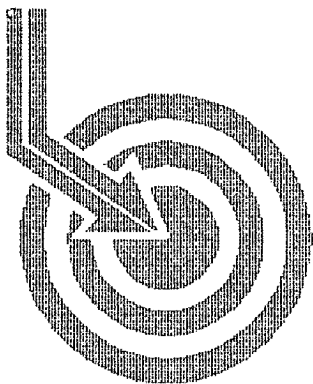




Scientific Drilling

SUR: A-29-21s-37e, 660/N & 660/E
BHL: G-29-21s-37e, 1670/N & 2278/E
API #30-025-06898

CHEVRONTEXACO

Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #105H
Wellpath: DH - Job #32D0605420
Survey: 6/13/05-06/25/05



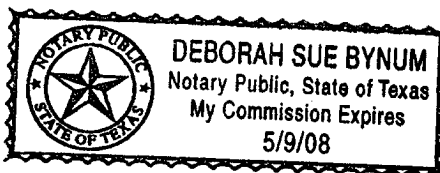
This survey is correct to the best of my knowledge
and is supported by actual field data.

Geoff Naeby.....Company Representative

Notorized this date 18th of July, 2005.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CHEVRONTExACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #105H
Wellpath: VH - Job #32K0605424

Date: 7/17/2005 Time: 17:15:01 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,238.09Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 06/14/05 Start Date: 6/14/2005
KSRG 0'-6430'
Company: Scientific Drilling Internatio Engineer: Gonzales/Rowe
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
0.00	0.00	359.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.58	343.11	100.00	-0.13	0.48	-0.15	0.58	0.51	343.11
200.00	0.37	337.79	199.99	-0.32	1.27	-0.42	0.21	1.33	341.82
300.00	0.31	338.13	299.99	-0.42	1.82	-0.64	0.06	1.93	340.63
400.00	0.31	337.44	399.99	-0.51	2.32	-0.84	0.00	2.47	340.01
500.00	0.25	349.19	499.99	-0.63	2.78	-0.99	0.08	2.95	340.45
600.00	0.23	345.90	599.99	-0.77	3.19	-1.08	0.02	3.37	341.34
700.00	0.22	352.28	699.99	-0.91	3.58	-1.15	0.03	3.76	342.13
800.00	0.33	351.23	799.99	-1.10	4.05	-1.22	0.11	4.23	343.21
900.00	0.22	323.88	899.99	-1.20	4.49	-1.38	0.17	4.70	342.92
1000.00	0.16	321.72	999.99	-1.17	4.76	-1.58	0.06	5.01	341.63
1100.00	0.08	259.94	1099.99	-1.09	4.85	-1.73	0.14	5.15	340.33
1200.00	0.09	281.80	1199.99	-0.97	4.86	-1.88	0.03	5.21	338.84
1300.00	0.05	300.45	1299.99	-0.89	4.90	-1.99	0.05	5.29	337.83
1400.00	0.22	82.21	1399.99	-1.05	4.94	-1.84	0.26	5.28	339.56
1500.00	0.24	81.46	1499.98	-1.42	5.00	-1.44	0.02	5.20	343.89
1600.00	0.37	50.61	1599.98	-1.93	5.24	-0.99	0.21	5.33	349.32
1700.00	0.63	38.78	1699.98	-2.77	5.87	-0.39	0.28	5.88	356.16
1800.00	0.83	34.59	1799.97	-3.95	6.89	0.36	0.21	6.90	3.00
1900.00	1.04	44.48	1899.96	-5.50	8.14	1.41	0.26	8.26	9.82
2000.00	1.54	55.81	1999.93	-7.72	9.54	3.16	0.56	10.05	18.30
2100.00	1.63	55.96	2099.89	-10.49	11.09	5.45	0.09	12.36	26.15
2200.00	1.48	62.11	2199.86	-13.20	12.49	7.77	0.22	14.71	31.87
2300.00	1.06	72.62	2299.83	-15.38	13.37	9.79	0.48	16.57	36.21
2400.00	0.95	70.49	2399.82	-17.08	13.93	11.45	0.12	18.03	39.44
2500.00	0.82	71.96	2499.81	-18.59	14.42	12.92	0.13	19.36	41.84
2600.00	0.73	81.99	2599.80	-19.87	14.73	14.23	0.16	20.48	44.00
2700.00	0.79	88.63	2699.79	-21.04	14.84	15.55	0.11	21.49	46.33
2800.00	0.78	95.45	2799.78	-22.18	14.79	16.91	0.09	22.47	48.83
2900.00	0.77	102.84	2899.77	-23.19	14.58	18.25	0.10	23.36	51.38
3000.00	0.80	110.41	2999.76	-24.10	14.19	19.56	0.11	24.16	54.04
3100.00	0.88	114.17	3099.75	-24.95	13.63	20.91	0.10	24.96	56.91
3200.00	0.77	113.30	3199.74	-25.77	13.05	22.23	0.11	25.77	59.59
3300.00	0.69	112.34	3299.73	-26.50	12.55	23.40	0.08	26.56	61.79
3400.00	0.68	112.53	3399.72	-27.20	12.10	24.51	0.01	27.33	63.73
3500.00	0.68	109.68	3499.72	-27.91	11.67	25.61	0.03	28.15	65.51
3600.00	0.70	111.95	3599.71	-28.64	11.24	26.74	0.03	29.01	67.20
3700.00	0.57	101.54	3699.70	-29.36	10.91	27.79	0.17	29.86	68.56
3800.00	0.57	107.43	3799.70	-30.05	10.66	28.76	0.06	30.67	69.65
3900.00	0.40	101.00	3899.69	-30.63	10.45	29.57	0.18	31.36	70.54
4000.00	0.34	77.98	3999.69	-31.16	10.44	30.21	0.16	31.96	70.93
4100.00	0.35	80.13	4099.69	-31.72	10.56	30.80	0.02	32.56	71.08
4200.00	0.36	82.60	4199.69	-32.29	10.65	31.41	0.02	33.17	71.27
4300.00	0.53	127.55	4299.69	-32.74	10.41	32.09	0.37	33.73	72.03
4400.00	0.55	140.46	4399.68	-32.97	9.76	32.76	0.12	34.18	73.41
4500.00	0.72	101.89	4499.68	-33.48	9.26	33.68	0.45	34.93	74.63
4600.00	0.68	80.43	4599.67	-34.49	9.23	34.88	0.26	36.08	75.18
4700.00	0.81	89.82	4699.66	-35.64	9.33	36.17	0.18	37.36	75.54
4800.00	1.06	100.34	4799.65	-36.92	9.16	37.79	0.30	38.88	76.37



Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #105H
Wellpath: VH - Job #32K0605424

Date: 7/17/2005 Time: 17:15:01 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,238.09Azi)
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	1.08	101.30	4899.63	-38.29	8.81	39.62	0.03	40.59	77.46
5000.00	1.12	106.02	4999.61	-39.64	8.36	41.49	0.10	42.32	78.61
5100.00	1.14	106.20	5099.59	-40.95	7.81	43.38	0.02	44.08	79.79
5200.00	1.14	103.86	5199.57	-42.31	7.30	45.30	0.05	45.89	80.85
5300.00	1.03	109.42	5299.55	-43.57	6.76	47.12	0.15	47.60	81.84
5400.00	0.99	103.13	5399.54	-44.74	6.26	48.80	0.12	49.21	82.69
5500.00	0.92	108.06	5499.52	-45.87	5.82	50.41	0.11	50.74	83.42
5600.00	0.79	108.32	5599.51	-46.82	5.35	51.83	0.13	52.10	84.10
5700.00	0.95	109.28	5699.50	-47.79	4.86	53.26	0.16	53.49	84.78
5800.00	0.93	105.26	5799.49	-48.86	4.38	54.83	0.07	55.00	85.44
5900.00	0.93	107.36	5899.47	-49.94	3.92	56.39	0.03	56.52	86.02
6000.00	0.95	113.77	5999.46	-50.93	3.34	57.92	0.11	58.02	86.70
6100.00	1.03	116.57	6099.45	-51.87	2.61	59.48	0.09	59.54	87.49
6200.00	1.04	124.16	6199.43	-52.71	1.70	61.04	0.14	61.06	88.41
6300.00	0.96	129.16	6299.41	-53.35	0.66	62.44	0.12	62.44	89.40
6400.00	0.80	129.66	6399.40	-53.84	-0.32	63.63	0.16	63.63	90.29
6430.00	0.87	126.25	6429.40	-53.99	-0.59	63.97	0.29	63.97	90.52



