

ATLANTIC RICHFIELD COMPANY
 LANGLEY ORGER NO. 1
 LANGLEY ELLENBERGER FIELD
 LEA COUNTY, NEW MEXICO
 CYROSCOPIC AND MAGNETIC MULTISHOTS

DATE OF SURVEY FEBRUARY 19, 1979
 VERTICAL SECTION DIRECTION

PAGE 5
 CLOSURE

SU3-6274, MS-6208, MS-6275

SPEELEY-SUB, INC.
 RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE		DIRECTION	DOG-LEG SEV DEG/100	RECTANGULAR NORTH/SOUTH		COORDINATES EAST/WEST		VERTICAL SECTION
			INCLINATION DEG MIN	DEG							
12100	12092.40	12092.40	6 15	S	43 W	0.44	152.77	S	139.06	E	204.55
12200	12191.85	12191.85	5 45	S	50 W	0.54	159.64	S	146.94	E	215.00
12300	12291.41	12291.41	5 0	S	55 W	0.63	165.36	S	154.35	E	224.35
12400	12391.07	12391.07	4 30	S	59 W	0.60	169.88	S	161.28	E	232.57
12500	12490.76	12490.76	4 30	S	63 W	0.31	173.68	S	168.14	E	240.28
12600	12590.44	12590.44	4 45	S	73 W	1.23	176.32	S	175.59	E	247.76
12700	12690.15	12690.15	4 0	S	84 W	0.38	177.55	S	183.21	E	254.25
12800	12789.93	12789.93	3 30	S	84 W	0.50	178.23	S	189.71	E	266.79
12900	12889.77	12889.77	3 0	S	81 W	0.53	178.96	S	195.33	E	284.56
13000	12939.64	12939.64	3 0	S	71 W	0.52	180.22	S	200.39	E	266.29
13100	13089.52	13089.52	2 30	S	72 W	0.50	181.74	S	204.94	E	273.76
13200	13189.44	13189.44	2 0	S	74 W	0.51	182.90	S	208.69	E	277.39
13300	13289.37	13289.37	2 15	S	65 W	0.42	184.21	S	212.15	E	268.80
13400	13389.30	13389.30	2 15	S	73 W	0.31	185.61	S	215.60	E	284.60
13500	13489.22	13489.22	2 15	S	73 W	0.	186.76	S	219.56	E	288.22
13600	13589.14	13589.14	2 15	S	65 W	0.31	188.17	S	223.21	E	291.25
13700	13689.07	13689.07	2 15	S	66 W	0.04	189.79	S	226.70	E	295.72
13800	13788.99	13788.99	2 15	S	64 W	0.09	191.45	S	230.34	E	299.59
13900	13888.90	13888.90	2 30	S	57 W	0.38	193.50	S	233.84	E	303.59
14000	13988.81	13988.81	2 30	S	59 W	0.09	195.81	S	237.63	E	307.92
14100	14088.70	14088.70	2 45	S	57 W	0.27	198.24	S	241.52	E	312.45
14200	14188.58	14188.58	3 0	S	53 W	0.32	201.12	S	245.62	E	317.45
14300	14288.44	14288.44	3 0	S	52 W	0.05	204.31	S	249.77	E	322.68
14400	14388.29	14388.29	3 15	S	54 W	0.27	207.59	S	254.13	E	328.13
14500	14488.13	14488.13	3 15	S	53 W	0.06	210.96	S	258.68	E	333.79
14600	14587.93	14587.93	4 0	S	47 W	0.84	215.04	S	263.50	E	340.10
14700	14687.69	14687.69	4 0	S	49 W	0.14	219.71	S	268.68	E	347.07
14800	14787.39	14787.39	4 45	S	49 W	0.75	224.71	S	274.44	E	354.69
14900	14886.93	14886.93	6 15	S	47 W	1.51	231.14	S	281.54	E	364.27
15000	14986.26	14986.26	7 0	S	44 W	0.83	239.24	S	289.76	E	375.76