

PLUG NO:	DEPTH (m)	PERMEABILITY (mD)	ϕ_{NE} (%)	ϕ_{SAT} (%)	BULK DENSITY IN SITU ρ_b LAB (g/cc)	GRAIN DENSITY ρ_{grain} LAB (g/cc)	V_b DRY	V_b WET	FORMATION FACTOR F_1	FORMATION FACTOR F_2	FORMATION FACTOR F_3
✓ 4V	1785.05		26.6		2.24	2.69	11.542				
✓ 6V	1802.55		31.3		2.19	2.73	12.195				
✓ 7V	1803.15		27.4		2.31	2.80	12.263				
✓ 12V	1808.15		22.3		2.49	2.92	12.875				
✓ 15V	1811.45		28.9		2.30	2.83	12.389				
✓ 17V	1813.05		22.0		2.48	2.90	12.665				
✓ 20V	1814.50		32.1		2.14	2.68	12.315				
✓ 23H	1820.55		31.7		2.15	2.69	10.378				
✓ 35V	1830.84		33.1		2.13	2.68	12.222				
✓ 38V	1836.00										
✓ 50V	1840.00										
✓ 61V	1844.00										
✓ 83V	1851.85										
✓ 96V	1857.35										
✓ 101	1859.25										
✓ 116H	1870.75										

MEASUREMENT

CAPILLARY PRESSURE

RESERVOIR - ARKIV

34/10-1

FILE 52

050 - P5.12.12 Kapilar trykk

[illegible]

DATE: 25/8.70

Capillary Pressure Measurement

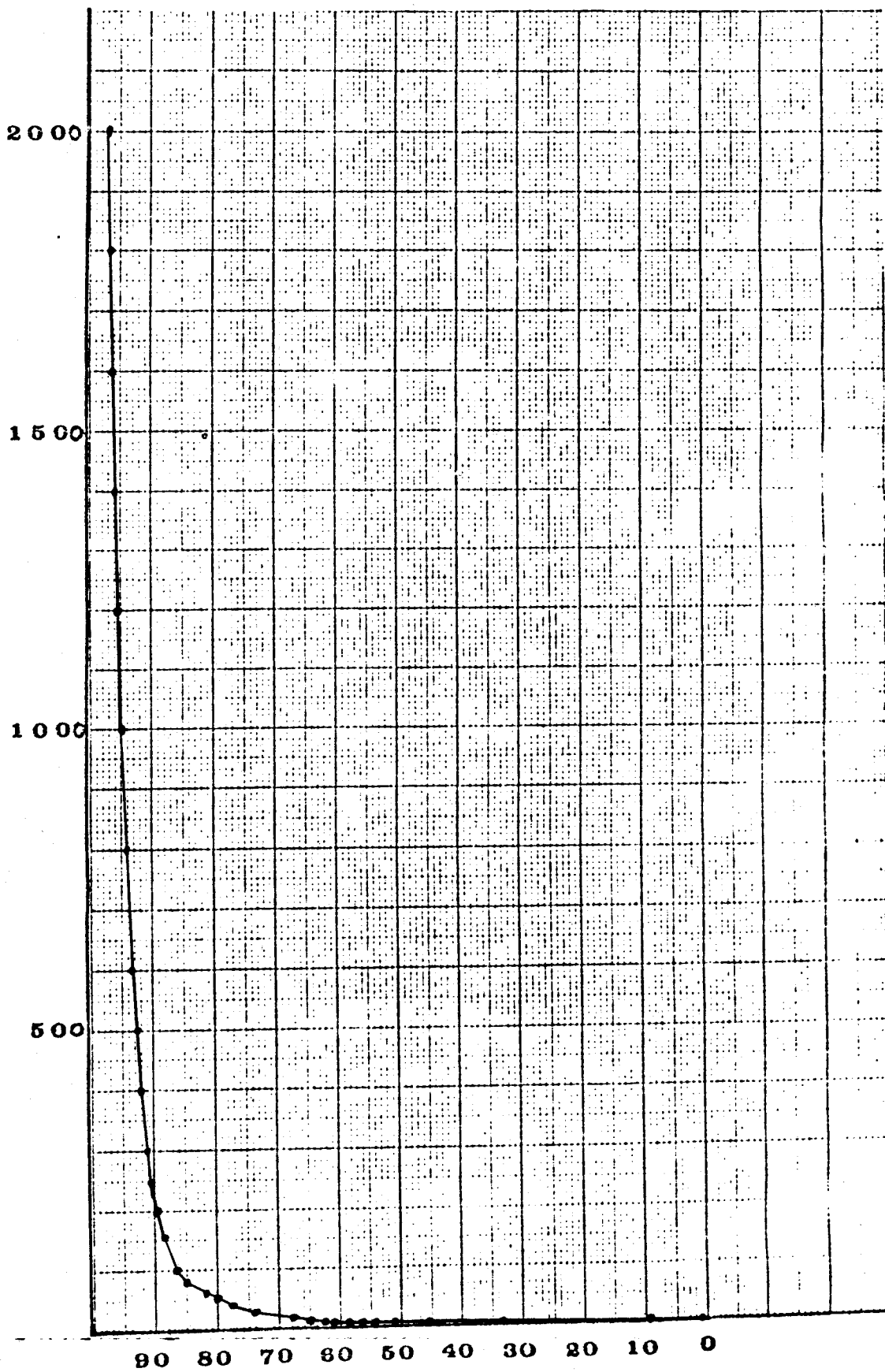
ϕ : 26.6 %

Core No.:

Depth: Plus No. 4V
1785.05 m

K: mD

P_o p.s.i.



WELL:

34/10-1

22/8. 78

INDICATED PRESS (psi)	CORRECTED PRESS (psi)	INDICATED VOL H ₂ (cc)	P-V CORRECTED (cc)	$\bar{r}_c$ (microns)	H ₂ SATURATION %	INDICATED PRESS (psi)	CORRECTED PRESS (psi)	VOL	PV CORR	$\bar{r}_c$ (microns)	H ₂ SAT %
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
1	1.8	0.038	0.008	57.669	0.98	100	100.8	2.708	0.055	1.058	86.39
2	2.8	0.300	0.010	37.434	9.44	160	160.8	2.780	0.062	0.663	88.51
3	3.8	1.039	0.013	27.711	33.41	200	200.8	2.817	0.068	0.531	89.52
4	4.8	1.425	0.015	21.998	45.91	250	250.8	2.850	0.073	0.465	90.43
5	5.8	1.590	0.017	18.237	51.22	300	300.8	2.875	0.077	0.355	91.11
6	6.8	1.680	0.018	15.575	54.12	400	400.8	2.912	0.087	0.266	91.99
7	7.8	1.750	0.019	13.591	56.37	500	500.8	2.943	0.098	0.213	92.64
8	8.8	1.813	0.020	12.055	58.39	600	600.8	2.973	0.108	0.178	93.29
10	10.8	1.889	0.023	9.833	60.76	800	800.8	3.022	0.132	0.133	94.10
12	12.8	1.950	0.025	8.303	62.68	1000	1000.8	3.065	0.152	0.107	94.86
15.2	16.0	2.038	0.028	6.647	65.45	1200	1200.8	3.105	0.175	0.089	95.41
20	20.8	2.115	0.030	5.117	67.89	1400	1400.8	3.142	0.195	0.076	95.96
30	30.8	2.300	0.035	3.458	73.75	1600	1600.8	3.175	0.218	0.067	96.29
40	40.8	2.422	0.040	2.612	77.56	1800	1800.8	3.210	0.245	0.059	96.55
50	50.8	2.507	0.045	2.098	80.17	2000	2000.8	3.240	0.265	0.053	96.87
60	60.8	2.567	0.047	1.753	82.06						
80	80.8	2.657	0.052	1.320	84.83						

