

Record of Survey

Chevron USA

Chevron



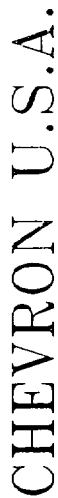
H.T. Mattern #9
Lea County, New Mexico
30-025-25254

Tuesday, May 29, 2001

30-025-25254
SUR: P-7-215-37e
660/s & 710/e

<1> BHL
P-7-215-37e
653/s & 1484/e

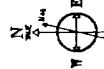
<2> BHL
P-7-215-37e
621/s & 763/e



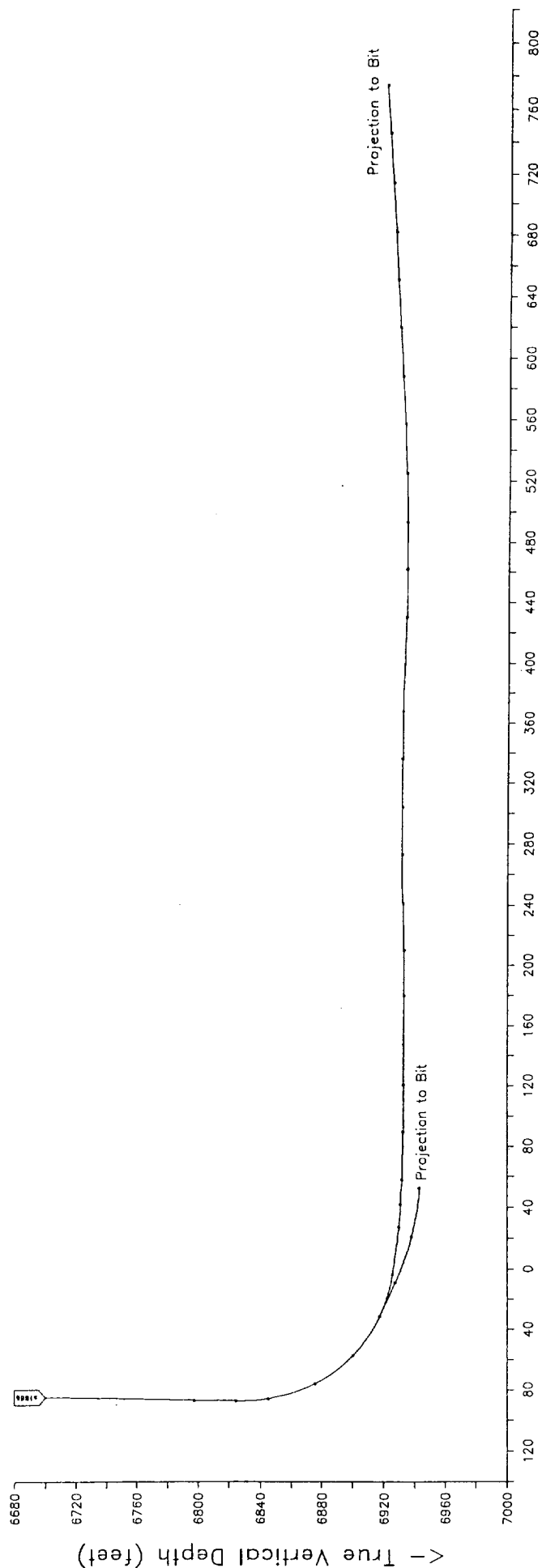
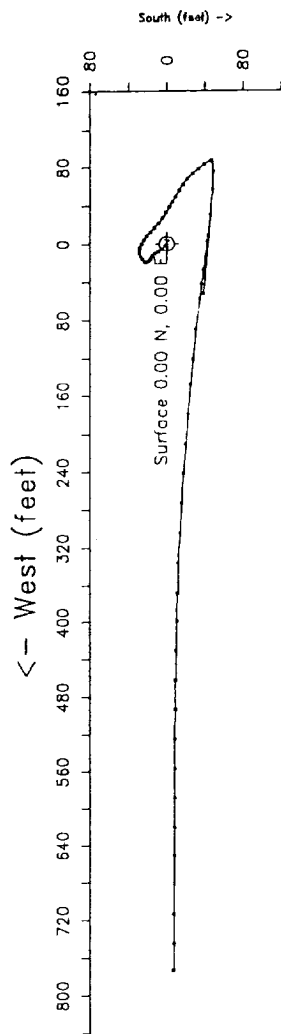
Structure : H. T. Mattern No. 9	Slot : slot #1
Field : UNKNOWN	Location : LEA COUNTY, NEW MEXICO



INTRODUCTION



18-Apr-2001 (source BCCU)
Magnetic North is 8.83 degrees East of TRUE North
To correct azimuth from Magnetic to TRUE add 8.83 deg



Vertical Section (feet) ->

Azimuth 270.00 with reference 0.00 N, 0.00 E from slot #1

CHEVRON U.S.A.



