

SILANDUAH OIL CORPORATION
 NEW MEXICO STATE L WELL NO1
 HAYSTACK FIELD
 CHAVES COUNTY NEW MEXICO
 MAGNETIC MULTISHOT DIRECTIONAL SURVEY

SPERRY-SUN WELL SURVEYING COMPANY
 RECORD OF SURVEY

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 DATE OF SURVEY AUGUST 24 1971
 VERTICAL SECTION COMPUTED ALONG CLOSURE
 12 DEG EASTMAGNETIC CORRECTION APPLIED
 83-50864

MEASURED DEPTH	TRUE VERTICAL DEPTH	INCLINATION		DIRECTION		DOG-LEG SEVERITY DEG/100	VERTICAL SECTION	RECTANGULAR COORDINATES			
		DEG	MIN	DEG				NORTH	SOUTH	EAST	WEST
2709.	2708.07	2	15	N	3 W	.67	-3.16	24.45		10.52	
2771.	2770.55	3	30	N	69 W	5.33	.02	25.81		6.98	
2833.	2832.40	4	0	S	83 W	3.03	4.58	25.28		2.69	
2897.	2896.22	4	15	S	83 W	.39	8.93	24.70			2.02
2959.	2958.07	4	0	S	82 W	.42	12.87	24.10			0.30
3022.	3020.83	5	0	S	83 W	1.59	17.91	23.43			11.75
3085.	3083.64	4	30	S	83 W	.79	22.44	22.83			10.00
3148.	3146.44	4	30	S	87 W	.50	27.10	22.57			21.59
3211.	3209.23	4	45	S	86 W	.42	31.99	22.21			26.80
3272.	3269.99	5	0	S	86 W	.41	36.97	21.84			32.10
3335.	3332.75	5	0	S	87 W	.14	42.15	21.55			37.55
3397.	3394.44	5	45	S	88 W	1.22	48.04	21.33			43.79
3460.	3457.18	5	15	S	88 W	.79	53.51	21.13			49.55
3522.	3518.86	5	45	S	88 W	.81	59.40	20.92			55.70
3584.	3580.55	5	45	N	89 W	.48	65.39	21.02			61.97
3647.	3643.21	6	0	N	89 W	.40	71.74	21.14			68.56
3681.	3677.03	5	45	N	88 W	.79	75.03	21.26			71.90

THE CALCULATION PROCEDURES ARE BASED ON THE USE OF THE TANGENTIAL OR CHORD METHOD
 HORIZONTAL DISPLACEMENT = 75.03 FEET AT NORTH 73 DEG. 32 MIN. WEST (TRUE)