SAMPLE #
4VV_c = 8.471 ccV₀ = 11.542 ccP₀ = 3.022

(5) CHALK (11.542)

d_h = 24.1

SAMPLE #

V_c =

(5)

DATE ; 25/8.78

Capillary Pressure Measurement

ϕ : 31.3 %

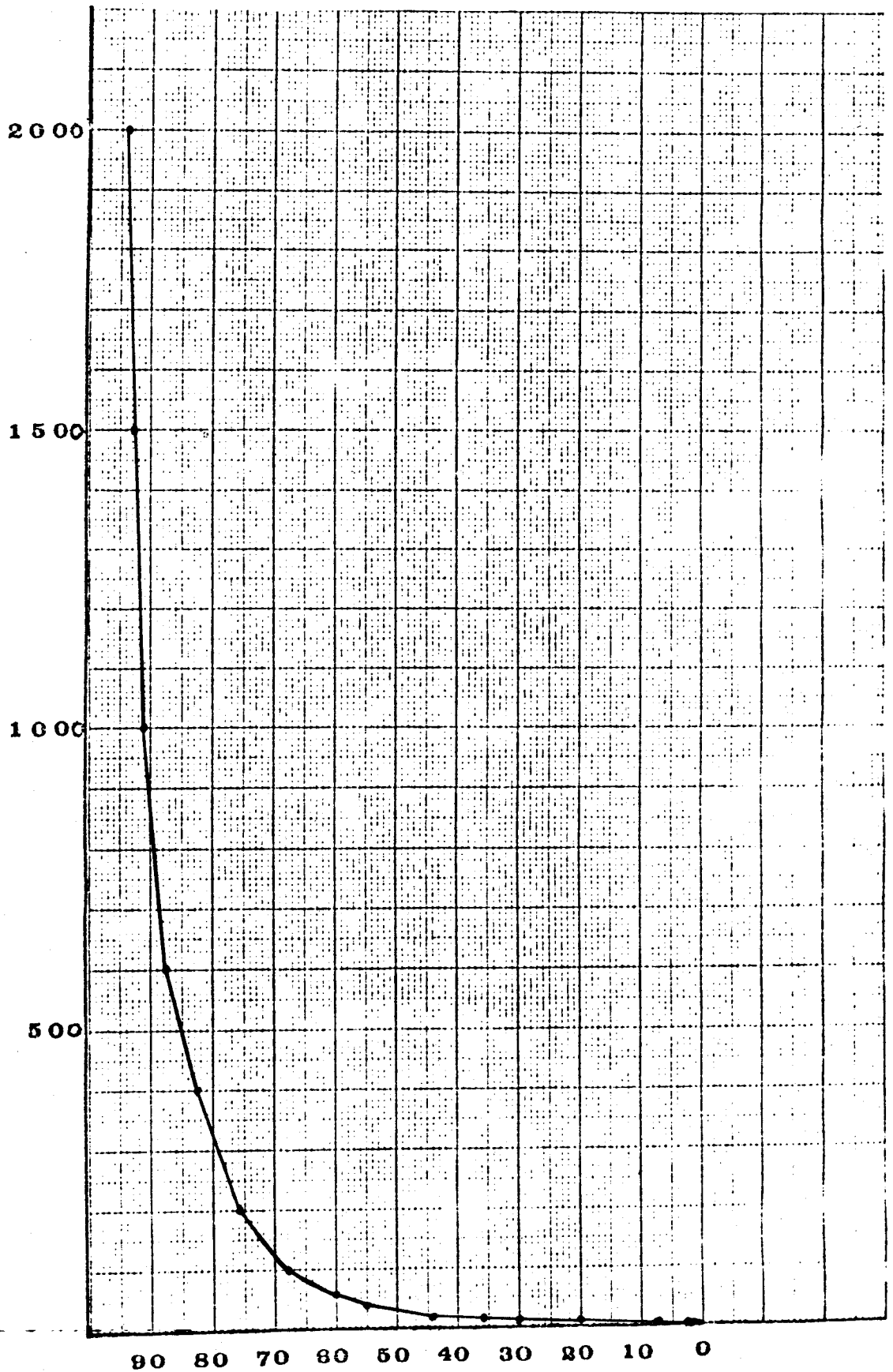
Plug no: 6V

Core No.:

Depth: 1002.55 m

K: mD

P_o psi.



WELL: 34/10-1 22/8.78

WELL: 34/10-1 22/8.78

INDICATED PRES. (psi)	CORRECTED PRES. (psi)	INDICATED VOL H ₂ (cc)	P-V CORRECTED (cc)	H ₂ SATUR. (%)	H ₂ SATUR. (%)	INDICATED PRES. (psi)	CORRECTED PRES. (psi)	VOL	PV CORR	H ₂ SATUR. (%)	H ₂ SATUR. (%)
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
1	1.8	0.035	0.008	57.667	.71	2	2.8	0.043	.010	37.434	0.98
4	4.8	0.080	.015	21.998	1.70	8	8.8	0.083	.020	12.055	1.88
6	6.8	0.120	.018	15.575	2.67	10	10.8	0.387	.013	9.833	10.84
7	7.8	0.302	.019	13.591	7.42	12	12.8	0.600	.015	8.303	17.13
9	9.8	0.704	.021	10.831	20.00	15.2	16.0	0.896	.018	6.647	25.86
12	12.8	1.193	.025	8.303	30.62	18	18.8	1.070	.028	5.660	31.04
15.2	16.0	1.422	.028	6.647	36.55	30	30.8	1.397	.035	3.458	40.57
20	20.8	1.721	.030	5.117	44.34	40	40.8	1.574	.040	2.612	45.70
40	40.8	2.135	.040	2.612	54.93	60	60.8	1.778	.047	1.753	51.56
60	60.8	2.350	.047	1.753	60.38	80	80.8	1.933	.052	1.320	56.03
100	100.8	2.647	.055	1.058	67.96	100	100.8	2.080	.055	1.058	60.32
200	200.8	2.954	.068	0.531	75.67	200	200.8	2.419	.068	0.531	70.03
400	400.8	3.237	.087	0.266	81.59	400	400.8	2.889	.087	0.266	83.47
600	600.8	3.450	.108	0.178	87.63	600	600.8	2.971	.108	0.178	85.20
1000	1000.8	3.622	.152	0.107	90.98	1000	1000.8	3.162	.152	0.107	89.66
1500	1500.8	3.743	.206	0.071	92.74	1500	1500.8	3.302	.206	0.071	92.23
2000	2000.8	3.837	.265	0.053	93.71	2000	2000.8	3.405	.265	0.053	93.54

SAMPLE #
6VV_g = 8.381 ccV_B = 12.195 cc

PV = 3.814 cc

(5)

(7)

CHECK (12.200)

φ = 31.3

SAMPLE #

7V

V_g = 8.906V_B = 12.263

PV = 3.814 cc

(5)

(7)

φ = 27.4

(12.260)

