


COMPANY IMPERIAL OIL ENTERPRISES LTD.

WELL IOE BLOW RIVER YI E47-68-50-137-15

FIELD WILDCAT PROVINCE YUKON TERRITORIES



COMPANY		IMPERIAL OIL ENTERPRISES LTD.	
WELL		IOE BLOW RIVER YI	
FIELD		WILDCAT	
PROVINCE		YUKON	
LOCATION		68° 46' 20" NORTH LAT 137° 27' 13" WEST LONG	
Permanent Datum		GL	
Elev. Above Perm. Datum		368	
Log Measured From		KB	
DIP. SLC-GR		SNP. CIS. FDC.	
Elev. KB		384	
GL		308	
CBE			
Date	23 JUNE 70	25 AUG 70	10 NOV 70
Run No.	ONE	TWO	THREE
First Reading	4139	9280	14007
Last Reading	781	4030	10100
Feet Measured	3358	3907	3907
Depth Reached	4140	14007	14007
Bottom Doller	4132	10027	14000
Clog SDC	781		9999
Clog Driller	GEL	GEL	GEL
Mud Nature			
Dens. Visc.	9.2	9.1	8.8
Mud pH	10.0	9.5	9.8
Water Loss	9.4	16.0	13.2
Pen. BHQ	2.05	65	3.24
Pen. F	1.78	64	3.25
Pen. F			60
Pen. F			61
Bit Size	12 1/4"		9 7/8"
Magnetic Declination	37° E		37° E
Computation Interval	100'		100'
Computed By	EMR OTO	EMR OTO	EMR OTO
Checked By			
Operator	OSU-C 363 REMOTE	OSU-C 363 REMOTE	OSU-C 363 REMOTE
Tool No.	PORTR	PICKFORD	CHADDOCK
Record No.	KAPJACK	MACRAE	MACRAE
Checked			



**DIRECTIONAL LOG**  
(COMPUTED)  
SCHLUMBERGER OF CANADA  
Calgary, Alberta

"Any directional computation made from the dipmeter must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself rather than the direction and amount of the well drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations, and we shall not be liable nor responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computation."

REMARKS	BH1	BH2	BH3	BHT	F Measured	Hours After Circulation
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"Any directional computations made from the dipmeter must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself rather than the direction and amount of the wall drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations, and we shall not be liable nor responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

1 of

REMARKS	RUN1	RUN2	RUN3	BHT	F Measured	Hours After Circulation	
Panel	DCP C732			Continuous Directional	<input type="checkbox"/>	Taken From CDM <input checked="" type="checkbox"/>	Photoclinometer <input type="checkbox"/>
Sonde	RDS D810						
Weight	DCW						
Cartridge	DCE C757						
Cartridge	DCMF 776						
Photoclinometer	PC						

Depth	Drift Angle	DEFLECTION			LATITUDE		DEPARTURE		COORDINATES			
		True Bearing	Horizontal Footage	True Vertical Depth	N	S	E	W	N	S	E	W

