Scientific Drilling

SUR: G-32-21s-37e, 2500/N & 1540/E
BHL: D-33-21s-37e, 743/N & 123/W
API # 30-025-26448

CHEVRONTEXACO

Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #429H
Wellpath: DH - Job #32D0205134
Survey: 02/21/05-03/01/05

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

.....Company Representative

Notorized this date 15th of April, 2005.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CHEVRONTEXACO	**Date:** 4/14/2005	**Time:** 21:48:45	**Page:**	1
Field:	Drinkard	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Central Drinkard #429H	**Section (VS) Reference:**	Well (0.00N,0.00E,43.39Azi)		
Wellpath:	VH - Job #32K0205135	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	02/22/05 KSRG 0'-6435	**Start Date:**	2/22/2005
Company:	Scientific Drilling	**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	0.07	101.63	100.00	0.03	-0.01	0.06	0.07	0.06	101.63
200.00	0.11	39.84	200.00	0.16	0.05	0.18	0.10	0.19	74.84
300.00	0.13	112.53	300.00	0.30	0.08	0.35	0.14	0.36	77.14
400.00	0.33	96.91	400.00	0.51	0.00	0.74	0.21	0.74	89.91
500.00	0.09	137.06	500.00	0.67	-0.09	1.08	0.27	1.08	94.82
600.00	0.14	246.47	600.00	0.56	-0.20	1.02	0.19	1.04	100.95
700.00	0.25	70.53	700.00	0.64	-0.17	1.11	0.39	1.13	98.85
800.00	0.21	108.81	800.00	0.91	-0.16	1.49	0.16	1.50	96.11
900.00	0.31	126.31	900.00	1.02	-0.38	1.88	0.13	1.92	101.38
1000.00	0.30	137.30	999.99	1.03	-0.73	2.28	0.06	2.39	107.80
1100.00	0.29	138.57	1099.99	0.99	-1.11	2.62	0.01	2.85	113.00
1200.00	0.24	130.04	1199.99	0.98	-1.44	2.95	0.06	3.28	115.98
1300.00	0.19	175.89	1299.99	0.88	-1.74	3.12	0.17	3.57	119.09
1400.00	0.37	163.25	1399.99	0.61	-2.21	3.23	0.19	3.91	124.42
1500.00	0.35	148.40	1499.99	0.37	-2.78	3.48	0.10	4.46	128.63
1600.00	0.56	130.28	1599.99	0.32	-3.36	4.01	0.25	5.23	129.91
1700.00	0.52	114.83	1699.98	0.49	-3.86	4.80	0.15	6.16	128.84
1800.00	0.71	121.96	1799.98	0.76	-4.38	5.74	0.20	7.22	127.38
1900.00	0.73	109.02	1899.97	1.14	-4.92	6.86	0.16	8.45	125.62
2000.00	1.17	104.48	1999.95	1.90	-5.38	8.46	0.45	10.02	122.48
2100.00	1.30	107.01	2099.93	2.90	-5.97	10.53	0.14	12.10	119.55
2200.00	1.33	97.74	2199.90	4.08	-6.46	12.76	0.21	14.30	116.83
2300.00	1.42	89.86	2299.88	5.61	-6.61	15.15	0.21	16.53	113.57
2400.00	1.58	89.74	2399.84	7.41	-6.60	17.77	0.16	18.96	110.38
2500.00	1.63	81.72	2499.80	9.48	-6.39	20.56	0.23	21.53	107.27
2600.00	1.77	78.36	2599.76	11.86	-5.87	23.48	0.17	24.20	104.05
2700.00	1.51	75.46	2699.72	14.24	-5.23	26.26	0.27	26.78	101.26
2800.00	1.29	82.14	2799.69	16.24	-4.75	28.65	0.27	29.05	99.41
2900.00	1.02	77.80	2899.67	17.85	-4.40	30.64	0.28	30.95	98.18
3000.00	1.02	87.13	2999.65	19.23	-4.17	32.40	0.17	32.67	97.34
3100.00	0.90	86.69	3099.64	20.44	-4.08	34.07	0.12	34.32	96.83
3200.00	0.88	92.53	3199.62	21.51	-4.07	35.62	0.09	35.85	96.52
3300.00	0.94	94.80	3299.61	22.53	-4.17	37.21	0.07	37.44	96.40
3400.00	0.86	96.02	3399.60	23.49	-4.32	38.77	0.08	39.01	96.36
3500.00	0.79	86.29	3499.59	24.46	-4.35	40.21	0.16	40.44	96.18
3600.00	0.70	93.22	3599.58	25.35	-4.34	41.50	0.13	41.73	95.98
3700.00	0.65	92.48	3699.57	26.12	-4.40	42.68	0.05	42.91	95.89
3800.00	0.59	86.12	3799.57	26.87	-4.39	43.76	0.09	43.98	95.73
3900.00	0.55	83.62	3899.56	27.61	-4.30	44.75	0.05	44.96	95.49
4000.00	0.49	89.06	3999.56	28.28	-4.24	45.66	0.08	45.85	95.31
4100.00	0.41	99.53	4099.56	28.78	-4.30	46.44	0.11	46.63	95.29
4200.00	0.26	98.29	4199.55	29.11	-4.39	47.01	0.15	47.22	95.33
4300.00	0.18	78.90	4299.55	29.37	-4.39	47.39	0.11	47.59	95.29
4400.00	0.14	71.41	4399.55	29.60	-4.32	47.66	0.05	47.86	95.18
4500.00	0.17	48.62	4499.55	29.86	-4.18	47.89	0.07	48.07	94.99
4600.00	0.17	71.63	4599.55	30.14	-4.04	48.14	0.07	48.31	94.80
4700.00	0.55	122.53	4699.55	30.36	-4.25	48.69	0.46	48.87	94.99
4800.00	0.77	138.37	4799.54	30.39	-5.01	49.54	0.28	49.79	95.78

