

FILE NO. _____
 COMPANY: OREGON NATURAL GAS CORP.
 WELL: OM 14 A-3
 FIELD: MIAT
 COUNTY: COLUMBIA
 STATE OR: _____
 LOCATION: 11 1/2' E 194.5' N FROM SATURDAY OF SEC 3 T14P1W RGE 5N
 ELEVATIONS: _____
 OTHER SERVICES: _____
 RECORDING: _____
 DRILLING: _____
 LOGGING: _____
 DATE: 1/15/87
 SERVICE ORDER: 22823
 DEPTH-DRILLER: _____
 DEPTH-LOGGERS: 3187
 BOTTOM LOGGED INTERVAL: 3185
 DEPTH-LOGGED INTERVAL: 856'
 CORING - LOGGERS: 598'
 BIT SIZE: 7 1/8"
 TYPE FLUID IN HOLE: OIL/WATER/SPM
 DENSITY / VISCOSITY: 10.6 54
 PH / FLUID LOSS: 9.0 4.4
 SOURCE OF SAMPLE: FLOWLINE
 RM RT MERS. TEMP.: 2.1 0 ST DEG. F
 RM RT MERS. TEMP.: 1.9 0 ST DEG. F
 RM RT MERS. TEMP.: 2.52 0 ST DEG. F
 SOURCE OF MPT / MFC: N H 0
 RM RT REGISTRATION: 1435 0 104 DEG. F
 RM RT REGISTRATION: 1446 0 104 DEG. F
 EQUIP. NO. / LOG.: H 4466 1 596
 B FIELD: _____
 RECORDED BY: _____
 WITNESSED BY: MR. THOMAS