781	080. S 81 E		781.00										
900	1.6 S 83 W	3.32	899.95				3.33						
1000	2.0 N 88 W	3.43	999.89				3.53				.07		3.33
1100	2.2 N 89 W	3.84	1099.82			.07	3.85				.05		6.83
1200	2.6 WEST	4.94	1199.71			.00	4.55				.10		10.68
1300	2.8 N 86 W	4.33	1299.55			.34	4.88				.12		15.23
1400	3.0 N 83 W	5.23	1399.45			.09	5.24				.46		20.11
1500	3.2 N 81 W	5.41	1499.31			.34	5.55				.59		25.35
1600	3.4 N 79 W	5.33	1599.13			1.13	5.83				1.34		30.76
1700	3.6 N 83 W	6.28	1698.93			.76	6.24				2.58		36.53
1800	3.7 N 84 W	6.45	1798.78			.67	6.43				3.28		42.77
1900	3.9 N 85 W	6.80	1898.49			.23	6.81				3.95		49.20
2000	4.5 S 80 W	7.85	1998.12			1.37	7.74				4.18		56.00
2100	5.0 S 79 W	8.71	2098.12			1.61	8.57				2.81		63.74
2200	5.4 S 76 W	9.41	2198.35			2.29	9.14				1.14		71.31
2300	6.0 S 82 W	10.45	2298.80			1.47	10.36				1.15		80.45
2400	6.7 S 80 W	11.67	2399.12			2.04	11.50				2.62		91.81
2500	7.5 S 83 W	13.35	2499.26			2.88	12.87				4.66		103.31
2600	7.4 S 75 W	12.88	2594.43			3.35	12.45				6.94		116.18
2700	7.2 S 73 W	12.33	2695.64			4.35	11.79				10.29		128.63
2800	7.3 S 75 W	12.36	2796.37			3.31	11.95				14.59		141.42
2900	7.5 S 73 W	11.19	2897.13			3.58	11.67				17.87		152.37
3000	6.7 S 71 W	11.37	2998.13			3.31	11.04				21.73		164.84
3100	6.7 S 68 W	11.07	3099.44			4.30	10.37				25.19		175.08
3200	7.1 S 70 W	12.36	3199.76			4.24	11.63				29.19		186.05
3300	6.8 S 67 W	11.29	3299.96			4.64	10.91				33.43		197.60
3400	6.9 S 65 W	12.11	3399.59			4.12	11.30				38.37		208.59
3500	7.3 S 66 W	12.19	3499.56			4.97	11.14				43.19		219.99
3600	6.8 S 69 W	11.39	3599.32			4.36	11.06				47.16		231.03
3700	6.3 S 67 W	10.37	3699.11			4.30	10.11				51.42		242.39
3800	6.2 S 67 W	10.38	3799.31			4.23	9.05				55.79		252.20

3900	6.9	S 66 W	19.19	3534.56	4.12	11.30	62.19	219.89
3920	7.5	S 66 W	19.19	3467.52	4.97	11.14	47.15	231.03
3940	6.8	S 69 W	11.94	3587.1	4.26	11.06	51.42	242.09