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CHEVRONTEXACO	**Date:** 4/14/2005	**Time:** 21:48:45	**Page:**	2
Field:	Drinkard	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Central Drinkard #429H	**Section (VS) Reference:**	Well (0.00N,0.00E,43.39Azi)		
Wellpath:	VH - Job #32K0205135	**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	0.80	143.18	4899.53	30.21	-6.07	50.40	0.07	50.77	96.87
5000.00	0.71	138.77	4999.53	30.03	-7.10	51.23	0.11	51.72	97.89
5100.00	0.55	110.03	5099.52	30.17	-7.73	52.09	0.35	52.66	98.44
5200.00	0.53	91.91	5199.52	30.66	-7.91	53.00	0.17	53.59	98.49
5300.00	0.55	82.77	5299.51	31.34	-7.86	53.94	0.09	54.51	98.29
5400.00	0.52	83.21	5399.51	32.06	-7.75	54.87	0.03	55.41	98.04
5500.00	0.55	74.28	5499.50	32.82	-7.56	55.78	0.09	56.29	97.72
5600.00	0.61	53.67	5599.50	33.76	-7.12	56.67	0.22	57.12	97.16
5700.00	0.66	46.07	5699.49	34.86	-6.40	57.51	0.10	57.87	96.35
5800.00	0.77	50.69	5799.48	36.10	-5.58	58.45	0.12	58.71	95.45
5900.00	0.82	59.78	5899.47	37.45	-4.79	59.59	0.14	59.78	94.60
6000.00	0.91	67.55	5999.46	38.86	-4.13	60.94	0.15	61.08	93.88
6100.00	0.91	73.45	6099.45	40.27	-3.60	62.43	0.09	62.54	93.30
6200.00	0.97	78.98	6199.44	41.65	-3.21	64.03	0.11	64.11	92.87
6300.00	0.95	73.66	6299.42	43.05	-2.82	65.65	0.09	65.71	92.46
6400.00	0.90	76.28	6399.41	44.43	-2.40	67.21	0.07	67.25	92.04
6435.00	0.95	77.89	6434.40	44.90	-2.27	67.76	0.16	67.80	91.92

