

TEVENS OPERATING CORPORATION
EEMAR FEDERAL WELL NO 1
HAVES COUNTY, NEW MEXICO

DATE PRINTED : 01-AUG-89
OUR REF. NO. : S01365.48Z
DECLINATION : 10.00JOB NUMBER :

PAGE NO. 4

MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	R E C T A N G U L A R C O O R D I N A T E S	DOGLEG SEVERITY
6000.00	0 30	N 87 0 E	100.00	5999.25	49.45 N 22.60 E	1.01
6100.00	2 15	N 84 0 E	100.00	6099.22	49.64 N 24.99 E	1.75
6200.00	1 30	N 89 0 E	100.00	6199.17	49.84 N 28.25 E	0.77
6300.00	1 15	N 70 0 E	100.00	6299.14	50.28 N 30.60 E	0.52
6400.00	1 30	N 74 0 E	100.00	6399.11	51.02 N 32.88 E	0.27
6500.00	1 45	N 67 0 E	100.00	6499.07	51.96 N 35.55 E	0.32
6600.00	2 0	N 73 0 E	100.00	6599.01	53.08 N 38.63 E	0.32
6700.00	2 0	N 79 0 E	100.00	6698.95	53.93 N 42.01 E	0.21
6800.00	2 0	N 79 0 E	100.00	6798.89	54.59 N 45.44 E	0.00
6900.00	2 0	N 83 0 E	100.00	6898.83	55.14 N 48.88 E	0.14
7000.00	1 15	S 85 0 E	100.00	6998.79	55.19 N 51.71 E	0.82
7100.00	1 30	N 74 0 E	100.00	7098.76	55.42 N 54.09 E	0.56
7200.00	2 0	N 76 0 E	100.00	7198.71	56.21 N 57.04 E	0.50
7300.00	1 45	N 61 0 E	100.00	7298.66	57.40 N 60.07 E	0.55
7400.00	2 0	N 74 0 E	100.00	7398.61	58.65 N 63.09 E	0.49
7500.00	1 45	N 68 0 E	100.00	7498.55	59.72 N 66.18 E	0.32
7600.00	1 45	N 79 0 E	100.00	7598.51	60.58 N 69.11 E	0.34
7700.00	1 45	N 77 0 E	100.00	7698.46	61.22 N 72.09 E	0.06
7800.00	1 30	N 60 0 E	100.00	7798.42	62.25 N 74.72 E	0.54
7847.00	1 15	N 53 0 E	47.00	7845.41	62.87 N 75.66 E	0.64
7940.00	2 45	S 74 0 E	93.00	7938.35	63.44 N 78.74 E	2.40
8033.00	6 15	S 72 0 E	93.00	8031.05	61.31 N 85.72 E	3.77
8126.00	6 30	S 76 0 E	93.00	8123.47	58.47 N 95.64 E	0.55
8219.00	8 0	S 82 0 E	93.00	8215.72	56.23 N 107.16 E	1.80
8312.00	9 15	S 88 0 E	93.00	8307.67	55.01 N 121.04 E	1.65
8406.00	10 30	N 89 0 E	94.00	8400.28	54.87 N 137.16 E	1.44
8499.00	12 15	S 88 0 E	93.00	8491.45	54.71 N 155.50 E	1.99
8592.00	13 0	N 89 0 E	93.00	8582.20	54.53 N 175.82 E	1.07
8685.00	15 0	N 89 0 E	93.00	8672.43	54.93 N 198.32 E	2.15
8778.00	16 15	N 89 0 E	93.00	8761.99	55.36 N 223.36 E	1.34

CCNT JED ON NEXT PAGE ...



STEVENS OPERATING CORPORATION
JEEHAR FEDERAL WELL NO 1
SHAVES COUNTY, NEW MEXICO

DATE PRINTED : 01-AUG-89
OUR REF. NO. : 801365.48Z
DECLINATION : 10.00 JOB NUMBER :
PAGE NO. 5

MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	R E C T A N G U L A R C O O R D I N A T E S	DOGLEG SEVERITY
8871.00	17 15	S 84 0 E	93.00	8851.04	54.20 N 250.12 E	2.42
8965.00	18 45	S 76 0 E	94.00	8940.44	49.16 N 278.70 E	3.07
9058.00	20 15	S 77 0 E	93.00	9028.10	41.91 N 308.89 E	1.65
9151.00	21 0	S 74 0 E	93.00	9115.14	33.71 N 340.60 E	1.39
9244.00	22 15	S 74 0 E	93.00	9201.60	24.26 N 373.55 E	1.34
9337.00	23 0	S 76 0 E	93.00	9287.44	15.00 N 408.10 E	1.16
9430.00	25 0	S 74 0 E	93.00	9372.39	5.21 N 444.64 E	2.32
9524.00	26 45	S 76 0 E	94.00	9456.97	5.40 S 484.26 E	2.08
9617.00	27 0	S 78 0 E	93.00	9539.92	14.86 S 525.22 E	1.01
9710.00	25 30	S 77 0 E	93.00	9623.33	23.76 S 565.37 E	1.68
9739.00	25 45	S 76 0 E	29.00	9649.47	26.69 S 577.57 E	1.72

CLOSURE - DISTANCE : 578.19
DIRECTION : S 87 21 E
REPORT UNITS : Feet
SURVEY CALCULATION METHOD : Radius of curvature

SURVEY RUN INFORMATION
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