08	117.16	100.00	0.04	-0.03	0.06	0.08	0.07	117.16
200.00	0.17	59.47	200.00	0.23	0.01	0.25	0.14	0.25	87.36
300.00	0.17	58.61	300.00	0.52	0.16	0.51	0.00	0.53	72.03
400.00	0.11	71.03	400.00	0.77	0.27	0.72	0.07	0.77	69.35
500.00	0.12	66.63	500.00	0.97	0.35	0.91	0.01	0.97	69.23
600.00	0.15	46.42	600.00	1.20	0.48	1.10	0.06	1.20	66.58
700.00	0.18	19.17	700.00	1.44	0.72	1.25	0.08	1.44	60.16
800.00	0.17	33.85	800.00	1.68	0.99	1.38	0.05	1.70	54.46
900.00	0.17	134.02	900.00	1.86	1.01	1.57	0.26	1.87	57.34
1000.00	0.30	168.06	1000.00	1.83	0.65	1.73	0.19	1.85	69.48
1100.00	0.41	173.34	1099.99	1.63	0.04	1.83	0.11	1.83	88.85
1200.00	0.49	170.15	1199.99	1.37	-0.74	1.94	0.08	2.08	110.85
1300.00	0.53	164.56	1299.99	1.14	-1.61	2.14	0.06	2.68	126.92
1400.00	0.57	152.16	1399.98	1.04	-2.49	2.49	0.13	3.53	134.98
1500.00	0.69	151.28	1499.98	1.04	-3.46	3.02	0.12	4.59	138.92
1600.00	0.86	151.07	1599.97	1.07	-4.65	3.67	0.17	5.92	141.70
1700.00	0.88	149.65	1699.96	1.11	-5.96	4.42	0.03	7.42	143.46
1800.00	0.98	141.02	1799.94	1.31	-7.29	5.35	0.17	9.04	143.76
1900.00	1.06	126.22	1899.93	1.88	-8.50	6.63	0.27	10.78	142.06
2000.00	1.12	97.48	1999.91	3.08	-9.18	8.34	0.54	12.40	137.72
2100.00	1.35	87.02	2099.89	4.94	-9.24	10.49	0.32	13.98	131.38
2200.00	1.62	82.90	2199.85	7.33	-9.01	13.07	0.29	15.87	124.57
2300.00	1.69	76.46	2299.81	10.08	-8.49	15.91	0.20	18.03	118.09
2400.00	1.63	70.75	2399.77	12.91	-7.67	18.68	0.18	20.20	112.33
2500.00	1.65	72.24	2499.73	15.74	-6.77	21.40	0.05	22.44	107.55
2600.00	1.57	71.00	2599.69	18.51	-5.88	24.06	0.09	24.77	103.73
2700.00	1.35	72.39	2699.66	21.02	-5.08	26.48	0.22	26.96	100.86
2800.00	0.93	75.21	2799.64	22.97	-4.51	28.39	0.42	28.74	99.04
2900.00	0.90	82.19	2899.62	24.50	-4.20	29.95	0.12	30.24	97.98
3000.00	0.95	84.47	2999.61	26.00	-4.01	31.55	0.06	31.81	97.25
3100.00	0.91	84.60	3099.60	27.50	-3.86	33.17	0.04	33.39	96.64
3200.00	0.90	83.60	3199.59	28.97	-3.70	34.74	0.02	34.94	96.07
3300.00	0.97	84.90	3299.57	30.48	-3.53	36.36	0.07	36.54	95.55
3400.00	1.13	93.80	3399.56	32.10	-3.52	38.19	0.23	38.35	95.27
3500.00	1.17	96.26	3499.54	33.78	-3.70	40.19	0.06	40.36	95.26
3600.00	1.09	100.11	3599.52	35.37	-3.98	42.14	0.11	42.33	95.39
3700.00	1.03	106.25	3699.50	36.77	-4.40	43.94	0.13	44.16	95.72
3800.00	1.11	109.09	3799.48	38.07	-4.97	45.72	0.10	45.99	96.20
3900.00	1.02	117.93	3899.46	39.23	-5.70	47.42	0.19	47.76	96.85
4000.00	1.20	136.71	3999.45	40.01	-6.88	48.92	0.40	49.41	98.00
4100.00	1.30	139.08	4099.42	40.54	-8.50	50.39	0.11	51.10	99.57
4200.00	1.35	153.53	4199.40	40.77	-10.41	51.65	0.34	52.69	101.39
4300.00	1.34	150.22	4299.37	40.78	-12.48	52.76	0.08	54.22	103.31
4400.00	1.19	133.78	4399.34	41.14	-14.21	54.09	0.39	55.93	104.72
4500.00	1.18	132.15	4499.32	41.82	-15.62	55.60	0.04	57.76	105.69
4600.00	1.32	136.47	4599.30	42.48	-17.15	57.16	0.17	59.68	106.70
4700.00	1.41	147.98	4699.27	42.88	-19.03	58.61	0.29	61.62	107.99
4800.00	1.50	151.82	4799.24	42.97	-21.22	59.88	0.13	63.53	109.52