DATE : 25/8.78

Capillary Pressure Measurement

ϕ : 27.4 %

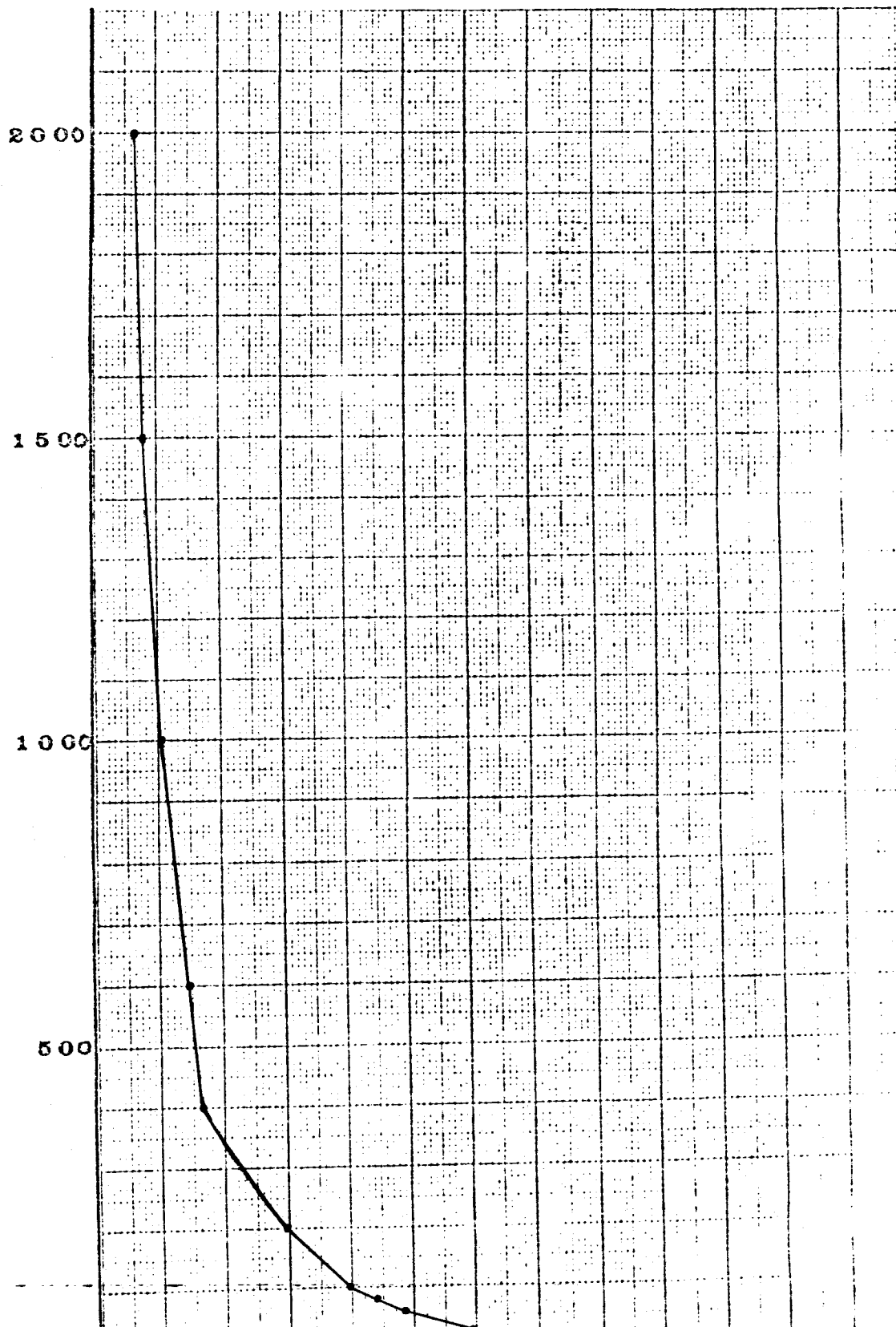
Core No.:

Pass No: 74
Depth: 1803.15 m

K:

mD

P_o psi.



Capillary Pressure Measurement

ϕ : 22.3 %

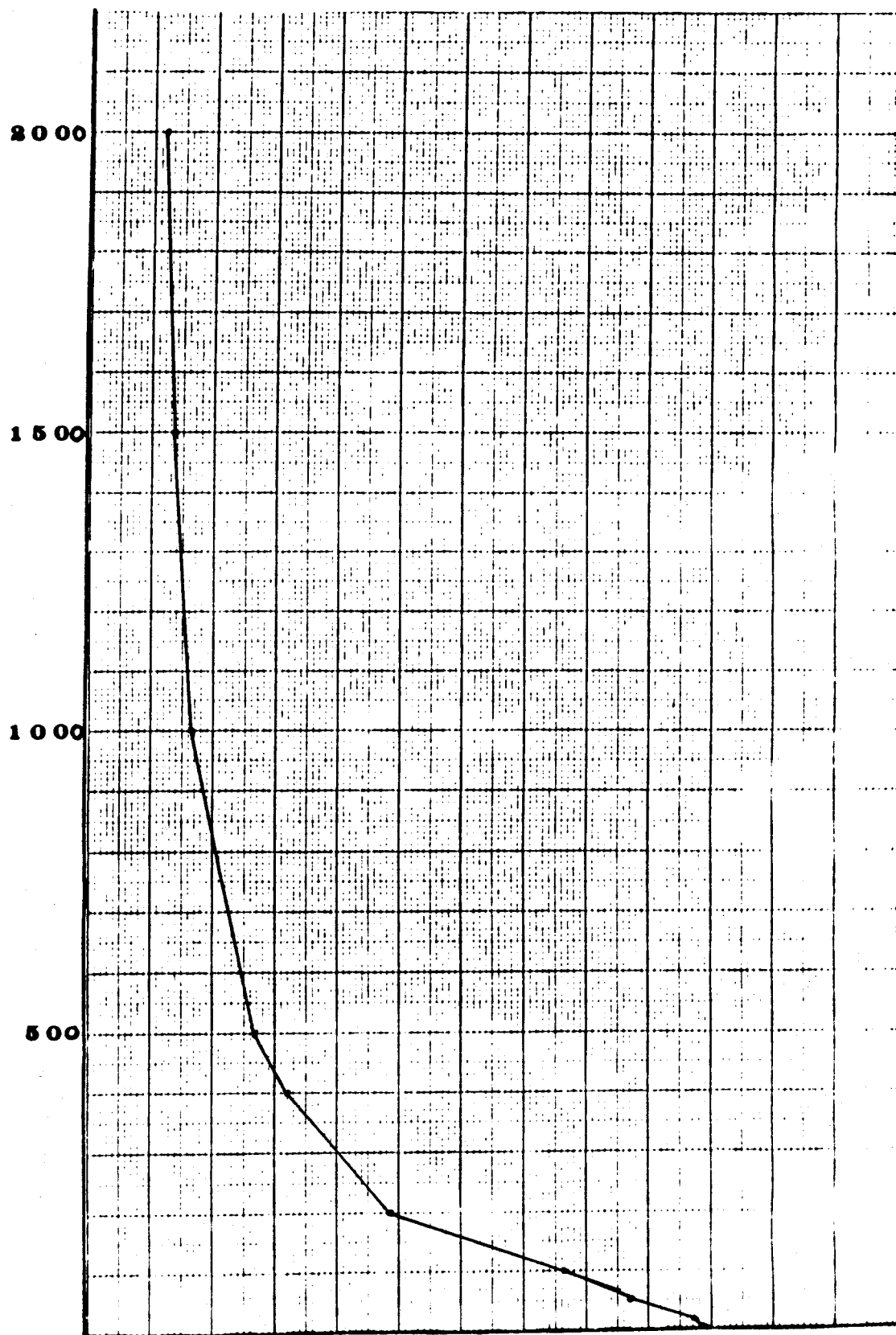
Core No.:

Pluc no. 12V
Depth: 1808.15 m

K:

mD

P_o psi.