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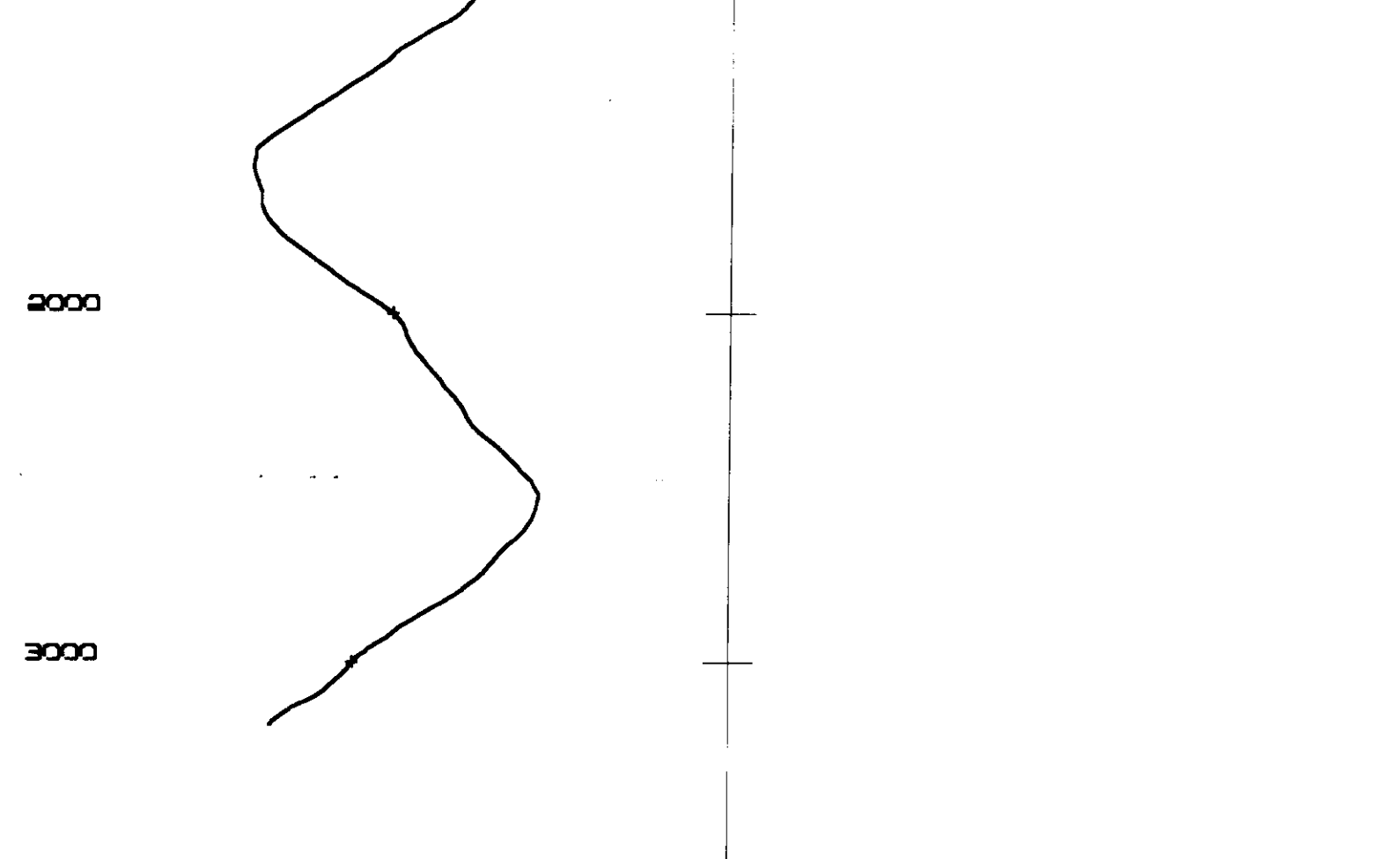
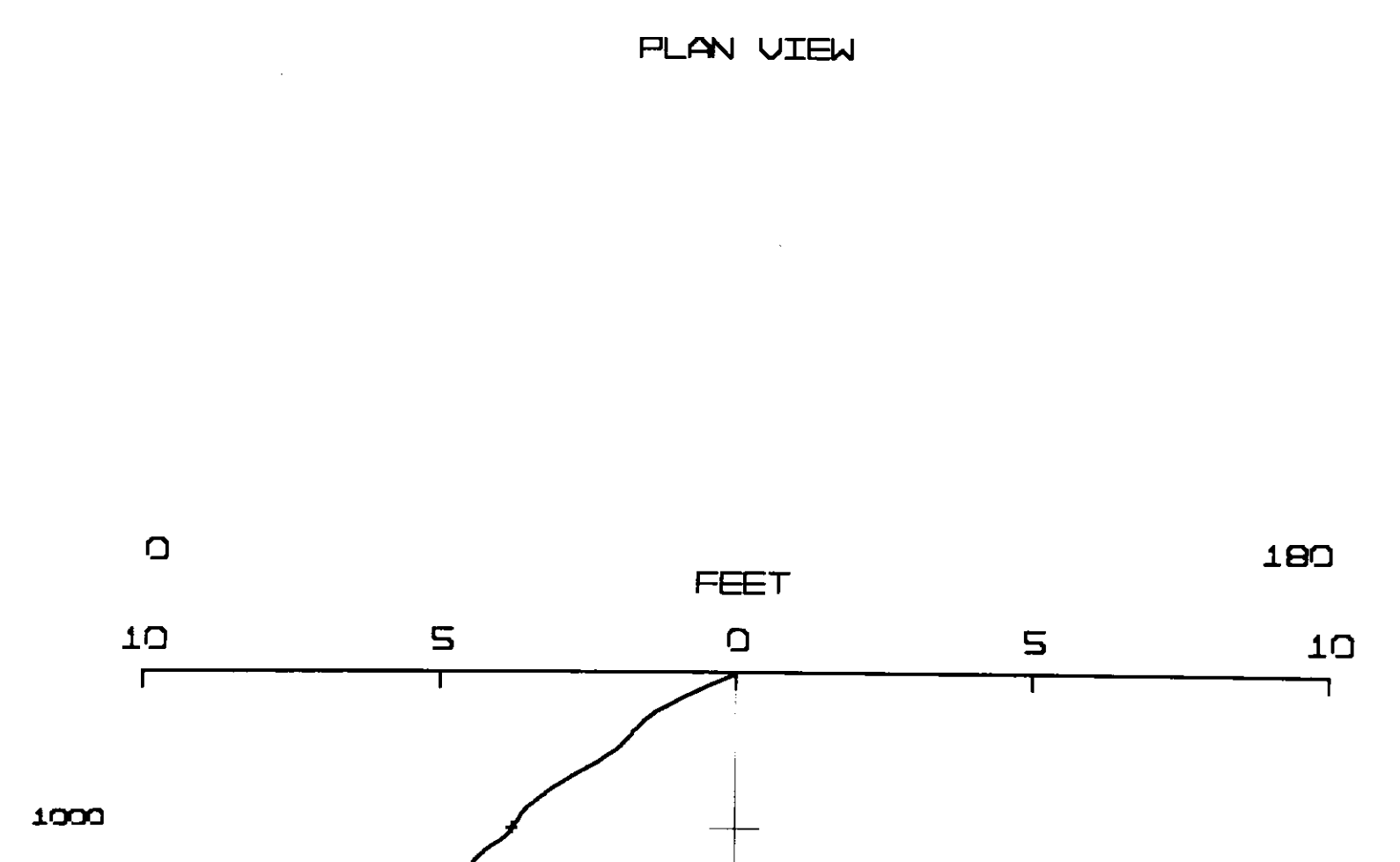
