

SUBSOMERK : OREHOI WESTERN DRILLING COMPANY

WELL # : STATE 85 #1

LOCATION : LEA COUNTY, NEW MEXICO

DATE : 3/16/84

DR TYPE : MAG. MULTISHOT, SINGLE SHOT

DB # : MS-1394

DRIVER : R. RICE, D. RODGERS

EPHMS : 5077'-8890', 8890'-12563'

ECL. : 10 DEGREES EAST

LEV. : 0'

FILE # : WT-113CS FROM WT-H12S: D701

Jeane Starr
Jeane Starr, Notary Public
Midland County, Texas
Commission expires 08-21-85

E. HUB : RADIUS OF CURVATURE

SECTION : NOOE

INAL STATION DATA:

THIS SURVEY IS CORRECT TO THE
BEST OF MY KNOWLEDGE AND IS
SUPPORTED BY ACTUAL FIELD DATA.
DIG REPRESENTATIVE

MEASURED : INCL. : HOLE : COURSE : VERTICAL : VERTICAL : RECTANGULAR : C L U S U R E : DOG-LEG
DEPTH : ANGLE : DIRECTION : LENGTH : DEPTH : SECTION : C O R D I N A T E S : DISTANCE : DIRECTION : S E V E R I T Y
F L E T : D E G S. : D E G S. : F E E T : F E E T : F E E T : F E E T : M / S : F E E T : L / M : F E E T : D E G S. : D E G / 100 F T

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HOME OFFICE

MEASURED	INCL.	HOLE	COURSE	VERTICAL	VERTICAL	RECTANGULAR	C L O S U R E	DOG-LEG
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	TO U O R D I N A T E S	DISTANCE	DIRECTION
FEET	DIGS.	DIGS.	FEET	FEET	FEET	N/S	FEET	DIGS.
0.00	0.00	N 00.00 E	0.00	0.00	0.00	N	0.00	0.00
500.00	0.00	N 00.00 E	500.00	0.00	0.00	N	0.00	0.00
1000.00	1.00	N 05.00 E	27.00	5077.00	10.00	N	24.00	65.00
ASSUMED VERTICAL TO 5050'								
171.00	.50	N 79.00 E	99.00	5170.99	.40	N	1.38	70.87
500.00	.50	N 79.00 E	99.00	5266.99	.66	N	2.18	73.02
500.00	.75	N 79.00 E	99.00	5356.98	.80	N	3.19	75.99
500.00	1.00	N 80.00 E	99.00	5452.97	.85	N	4.62	79.63
500.00	1.00	N 85.00 E	99.00	5546.96	.96	N	6.26	83.27
500.00	1.00	N 89.00 E	99.00	5640.94	1.00	N	7.90	87.75
500.00	1.00	N 90.00 E	99.00	5733.93	.96	N	9.53	91.23
500.00	1.25	N 79.00 E	99.00	5827.91	.75	N	11.36	94.20
500.00	1.25	N 72.00 E	99.00	5921.89	.24	N	13.34	96.96
500.00	1.00	N 81.00 E	99.00	6015.87	.19	N	15.13	99.27
500.00	1.00	N 89.00 E	99.00	6109.85	.33	N	16.77	101.06
500.00	1.00	N 90.00 E	99.00	6203.84	.39	N	18.41	103.78
500.00	1.00	N 79.00 E	99.00	6297.83	.60	N	20.02	106.27
500.00	1.00	N 65.00 E	99.00	6391.81	1.12	N	21.58	108.01
500.00	1.25	N 64.00 E	99.00	6485.79	1.92	N	23.25	109.28
500.00	1.25	N 62.00 E	99.00	6579.77	2.88	N	25.06	110.53
500.00	1.50	N 55.00 E	99.00	6673.75	4.02	N	26.98	111.52
500.00	1.50	N 45.00 E	99.00	6767.73	5.60	N	28.96	112.02
500.00	1.25	N 49.00 E	99.00	6861.71	7.13	N	30.91	112.83
500.00	1.50	N 45.00 E	99.00	6955.69	8.67	N	32.16	113.90
500.00	1.25	N 40.00 E	99.00	7049.67	10.34	N	33.68	114.94
500.00	1.25	N 42.00 E	99.00	7143.65	11.88	N	35.03	115.26