6/9 - 78

INDICATED PRESS (psi) CORRECTED PRESS (psi) Hg (cc) CORRECTED (cc) (microns) Hg ATTENUATION %						INDICATED PRESS (psi) CORRECTED PRESS (psi) VOL PV CORR % Hg SAT %					
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.030	.010	38.103	.7	2	2.8	0.034	.010	38.103	1.0
4	4.8	0.050	.020	22.227	1.1	6	6.8	0.020	.016	15.639	1.6
6	6.8	0.070	.026	15.689	1.2	10	10.8	0.115	.038	9.879	2.7
8	8.8	0.070	.030	12.124	1.5	12	12.8	0.155	.040	8.335	4.3
10	10.8	0.080	.038	7.877	1.5	15.2	16.0	0.250	.049	6.668	7.5
15.2	16.0	0.093	.049	6.668	1.6	20	20.8	0.332	.050	5.129	10.5
20	20.8	0.128	.050	5.129	2.8	50	50.8	0.815	.064	2.100	24.0
50	50.8	0.415	.064	2.100	12.8	100	100.8	1.500	.080	1.053	52.9
100	100.8	0.728	.080	1.053	23.7	200	200.8	2.046	.102	0.531	72.2
200	200.8	1.510	.102	0.531	51.4	500	500.8	2.451	.140	0.213	86.1
400	400.8	1.995	.136	0.266	67.7	1000	1000.8	2.625	.205	0.107	90.5
500	500.8	2.145	.140	0.213	73.2	1500	1500.8	2.738	.264	0.071	92.2
1000	1000.8	2.405	.205	0.107	83.3	2000	2000.8	2.822	.320	0.053	93.2
1500	1500.8	2.628	.264	0.071	86.3						
2000	2000.8	2.730	.320	0.053	88.0						

SAMPLE # 12V
 $V_c = 9.542$
 $V_B = 12.280$
 $V_P = 2.228$
 (5) CHECK (12.280)
 $\phi = 22.3$

SAMPLE # 17V
 $V_c = 9.516$
 $V_B = 12.200$
 $V_P = 2.694$
 (5) $\phi = 22.0$
 12.200

DATE ; 25/8.78

Capillary Pressure Measurement

Core No.:

Depth: Para No: 15V
1811.45 m

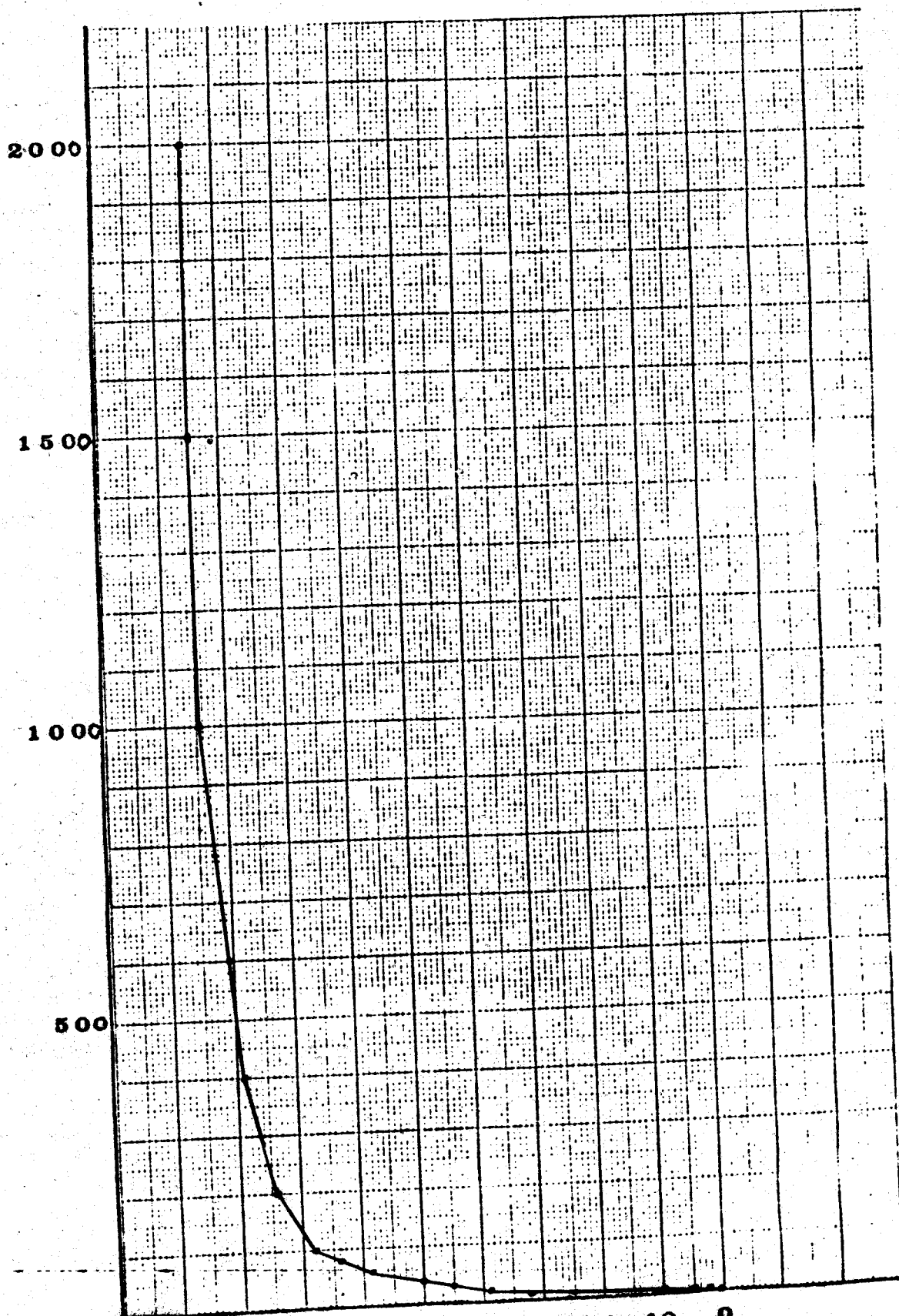
0:

%

K:

mD

P₀ psi.



34/10-1

24/0.70

INDICATED PRESS (psi)	CORRECTED PRESS (psi)	VOL (cc)	P-V CORRECTED (cc)	PC (microns)	Hg SATURATION %	INDICATED PRESS (psi)	CORRECTED PRESS (psi)	VOL	PV CORR	PC (microns)	Hg SAT %
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.040	.010	38.103	0.84	2	2.8	0.514	.010	38.103	14.09
4	4.8	0.103	.015	27.217	2.46	4	4.8	1.268	.015	27.227	35.02
6	6.8	0.205	.018	15.689	5.23	6	6.8	1.619	.018	15.689	44.75
8	8.8	0.390	.020	12.124	10.34	8	8.8	1.841	.020	12.124	50.89
12	12.8	0.915	.025	8.335	24.87	12	11.8	2.081	.025	8.335	57.46
15.2	16.0	1.183	.028	6.668	31.28	15.2	16.0	2.204	.028	6.668	60.82
20	20.8	1.408	.030	5.129	38.51	20	20.8	2.349	.030	5.129	64.81
30	30.8	1.642	.035	3.464	44.91	30	30.8	2.474	.035	3.464	68.17
40	40.8	1.832	.040	2.615	50.08	40	40.8	2.587	.040	2.615	71.19
60	60.8	2.139	.047	1.755	58.47	60	60.8	2.719	.047	1.755	74.68
80	80.8	2.374	.052	1.320	62.78	80	80.8	2.812	.052	1.320	77.14
100	100.8	2.489	.055	1.058	68.03	100	100.8	2.872	.055	1.058	78.73
200	200.8	2.718	.068	0.531	74.06	200	200.8	3.760	.068	0.531	112 ?
400	400.8	2.908	.087	0.266	78.84						LEAK IN SYSTEM !
600	600.8	3.000	.108	0.178	80.83						
1000	1000.8	3.182	.152	0.107	84.68						
1500	1500.8	3.244	.206	0.071	84.91						
2000	2000.8	3.310	.265	0.053	85.10						