3960	6.3	S 67 W	16.77	3686.51	4.30	10.11	55.72	252.20
3980	6.2	S 67 W	16.96	375.92	4.23	9.95	59.95	262.15
3990	6.7	S 73 W	11.57	3825.24	3.42	11.17	63.57	273.32
4000	7.4	S 76 W	12.93	3994.46	3.13	12.51	66.50	285.83
4020	7.1	S 73 W	12.96	4053.63	3.53	11.33	70.17	297.66
4040	6.9	S 69 W	4.36	4123.34	1.73	4.50	71.86	302.17
4060	7.3	S 77 W	3.14	4182.79	1.84	7.95	75.70	310.11
4080	1.7	S 77 W	13.46	4281.93	3.73	13.07	76.73	323.18
4100	1.9	S 75 W	13.74	4381.94	3.57	13.2	79.59	336.47
4120	6.5	S 67 W	14.73	4479.89	5.79	13.62	80.59	350.09
4140	1.1	S 77 W	15.14	4573.66	6.12	14.41	82.21	364.50
4160	5.3	S 67 W	16.16	4677.29	6.53	14.89	84.54	379.31
4180	1.1	S 70 W	16.13	4775.69	5.72	15.63	86.26	395.07
4200	3.6	S 76 W	16.93	4874.43	3.17	15.37	89.43	411.14
4220	3.9	S 74 W	17.32	4973.02	4.69	16.21	91.13	427.31
4240	11.8	S 77 W	20.45	5070.91	4.61	19.94	98.71	447.25
4260	12.5	S 86 W	21.30	5168.61	1.50	21.26	123.24	468.32
4280	11.9	S 82 W	22.49	5266.05	3.14	22.29	123.33	490.80
4300	13.7	S 77 W	23.51	5363.24	5.30	22.1	128.68	513.73
4320	11.7	S 75 W	24.53	5460.67	5.32	22.77	134.50	535.37
4340	11.1	S 77 W	25.33	5557.96	3.15	22.27	139.75	558.06
4360	11.5	S 77 W	25.94	5655.21	1.54	22.08	147.38	580.14
4380	11.2	S 79 W	26.32	5752.21	1.63	23.17	151.73	603.24
4400	10.1	S 75 W	26.11	5849.12	3.03	23.27	156.77	626.51
4420	11.7	S 76 W	26.75	5946.43	3.74	23.37	161.41	649.52
4440	11.1	S 75 W	27.13	6043.21	3.77	23.73	166.17	672.11
4460	11.0	S 84 W	27.16	6140.01	3.40	22.73	171.43	694.28
4480	11.0	S 83 W	27.55	6236.82	1.25	23.56	177.21	716.54
4500	11.0	S 82 W	28.20	6333.63	2.73	23.89	183.79	740.04
4520	11.0	S 81 W	28.90	6430.45	1.96	23.33	190.27	763.73
4540	11.0	S 80 W	29.60	6527.27	1.71	23.15	196.75	787.73
4560	11.0	S 79 W	30.30	6624.11	1.47	21.81	203.23	812.03
4580	11.0	S 78 W	31.00	6721.28	6.43	21.04	209.71	836.54
4600	10.9	S 75 W	28.32	6818.75	6.52	21.36	216.19	861.00
4620	10.5	S 74 W	23.05	6916.27	6.24	22.12	222.67	885.00

