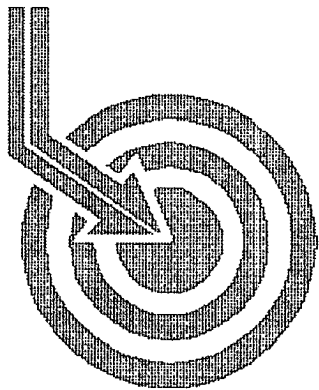




Scientific Drilling

SUR: B-29-21s-37e, 660/N & 1980/E
BHL: F-29-21s-37e, 1855/N & 3477/E
API # 30-025-06899

CHEVRON

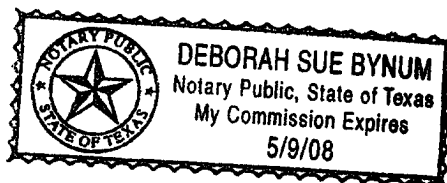
Field: Drinkard
Site: Lea County, NM
Well: Central Drindard #106H
Wellpath: DH - Job #32D0905687
Survey: 09/19/05-09/29/05

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

Richard.....Company Representative

Notorized this date 16th of October, 2005.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CHEVRON	Date: 10/15/2005	Time: 11:52:47	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 Drindard #106H	Section (VS) Reference:	Well (0.00N,0.00E,231.48Azi)	
Wellpath: VH - Job #32K0905690	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/21/05	Start Date: 9/21/2005
Company: Scientific Drilling Internatio	Engineer: Gonzales w/Weatherford
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	0.11	243.27	100.00	0.09	-0.04	-0.09	0.11	0.10	243.27
200.00	0.23	252.17	200.00	0.38	-0.15	-0.36	0.12	0.39	247.82
300.00	0.02	281.25	300.00	0.57	-0.21	-0.57	0.21	0.61	250.17
400.00	0.26	116.90	400.00	0.49	-0.31	-0.39	0.28	0.49	231.64
500.00	0.25	131.58	500.00	0.36	-0.55	-0.02	0.07	0.55	182.07
600.00	0.23	132.63	600.00	0.29	-0.83	0.29	0.02	0.88	160.76
700.00	0.19	130.11	700.00	0.23	-1.08	0.57	0.04	1.22	152.28
800.00	0.35	149.94	800.00	0.24	-1.45	0.85	0.18	1.68	149.71
900.00	0.48	161.62	899.99	0.43	-2.11	1.13	0.15	2.39	151.81
1000.00	0.54	151.17	999.99	0.65	-2.92	1.49	0.11	3.28	152.97
1100.00	0.33	177.52	1099.99	0.90	-3.62	1.73	0.28	4.01	154.47
1200.00	0.40	197.04	1199.98	1.36	-4.24	1.64	0.14	4.55	158.87
1300.00	0.46	185.44	1299.98	1.93	-4.97	1.50	0.11	5.20	163.23
1400.00	0.48	132.91	1399.98	2.14	-5.66	1.77	0.42	5.93	162.65
1500.00	0.73	131.81	1499.97	1.97	-6.37	2.55	0.25	6.86	158.19
1600.00	0.86	130.16	1599.96	1.72	-7.28	3.60	0.13	8.12	153.70
1700.00	0.98	116.84	1699.95	1.21	-8.15	4.93	0.24	9.53	148.80
1800.00	0.91	112.58	1799.94	0.47	-8.84	6.43	0.10	10.93	143.96
1900.00	1.15	103.24	1899.92	-0.53	-9.37	8.14	0.29	12.42	139.03
2000.00	1.42	87.89	1999.90	-2.15	-9.56	10.36	0.44	14.09	132.71
2100.00	1.53	92.02	2099.86	-4.16	-9.56	12.93	0.15	16.08	126.48
2200.00	1.57	87.91	2199.83	-6.28	-9.56	15.63	0.12	18.32	121.44
2300.00	1.39	92.93	2299.79	-8.29	-9.57	18.21	0.22	20.57	117.72
2400.00	1.21	96.29	2399.77	-9.95	-9.75	20.47	0.20	22.67	115.46
2500.00	0.89	102.89	2499.75	-11.18	-10.04	22.28	0.34	24.43	114.25
2600.00	0.67	96.17	2599.74	-12.08	-10.27	23.62	0.24	25.75	113.50
2700.00	0.53	92.79	2699.73	-12.84	-10.36	24.66	0.14	26.75	112.78
2800.00	0.19	95.19	2799.73	-13.31	-10.39	25.29	0.34	27.34	112.34
2900.00	0.33	103.81	2899.73	-13.61	-10.48	25.73	0.14	27.78	112.16
3000.00	0.31	83.62	2999.73	-14.01	-10.52	26.28	0.11	28.31	111.81
3100.00	0.35	111.43	3099.73	-14.39	-10.60	26.83	0.16	28.85	111.55
3200.00	0.32	148.28	3199.73	-14.51	-10.95	27.27	0.21	29.38	111.88
3300.00	0.32	158.01	3299.73	-14.40	-11.44	27.52	0.05	29.80	112.58
3400.00	0.30	193.14	3399.72	-14.12	-11.96	27.56	0.19	30.04	113.45
3500.00	0.40	189.43	3499.72	-13.65	-12.56	27.44	0.10	30.18	114.59
3600.00	0.24	212.93	3599.72	-13.19	-13.08	27.27	0.20	30.25	115.62
3700.00	0.12	214.69	3699.72	-12.90	-13.34	27.10	0.12	30.21	116.21
3800.00	0.13	170.24	3799.72	-12.74	-13.54	27.06	0.10	30.26	116.58
3900.00	0.13	142.48	3899.72	-12.68	-13.74	27.15	0.06	30.43	116.84
4000.00	0.16	152.07	3999.72	-12.66	-13.95	27.28	0.04	30.64	117.08
4100.00	0.56	176.55	4099.72	-12.35	-14.56	27.38	0.42	31.01	118.01
4200.00	0.93	197.04	4199.71	-11.40	-15.83	27.17	0.45	31.44	120.22
4300.00	1.43	212.87	4299.69	-9.55	-17.65	26.25	0.59	31.64	123.91
4400.00	1.89	218.14	4399.65	-6.76	-20.00	24.56	0.48	31.67	129.15
4500.00	2.02	222.09	4499.59	-3.42	-22.60	22.36	0.19	31.79	135.31
4600.00	2.20	219.45	4599.52	0.20	-25.39	19.96	0.20	32.30	141.83
4700.00	2.25	220.66	4699.44	4.00	-28.36	17.46	0.07	33.31	148.38
4800.00	2.08	218.49	4799.37	7.70	-31.27	15.05	0.19	34.71	154.30