IMPLE #

15V

 $V_c = 0.811$ $V_R = 12.387$

(5)

(1) CHECK (12.376)

SAMPLE #

25H

 $V_c = 7.091$ $V_R = 10.378$

(5)

(10.385)

Capillary Pressure Measurement

ϕ : 22.0 %

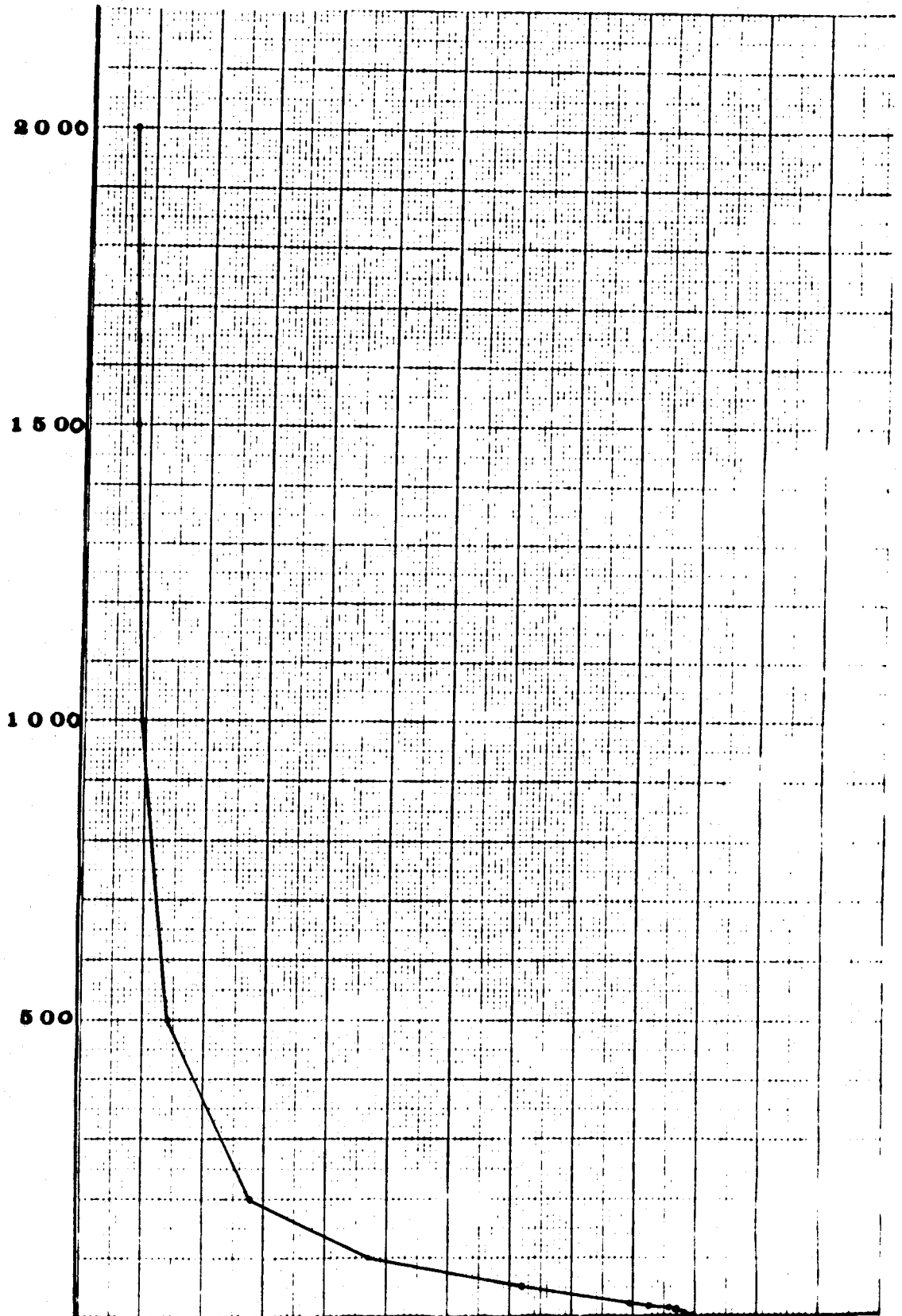
Core No.:

Plug no. 17✓
Depth: 1013.05 m

K:

mD

P_c psi.



Capillary Pressure Measurement

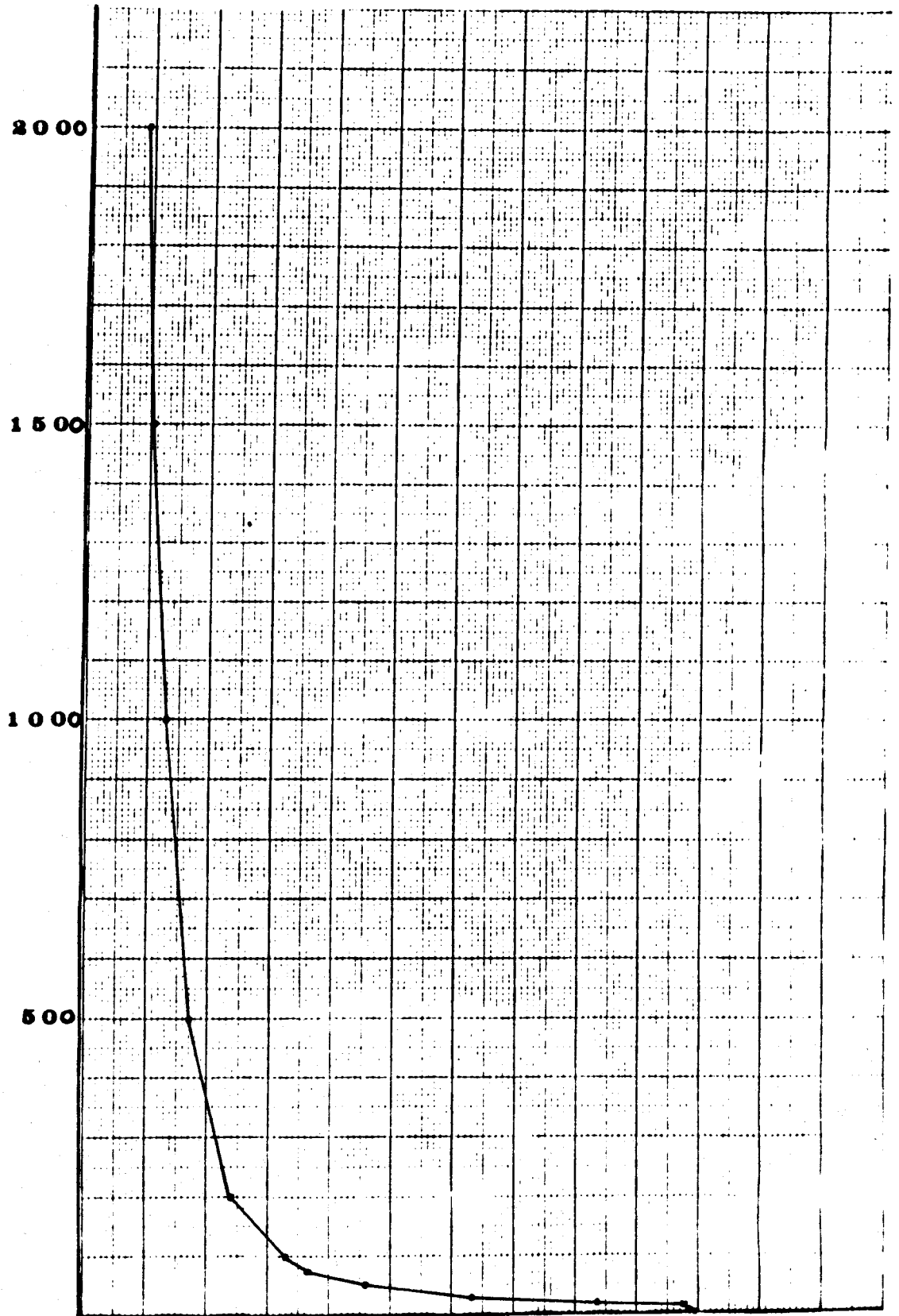
ϕ : 32.1 %

Core No.:

Depth: 1814.50 m *Plu no. 20V*

K: mD

P_o psi.