H. T. Mattern No. 9

slot #1
UNKNOWN
LEA COUNTY, NEW MEXICO

SURVEY LISTING

by
Baker Hughes INTEQ

Your ref : MWD Survey
Our ref : svy1665
License :

Date printed : 29-May-2001
Date created : 18-Apr-2001
Last revised : 29-May-2001

Field is centred on n33 30 0.000,w103 30 0
Structure is centred on n33 30 0.000,w103 30 0

Slot location is n33 30 0.000,w103 30 0.000
Slot Grid coordinates are N 910447.292, E 754038.883
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North

H. T. Mattern No. 9



INTEQ

2105 Market Street
Midland, Texas 79703
Tel. (915) 694-9517
Fax (915) 694-5648

Drain Hole #1

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
200.00	1.44	315.11	199.98	1.78 N	1.78 W	0.72	1.78
400.00	1.35	316.74	399.92	5.28 N	5.16 W	0.05	5.16
600.00	1.37	322.77	599.86	8.90 N	8.22 W	0.07	8.22
800.00	1.07	332.12	799.82	12.44 N	10.54 W	0.18	10.54
1000.00	0.91	307.95	999.79	15.06 N	12.66 W	0.22	12.66
1200.00	0.86	297.12	1199.77	16.72 N	15.25 W	0.09	15.25
1400.00	0.53	322.39	1399.75	18.15 N	17.16 W	0.22	17.16
1600.00	0.48	315.54	1599.74	19.49 N	18.32 W	0.04	18.32
1800.00	0.45	322.09	1799.74	20.71 N	19.39 W	0.03	19.39
2000.00	0.40	355.81	1999.73	22.04 N	19.93 W	0.13	19.93
2200.00	0.76	44.24	2199.72	23.69 N	19.05 W	0.29	19.05
2400.00	1.07	56.08	2399.70	25.69 N	16.58 W	0.18	16.58
2600.00	1.07	63.28	2599.66	27.57 N	13.35 W	0.07	13.35
2800.00	0.92	75.60	2799.63	28.81 N	10.14 W	0.13	10.14
3000.00	0.84	100.20	2999.61	28.95 N	7.15 W	0.19	7.15
3200.00	1.08	110.61	3199.58	28.02 N	3.94 W	0.15	3.94
3400.00	1.28	116.08	3399.54	26.38 N	0.18 W	0.11	0.18
3600.00	1.37	123.35	3599.48	24.09 N	3.82 E	0.10	-3.82
3800.00	1.52	123.98	3799.42	21.29 N	8.01 E	0.08	-8.01
4000.00	1.81	133.13	3999.34	17.65 N	12.52 E	0.20	-12.52
4200.00	1.91	134.81	4199.23	13.13 N	17.20 E	0.06	-17.20
4400.00	1.95	131.45	4399.12	8.53 N	22.12 E	0.06	-22.12
4600.00	1.90	121.51	4599.01	4.54 N	27.49 E	0.17	-27.49
4800.00	1.96	121.80	4798.89	1.01 N	33.22 E	0.03	-33.22
5000.00	1.72	120.67	4998.79	2.33 S	38.72 E	0.12	-38.72
5200.00	1.85	121.28	5198.69	5.54 S	44.06 E	0.06	-44.06
5400.00	1.98	121.94	5398.58	9.04 S	49.75 E	0.07	-49.75
5600.00	2.09	119.97	5598.45	12.69 S	55.84 E	0.06	-55.84
5800.00	2.23	123.29	5798.31	16.65 S	62.26 E	0.10	-62.26
6000.00	2.25	133.79	5998.16	21.50 S	68.35 E	0.21	-68.35