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CHEVRONTEXACO	**Date:** 4/14/2005	**Time:** 21:52:58	**Page:**	1
Field:	Drinkard	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Central Drinkard #429H	**Section (VS) Reference:**	Well (0.00N,0.00E,43.39Azi)		
Wellpath:	DH - Job #32D0205134	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	02/21/05-03/01/05 MWD 6452'-8895'	**Start Date:**	2/21/2005
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
6435.00	0.95	77.89	6434.40	44.90	-2.27	67.76	0.00	67.80	91.92
6452.00	0.95	77.89	6451.40	45.13	-2.21	68.04	0.00	68.07	91.86
6479.00	15.39	49.79	6478.06	48.90	0.16	71.01	53.92	71.01	89.87
6490.00	22.51	47.86	6488.46	52.45	2.52	73.69	64.97	73.73	88.04
6500.00	28.40	46.98	6497.48	56.74	5.43	76.85	59.02	77.04	85.96
6510.00	33.94	47.68	6506.04	61.90	8.93	80.65	55.52	81.15	83.68
6521.00	39.92	48.56	6514.82	68.48	13.34	85.58	54.57	86.61	81.14
6531.00	45.37	49.09	6522.18	75.22	17.80	90.67	54.62	92.40	78.90
6549.00	56.63	48.65	6533.49	89.12	26.99	101.19	62.58	104.73	75.07
6564.00	65.69	48.30	6540.72	102.20	35.69	111.02	60.43	116.61	72.18
6581.00	74.30	46.19	6546.53	118.12	46.53	122.73	51.97	131.25	69.24
6612.00	81.51	43.90	6553.02	148.40	67.94	144.16	24.35	159.36	64.77
6643.00	83.10	44.43	6557.17	179.12	89.97	165.56	5.40	188.43	61.48
6675.00	82.66	41.53	6561.14	210.86	113.20	187.21	9.10	218.77	58.84
6706.00	82.83	41.97	6565.05	241.60	136.14	207.68	1.51	248.33	56.75
6738.00	81.78	40.82	6569.34	273.30	159.93	228.65	4.84	279.03	55.03
6769.00	80.81	40.03	6574.03	303.90	183.26	248.52	4.02	308.78	53.60
6800.00	80.46	39.95	6579.07	334.43	206.69	268.18	1.16	338.59	52.38
6832.00	83.45	40.21	6583.55	366.06	230.93	288.58	9.38	369.60	51.33
6863.00	83.10	40.74	6587.18	396.80	254.35	308.56	2.04	399.88	50.50
6895.00	85.82	41.53	6590.27	428.63	278.34	329.51	8.85	431.33	49.81
6926.00	85.47	42.06	6592.62	459.53	301.38	350.11	2.04	461.96	49.28
6957.00	86.61	42.23	6594.76	490.44	324.31	370.86	3.72	492.66	48.83
6989.00	86.17	42.41	6596.78	522.37	347.92	392.37	1.49	524.41	48.44
7020.00	86.53	43.02	6598.75	553.31	370.66	413.35	2.28	555.20	48.12
7052.00	90.92	42.58	6599.46	585.29	394.12	435.08	13.79	587.05	47.83
7083.00	94.09	41.97	6598.11	616.25	417.04	455.91	10.41	617.88	47.55
7115.00	94.18	42.23	6595.80	648.16	440.72	477.31	0.86	649.66	47.28
7145.00	94.18	42.67	6593.62	678.08	462.79	497.51	1.46	679.48	47.07
7176.00	94.26	42.85	6591.33	708.99	485.49	518.50	0.63	710.31	46.88
7207.00	95.41	40.39	6588.72	739.86	508.58	539.01	8.73	741.07	46.66
7239.00	95.50	40.47	6585.68	771.68	532.83	559.67	0.38	772.75	46.41
7270.00	95.67	39.86	6582.66	802.48	556.41	579.57	2.03	803.42	46.17
7301.00	95.85	40.03	6579.55	833.27	580.05	599.37	0.80	834.09	45.94
7333.00	96.02	40.12	6576.24	865.04	604.41	619.86	0.60	865.76	45.72
7364.00	96.73	39.86	6572.80	895.80	628.01	639.66	2.44	896.42	45.53
7396.00	97.08	39.77	6568.95	927.50	652.41	660.00	1.13	928.04	45.33
7427.00	94.35	41.79	6565.87	958.31	675.77	680.15	10.94	958.78	45.19
7458.00	94.62	41.35	6563.44	989.20	698.89	700.66	1.66	989.63	45.07
7490.00	93.83	41.00	6561.08	1021.09	722.91	721.67	2.70	1021.47	44.95
7521.00	93.03	42.32	6559.23	1052.02	746.03	742.23	4.97	1052.36	44.85
7553.00	92.86	42.67	6557.59	1083.97	769.59	763.82	1.21	1084.29	44.78
7584.00	94.70	42.76	6555.54	1114.90	792.32	784.80	5.94	1115.21	44.73
7615.00	93.91	42.85	6553.21	1145.81	815.00	805.81	2.56	1146.10	44.68
7647.00	95.50	42.85	6550.59	1177.70	838.38	827.50	4.97	1177.98	44.63
7678.00	95.23	42.76	6547.69	1208.57	861.02	848.47	0.92	1208.83	44.58
7710.00	95.14	42.76	6544.80	1240.43	884.42	870.11	0.28	1240.68	44.53
7741.00	96.81	42.76	6541.57	1271.26	907.06	891.04	5.39	1271.50	44.49
7772.00	97.52	42.49	6537.71	1302.02	929.69	911.87	2.45	1302.24	44.45