DATE : 2/8.78

Capillary Pressure Measurement

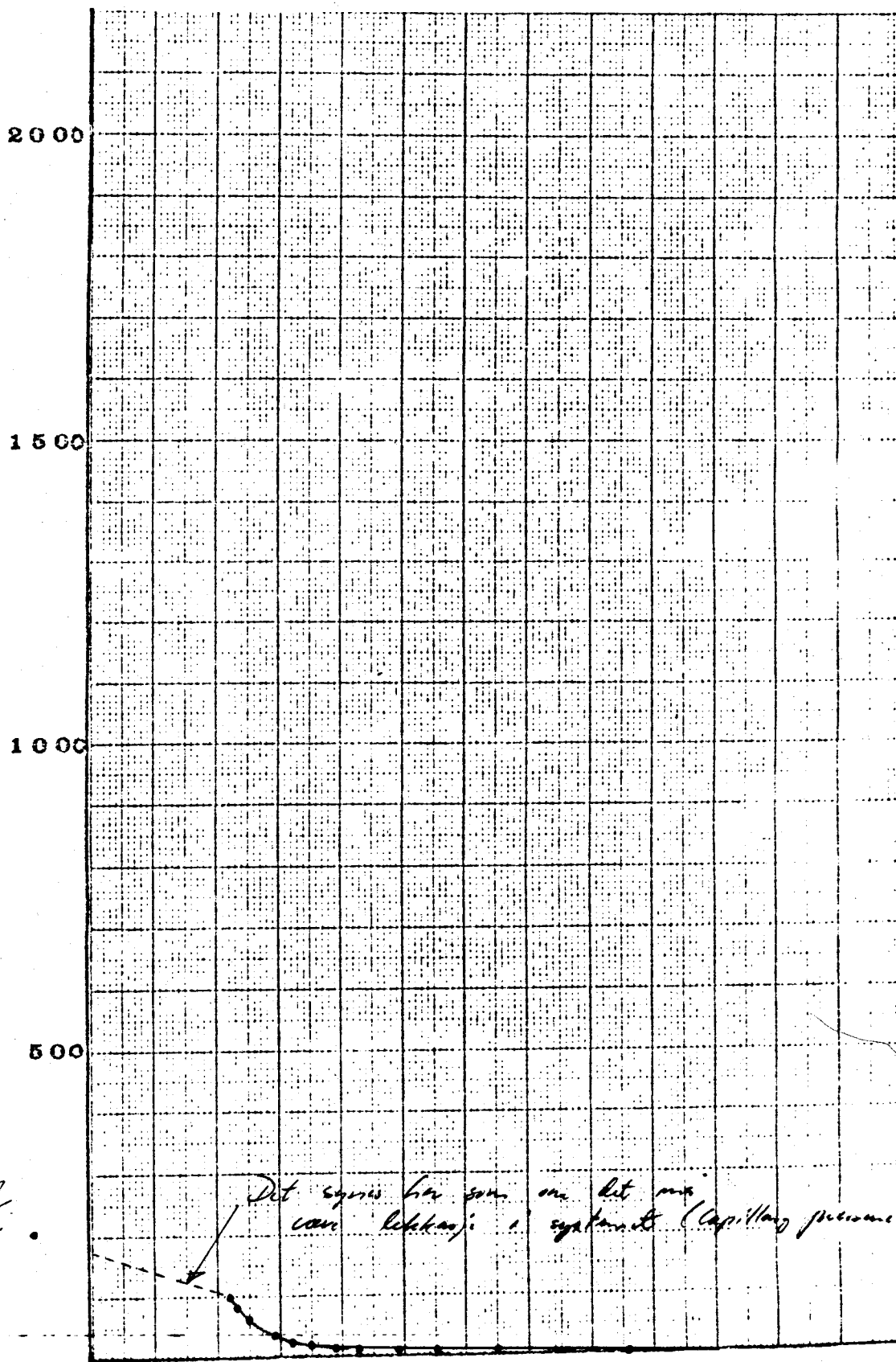
Core No.:

Depth: Plan No: 23H
1820.55m

Q: %

K: mD

P_o psi.



Capillary Pressure Measurement

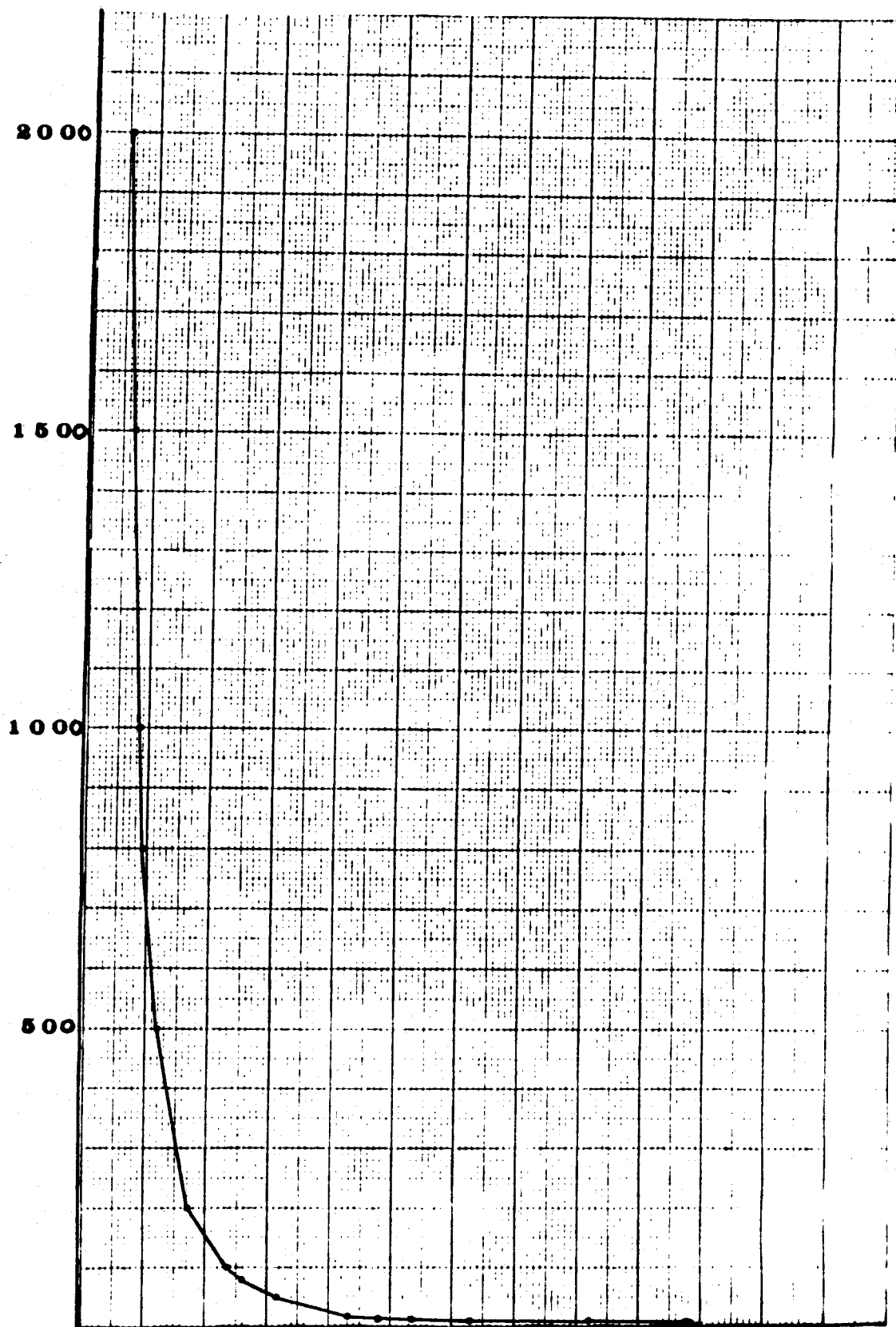
ϕ : 33.1 %

Core No.:

Flu No 35V
Depth: 1830.84 m

K: mD

P_o psi.