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MEASURED INCH. 3 INCH. 3 COURSE 3 VERTICAL 3 3 IRUE 3
DEPTH 3 ANGLE 3 DISTANCE 3 LENGTH 3 DEPTH 3 SECTION 3 C O U N D I N A I L S 3 DISTANCE 3 DIRECTION 3 DESS, 3 DOG-LEG
FILE 3 DESS, 3 FILE 3 FILE 3 FILE 3 N/S 3 feet 3 E/W 3 FILE 3 DG/100FT

7237.00	3	1.50	3	57.00	E	3	74.00	3	72.56	3	-13.34	3	13.34	3	36.74	E	3	37.09	3	70.03	E	3	.46
7238.00	3	1.50	3	57.00	L	3	74.00	3	72.56	3	-14.87	3	14.87	3	38.65	E	3	41.42	3	68.93	E	3	.33
7239.00	3	1.25	3	56.00	E	3	73.00	3	74.23	3	-16.54	3	16.54	3	40.10	E	3	43.43	3	67.62	E	3	.30
7240.00	3	1.50	3	56.00	L	3	74.00	3	75.17	3	-18.33	3	18.33	3	41.51	E	3	45.38	3	66.17	E	3	.31
7241.00	3	5.00	3	56.00	E	3	75.00	3	76.75	3	-20.40	3	20.40	3	49.44	E	3	53.51	3	67.52	E	3	3.17

7242.00	3	5.25	3	57.00	E	3	77.00	3	77.36	3	-18.16	3	18.16	3	54.48	E	3	57.42	3	71.56	E	3	.59
7243.00	3	5.25	3	57.00	E	3	78.00	3	78.62	3	-19.93	3	19.93	3	55.97	E	3	59.22	3	70.91	E	3	.83
7244.00	3	6.75	3	58.00	L	3	79.00	3	79.24	3	-9.75	3	9.75	3	72.35	E	3	73.00	3	82.32	E	3	.81
7245.00	3	7.00	3	60.00	E	3	80.00	3	79.90	3	-5.98	3	5.98	3	79.29	E	3	79.52	3	85.68	E	3	.66
7246.00	3	7.00	3	62.00	E	3	80.01	3	80.81	3	-15.4	3	.54	3	89.10	E	3	89.10	3	89.65	E	3	.26

8216.00	3	7.50	3	63.00	E	3	129.00	3	8208.74	3	6.92	3	6.92	3	103.42	E	3	103.66	3	86.17	E	3	.40
8217.00	3	7.00	3	62.00	E	3	129.00	3	83.31	3	14.14	3	14.14	3	117.31	E	3	118.16	3	83.12	E	3	.42
8218.00	3	6.00	3	64.00	L	3	128.00	3	84.00	3	20.72	3	20.72	3	120.22	E	3	131.86	3	80.95	E	3	.80
8219.00	3	5.75	3	60.00	E	3	85.00	3	85.21	3	23.75	3	23.75	3	120.91	E	3	132.92	3	80.00	E	3	.76
8220.00	3	5.00	3	62.00	L	3	86.00	3	86.94	3	26.28	3	26.28	3	141.19	E	3	143.62	3	79.41	E	3	1.58

8622.00	3	5.00	3	67.00	L	3	31.00	3	8615.29	3	27.43	3	27.43	3	146.68	E	3	146.27	3	79.18	E	3	0.00
8623.00	3	5.25	3	61.00	L	3	31.00	3	86.66	3	28.65	3	28.65	3	146.16	E	3	148.94	3	78.91	E	3	1.91
8624.00	3	5.50	3	57.00	E	3	32.00	3	86.77	3	29.96	3	29.96	3	148.86	E	3	151.86	3	78.61	E	3	1.92
8625.00	3	5.50	3	63.00	L	3	30.00	3	87.07	3	31.00	3	31.00	3	151.51	E	3	154.66	3	78.41	E	3	.32
8747.00	3	5.50	3	68.00	L	3	32.00	3	87.50	3	32.21	3	32.21	3	156.36	E	3	157.68	3	78.21	E	3	0.00