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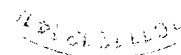
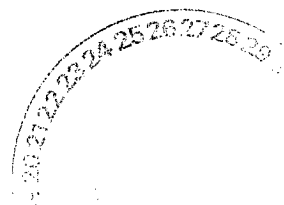
Survey Report

Company: CHEVRONTEXACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #152H
Wellpath: VH - Job #32K0205108

Date: 4/14/2005 Time: 21:13:32 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,62.08Azi)
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	1.46	154.23	4899.20	42.93	-23.52	61.05	0.07	65.42	111.07
5000.00	1.49	153.52	4999.17	42.85	-25.83	62.18	0.04	67.33	112.56
5100.00	1.50	157.02	5099.14	42.70	-28.20	63.27	0.09	69.27	114.02
5200.00	1.59	154.64	5199.10	42.53	-30.66	64.38	0.11	71.31	115.47
5300.00	1.46	160.15	5299.07	42.29	-33.11	65.40	0.20	73.31	116.85
5400.00	1.06	162.40	5399.04	41.94	-35.19	66.12	0.40	74.90	118.03
5500.00	0.78	185.04	5499.03	41.41	-36.75	66.34	0.45	75.84	118.99
5600.00	0.80	184.93	5599.02	40.66	-38.13	66.22	0.02	76.41	119.93
5700.00	0.82	188.39	5699.01	39.85	-39.53	66.05	0.05	76.98	120.90
5800.00	0.78	190.58	5799.00	39.01	-40.91	65.82	0.05	77.50	121.86
5900.00	0.57	184.95	5898.99	38.31	-42.07	65.65	0.22	77.98	122.65
6000.00	0.40	192.86	5998.99	37.81	-42.91	65.53	0.18	78.33	123.21
6100.00	0.23	234.23	6098.99	37.39	-43.37	65.29	0.27	78.38	123.59
6200.00	0.14	245.20	6198.99	37.07	-43.53	65.02	0.10	78.25	123.80
6300.00	0.22	264.00	6298.99	36.77	-43.61	64.72	0.10	78.04	123.97
6400.00	0.31	290.81	6398.99	36.41	-43.53	64.27	0.15	77.63	124.11
6449.00	0.30	287.08	6447.98	36.23	-43.44	64.03	0.05	77.38	124.16





Scientific
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Scientific Drilling International Survey Report

Company: CHEVRONTExACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #152H
Wellpath: DH - Job #32D0205103

Date: 4/14/2005 Time: 21:36:13 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,62.08Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/11/05-02/19/05 Start Date: 2/11/2005
MWD 6460'-8849'
Company: Scientific Drilling Internatio Engineer: Lamb/Melendez/Hernandez
Tool: MWD;MWD Tied-to: From: Definitive Path