7/9. 70

INDICATED PRESS. (psi)	CORRECTED PRESS. (psi)	INDICATED VOL. Hg (cc)	P-V CORRECTED (cc)	μ (microns)	Hg SATURATION %	
(A)	(1)	(B)	(C)	(3)	(2)	
2	2.8	0.045	.010	38.103	.9	
4	4.8	0.075	.020	22.227	1.5	
6	6.8	0.123	.026	15.689	2.6	
8	8.8	0.210	.030	12.124	18.1	
10	10.8	1.420	.038	9.877	36.8	
12	12.8	1.785	.040	8.335	46.4	↓
15.2	16.0	1.995	.049	6.668	51.8	
20.	20.8	2.172	.050	5.129	57.0	
50.	50.8	2.640	.064	2.100	68.5	
80	80.8	2.863	.076	1.320	74.1	
100	100.8	2.957	.080	1.058	76.5	
200	200.8	3.215	.102	0.531	82.8	
500	500.8	3.460	.140	0.213	88.3	
800	800.8	3.585	.180	0.133	90.5	
1000	1000.8	3.645	.205	0.107	91.5	
1500	1500.8	3.765	.264	0.071	93.1	
2000	2000.8	3.868	.320	0.053	94.4	

STD 7 = 0.8
STD 6 = V₆
STD 5 = V₅
STD 4 = 100
STD 3 = 106.6

INDICATED PRESS. (psi)	CORRECTED PRESS. (psi)	VOL	PV CORR	μ (microns)	Hg SAT %
(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.030	.010	38.103	.5
4	4.8	0.055	.020	22.227	.9
8	8.8	0.080	.030	12.124	1.3
12	12.8	0.100	.040	8.335	1.6
15.2	16.0	0.138	.049	6.668	2.4
20	20.8	0.685	.050	5.129	16.3
30	30.8	1.433	.056	3.464	36.8
50	50.8	2.077	.064	2.100	53.7
80	80.8	2.450	.076	1.320	63.5
100	100.8	2.590	.080	1.058	67.1 ↓
200	200.8	2.940	.102	0.531	75.9 ↓
500	500.8	3.245	.140	0.213	83.1
1000	1000.8	3.460	.205	0.107	87.1
1500	1500.8	3.605	.264	0.071	89.4
2000	2000.8	3.725	.320	0.053	91.1

IMPLE #

35V

V₆ = 7.600V₈ = 11.360V_D = 3.760

(5)

(C)

CHECK

P = 33.1

(11.360)

SAMPLE #

20V

V₆ = 7.707V₈ = 11.645V_D = 3.720

(5)

P = 32.1

(11.645)

DATE ; 1/7-78

Capillary Pressure Measurement

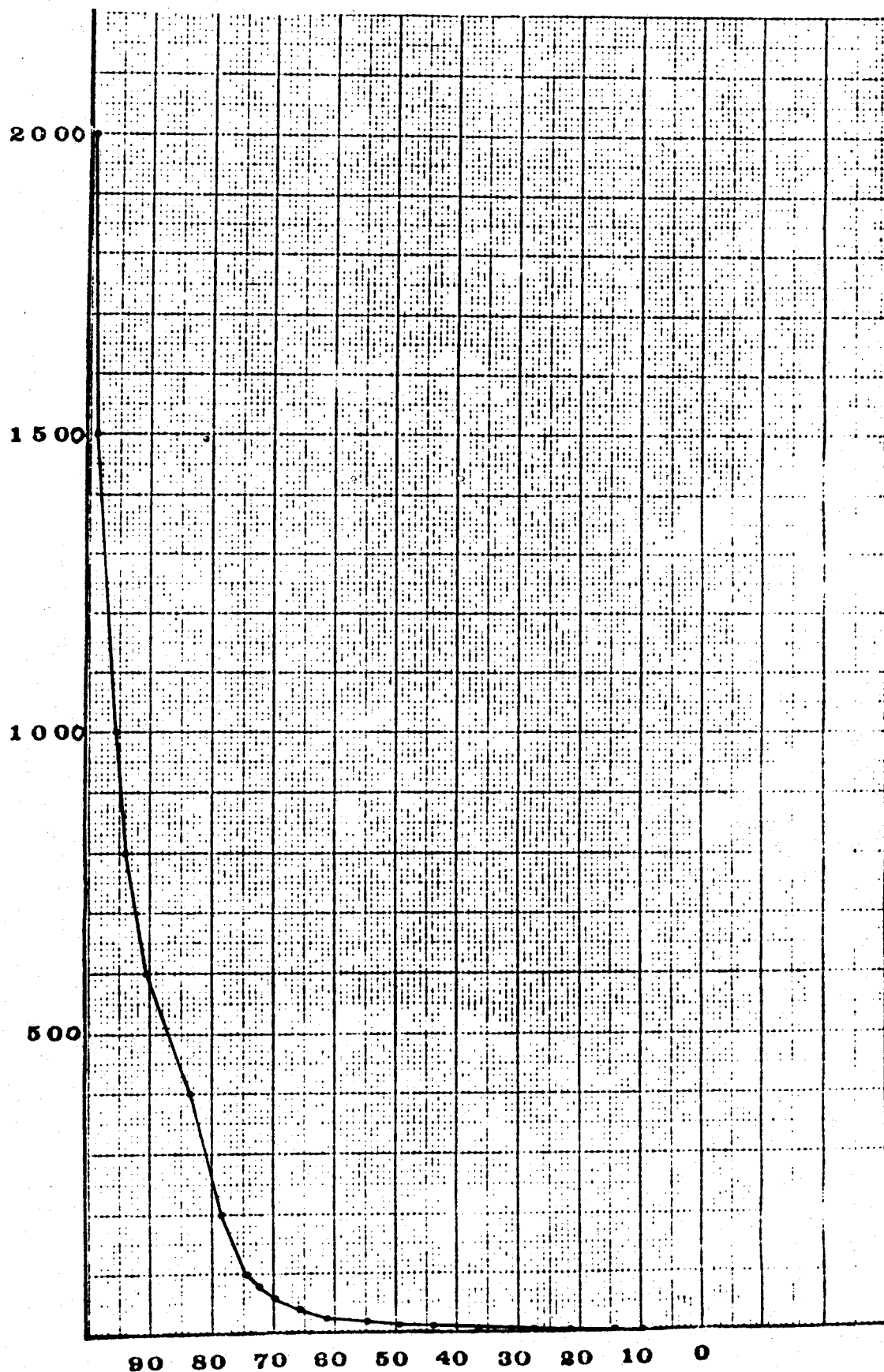
ϕ : 27.9 %

Core No.: 5

Depth: 1836.0 m *Plus No. 38V*

K: mD

P_o psi.