8777.00	3	5.25	3	66.00	L	3	30.00	3	87.69	3	33.31	3	33.31	3	156.74	E	3	160.46	3	78.01	E	3	1.04
8807.00	3	7.75	3	57.00	E	3	31.00	3	88.00	3	34.64	3	34.64	3	159.31	E	3	163.03	3	77.74	E	3	3.00
8837.00	3	4.25	3	42.00	E	3	31.00	3	88.31	3	36.16	3	36.16	3	161.17	E	3	165.18	3	77.35	E	3	3.88
8871.00	3	6.50	3	41.00	E	3	32.00	3	88.83	3	37.76	3	37.76	3	162.62	E	3	166.95	3	76.92	E	3	2.38
8907.00	3	5.00	3	38.00	E	3	31.00	3	89.04	3	39.19	3	39.19	3	163.66	E	3	168.27	3	76.53	E	3	2.57

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MEASURED INCL. HOLE COURSE VERTICAL VERTICAL RECTANGULAR CLOSURE DOG-LEG
DEPTH AREA DIRECTION LENGTH DEPTH SECTION E.C.O.D.R. INCHES DISTANCE DIRECTION SEVERITY
FEET DEGS. FEET FEET FEET N/S feet E/W FEET DEGS. DEGS/100'

0933.00	3.25	N 12.00 E	31.00	8925.14	40.75	40.75 N	164.24 E	169.23at N	76.06 E	3.25
0934.00	3.00	N 11.00 W	31.00	8926.00	42.44	42.44 N	164.26 E	169.65at N	76.51 E	4.05
0937.00	3.75	N 42.00 W	33.00	8929.45	44.15	44.15 N	164.39 E	169.25at N	74.87 E	6.04
0938.00	4.50	N 40.00 W	31.00	9019.92	45.52	45.52 N	161.65 E	167.94at N	74.26 E	4.60
0939.00	2.00	S 57.00 W	445.00	9468.20	44.90	44.90 N	137.68 E	144.82at N	71.93 E	.90

0940.00	1.00	S 30.00 W	31.00	9490.18	44.15	44.15 N	164.90 E	166.80at N	72.12 E	2.35
0941.00	1.00	S 18.00 W	31.00	9500.16	43.20	43.20 N	164.42 E	163.10at N	72.43 E	2.24
0942.00	1.00	S 08.00 E	60.00	9501.12	40.90	40.90 N	166.11 E	142.14at N	73.25 E	.86
0943.00	1.00	S 01.00 W	30.00	9621.18	39.91	39.91 N	126.00 E	141.81at N	73.65 E	1.47
0944.00	3.00	S 05.00 W	93.00	9714.01	35.87	35.87 N	135.76 E	140.42at N	75.20 E	1.03

0945.00	2.00	S 10.00 W	32.00	9745.97	34.21	34.21 N	136.54 E	129.22at N	75.03 E	.82
0946.00	2.25	S 11.00 W	32.00	9777.92	32.49	32.49 N	135.22 E	139.07at N	76.48 E	.60
0947.00	4.00	S 02.00 W	31.00	9800.80	30.56	30.56 N	134.90 E	130.32at N	77.23 E	2.49
0948.00	1.25	S 13.00 W	20.00	9820.75	28.44	28.44 N	134.51 E	137.48at N	78.06 E	1.44
0949.00	5.00	S 01.00 W	21.00	9861.68	25.98	25.98 N	134.07 E	136.57at N	79.03 E	2.88

0950.00	3.25	S 01.00 W	20.00	9925.46	20.99	20.99 N	133.72 E	135.36at N	81.07 E	1.06
0951.00	3.25	S 10.00 W	31.00	9950.32	18.10	18.10 N	133.45 E	134.67at N	82.27 E	2.83
1001.00	2.75	N 09.00 E	246.00	10201.66	19.52	19.52 N	121.90 E	123.45at N	80.90 E	3.35
1002.00	3.00	N 10.00 E	12.00	10213.64	20.12	20.12 N	121.97 E	123.62at N	80.63 E	3.26
1003.00	3.25	N 14.00 E	21.00	10276.66	21.77	21.77 N	122.32 E	124.24at N	79.99 E	1.07