6200	13.2	S 84 W	22.83	6141.16	2.40	22.72	173.46	632.53
6300	13.7	S 87 W	23.68	6338.32	1.25	23.66	179.71	716.59
6400	13.9	N 83 W	24.02	6335.39	2.93	23.85	175.79	740.44
6500	13.6	N 83 W	23.51	6432.58	2.86	23.35	173.93	763.79
6600	12.7	WEST	21.98	6530.14	1.00	22.00	173.93	785.79

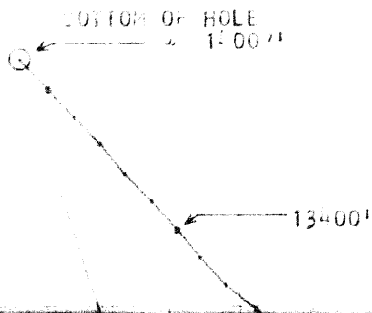
6200	13.7	S 87 W	23.68	6141.16	1.25	23.66	178.46	692.23
6300	13.9	N 93 W	24.02	6335.39	2.93	23.85	179.71	716.59
6400	13.6	N 83 W	23.51	6432.58	2.86	23.35	176.79	740.44
6500	12.7	WEST	21.98	6530.14	.00	22.00	173.93	763.79
6600	12.6	N 88 W	21.31	6627.73	.76	21.81	173.93	785.79
6700	12.7	N 73 W	21.98	6725.25	6.43	21.04	173.16	807.60
6800	12.9	N 73 W	22.32	6822.75	6.52	21.36	166.73	828.64
6900	13.3	N 74 W	23.00	6920.07	6.34	22.12	161.21	850.00
7000	13.3	N 75 W	23.00	7017.39	5.95	22.23	153.88	872.12
7100	13.1	N 75 W	22.66	7114.78	5.86	21.90	147.23	894.35
7200	12.7	N 75 W	21.98	7212.34	5.69	21.25	142.07	916.55
7300	12.5	N 76 W	21.64	7309.96	5.23	21.01	136.38	937.50
7400	12.3	N 73 W	21.30	7407.67	6.23	2.38	131.14	958.51
7500	12.3	N 70 W	21.30	7505.37	7.29	20.03	124.91	978.89
7600	11.8	N 73 W	20.45	7603.26	5.98	19.97	117.63	998.92
7700	11.1	N 80 W	19.25	7701.39	3.34	18.97	111.64	1018.49
7800	10.8	WEST	18.74	7799.62	.00	18.75	108.30	1037.46
7900	10.4	S 95 W	18.05	7897.97	1.53	17.99	108.30	1056.21
8000	9.8	S 84 W	17.02	7996.51	1.79	16.94	109.33	1074.20
8100	9.6	S 84 W	16.68	8095.11	1.76	16.60	111.67	1091.14
8200	8.3	S 85 W	15.30	8193.93	1.35	15.25	113.43	1107.74
8300	7.7	S 83 W	13.40	8293.03	1.65	13.31	114.79	1122.99
8400	7.2	S 82 W	12.53	8392.24	1.76	12.42	116.43	1136.30
8500	7.1	S 78 W	11.36	8491.47	2.58	12.10	118.20	1148.72
8600	7.1	S 81 W	12.71	8590.66	2.00	12.56	120.77	1160.82
8700	7.7	S 80 W	13.46	8689.76	1.88	13.28	123.17	1173.33
8800	8.6	S 81 W	13.92	8788.78	2.19	13.76	124.65	1186.66
8900	8.1	S 82 W	14.09	8887.76	1.97	13.96	126.84	1200.42
9000	8.7	S 82 W	15.13	8986.62	2.12	14.99	128.81	1214.38
9100	8.7	S 80 W	16.35	9085.20	2.94	16.60	130.93	1229.37
9200	11.3	S 82 W	13.74	9183.43	2.62	18.56	133.88	1245.97
9300	10.7	S 81 W	18.57	9281.69	2.92	18.35	136.50	1261.53
9400	10.1	S 82 W	17.36	9380.17	2.43	17.21	139.42	1282.83
9500	9.7	S 77 W	16.85	9478.74	3.30	16.43	141.85	1300.09
9600	9.5	S 79 W	16.50	9577.37	3.16	16.21	145.65	1316.52
9700	9.1	S 70 W	15.81	9676.11	5.42	14.87	148.81	1332.73
9800	8.8	S 69 W	15.30	9774.93	5.49	14.20	154.23	1347.61
9900	8.7	S 68 W	19.21	9873.47	7.21	17.82	159.72	1361.89
10000	8.5	S 77 W	10.79	9972.66	2.44	10.53	166.93	1379.71
10100	8.5	S 74 W	14.78	10071.56	4.08	14.22	169.37	1390.25
10200	8.5	S 72 W	14.78	10170.46	4.58	14.07	173.45	1404.46
10300	8.5	S 57 W	14.44	10269.42	7.87	12.12	173.03	1418.54
10400	7.8	S 47 W	13.57	10368.49	9.27	9.94	185.90	1433.66
10500	7.6	S 50 W	13.78	10467.61	8.51	10.14	195.17	1440.60
10600							202.68	1450.74