Scientific Drilling International

Survey Report

Company: CHEVRON
Field: Drinkard
Site: Lea County, NM
Well: Central Drindard #106H
Wellpath: VH - Job #32K0905690

Date: 10/15/2005 Time: 11:52:47 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,231.48Azi)
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	1.73	220.59	4899.32	10.95	-33.84	12.94	0.36	36.23	159.07
5000.00	1.38	220.50	4999.28	13.61	-35.90	11.18	0.35	37.60	162.71
5100.00	1.26	215.36	5099.25	15.85	-37.71	9.76	0.17	38.95	165.49
5200.00	1.31	218.66	5199.23	18.02	-39.50	8.41	0.09	40.39	167.99
5300.00	1.42	219.38	5299.20	20.35	-41.35	6.91	0.11	41.92	170.52
5400.00	1.20	223.70	5399.17	22.60	-43.07	5.40	0.24	43.40	172.86
5500.00	1.17	220.89	5499.15	24.64	-44.60	4.00	0.07	44.78	174.87
5600.00	1.12	224.29	5599.13	26.61	-46.07	2.65	0.08	46.14	176.70
5700.00	0.92	217.51	5699.12	28.36	-47.40	1.48	0.23	47.43	178.21
5800.00	0.91	205.40	5799.10	29.85	-48.76	0.65	0.19	48.76	179.23
5900.00	0.93	207.24	5899.09	31.31	-50.20	-0.06	0.04	50.20	180.07
6000.00	0.82	200.02	5999.08	32.66	-51.59	-0.68	0.16	51.59	180.75
6100.00	0.90	196.81	6099.07	33.91	-53.01	-1.15	0.09	53.03	181.24
6200.00	0.79	199.89	6199.06	35.15	-54.41	-1.61	0.12	54.44	181.69
6300.00	0.66	185.39	6299.05	36.13	-55.64	-1.90	0.22	55.67	181.95
6400.00	0.71	191.58	6399.04	37.01	-56.82	-2.08	0.09	56.85	182.09
6450.00	0.90	185.95	6449.04	37.52	-57.51	-2.18	0.41	57.55	182.17