1004.00	3.00	N 03.00 W	22.00	10276.66	23.50	23.50 N	122.49 E	124.72at N	79.12 E	2.99
1005.00	3.75	N 03.00 E	21.00	10302.51	25.05	25.05 N	122.40 E	125.02at N	78.43 E	1.26
1006.00	2.75	N 14.00 E	32.00	10339.40	26.57	26.57 N	122.71 E	125.56at N	77.78 E	1.65
1007.00	2.75	N 14.00 E	32.00	10371.41	28.06	28.06 N	123.09 E	126.24at N	77.15 E	0.00
1008.00	3.00	N 20.00 E	32.00	10403.40	29.59	29.59 N	123.55 E	127.05at N	76.52 E	1.22

MEASURED INCL. HOLE COURSE VERTICAL RECTANGULAR CLOSURE DOG-LEG
DEPTH ANGLE DIRECTUM DEPTH DEPTH FEET N/S Feet E/W FEET DISTANCE DIRECTION DEGS. DEG/100 F
10776.00 2.75 30.00 02.00 10465.32 32.11 32.11 129.32 129.37 75.62 L 2.72
10780.00 3.00 30.00 02.00 10527.24 34.43 34.43 129.30 121.94 74.07 E 1.43
10784.00 3.20 30.00 02.00 10580.15 32.19 32.19 129.43 134.65 73.96 E 1.72
10788.00 3.50 30.00 02.00 10632.04 39.93 39.93 131.92 137.86 73.16 E 1.61
10792.00 3.00 30.00 02.00 10684.99 41.31 41.31 133.00 139.35 72.75 E 2.30

10796.00 3.20 30.00 02.00 10737.64 52.80 52.80 136.90 146.09 68.80 E 1.97
10800.00 3.00 30.00 02.00 10790.50 56.95 56.95 140.43 147.84 67.34 E 2.02
10804.00 3.20 30.00 02.00 10842.42 59.15 59.15 135.70 140.10 66.46 E 1.90
10808.00 3.70 30.00 02.00 11020.32 61.32 61.32 134.70 147.99 65.52 E 4.57
10812.00 3.50 30.00 02.00 11060.20 63.76 63.76 133.22 147.70 64.42 E 3.22

10816.00 3.00 30.00 02.00 11110.00 65.74 65.74 134.30 159.40 57.45 E 1.53
10820.00 3.50 30.00 02.00 11160.27 87.22 87.22 135.33 161.00 57.20 E 1.61
10824.00 3.70 30.00 02.00 11210.20 88.92 88.92 136.42 162.84 56.90 E 1.81
10828.00 4.00 30.00 02.00 11260.13 90.66 90.66 137.53 164.72 56.61 E 1.12
10832.00 4.00 30.00 02.00 11310.05 92.45 92.45 138.90 166.87 56.35 E 1.22

10836.00 4.25 30.00 02.00 11360.97 94.27 94.27 140.34 169.06 56.11 E 1.90
10840.00 4.50 30.00 02.00 11410.80 96.12 96.12 141.01 171.31 55.87 E 1.84
10844.00 5.00 30.00 02.00 11460.66 100.46 100.46 142.92 172.31 55.28 E 1.92
10848.00 5.00 30.00 02.00 11510.54 102.59 102.59 140.51 178.86 54.99 E 1.12
10852.00 5.00 30.00 02.00 11560.42 104.80 104.80 140.21 181.52 54.73 E 1.22

10856.00 5.00 30.00 02.00 11610.30 107.05 107.05 149.70 184.04 54.43 E 1.92
10860.00 5.25 30.00 02.00 11660.18 109.41 109.41 150.92 186.45 54.07 E 1.22
10864.00 4.00 30.00 02.00 11710.03 111.71 111.71 152.15 188.75 53.71 E 3.91
10868.00 3.75 30.00 02.00 11760.00 113.58 113.58 153.22 190.73 53.45 E 1.49
10872.00 3.75 30.00 02.00 11810.94 115.17 115.17 154.42 192.69 53.29 E 2.11

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