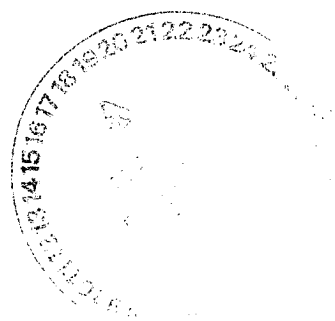
Scientific Drilling

Scientific Drilling International
Survey Report

Company:	CHEVRONTEXACO	**Date:** 4/14/2005	**Time:** 21:52:58	**Page:**	2
Field:	Drinkard	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Central Drinkard #429H	**Section (VS) Reference:**	Well (0.00N,0.00E,43.39Azi)		
Wellpath:	DH - Job #32D0205134	**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
7804.00	97.87	41.88	6533.42	1333.72	953.18	933.16	2.18	1333.92	44.39
7835.00	98.05	41.70	6529.13	1364.41	976.08	953.62	0.82	1364.60	44.33
7866.00	95.32	42.76	6525.52	1395.19	998.87	974.31	9.44	1395.36	44.29
7898.00	94.88	42.76	6522.68	1427.06	1022.27	995.95	1.37	1427.22	44.25
7929.00	94.62	42.49	6520.11	1457.95	1045.00	1016.88	1.21	1458.10	44.22
7960.00	94.53	42.14	6517.64	1488.85	1067.85	1037.68	1.16	1488.99	44.18
7992.00	94.09	41.70	6515.23	1520.75	1091.60	1059.00	1.94	1520.87	44.13
8023.00	94.44	40.82	6512.93	1551.64	1114.84	1079.38	3.05	1551.75	44.07
8054.00	94.70	41.09	6510.46	1582.51	1138.17	1099.64	1.21	1582.61	44.01
8086.00	94.97	39.86	6507.76	1614.36	1162.43	1120.34	3.92	1614.43	43.94
8117.00	94.18	40.03	6505.29	1645.20	1186.12	1140.18	2.61	1645.26	43.87
8149.00	88.29	39.07	6504.60	1677.11	1210.78	1160.54	18.65	1677.15	43.79
8180.00	86.79	38.36	6505.93	1707.98	1234.94	1179.91	5.35	1708.00	43.69
8208.00	86.35	40.47	6507.60	1735.86	1256.53	1197.65	7.68	1735.87	43.63
8239.00	84.86	42.49	6509.98	1766.75	1279.69	1218.12	8.08	1766.76	43.59
8271.00	84.77	42.14	6512.87	1798.61	1303.25	1239.58	1.12	1798.62	43.57
8302.00	84.59	43.90	6515.74	1829.47	1325.82	1260.64	5.68	1829.48	43.56
8333.00	84.24	43.81	6518.76	1860.33	1348.07	1282.01	1.17	1860.33	43.56
8365.00	84.94	43.20	6521.78	1892.18	1371.17	1303.94	2.90	1892.19	43.56
8396.00	85.65	42.58	6524.32	1923.08	1393.81	1324.97	3.04	1923.08	43.55
8427.00	85.82	42.06	6526.63	1953.98	1416.67	1345.78	1.76	1953.99	43.53
8459.00	83.10	43.20	6529.72	1985.83	1440.10	1367.35	9.21	1985.83	43.52
8490.00	82.92	43.29	6533.49	2016.60	1462.51	1388.43	0.65	2016.60	43.51
8521.00	82.83	43.90	6537.33	2047.36	1484.79	1409.64	1.97	2047.36	43.51
8553.00	81.95	44.25	6541.57	2079.07	1507.58	1431.71	2.96	2079.08	43.52
8584.00	81.16	44.69	6546.12	2109.73	1529.46	1453.19	2.91	2109.74	43.54
8616.00	83.36	44.87	6550.43	2141.43	1551.97	1475.52	6.90	2141.44	43.55
8647.00	83.54	45.22	6553.97	2172.21	1573.73	1497.32	1.26	2172.23	43.57
8679.00	84.86	44.08	6557.20	2204.04	1596.37	1519.69	5.44	2204.05	43.59
8710.00	84.94	43.81	6559.96	2234.92	1618.61	1541.12	0.91	2234.93	43.60
8741.00	86.00	42.58	6562.41	2265.82	1641.13	1562.27	5.23	2265.83	43.59
8773.00	86.00	41.70	6564.64	2297.73	1664.80	1583.69	2.74	2297.74	43.57
8804.00	86.26	40.56	6566.73	2328.64	1688.10	1604.03	3.76	2328.65	43.54
8836.00	86.26	40.39	6568.82	2360.53	1712.39	1624.76	0.53	2360.53	43.50
8895.00	86.26	40.56	6572.67	2419.33	1757.18	1662.97	0.29	2419.33	43.42



Scientific Drilling

Field: Drinkard
Site: Lea County, NM
Well: Central Drinkard #429H
Wellpath: DH - Job #32D0205134
Survey: 02/21/05-03/01/05