Scientific Drilling International Survey Report

Company: CHEVRON
Field: Drinkard
Site: Lea County, NM
Well: Central Drindard #106H
Wellpath: DH - Job #32D0905687

Date: 10/15/2005 Time: 11:57:32 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,231.48Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 09/19/05-09/29/05 Start Date: 9/19/2005
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
6450.00	0.90	185.95	6449.04	37.52	-57.51	-2.18	0.00	57.55	182.17
6458.00	0.90	185.95	6457.04	37.61	-57.64	-2.19	0.00	57.68	182.18
6524.00	21.83	236.55	6521.41	50.34	-65.00	-12.60	32.23	66.21	190.97
6556.00	32.26	230.59	6549.87	64.85	-73.73	-24.20	33.64	77.60	198.17
6587.00	42.39	230.63	6574.49	83.62	-85.64	-38.71	32.68	93.98	204.32
6619.00	52.57	231.02	6596.09	107.17	-100.51	-56.97	31.83	115.54	209.55
6649.00	62.38	233.24	6612.20	132.43	-116.00	-76.93	33.29	139.19	213.55
6681.00	70.99	234.32	6624.86	161.77	-133.34	-100.62	27.08	167.05	217.04
6712.00	76.38	233.82	6633.56	191.48	-150.79	-124.70	17.46	195.68	219.59
6744.00	82.34	234.08	6639.47	222.88	-169.29	-150.12	18.64	226.26	221.56
6776.00	83.73	234.73	6643.35	254.61	-187.78	-175.95	4.79	257.33	223.14
6807.00	88.39	233.94	6645.48	285.49	-205.81	-201.07	15.25	287.72	224.33
6839.00	89.23	234.77	6646.14	317.44	-224.45	-227.06	3.69	319.27	225.33
6871.00	89.43	234.73	6646.52	349.38	-242.92	-253.19	0.64	350.88	226.19
6902.00	92.72	234.67	6645.93	380.32	-260.83	-278.49	10.61	381.56	226.88
6934.00	96.13	235.90	6643.47	412.15	-278.99	-304.71	11.32	413.14	227.52
6965.00	96.16	235.79	6640.15	442.89	-296.30	-330.21	0.37	443.66	228.10
6998.00	96.29	235.88	6636.57	475.60	-314.72	-357.36	0.48	476.19	228.63
7029.00	96.20	235.92	6633.20	506.32	-332.00	-382.87	0.32	506.77	229.07
7061.00	96.03	235.94	6629.79	538.04	-349.82	-409.23	0.53	538.37	229.48
7093.00	95.52	236.94	6626.57	569.76	-367.42	-435.76	3.49	569.99	229.86
7124.00	95.65	236.78	6623.55	600.48	-384.29	-461.60	0.66	600.62	230.22
7156.00	95.82	237.23	6620.35	632.17	-401.63	-488.30	1.50	632.25	230.56
7187.00	94.84	236.22	6617.47	662.91	-418.56	-514.10	4.53	662.95	230.85
7219.00	94.81	235.78	6614.78	694.69	-436.39	-540.54	1.37	694.71	231.09
7250.00	94.81	235.57	6612.18	725.50	-453.81	-566.05	0.68	725.51	231.28
7282.00	95.28	236.03	6609.37	757.29	-471.73	-592.42	2.05	757.29	231.47
7313.00	95.21	236.36	6606.54	788.05	-488.90	-618.07	1.08	788.06	231.66
7345.00	95.45	236.82	6603.56	819.79	-506.45	-644.66	1.62	819.80	231.85
7376.00	94.13	232.85	6600.97	850.62	-524.24	-669.91	13.45	850.65	231.96
7408.00	94.41	234.28	6598.59	882.51	-543.19	-695.58	4.54	882.55	232.01
7440.00	94.41	233.35	6596.13	914.39	-562.02	-721.33	2.90	914.44	232.08
7471.00	94.77	233.89	6593.65	945.27	-580.35	-746.21	2.09	945.33	232.13
7503.00	92.25	233.09	6591.69	977.18	-599.35	-771.88	8.26	977.25	232.17
7534.00	90.97	232.34	6590.82	1008.16	-618.12	-796.54	4.79	1008.24	232.19
7566.00	91.51	232.84	6590.13	1040.15	-637.56	-821.95	2.30	1040.23	232.20
7597.00	89.80	230.50	6589.77	1071.14	-656.78	-846.26	9.35	1071.22	232.18
7629.00	89.70	230.39	6589.91	1103.14	-677.16	-870.93	0.46	1103.21	232.13
7661.00	89.83	231.32	6590.04	1135.14	-697.36	-895.75	2.93	1135.20	232.10
7692.00	89.63	230.97	6590.19	1166.13	-716.81	-919.89	1.30	1166.20	232.07
7724.00	88.69	228.97	6590.66	1198.12	-737.39	-944.39	6.91	1198.17	232.02
7756.00	88.72	229.30	6591.38	1230.08	-758.32	-968.58	1.04	1230.12	231.94
7788.00	89.09	229.31	6591.99	1262.05	-779.18	-992.84	1.16	1262.08	231.88
7819.00	88.92	229.06	6592.53	1293.02	-799.44	-1016.30	0.98	1293.05	231.81
7851.00	89.39	228.43	6593.00	1324.98	-820.54	-1040.35	2.46	1325.00	231.74
7882.00	89.09	228.45	6593.41	1355.94	-841.10	-1063.55	0.97	1355.94	231.66
7914.00	87.28	229.93	6594.43	1387.89	-862.00	-1087.75	7.30	1387.90	231.60
7946.00	86.64	230.60	6596.13	1419.84	-882.43	-1112.33	2.89	1419.84	231.57
7978.00	86.94	230.11	6597.92	1451.78	-902.82	-1136.93	1.79	1451.79	231.55