702

1091	8.3	S 57 W	14.44	10269.42	7.87	12.12	185.90	1433.66
1092	7.8	S 47 W	13.57	10268.49	9.27	9.94	195.17	1440.60
1093	7.6	S 50 W	13.72	10467.61	8.51	10.14	203.68	1450.74
1094	7.4	S 52 W	12.88	10566.73	7.94	10.16	211.69	1460.90
1095	7.2	S 62 W	12.53	10665.99	5.99	11.08	217.52	1471.98
1096	7.0	S 64 W	12.19	10765.24	5.35	10.96	223.87	1482.94
1097	7.0	S 53 W	12.19	10864.50	7.35	9.74	230.22	1492.68
1098	7.4	S 67 W	12.88	10963.66	5.65	11.87	235.27	1504.55
1099	7.5	S 57 W	13.05	11062.80	7.12	10.96	241.39	1515.51
1100	7.7	S 62 W	13.40	11161.96	6.30	11.84	248.70	1527.35
1101	7.7	S 62 W	13.40	11261.00	6.30	11.84	255.00	1539.19
1102	8.0	S 64 W	13.92	11360.03	6.11	12.52	261.11	1551.71
1103	8.5	S 77 W	14.73	11459.94	3.94	14.41	267.45	1566.12
1104	9.3	S 74 W	16.16	11559.61	7.19	14.54	273.55	1580.66
1105	9.5	S 66 W	16.50	11656.24	6.79	15.09	278.27	1595.75
1106	9.4	S 71 W	16.33	11754.89	5.35	15.46	283.59	1611.21
1107	9.3	S 67 W	16.16	11853.58	6.33	14.89	289.92	1626.10
1108	9.3	S 62 W	16.16	11952.27	4.60	14.28	297.52	1640.38
1109	9.3	S 57 W	16.16	12050.95	8.81	13.56	306.33	1653.94
1110	9.3	S 57 W	16.16	12149.64	8.31	13.56	315.14	1667.50
1111	9.5	S 63 W	16.50	12248.32	8.95	14.30	323.46	1681.00
1112	11.5	S 57 W	18.32	12346.59	9.94	15.30	333.34	1697.10
1113	11.7	S 52 W	17.88	12444.91	12.49	15.99	345.87	1713.69
1114	12.5	S 47 W	18.49	12543.95	15.35	16.47	361.13	1729.55
1115	14.2	S 47 W	24.93	12643.89	16.74	17.95	377.32	1747.50
1116	14.5	S 39 W	25.04	12743.77	19.47	15.77	397.19	1765.97
1117	15.4	S 40 W	26.35	12843.11	20.35	17.63	417.74	1780.34
1118	15.6	S 30 W	26.39	12943.45	20.11	17.30	438.75	1797.64
1119	15.9	S 61 W	27.72	13043.79	20.13	17.55	460.33	1815.20
1120	15.3	S 67 W	26.39	13143.24	13.34	19.31	476.53	1834.50
1121	15.3	S 52 W	26.39	13242.70	19.36	20.81	492.73	1855.71
1122	15.9	S 47 W	26.76	13342.16	13.24	19.56	511.11	1874.87
1123	15.3	S 47 W	27.09	13441.28	13.50	19.92	529.62	1894.79
1124	15.7	S 52 W	27.57	13540.40	16.30	21.73	548.60	1916.52
1125	15.7	S 47 W	27.30	13639.52	13.97	19.30	568.17	1935.32
1126	15.3	S 47 W	27.30	13738.64	16.30	19.55	588.31	1955.83
1127	15.3	S 47 W	27.30	13837.76	13.27	20.66	608.53	1976.50
1128	15.66	S 47 W	27.30	13936.88	13.27	20.66	628.75	1997.54
1129	15.66	S 47 W	27.30	14035.99	13.27	20.66	648.97	2018.58

POSITION OF BOTTOM OF HOLE  
14007'

IS 602.21' SOUTH AND 1976.41' WEST  
OR IS 2080.31' SOUTH 73.04' WEST  
IN RELATION TO CASING SHEET 7-11'



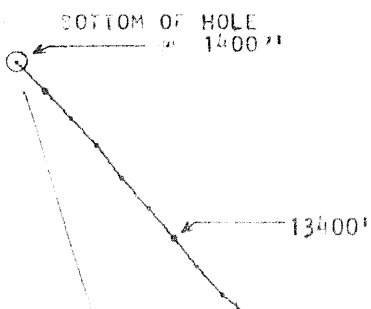
13300'	15.3	S 47 W	26.39	13121.24	16.26	20.81	476.54	1834.50
13400'	15.3	S 52 W	26.39	13217.70	18.24	19.56	492.80	1855.31
13500'	15.5	S 47 W	26.72	13314.76	18.58	19.92	511.74	1874.87
13600'	15.3	S 47 W	27.23	13410.28	16.98	21.73	529.62	1894.79
13700'	16.0	S 52 W	27.56	13506.40	18.47	19.80	546.60	1916.52
13800'	15.7	S 47 W	27.06	13602.55	18.24	19.56	563.07	1936.32
13900'	15.5	S 47 W	26.72	13699.05	19.27	20.66	581.51	1955.68
14000'	15.3	S 47 W	28.23	13800.24			602.58	1976.54
					75.66	678.24	1900	1976.54
						602.58		1976.54