Scientific Drilling International

Survey Report

Company: CHEVRONTExACO
 Field: Drinkard
 Site: Lea County, NM
 Well: Central Drinkard #105H
 Wellpath: DH - Job #32D0605420

Date: 7/17/2005 Time: 17:50:17 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,238.09Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 6/13/05-06/25/05 Start Date: 6/13/2005
 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
6430.00	0.87	126.25	6429.40	-53.99	-0.59	63.97	0.00	63.97	90.52
6470.00	0.87	126.25	6469.40	-54.22	-0.94	64.46	0.00	64.47	90.84
6524.00	21.40	227.56	6522.16	-44.57	-7.92	57.44	39.98	57.98	97.85
6555.00	30.78	229.21	6549.97	-31.14	-16.94	47.23	30.35	50.18	109.73
6586.00	36.48	229.75	6575.77	-14.18	-28.08	34.18	18.41	44.24	129.40
6617.00	42.17	231.48	6599.74	5.30	-40.53	19.00	18.69	44.76	154.89
6648.00	52.33	233.33	6620.76	27.92	-54.37	0.97	33.06	54.38	178.98
6663.00	58.31	234.39	6629.29	40.22	-61.64	-8.99	40.29	62.29	188.30
6682.00	64.73	235.13	6638.34	56.88	-71.27	-22.63	33.96	74.77	197.61
6713.00	74.82	236.99	6649.05	85.91	-87.47	-46.74	33.03	99.18	208.11
6744.00	80.16	237.75	6655.76	116.16	-103.79	-72.21	17.39	126.44	214.83
6776.00	85.25	239.17	6659.82	147.89	-120.38	-99.26	16.50	156.03	219.51
6807.00	90.03	240.60	6661.10	178.84	-135.92	-126.04	16.09	185.37	222.84
6838.00	94.57	241.06	6659.85	209.77	-151.01	-153.08	14.72	215.03	225.39
6869.00	95.59	242.47	6657.11	240.58	-165.62	-180.29	5.60	244.81	227.43
6900.00	96.37	243.23	6653.88	271.31	-179.69	-207.72	3.50	274.65	229.14
6932.00	97.05	243.54	6650.14	302.95	-193.92	-236.13	2.33	305.56	230.61
6964.00	97.36	243.71	6646.13	334.55	-208.03	-264.57	1.10	336.56	231.82
6994.00	97.50	244.05	6642.25	364.15	-221.12	-291.28	1.22	365.71	232.80
7025.00	97.46	244.03	6638.21	394.72	-234.58	-318.92	0.14	395.90	233.66
7056.00	97.36	243.71	6634.21	425.30	-248.12	-346.52	1.07	426.19	234.40
7086.00	97.81	242.18	6630.25	454.93	-261.64	-373.00	5.27	455.62	234.95
7117.00	97.67	238.99	6626.08	485.62	-276.73	-399.76	10.21	486.19	235.31
7149.00	97.42	239.72	6621.87	517.33	-292.90	-427.05	2.39	517.84	235.56
7180.00	97.16	238.99	6617.94	548.08	-308.57	-453.50	2.48	548.53	235.77
7211.00	96.99	238.96	6614.12	578.84	-324.43	-479.87	0.56	579.24	235.94
7242.00	96.95	239.27	6610.36	609.60	-340.22	-506.27	1.00	609.97	236.10
7274.00	97.06	238.59	6606.46	641.36	-356.61	-533.48	2.14	641.69	236.24
7305.00	97.23	238.60	6602.60	672.12	-372.64	-559.73	0.55	672.43	236.35
7336.00	96.58	238.88	6598.88	702.89	-388.61	-586.04	2.28	703.18	236.45
7367.00	97.23	238.31	6595.15	733.66	-404.65	-612.30	2.78	733.93	236.54
7399.00	97.39	237.16	6591.08	765.40	-421.59	-639.14	3.60	765.66	236.59
7430.00	96.54	238.88	6587.32	796.17	-437.89	-665.24	6.15	796.43	236.65
7461.00	96.92	237.42	6583.68	826.96	-454.13	-691.39	4.84	827.20	236.70
7492.00	96.51	239.23	6580.06	857.74	-470.30	-717.59	5.95	857.97	236.76
7523.00	96.34	238.66	6576.59	888.55	-486.19	-743.98	1.91	888.76	236.84
7555.00	96.34	238.87	6573.06	920.35	-502.68	-771.18	0.65	920.55	236.90
7585.00	96.65	240.19	6569.66	950.14	-517.80	-796.87	4.49	950.32	236.98
7616.00	96.20	241.24	6566.19	980.92	-532.86	-823.74	3.67	981.06	237.10
7647.00	96.34	240.55	6562.81	1011.69	-547.85	-850.66	2.26	1011.81	237.22
7678.00	96.51	241.00	6559.34	1042.47	-562.89	-877.54	1.54	1042.56	237.32
7710.00	93.60	241.51	6556.52	1074.29	-578.22	-905.49	9.23	1074.36	237.44
7741.00	90.37	241.22	6555.45	1105.22	-593.07	-932.68	10.46	1105.27	237.55
7772.00	87.21	241.34	6556.10	1136.16	-607.96	-959.85	10.20	1136.19	237.65
7803.00	87.28	240.81	6557.59	1167.08	-622.93	-986.95	1.72	1167.10	237.74
7833.00	87.17	240.43	6559.04	1197.01	-637.63	-1013.07	1.32	1197.03	237.81
7864.00	87.07	239.66	6560.60	1227.96	-653.09	-1039.89	2.50	1227.97	237.87
7896.00	87.58	239.55	6562.09	1259.91	-669.27	-1067.46	1.63	1259.92	237.91
7927.00	85.18	239.68	6564.05	1290.84	-684.91	-1094.15	7.75	1290.84	237.95



