

PENNZOIL UNITED INC. MIDLAND, TEXAS
 BORDAGE WELL NO. 1
 WILDCAT FIELD
 LEA COUNTY, NEW MEXICO
 MAGNETIC MULTISHOT DIRECTIONAL SURVEY

PAGE 3
 DATE OF SURVEY JANUARY 3, 1972
 VERTICAL SECTION COMPUTED ALONG CLOSURE
 10 DEG. EAST MAGNETIC CORRECTION APPLIED
 MS-6131

SUNSHINE-SUN WELL SURVEYING COMPANY
 RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION	DEG	DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES	
		DEG	MIN					NORTH	SOUTH EAST WEST
8211.	8200.50	4	0	N 80 E		.23	80.25	36.92	71.31
8242.	8240.41	4	15	N 80 E		.81	82.47	37.32	73.57
8274.	8272.32	4	15	N 80 E		.00	84.75	37.73	75.90
8305.	8303.25	4	0	N 80 E		.81	86.84	38.11	78.07
8336.	8334.17	4	0	N 81 E		.23	88.91	38.44	80.17
8367.	8365.10	4	0	N 72 E		2.02	91.05	39.11	82.23
8402.	8400.00	4	15	N 73 E		.74	93.62	39.87	84.71
8496.	8493.74	4	15	N 83 E		.79	100.23	40.72	91.82
8500.	8587.42	4	45	N 78 E		.68	107.80	42.34	99.24
8684.	8681.05	5	0	N 84 E		.60	115.52	43.19	107.78
8770.	8774.63	5	30	N 76 E		.94	124.35	45.37	116.12
8872.	8860.11	6	0	N 66 E		1.19	134.17	49.37	125.10
8966.	8961.50	5	45	N 62 E		.51	143.58	53.70	133.42
9060.	9054.99	7	15	N 55 E		1.80	155.28	60.60	143.13
9154.	9147.97	8	0	N 57 E		.85	168.25	67.72	154.11
9246.	9240.89	8	45	N 60 E		.92	182.50	74.87	166.49
9342.	9337.96	8	0	N 60 E		.80	195.55	81.41	177.82
9436.	9426.93	9	30	N 59 E		.55	209.38	89.57	189.73
9530.	9510.57	9	45	N 62 E		1.42	225.28	96.04	203.78
9624.	9612.14	10	0	N 63 E		.72	241.60	103.45	218.37
9718.	9704.34	11	15	N 64 E		1.34	259.93	111.49	234.81