2 6 1 73 14

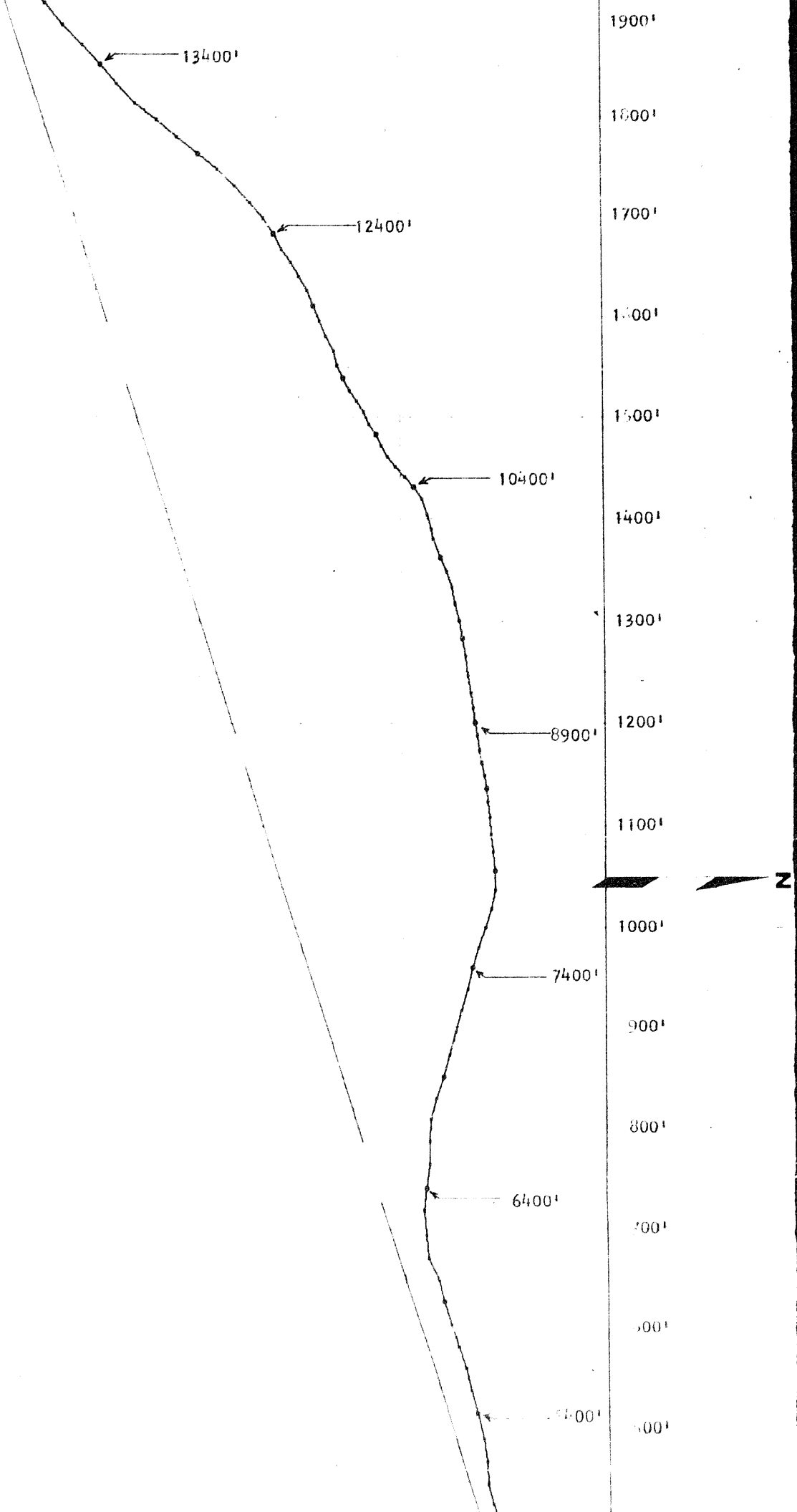
14007'