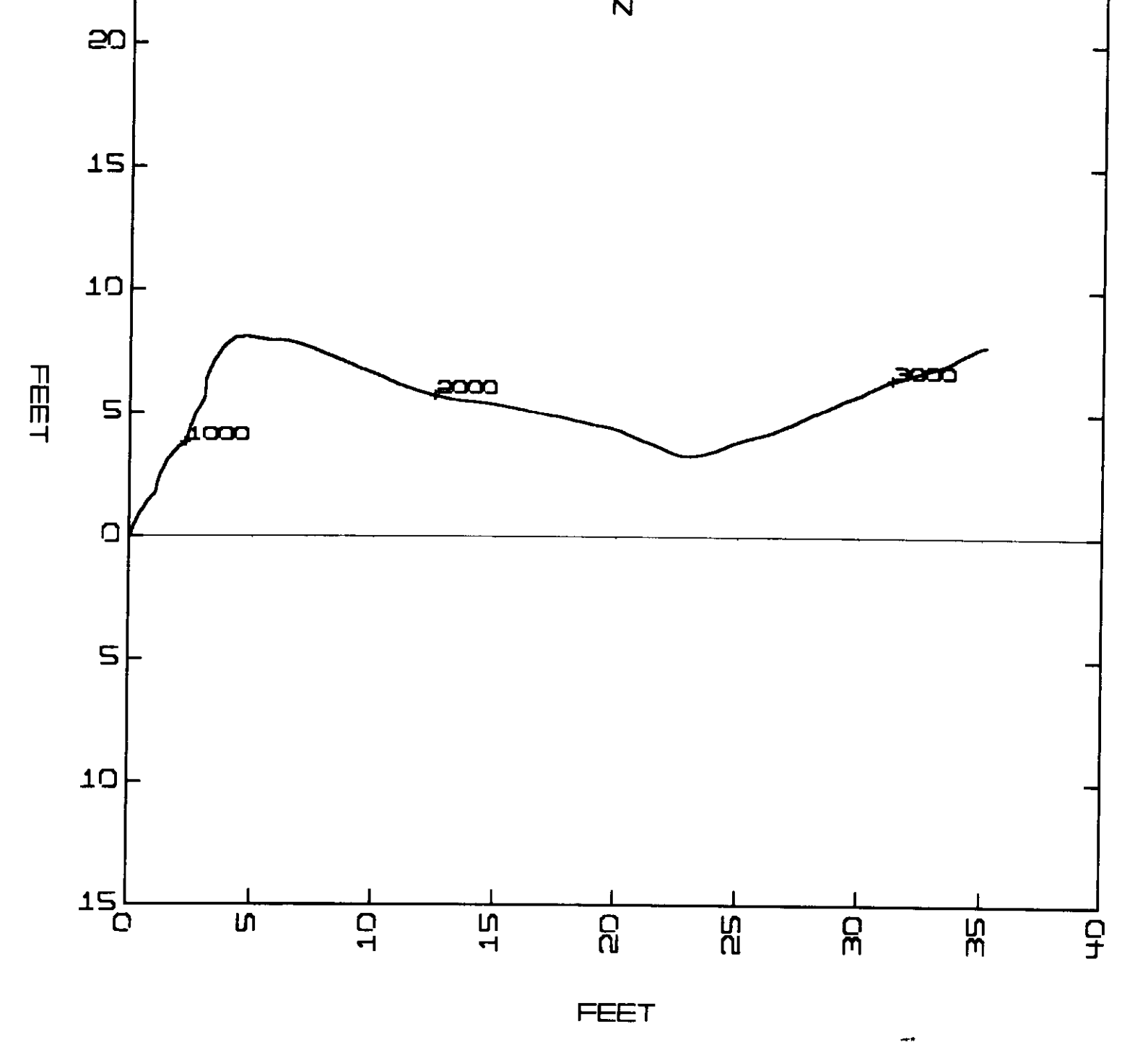
REMARKS RUN (1)

