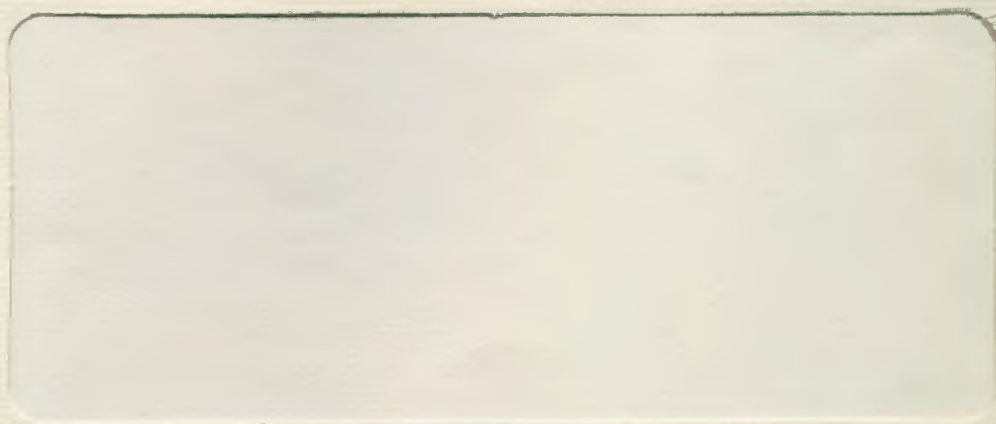






**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

RIIPE EXPLORATION
COMPANY

CITY OF STOCKTON NO. 2-19
WELL NAME

ROOKS COUNTY, KANSAS
LOCATION

JOB NUMBER

TYPE OF SURVEY

DATE

SURVEY BY

OFFICE

FEB 9 1983

JPE EXPLORATION
 CITY OF STOCKTON NO. 1-19
 JOKS COUNTY, KANSAS FILE 3-390

COMPUTATION PAGE NO. 1
 TIME DATE
 09:14:42 08-FEB-83

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M	DOGLEG SEVERITY DG/100FT
1235.	0 0	0	0.	1235.00	0.00	0.00	0.00	0 0	0.00
1511.	0 15	S 29 W	276.	1511.00	0.30	0.52 S	0.29 W	0.60 S 29 0 W	0.09
1900.	0 45	N 79 E	389.	1899.98	-1.24	2.72 S	1.30 E	3.02 S 25 37 E	0.24
1935.	0 30	S 76 E	35.	1934.98	-1.62	2.73 S	1.68 E	3.21 S 31 39 E	1.04
1966.	1 30	S 57 W	31.	1965.98	-1.68	3.15 S	1.75 E	3.61 S 29 5 E	6.05
1997.	2 45	S 69 W	31.	1996.95	-0.65	3.67 S	0.73 E	3.74 S 11 15 E	4.26
2029.	4 0	S 72 W	32.	2028.90	1.14	4.30 S	1.05 W	4.43 S 13 40 W	3.94
2060.	5 15	S 64 W	31.	2059.80	3.48	5.24 S	3.36 W	6.22 S 32 42 W	4.53
2141.	6 30	S 81 W	81.	2140.37	11.41	7.72 S	11.24 W	13.63 S 55 31 W	2.63
2234.	7 0	S 84 W	93.	2232.72	22.28	9.15 S	22.08 W	23.90 S 67 30 W	0.66
2328.	7 45	S 87 W	94.	2326.95	34.82	10.09 S	34.10 W	35.56 S 73 31 W	0.90
2422.	8 45	S 88 W	94.	2418.97	47.81	10.68 S	47.58 W	48.76 S 77 21 W	1.07
2515.	9 30	S 88 W	93.	2510.79	62.56	11.20 S	62.32 W	63.32 S 79 49 W	0.81
2609.	10 15	N 85 W	94.	2609.40	78.65	10.77 S	78.42 W	79.16 S 82 11 W	1.50
2702.	11 30	N 80 W	93.	2694.73	95.98	8.48 S	95.81 W	96.19 S 84 56 W	1.68
2746.	12 15	N 79 W	44.	2737.79	104.84	6.83 S	104.71 W	104.94 S 86 16 W	1.77
2777.	12 15	N 82 W	31.	2768.08	111.30	5.75 S	111.20 W	111.35 S 87 2 W	2.05
2861.	12 45	S 84 W	84.	2850.09	129.42	5.43 S	129.33 W	129.45 S 87 36 W	3.65
2955.	13 45	S 83 W	94.	2941.59	150.88	7.87 S	150.74 W	150.95 S 87 1 W	1.09
3048.	15 0	S 84 W	93.	3031.67	173.87	10.49 S	173.68 W	174.00 S 86 33 W	1.37
3143.	16 0	S 85 W	95.	3123.22	199.19	12.92 S	198.95 W	199.37 S 86 17 W	1.09
3236.	17 15	S 85 W	93.	3212.33	225.74	15.24 S	225.46 W	225.97 S 86 8 W	1.34
3298.	18 15	S 87 W	62.	3271.38	244.62	16.56 S	244.31 W	244.87 S 86 7 W	1.89
3353.	18 45	S 89 W	55.	3323.53	262.07	17.16 S	261.75 W	262.31 S 86 15 W	1.47

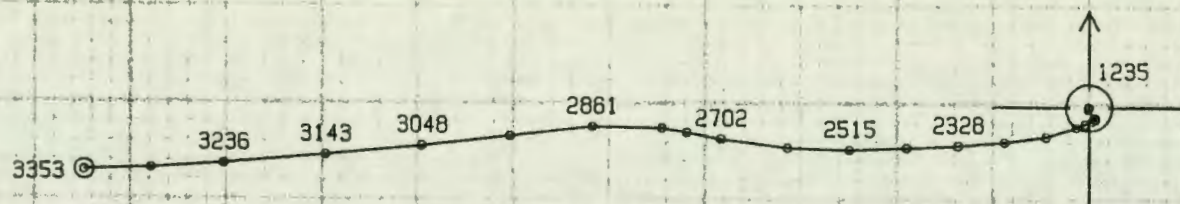
FINAL CLOSURE - DIRECTION: S 86 DEGS 14 MINS 53 SECS W
 DISTANCE: 262.31 FEET

RUPE EXPLORATION
CITY OF STOCKTON NO. 1-19
ROOKS COUNTY, KANSAS FILE 3-390

EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 50 FEET
DEPTH INDICATOR: MD



FINAL STATION:
DEPTH 3353 MD. 3323.53 TVD
SOUTH 17.16 WEST 261.75
CLOSURE 262.31 S 86 14 53 W