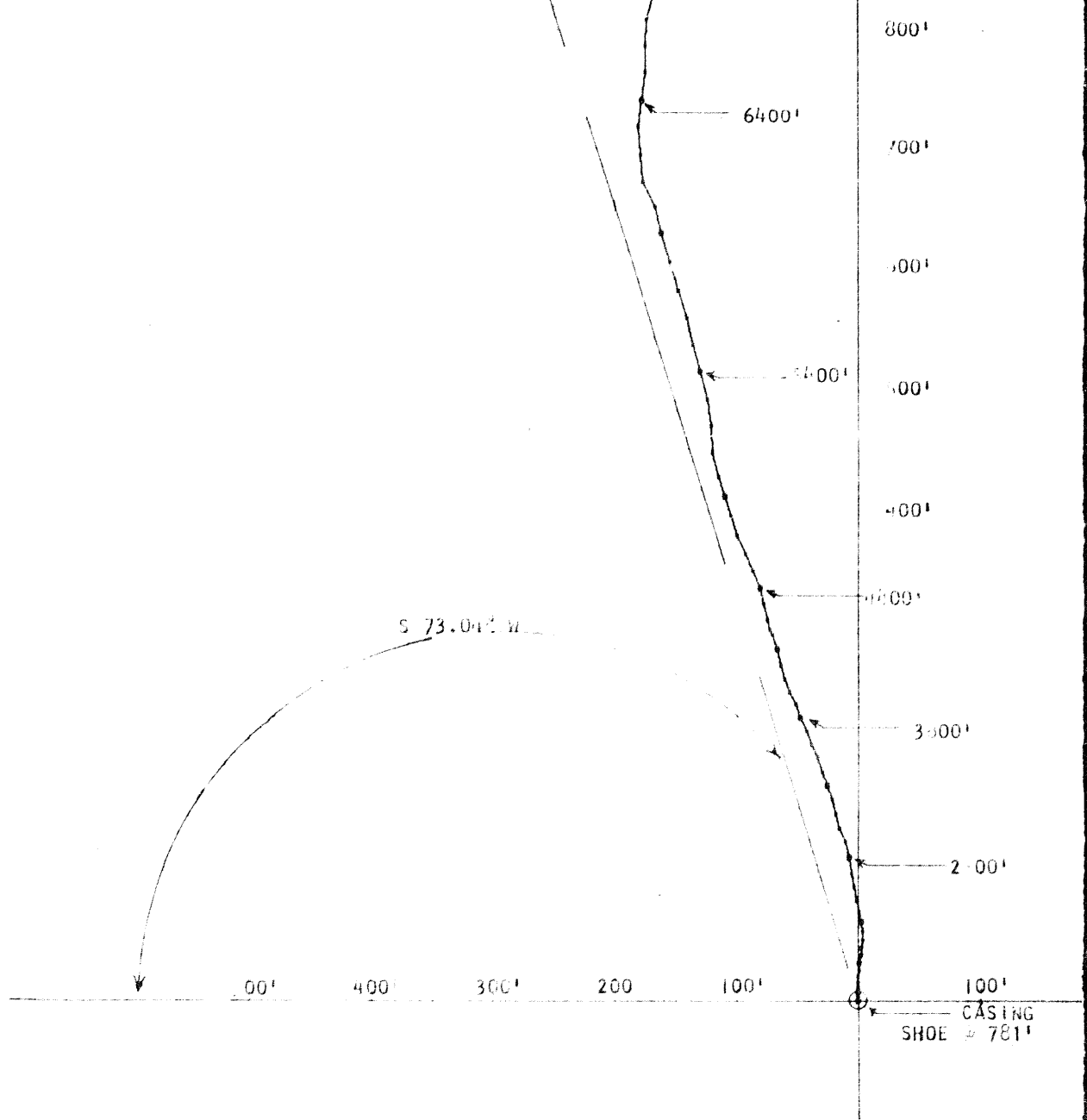
POSITION OF BOTTOM OF HOLE  
14007'


IS 602.21' SOUTH AND 1976.41' WEST  
OR IS 2080.31' SOUTH 73.04' WEST  
IN RELATION TO CASING SHEET 7-11'



3  
2  
3





COMPANY	MINERAL DEVELOPMENT CO., LTD.	
WELL	DEEPWATER 100-47-10-10-10	
WELL NO.	100-47-10-10-10	