

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

PAGE 1
 DATE OF SURVEY JANUARY 3, 1972
 VERTICAL SECTION COMPUTED ALONG CLOSURE
 10 DEG. EASTMAGNETIC CORRECTION APPLIED
 MS-6131

SUNBELT SURVEYING COMPANY
 RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION	005-LFG SEVERITY DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES				
		DEG	MTN				NORTH	SOUTH	EAST	WEST	
4680.	4680.00			START SURVEY AT 4680 FEET			.00				
4724.	4727.99	1	0	N 47 E	.21	1.40	1.00			.00	
4858.	4857.96	1	15	N 55 E	.31	3.42	2.18			1.07	
4952.	4951.95	1	0	N 60 E	.29	5.06	3.00			2.75	
5046.	5045.94	1	0	N 86 E	.49	6.58	3.11			4.17	
5140.	5139.93	0	20	N 35 E	.84	7.30	3.78			5.81	
5224.	5227.92	0	45	N 40 E	.27	8.42	4.73			6.28	
5328.	5327.92	0	45	N 35 E	.07	9.49	5.73			7.07	
5422.	5421.92	0	15	N 15 E	.56	9.75	6.13			7.78	
5516.	5515.91	0	20	N 25 E	.27	10.39	6.87			7.88	
5610.	5609.91	0	15	N 10 E	.28	10.62	7.28			8.23	
5704.	5703.91	0	20	N 10 E	.27	11.10	8.09			8.30	
5798.	5797.90	0	45	N 15 E	.27	11.90	9.27			8.44	
5892.	5891.90	0	30	N 30 E	.32	12.58	9.98			8.76	
5986.	5985.89	0	20	N 25 E	.05	13.21	10.73			9.17	
6080.	6079.89	0	20	N 20 E	.05	13.79	11.50			9.52	
6174.	6173.88	0	45	N 30 E	.29	14.81	12.50			9.80	
6268.	6267.87	1	0	N 47 E	.39	16.37	13.68			10.41	
6362.	6361.85	1	0	N 45 E	.04	17.92	14.84			11.61	
6456.	6455.84	1	0	N 50 E	.09	19.51	15.90			12.77	
6550.	6549.82	1	0	N 40 E	.19	21.00	17.15			14.03	
										15.08	