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
6449.00	0.30	287.08	6447.98	36.23	-43.44	64.03	0.00	77.38	124.16
6460.00	0.30	287.08	6458.98	36.19	-43.43	63.97	0.00	77.32	124.17
6510.00	23.39	65.87	6507.62	46.14	-39.27	73.03	47.23	82.92	118.27
6520.00	29.63	66.58	6516.56	50.59	-37.48	77.12	62.48	85.74	115.92
6530.00	35.53	68.51	6524.99	55.95	-35.43	82.09	59.90	89.41	113.34
6541.00	41.59	71.41	6533.59	62.73	-33.09	88.53	57.48	94.52	110.49
6551.00	47.40	71.67	6540.72	69.64	-30.87	95.18	58.13	100.06	107.97
6561.00	52.76	69.83	6547.13	77.22	-28.34	102.42	55.42	106.27	105.47
6601.00	76.68	64.91	6564.10	112.98	-14.39	135.49	60.80	136.25	96.06
6633.00	83.45	64.64	6569.62	144.44	-0.96	163.98	21.17	163.99	90.34
6664.00	86.88	63.94	6572.23	175.31	12.44	191.81	11.29	192.21	86.29
6695.00	86.61	64.03	6573.99	206.24	26.01	219.62	0.92	221.16	83.25
6727.00	86.26	60.86	6575.98	238.17	40.78	247.94	9.95	251.27	80.66
6758.00	86.70	59.46	6577.88	269.10	56.18	274.77	4.73	280.46	78.44
6789.00	86.26	59.02	6579.78	300.00	72.00	301.36	2.01	309.84	76.56
6821.00	87.93	57.61	6581.41	331.89	88.79	328.56	6.83	340.34	74.88
6852.00	88.20	56.65	6582.45	362.75	105.60	354.58	3.22	369.97	73.41
6884.00	88.02	56.03	6583.51	394.58	123.33	381.20	2.02	400.65	72.07
6915.00	87.85	55.24	6584.63	425.36	140.82	406.77	2.61	430.46	70.91
6946.00	86.61	57.35	6586.12	456.16	158.00	432.53	7.89	460.48	69.93
6978.00	86.00	57.79	6588.19	488.00	175.12	459.48	2.35	491.72	69.14
7009.00	85.56	58.05	6590.47	518.83	191.54	485.68	1.65	522.08	68.48
7040.00	87.67	58.67	6592.30	549.71	207.78	512.02	7.09	552.57	67.91
7072.00	86.88	59.11	6593.82	581.62	224.29	539.39	2.83	584.16	67.42
7103.00	89.52	59.55	6594.79	612.57	240.09	566.03	8.63	614.85	67.01
7135.00	93.83	60.16	6593.86	644.53	256.15	593.69	13.60	646.59	66.66
7166.00	95.58	60.78	6591.31	675.41	271.38	620.57	5.99	677.31	66.38
7197.00	97.25	61.83	6587.85	706.21	286.17	647.59	6.35	708.00	66.16
7229.00	97.69	61.74	6583.69	737.94	301.17	675.55	1.40	739.64	65.97
7260.00	97.34	62.01	6579.64	768.67	315.66	702.65	1.42	770.30	65.81
7291.00	96.73	59.81	6575.84	799.43	330.62	729.54	7.31	800.96	65.62
7323.00	96.73	59.63	6572.09	831.18	346.64	756.98	0.56	832.57	65.40
7354.00	96.38	59.81	6568.55	861.95	362.17	783.58	1.27	863.23	65.19
7385.00	96.81	59.72	6564.99	892.72	377.68	810.18	1.42	893.89	65.01
7417.00	96.99	59.37	6561.15	924.46	393.78	837.57	1.22	925.52	64.82
7448.00	97.17	59.19	6557.32	955.19	409.49	864.01	0.82	956.14	64.64
7479.00	97.17	58.75	6553.46	985.90	425.35	890.37	1.41	986.75	64.47
7509.00	95.23	59.37	6550.22	1015.68	440.68	915.95	6.79	1016.45	64.31
7541.00	95.41	59.02	6547.25	1047.50	457.00	943.32	1.23	1048.19	64.15
7572.00	96.02	59.02	6544.16	1078.30	472.88	969.76	1.97	1078.91	64.01
7604.00	96.46	59.28	6540.68	1110.07	489.19	997.07	1.59	1110.61	63.87
7635.00	96.81	59.55	6537.10	1140.83	504.86	1023.58	1.42	1141.31	63.75
7666.00	97.34	59.81	6533.28	1171.57	520.39	1050.14	1.90	1172.00	63.64
7698.00	95.14	60.42	6529.81	1203.36	536.24	1077.71	7.13	1203.75	63.55
7729.00	95.76	60.25	6526.86	1234.20	551.51	1104.53	2.07	1234.56	63.47
7760.00	96.20	60.16	6523.63	1265.02	566.83	1131.29	1.45	1265.35	63.39
7792.00	97.08	60.07	6519.93	1296.78	582.67	1158.84	2.76	1297.08	63.31
7823.00	95.58	60.42	6516.51	1327.58	597.96	1185.59	4.97	1327.85	63.24
7855.00	96.46	59.90	6513.16	1359.38	613.79	1213.20	3.19	1359.63	63.16



