

UNION OIL COMPANY OF CALIFORNIA MIDLAND TEXAS

WELLS LEASE WELL NO. 1

WILDCAT

LEA COUNTY NEW MEXICO

SLIPSHOUL GYROSCOPIC AND MAGNETIC MULTISHOTS

PAGE 1

DATE OF SURVEY

VERTICAL SECTION COMPUTED ALONG CLOSURE

APRIL 30, 1969

SU-3-6654, MS-6655

SPERRY-SUN WELL SURVEYING COMPANY

RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION	DOG-LEG SEVERITY DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
		DEG	MIN							
0	-0.00	ZERO AT ROTARY					-0.00		-0.00	
100	100.00	0	15	N 63 E	.25	.31	.20		.39	
200	200.00	0	30	N 47 E	.27	.75	.79		1.03	
300	299.99	0	45	N 55 E	.26	1.56	1.54		2.10	
400	399.96	0	45	N 62 E	.09	2.48	2.16		3.25	
500	499.97	0	45	N 73 E	.14	3.57	2.54		4.51	
600	599.96	0	45	N 61 E	.16	4.48	3.18		5.65	
700	699.95	0	45	N 69 E	.10	5.51	3.64		6.87	
800	799.95	0	30	N 63 E	.26	6.14	4.04		7.65	
900	899.95	0	15	N 50 E	.26	6.38	4.32		7.99	
1000	999.95	0	15	N 32 E	.08	6.49	4.69		8.22	
1100	1099.95	0	15	N 32 E	0.00	6.61	5.06		8.45	
1200	1199.94	0	15	N 57 E	.11	6.89	5.30		8.81	
1300	1299.94	0	15	N 74 E	.07	7.25	5.42		9.23	
1400	1399.94	0	30	N 61 E	.25	7.93	5.75		10.04	
1500	1499.94	0	30	N 69 E	.02	8.59	6.10		10.84	
1600	1599.93	0	45	N 61 E	.25	9.52	6.72		12.00	
1700	1699.92	0	45	N 57 E	.04	10.40	7.39		13.12	
1800	1799.90	1	0	N 47 E	.31	11.27	8.58		14.39	
1900	1899.89	1	0	N 54 E	.12	12.32	9.81		15.81	
2000	1999.87	1	0	N 36 E	.31	12.89	11.02		16.83	