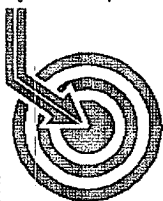
Scientific Drilling International Survey Report

Company: CHEVRON
Field: Drinkard
Site: Lea County, NM
Well: Central Drindard #106H
Wellpath: DH - Job #32D0905687

Date: 10/15/2005 Time: 11:57:32 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,231.48Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

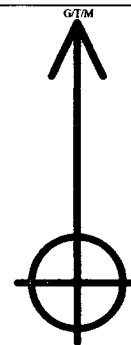
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
8009.00	85.69	231.44	6599.91	1482.72	-922.38	-1160.89	5.88	1482.72	231.53
8041.00	85.39	230.65	6602.40	1514.62	-942.44	-1185.70	2.63	1514.62	231.52
8073.00	85.19	231.15	6605.03	1546.51	-962.55	-1210.45	1.68	1546.51	231.51
8104.00	84.99	230.86	6607.68	1577.39	-981.98	-1234.46	1.13	1577.39	231.50
8135.00	85.29	230.76	6610.31	1608.28	-1001.50	-1258.40	1.02	1608.28	231.49
8167.00	85.46	231.06	6612.89	1640.17	-1021.61	-1283.15	1.07	1640.17	231.47
8199.00	85.63	231.53	6615.37	1672.08	-1041.56	-1308.05	1.56	1672.08	231.47
8230.00	85.72	231.43	6617.71	1702.99	-1060.81	-1332.23	0.43	1702.99	231.47
8262.00	83.26	230.97	6620.78	1734.84	-1080.77	-1357.06	7.82	1734.84	231.47
8294.00	83.77	231.53	6624.40	1766.63	-1100.67	-1381.85	2.36	1766.63	231.46
8325.00	83.66	231.25	6627.79	1797.45	-1119.90	-1405.93	0.97	1797.45	231.46
8357.00	83.93	230.67	6631.25	1829.26	-1139.94	-1430.64	1.99	1829.26	231.45
8388.00	83.50	230.17	6634.64	1860.07	-1159.57	-1454.39	2.12	1860.07	231.43
8403.00	83.73	230.61	6636.31	1874.97	-1169.08	-1465.87	3.29	1874.97	231.43
8444.00	83.73	230.61	6640.79	1915.72	-1194.94	-1497.37	0.00	1915.72	231.41



**Scientific
Drilling**

Field: Drinkard
Site: Lea County, NM
Well: Central Drindard #106H
Wellpath: DH - Job #32D0905687
Survey: 09/19/05-09/29/05



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 10/15/2005
Model: Wmm_95

West(-)/East(+) [200ft/in]

South(-)/North(+) [200ft/in]