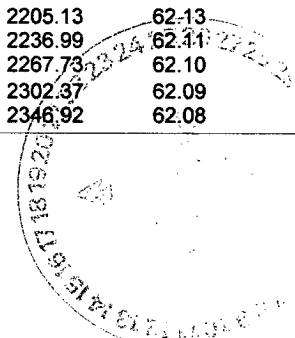
Scientific Drilling International Survey Report

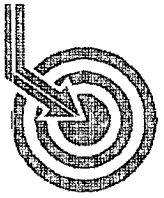
Company: CHEVRONTEXACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #152H
Wellpath: DH - Job #32D0205103

Date: 4/14/2005 Time: 21:36:13 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,62.08Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

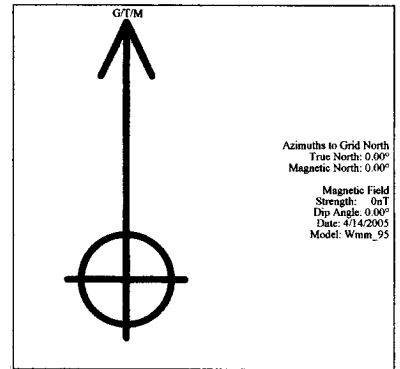
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
7886.00	97.08	58.58	6509.50	1390.13	629.53	1239.65	4.68	1390.34	63.08
7918.00	96.81	58.67	6505.63	1421.84	646.07	1266.77	0.89	1422.01	62.98
7949.00	96.11	59.37	6502.15	1452.59	661.93	1293.18	3.18	1452.74	62.89
7981.00	95.23	60.51	6498.98	1484.41	677.88	1320.74	4.49	1484.54	62.83
8016.00	94.79	62.36	6495.93	1519.28	694.55	1351.36	5.41	1519.40	62.80
8048.00	90.48	62.71	6494.46	1551.23	709.29	1379.71	13.51	1551.36	62.79
8079.00	85.30	62.89	6495.60	1582.20	723.44	1407.26	16.72	1582.32	62.79
8110.00	85.30	62.80	6498.14	1613.09	737.54	1434.75	0.29	1613.22	62.79
8142.00	85.38	62.53	6500.74	1644.99	752.19	1463.08	0.88	1645.11	62.79
8173.00	85.74	61.83	6503.14	1675.89	766.61	1490.42	2.53	1676.02	62.78
8205.00	82.92	59.28	6506.30	1707.72	782.26	1518.14	11.85	1707.83	62.74
8235.00	82.92	59.63	6510.00	1737.46	797.39	1543.78	1.16	1737.56	62.68
8266.00	82.83	59.63	6513.84	1768.19	812.95	1570.32	0.29	1768.27	62.63
8297.00	82.04	60.25	6517.92	1798.90	828.34	1596.92	3.23	1798.97	62.58
8329.00	82.66	60.25	6522.18	1830.60	844.08	1624.45	1.94	1830.66	62.54
8360.00	83.19	60.16	6526.00	1861.35	859.36	1651.15	1.73	1861.40	62.50
8391.00	83.71	60.78	6529.54	1892.13	874.54	1677.95	2.60	1892.18	62.47
8423.00	83.62	61.04	6533.07	1923.93	890.00	1705.74	0.86	1923.97	62.45
8454.00	82.83	60.16	6536.73	1954.70	905.12	1732.56	3.80	1954.74	62.42
8486.00	82.39	59.37	6540.84	1986.41	921.10	1759.98	2.81	1986.44	62.37
8517.00	83.89	59.72	6544.54	2017.16	936.70	1786.51	4.97	2017.18	62.33
8549.00	83.98	58.93	6547.93	2048.94	952.93	1813.87	2.47	2048.95	62.28
8580.00	83.80	58.58	6551.22	2079.71	968.92	1840.23	1.26	2079.72	62.23
8612.00	84.42	60.60	6554.51	2111.51	985.03	1867.68	6.57	2111.52	62.19
8643.00	84.77	60.42	6557.43	2142.36	1000.22	1894.54	1.27	2142.37	62.17
8675.00	85.30	60.95	6560.20	2174.23	1015.83	1922.34	2.34	2174.23	62.15
8706.00	85.65	61.04	6562.64	2205.13	1030.81	1949.37	1.17	2205.13	62.13
8738.00	83.71	60.78	6565.61	2236.98	1046.30	1977.21	6.12	2236.99	62.11
8769.00	81.78	61.57	6569.53	2267.73	1061.13	2004.15	6.72	2267.73	62.10
8804.00	81.87	61.65	6574.50	2302.37	1077.60	2034.63	0.34	2302.37	62.09
8849.00	81.87	61.65	6580.87	2346.92	1098.76	2073.83	0.00	2346.92	62.08



