

NL SPERRY-SUN, INC.
MIST FIELD COLUMBIA COUNTY OREGON

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ARCO OIL & GAS CO.
WELL NO. 23-25

BK-MA-50058
12/07/85

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
386	TIE COORDINATES		385.04	10.27 N	27.31 W	29.05	0.00
439	N 59	0 W 11 15	437.21	14.94 N	35.37 W	38.34	4.30
532	N 56	0 W 15 45	527.62	26.68 N	53.62 W	59.88	4.90
625	N 59	0 W 19 0	616.37	41.54 N	77.07 W	87.45	3.62
718	N 64	0 W 21 0	703.76	56.64 N	105.02 W	119.19	2.83
811	N 66	0 W 22 0	790.29	71.03 N	135.92 W	153.27	1.33
904	N 69	0 W 24 30	875.73	85.03 N	169.84 W	189.91	2.97
997	N 67	0 W 26 30	959.67	100.05 N	206.94 W	229.85	2.34
1090	N 66	0 W 30 45	1041.28	117.84 N	247.78 W	274.36	4.60
1183	N 66	0 W 35 0	1119.37	138.37 N	293.89 W	324.81	4.57
1276	N 65	0 W 38 30	1193.88	161.45 N	344.50 W	380.43	3.82
1462	N 65	0 W 31 0	1346.59	206.23 N	440.52 W	486.36	4.03
1648	N 64	0 W 25 0	1510.75	243.73 N	519.33 W	573.64	3.24
1741	N 62	0 W 22 15	1595.95	260.62 N	552.55 W	610.89	3.08
1834	N 64	0 W 20 0	1682.69	275.86 N	582.39 W	644.40	2.54
1927	N 63	0 W 17 30	1770.75	289.18 N	609.15 W	674.28	2.71
1967	N 60	0 W 16 15	1809.03	294.71 N	619.35 W	685.88	3.81
1979	N 60	0 W 16 15	1820.55	296.39 N	622.26 W	689.23	0.00

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED ALONG N 64 16 W

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 689.23 FEET, IN THE DIRECTION OF N 64 32 W
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.

SCALE 1 INCH TO 80.00 FEET

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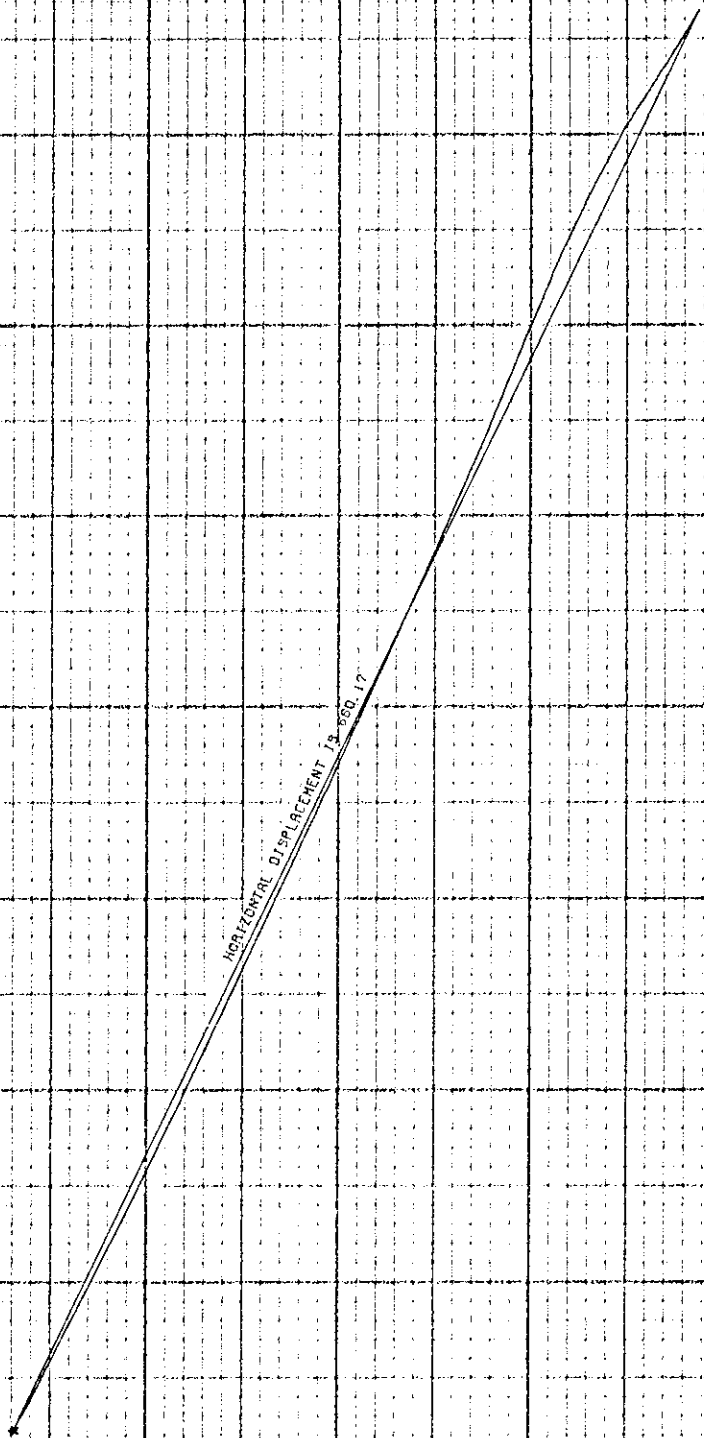
N 64 16 W

N 64 32 W

TRUE NORTH

1978

HORIZONTAL DISPLACEMENT IS 950.17'



HORIZONTAL PROJECTION