

ATLANTIC PITCHFIELD COMPANY
 LANGLEY G. LER NO. 1
 LANGLEY ELLENBERGER FIELD
 LEA COUNTY, NEW MEXICO
 GYROSCOPIC AND MAGNETIC MULTISHOTS

DATE OF SURVEY FEBRUARY 1, 1970
 VERTICAL SECTION DIRECTION

SU3-6274, MS-6208, WS-6215

SPERRY-SUR, INC.
 RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE		COURSE INCLINATION DEG MIN	COURSE DIRECTION		DDG-LEG SEV DEG/100	RECTANGULAR		TOTAL COORDINATES		VERTICAL SECTION
			DEG	DIRECTION		DEG	DIRECTION		NORTH/SOUTH	EAST/WEST			
3100	3099.85	3099.85	0 25	S	76	E	0.09	10.92 S	14.38 N			19.42	
3200	3199.85	3199.85	0 20	S	35	E	0.10	11.03 S	14.24 N			18.00	
3300	3299.85	3299.85	0 15	S	74	E	0.10	11.12 S	13.74 N			17.67	
3400	3399.85	3399.85	0 20	S	65	E	0.09	11.30 S	13.27 N			17.42	
3500	3499.85	3499.85	0 20	S	90	E	0.09	11.47 S	12.72 N			17.11	
3600	3599.84	3599.84	0 30	S	79	E	0.17	11.61 S	12.00 N			16.66	
3700	3699.84	3699.84	0 10	S	39	E	0.39	11.86 S	11.48 N			16.37	
3800	3799.84	3799.84	0 20	S	47	E	0.17	12.12 S	11.18 N			16.07	
3900	3899.84	3899.84	0 20	S	59	E	0.13	12.42 S	10.69 N			16.16	
4000	3999.84	3999.84	0 10	S	40	E	0.20	12.63 S	10.33 N			15.91	
4100	4099.84	4099.84	0 15	S	19	E	0.11	12.95 S	10.16 N			16.09	
4200	4199.84	4199.84	0 25	S	34	E	0.19	13.46 S	9.89 N			15.20	
4300	4299.83	4299.83	0 15	S	40	E	0.17	13.93 S	9.54 N			16.24	
4400	4399.83	4399.83	0 20	S	45	E	0.09	14.30 S	9.20 N			16.21	
4500	4499.83	4499.83	0 25	S	20	E	0.18	14.85 S	8.87 N			16.30	
4600	4599.83	4599.83	0 20	S	24	E	0.09	15.45 S	8.63 N			16.30	
4700	4699.83	4699.83	0 30	S	12	E	0.18	16.15 S	8.41 N			16.79	
4800	4799.82	4799.82	0 35	S	10	E	0.39	17.07 S	8.22 N			17.32	
4900	4899.81	4899.81	0 40	S	14	E	0.69	18.14 S	7.79 N			17.73	
5000	4999.81	4999.81	0 40	S	13	E	0.	19.27 S	7.72 N			18.24	
5100	5099.80	5099.80	0 45	S	9	E	0.10	20.42 S	7.49 N			19.83	
5200	5199.79	5199.79	0 50	S	5	E	0.10	21.89 S	7.32 N			19.58	
5300	5299.78	5299.78	0 45	S	23	E	0.26	23.18 S	7.00 N			20.12	
5400	5399.77	5399.77	0 35	S	20	E	0.17	24.26 S	6.57 N			20.54	
5500	5499.77	5499.77	0 45	S	16	E	0.17	25.37 S	6.22 N			20.97	
5600	5599.76	5599.76	0 50	S	14	E	0.09	26.70 S	5.86 N			21.53	
5700	5699.75	5699.75	0 45	S	17	E	0.09	28.03 S	5.50 N			22.12	
5800	5799.74	5799.74	0 40	S	20	E	0.09	29.21 S	5.11 N			22.56	
5900	5899.73	5899.73	0 35	S	25	E	0.10	30.22 S	4.69 N			22.89	
6000	5999.73	5999.73	0 35	S	31	E	0.06	31.11 S	4.21 N			23.00	