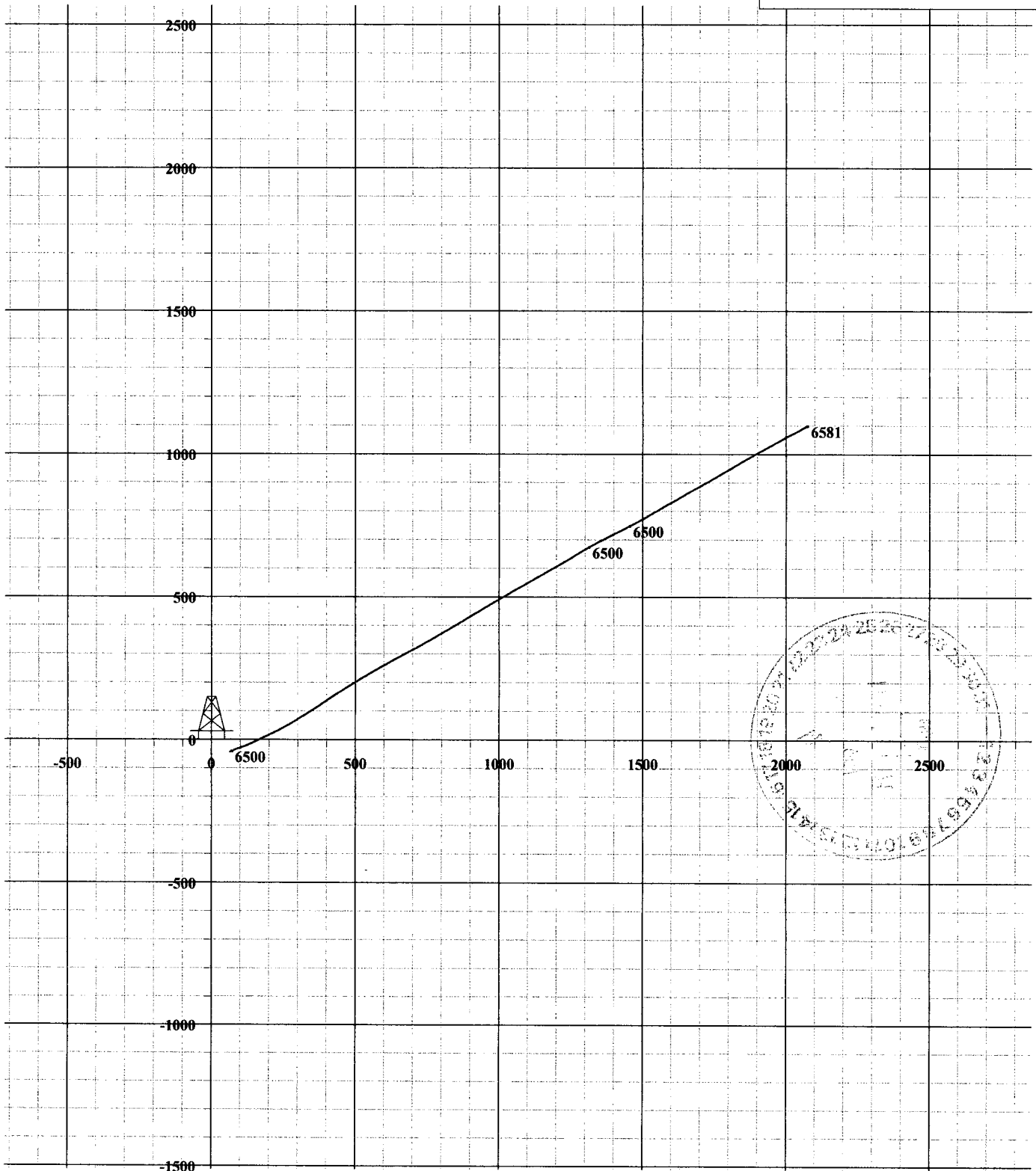


**Scientific
Drilling**

Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #152H
Wellpath: DH - Job #32D0205103
Survey: 02/11/05-02/19/05



South(-)/North(+) [500ft/in]



West(-)/East(+) [500ft/in]