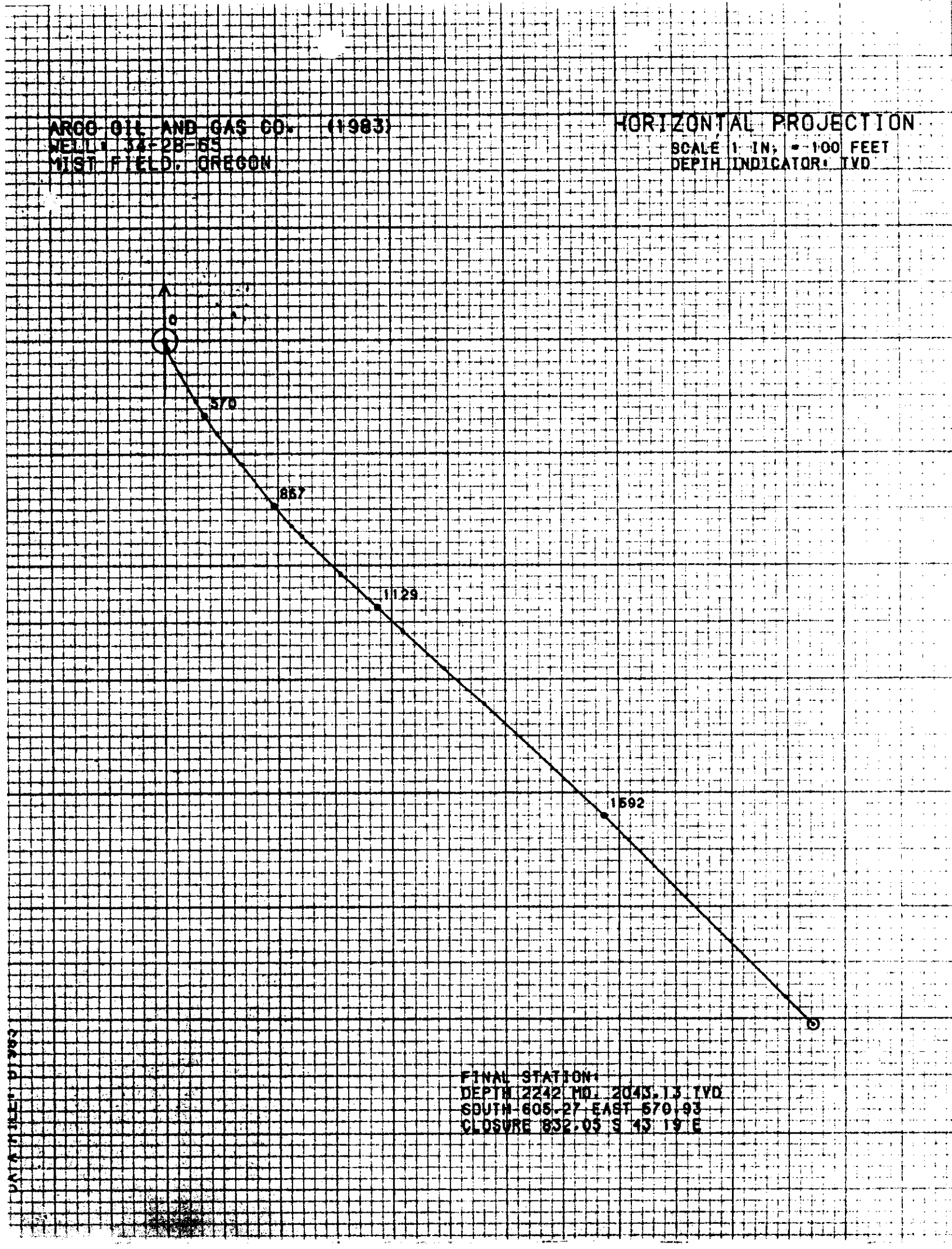


DATE: 10/19/89

ARCO OIL AND GAS CO. (1983)
 WELL: 34-28-65
 MIST FIELD, OREGON

HORIZONTAL PROJECTION
 SCALE 1-IN. = 100 FEET
 DEPTH INDICATOR: TVD



FINAL STATION
 DEPTH 2242' HORIZ 2045.13 TVD
 SOUTH 608.27' EAST 570.93'
 CLOSURE 832.05' S 13.19' E

ARCO OIL AND GAS CO. (1983)
 WELL: 34-28-65
 MIST FIELD, OREGON

COMPUTATION
 TIME DATE
 08:30:32 29-NOV-89

ARCO OIL AND GAS CO. (1983)
 WELL: 34-28-65
 MIST FIELD, OREGON

DATE: 10/19/89
 SURVEY TYPE: SINGLE SHOT
 SURVEY BY: EASTMAN CHRISTENSEN
 DIR. DRILLER: E. STEVENSON

PAGE NO. 1

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOGLEG SEVERITY DG/100FT
0.	0 0	0 0	0.	0.00	0.00	0.00 0.00	0.00
100.	0 0	0 0	100.	100.00	0.00	0.00 0.00	0.00
144.	2 0	S 10 O E	44.	143.99	0.69	0.76 S 0.13 E	4.55
201.	5 0	S 10 O E	57.	200.88	3.80	4.18 S 0.74 E	5.26
236.	6 45	S 21 O E	35.	235.69	7.15	7.63 S 1.69 E	5.92
328.	10 0	S 30 O E	92.	326.70	20.29	19.71 S 7.46 E	3.80
390.	11 45	S 28 O E	62.	387.58	31.89	29.94 S 13.13 E	2.89
517.	13 30	S 32 O E	127.	511.51	59.47	53.97 S 27.00 E	1.54
577.	14 30	S 32 O E	60.	569.73	73.94	66.28 S 34.69 E	1.67
650.	16 15	S 36 O E	73.	640.11	93.28	82.33 S 45.51 E	2.80
711.	18 0	S 39 O E	61.	698.40	111.23	96.57 S 56.45 E	3.21
761.	20 0	S 38 O E	50.	745.68	127.50	109.31 S 66.58 E	4.05
891.	23 0	S 37 O E	130.	866.62	175.13	147.11 S 95.58 E	2.32
951.	24 0	S 44 O E	60.	921.64	198.98	185.29 S 111.11 E	4.94
982.	25 0	S 45 O E	31.	949.85	211.70	174.46 S 120.12 E	3.49
1089.	27 30	S 47 O E	107.	1045.81	258.36	207.33 S 154.16 E	2.48
1183.	28 30	S 48 O E	94.	1128.80	301.66	237.14 S 186.69 E	1.18
1245.	29 30	S 47 O E	62.	1183.03	331.15	257.45 S 208.85 E	1.79
1343.	30 45	S 48 O E	98.	1267.79	379.41	290.67 S 245.11 E	1.37
1436.	30 45	S 49 O E	93.	1347.71	425.90	322.18 S 280.73 E	0.55
1720.	30 15	S 45 O E	284.	1592.42	567.54	420.46 S 386.12 E	0.74
2172.	30 0	S 45 O E	452.	1983.37	791.83	580.87 S 546.53 E	0.06
2241.	30 0	S 45 O E	69.	2043.13	825.94	605.27 S 570.93 E	0.00

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
 DIRECTION: S 36 DEG. 23 MIN. E

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

STATION AT 2241' M.D. IS PROJECTED

FINAL CLOSURE - DIRECTION: S 43 DEGS 20 MINS E
 DISTANCE: 832.05 FEET