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	DIFL			
1	1	GR			
1	1	GR			
1	1	GR			

COMPANY: OREGON NATURAL GAS CORP.
 WELL: OM 14 A-3
 FIELD: MIAT
 COUNTY: COLUMBIA
 COMMENTS: _____

FINAL EAST-WEST DEVIATION: 35.13 E
 FINAL NORTH-SOUTH DEVIATION: 7.75 N
 FINAL DISTANCE: 35.97 FT
 FINAL DEVIATION DIRECTION: N 77.55 E



DEPTH VS. DRIFT

COORDINATES

DEPTH	DRIFT ANGLE	DRIFT AZIMUTH	T.V.D.	STATION		TOTAL	
				N-S	E-W	N-S	E-W
550.00	0.0	107.2	550.00	0.00N	0.00E	0.00N	0.00E
600.00	0.0	23.0	599.99	0.64N	0.31E	0.64N	0.31E
650.00	0.0	33.2	649.98	0.59N	0.35E	1.22N	0.67E
700.00	0.0	42.7	699.97	0.39N	0.34E	1.62N	1.01E
750.00	0.0	6.8	749.97	0.29N	0.12E	1.90N	1.13E
800.00	0.0	19.2	799.97	0.38N	0.09E	2.28N	1.22E
850.00	0.0	28.3	849.96	0.51N	0.22E	2.80N	1.45E
900.00	0.0	41.3	899.96	0.44N	0.27E	3.24N	1.71E
950.00	0.0	52.7	949.95	0.34N	0.20E	3.58N	2.01E
1000.00	0.0	74.0	999.95	0.19N	0.25E	4.17N	2.27E
1050.00	0.0	83.2	1049.94	0.34N	0.09E	4.11N	2.36E
1100.00	0.0	22.6	1099.94	0.33N	0.10E	4.44N	2.46E
1150.00	0.0	14.7	1149.93	0.32N	0.14E	4.76N	2.60E
1200.00	0.0	33.4	1199.93	0.19N	0.25E	4.25N	2.57E
1250.00	0.0	45.2	1249.92	0.46N	0.20E	5.17N	2.88E
1300.00	0.0	35.7	1299.92	0.32N	0.02E	5.07N	3.07E
1350.00	0.0	20.1	1349.91	0.45N	0.03E	5.52N	3.15E
1400.00	0.0	11.3	1399.91	0.42N	0.15E	5.97N	3.34E
1450.00	0.0	11.3	1449.90	0.45N	0.21E	6.42N	3.53E
1500.00	0.0	54.1	1499.90	0.42N	0.38E	7.85N	4.00E
1550.00	0.0	91.4	1549.89	0.19N	0.49E	8.04N	4.49E
1600.00	0.0	99.3	1599.89	0.01S	0.55E	8.04N	5.01E
1650.00	0.0	83.2	1649.88	0.11S	0.64E	7.93N	5.56E
1700.00	0.0	66.0	1699.88	0.02S	0.70E	7.91N	6.35E
1750.00	1.1	110.4	1749.87	0.20S	0.73E	7.71N	7.14E
1800.00	1.1	110.4	1799.86	0.25S	0.70E	7.52N	7.93E
1850.00	1.1	109.7	1849.85	0.35S	0.67E	7.27N	8.72E
1900.00	1.0	109.7	1899.84	0.42S	0.62E	7.00N	9.51E
1950.00	1.0	104.2	1949.83	0.47S	0.59E	6.73N	10.29E
2000.00	1.0	93.3	1999.82	0.45S	0.56E	6.46N	11.07E
2050.00	1.0	90.7	2049.81	0.41S	0.53E	6.19N	11.85E
2100.00	1.0	99.7	2099.80	0.24S	0.51E	5.93N	12.62E
2150.00	1.0	101.4	2149.79	0.24S	0.48E	5.67N	13.39E
2200.00	1.0	98.3	2199.78	0.24S	0.45E	5.41N	14.15E
2250.00	1.0	101.3	2249.77	0.23S	0.42E	5.15N	14.91E
2300.00	1.0	90.7	2299.76	0.18S	0.40E	4.89N	15.66E
2350.00	1.0	113.7	2349.75	0.26S	0.39E	4.63N	16.40E
2400.00	0.9	104.1	2399.74	0.34S	0.38E	4.37N	17.13E
2450.00	0.9	112.2	2449.73	0.44S	0.36E	4.11N	17.85E
2500.00	0.9	105.1	2499.72	0.55S	0.34E	3.85N	18.56E
2550.00	0.9		2549.71	0.66S	0.32E	3.59N	19.26E
2600.00	0.9		2599.70	0.77S	0.30E	3.33N	19.95E
2650.00	0.9		2649.69	0.88S	0.28E	3.07N	20.63E
2700.00	0.9		2699.68	0.99S	0.26E	2.81N	21.30E
2750.00	1.0		2749.67	1.10S	0.24E	2.55N	21.96E
2800.00	1.0		2799.66	1.21S	0.22E	2.29N	22.61E
2850.00	1.0		2849.65	1.32S	0.20E	2.03N	23.25E
2900.00	1.0		2899.64	1.43S	0.18E	1.77N	23.88E
2950.00	1.0		2949.63	1.54S	0.16E	1.51N	24.50E
3000.00	1.0		2999.62	1.65S	0.14E	1.25N	25.11E
3050.00	1.0		3049.61	1.76S	0.12E	0.99N	25.71E
3100.00	0.9		3099.60	1.87S	0.10E	0.73N	26.30E
3150.00	0.9		3149.59	1.98S	0.08E	0.47N	26.88E
3185.00	1.0		3184.48	0.22N	0.61E	7.75N	35.13E

THE FIRST POINT INFORMATION: 550.00 0.0 107.2 550.00 0.00N 0.00E 0.00N 0.00E
 THE LAST POINT INFORMATION: 3185.00 1.0 80.1 3184.48 0.22N 0.61E 7.75N 35.13E

EAST WEST DEVIATION = 35.13 E
 NORTH SOUTH DEVIATION = 7.75 N
 DIRECTION = N 77.56 E
 DISTANCE = 35.98 FT