6200.00	2.18	138.61	6198.01	27.06 S	73.69 E	0.10	-73.69
6400.00	2.23	143.58	6397.86	33.04 S	78.51 E	0.10	-78.51
6600.00	2.16	145.95	6597.72	39.29 S	82.93 E	0.06	-82.93
6800.00	2.24	151.57	6797.57	45.85 S	86.90 E	0.12	-86.90
6827.00	2.23	152.48	6824.55	46.78 S	87.39 E	0.14	-87.39
6848.00	9.50	255.30	6845.45	47.58 S	85.90 E	48.69	-85.90
6880.00	27.60	268.30	6875.67	48.48 S	75.85 E	57.68	-75.85
6911.00	47.10	274.30	6900.21	47.83 S	57.16 E	63.92	-57.16
6942.00	66.10	275.00	6917.19	45.73 S	31.48 E	61.32	-31.48
6972.00	80.70	277.40	6925.74	42.61 S	2.99 E	49.26	-2.99
7003.00	84.50	277.80	6929.73	38.54 S	27.48 W	12.32	27.48
7018.00	86.50	278.10	6930.91	36.48 S	42.29 W	13.48	42.29
7034.00	87.30	277.80	6931.78	34.27 S	58.11 W	5.34	58.11
7066.00	89.30	275.70	6932.73	30.51 S	89.87 W	9.06	89.87
7097.00	90.10	275.30	6932.89	27.54 S	120.73 W	2.89	120.73
7124.00	89.50	275.30	6932.98	25.04 S	147.61 W	2.22	147.61
7156.00	90.00	274.60	6933.12	22.28 S	179.49 W	2.69	179.49
7187.00	90.00	274.60	6933.12	19.79 S	210.39 W	0.00	210.39
7218.00	92.20	274.30	6932.53	17.39 S	241.29 W	7.16	241.29
7250.00	89.80	273.20	6931.97	15.30 S	273.22 W	8.25	273.22
7281.00	90.10	272.90	6931.99	13.65 S	304.17 W	1.37	304.17
7313.00	89.80	272.20	6932.02	12.22 S	336.14 W	2.38	336.14
7345.00	88.90	271.80	6932.39	11.11 S	368.12 W	3.08	368.12
7376.00	88.10	271.20	6933.20	10.30 S	399.10 W	3.23	399.10
7407.00	88.40	270.70	6934.14	9.78 S	430.08 W	1.88	430.08
7439.00	89.80	271.10	6934.65	9.28 S	462.07 W	4.55	462.07
7470.00	90.20	270.40	6934.65	8.87 S	493.07 W	2.60	493.07
7502.00	91.40	270.40	6934.20	8.65 S	525.06 W	3.75	525.06
7534.00	92.30	270.40	6933.17	8.43 S	557.05 W	2.81	557.05
7565.00	93.00	270.00	6931.73	8.32 S	588.01 W	2.60	588.01
7597.00	93.40	270.00	6929.95	8.32 S	619.96 W	1.25	619.96
7628.00	92.90	270.00	6928.24	8.32 S	650.91 W	1.61	650.91
7659.00	92.90	270.70	6926.68	8.13 S	681.87 W	2.26	681.87
7691.00	93.60	270.40	6924.86	7.82 S	713.82 W	2.38	713.82
7722.00	93.70	270.40	6922.89	7.61 S	744.76 W	0.32	744.76
7751.00	95.00	270.40	6920.69	7.41 S	773.67 W	4.48	773.67

Projection to Bit



INTEQ

2105 Market Street
Midland, Texas 79703
Tel. (915) 694-9517
Fax (915) 694-5648

Drain Hole #2 (Sidetrack)

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
200.00	1.44	315.11	199.98	1.78 N	1.78 W	0.72	1.78
400.00	1.35	316.74	399.92	5.28 N	5.16 W	0.05	5.16
600.00	1.37	322.77	599.86	8.90 N	8.22 W	0.07	8.22
800.00	1.07	332.12	799.82	12.44 N	10.54 W	0.18	10.54
1000.00	0.91	307.95	999.79	15.06 N	12.66 W	0.22	12.66
1200.00	0.86	297.12	1199.77	16.72 N	15.25 W	0.09	15.25
1400.00	0.53	322.39	1399.75	18.15 N	17.16 W	0.22	17.16
1600.00	0.48	315.54	1599.74	19.49 N	18.32 W	0.04	18.32
1800.00	0.45	322.09	1799.74	20.71 N	19.39 W	0.03	19.39
2000.00	0.40	355.81	1999.73	22.04 N	19.93 W	0.13	19.93
2200.00	0.76	44.24	2199.72	23.69 N	19.05 W	0.29	19.05
2400.00	1.07	56.08	2399.70	25.69 N	16.58 W	0.18	16.58
2600.00	1.07	63.28	2599.66	27.57 N	13.35 W	0.07	13.35
2800.00	0.92	75.60	2799.63	28.81 N	10.14 W	0.13	10.14
3000.00	0.84	100.20	2999.61	28.95 N	7.15 W	0.19	7.15
3200.00	1.08	110.61	3199.58	28.02 N	3.94 W	0.15	3.94
3400.00	1.28	116.08	3399.54	26.38 N	0.18 W	0.11	0.18
3600.00	1.37	123.35	3599.48	24.09 N	3.82 E	0.10	-3.82
3800.00	1.52	123.98	3799.42	21.29 N	8.01 E	0.08	-8.01
4000.00	1.81	133.13	3999.34	17.65 N	12.52 E	0.20	-12.52
4200.00	1.91	134.81	4199.23	13.13 N	17.20 E	0.06	-17.20
4400.00	1.95	131.45	4399.12	8.53 N	22.12 E	0.06	-22.12
4600.00	1.90	121.51	4599.01	4.54 N	27.49 E	0.17	-27.49
4800.00	1.96	121.80	4798.89	1.01 N	33.22 E	0.03	-33.22
5000.00	1.72	120.67	4998.79	2.33 S	38.72 E	0.12	-38.72
5200.00	1.85	121.28	5198.69	5.54 S	44.06 E	0.06	-44.06
5400.00	1.98	121.94	5398.58	9.04 S	49.75 E	0.07	-49.75
5600.00	2.09	119.97	5598.45	12.69 S	55.84 E	0.06	-55.84
5800.00	2.23	123.29	5798.31	16.65 S	62.26 E	0.10	-62.26
6000.00	2.25	133.79	5998.16	21.50 S	68.35 E	0.21	-68.35

[illegible]