Scientific Drilling International

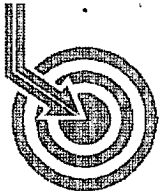
Survey Report

Company: CHEVRONTXACO
Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #105H
Wellpath: DH - Job #32D0605420

Date: 7/17/2005 **Time:** 17:50:17 **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,238.09Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

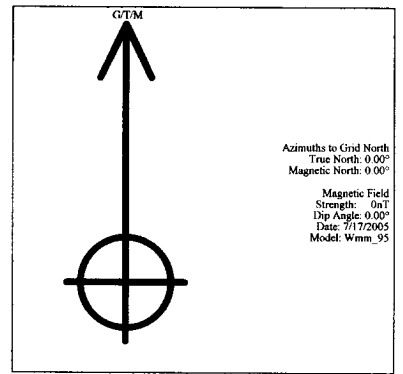
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
7957.00	82.00	238.98	6567.40	1320.64	-700.12	-1119.79	10.85	1320.64	237.99
7988.00	81.31	238.15	6571.90	1351.31	-716.11	-1145.96	3.46	1351.31	238.00
8019.00	81.99	238.29	6576.40	1381.98	-732.27	-1172.03	2.24	1381.98	238.00
8050.00	82.64	238.20	6580.55	1412.70	-748.44	-1198.15	2.12	1412.70	238.01
8081.00	82.94	237.20	6584.44	1443.45	-764.87	-1224.15	3.34	1443.46	238.00
8112.00	82.81	236.51	6588.28	1474.21	-781.69	-1249.90	2.25	1474.21	237.98
8143.00	81.66	238.32	6592.47	1504.92	-798.23	-1275.78	6.87	1504.92	237.97
8174.00	81.73	239.67	6596.95	1535.59	-814.03	-1302.07	4.32	1535.59	237.99
8206.00	82.13	239.92	6601.44	1567.26	-829.97	-1329.46	1.47	1567.26	238.02
8237.00	82.37	240.03	6605.62	1597.96	-845.34	-1356.05	0.85	1597.96	238.06
8268.00	82.37	239.87	6609.74	1628.67	-860.73	-1382.65	0.51	1628.67	238.10
8299.00	82.00	237.93	6613.95	1659.38	-876.59	-1408.94	6.31	1659.38	238.11
8330.00	82.03	237.83	6618.26	1690.07	-892.91	-1434.94	0.33	1690.07	238.11
8361.00	81.76	237.71	6622.63	1720.76	-909.28	-1460.90	0.95	1720.76	238.10
8392.00	81.83	237.52	6627.05	1751.45	-925.71	-1486.81	0.65	1751.45	238.09
8423.00	81.69	236.81	6631.50	1782.12	-942.35	-1512.59	2.31	1782.12	238.08
8454.00	81.62	236.09	6636.00	1812.78	-959.30	-1538.16	2.31	1812.78	238.05
8485.00	81.31	238.05	6640.60	1843.43	-975.96	-1563.88	6.33	1843.43	238.03
8550.00	81.31	238.05	6650.42	1907.68	-1009.97	-1618.40	0.00	1907.69	238.03

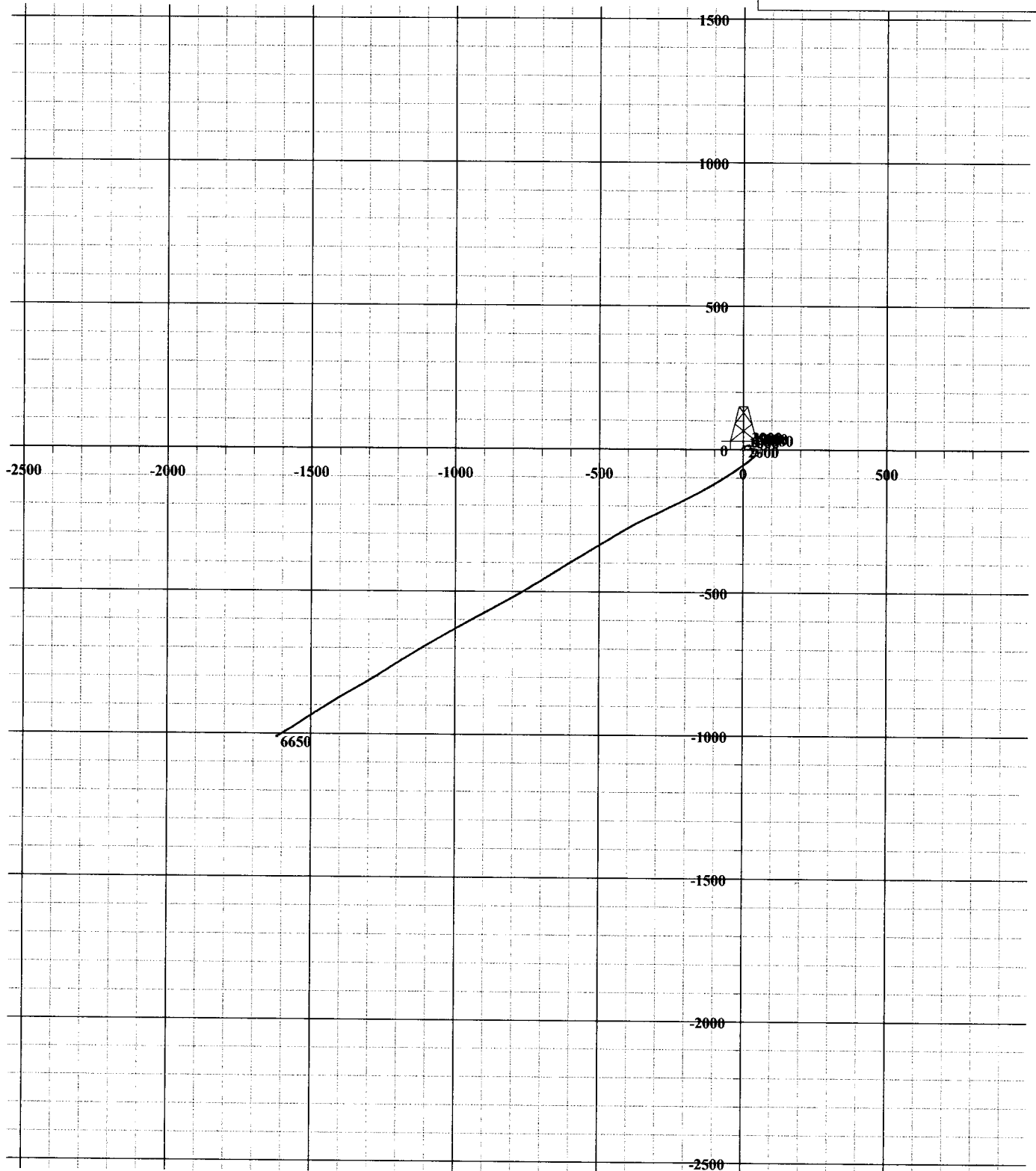


**Scientific
Drilling**

Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #105H
Wellpath: DH - Job #32D0605420
Survey: 6/13/05-06/25/05



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



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