WELL: 34/10-1

WELL: 34/1-1

INDICATED P-V PRESS (PSI) MEASURED FUNCTIONAL CELL (HOURS)							CORRECTED P-V PRESS (PSI) VOL PV CORR (PERCENT) Hg SATN %						
(E)	(1)	(2)	(3)	(4)	(5)	(6)	(A)	(1)	(B)	(C)	(D)	(E)	(F)
						STD 7 = 0.8 STD 6 = V _B STD 5 = V _A STD 4 = 100							
2	2.8	0.273	0.010	38.103	9.9		2	2.8	0.038	.010	38.103	.8	
3	3.8	0.395	0.013	28.076	14.4		4	4.8	0.214	.015	22.227	5.4	
4	4.8	0.589	.015	22.227	21.7		6	6.8	1.026	.018	15.689	22.2	
5	5.8	0.749	.016	18.394	27.7		8	8.8	1.342	.020	12.124	35.2	
6	6.8	0.845	.018	15.689	31.2		10	10.8	1.521	.023	9.879	40.5	
8	8.8	0.987	.020	12.124	36.5		12	12.8	1.638	.025	8.335	42.2	
12	12.8	1.194	.025	8.335	44.1		15	16.0	1.781	.028	6.668	47.8	
15	16.0	1.342	.028	6.668	49.6		20	20.8	1.932	.030	5.129	51.1	
20	20.8	1.478	.030	5.129	54.7		30	30.8	2.125	.035	3.464	56.3	
30	30.8	1.663	.035	3.464	61.5		40	40.8	2.300	.040	2.615	61.0	
40	40.8	1.780	.040	2.615	65.7		60	60.8	2.488	.047	1.755	66.0	
60	60.8	1.893	.047	1.755	67.7		80	80.8	2.642	.052	1.320	70.1	
80	80.8	1.970	.052	1.320	72.4		100	100.8	2.732	.055	1.058	72.5	
100	100.8	2.023	.055	1.058	74.5		200	200.8	2.941	.068	0.531	77.0	
200	200.8	2.142	.068	0.531	78.6		400	400.8	3.185	.087	0.266	83.0	
400	400.8	2.294	.087	0.266	83.5		600	600.8	3.242	.108	0.178	84.7	
600	600.8	2.502	.108	0.178	90.4		800	800.8	3.320	.132	0.133	86.2	
800	800.8	2.616	.132	0.133	93.9		1000	1000.8	3.369	.152	0.107	86.9	
1000	1000.8	2.681	.152	0.107	95.5		1200	1200.8	3.420	.175	0.089	87.7	
1500	1500.8	2.831	.206	0.071	97.0		1400	1400.8	3.475	.195	0.076	88.5	
2000	2000.8	2.900	.265	0.053	99.4		1600	1600.8	3.517	.218	0.062	89.1	
							2000	2000.8	3.604	.265	0.053	90.2	

SAMPLE #38/V_c = 6.831

(5)

 $\phi = 27.7$ 25/9.480 V_B = 9.400

(6)

CHECK (9.480)

SAMPLE #6/V_c = 6.781

(5)

 $\phi = 34.7$ V_B = 10.682

(6)

CHECK (10.682)

DATE; 1/9-78

Capillary Pressure Measurement

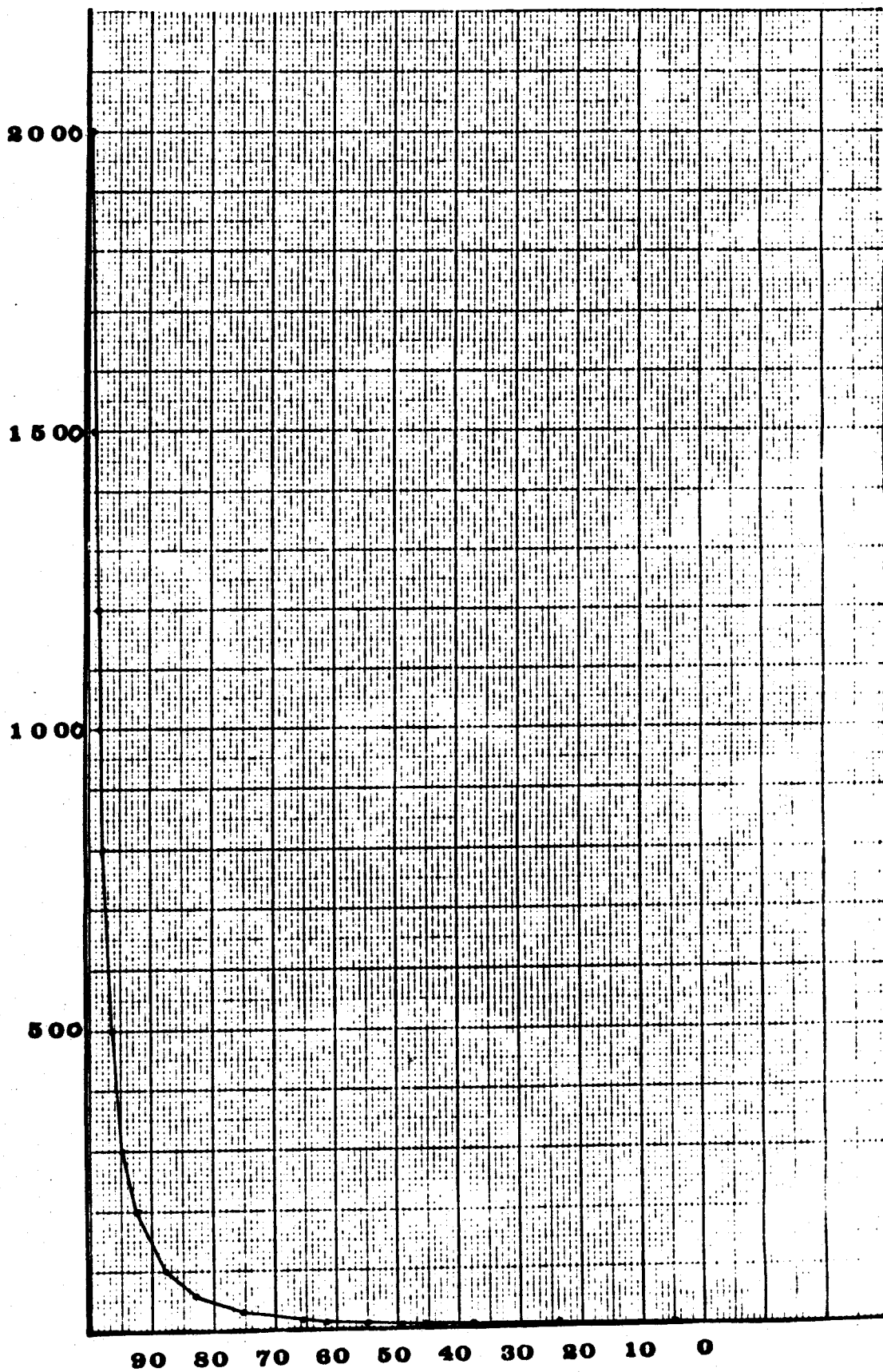
ϕ : 30.7 %

Core No.: 5

Depth: Run No. 50V
1840.0 m

K: mD

P_o psi.



34/10-1

30/8.7

INDICATED CORRECTED INDICATED Vol P-V PRES. (psi) PRES (psi) Hg (cc) CORRECTED (cc) μ (microns)						INDICATED CORRECTED Vol PV CORR μ Hg PRES. (psi) PRES (psi) Vol PV CORR (microns) SAT %					
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.142	.010	38.103	5.0	2	2.8	0.047	.010	38.103	1.1
3	3.8	0.641	.012	28.076	23.8	3	3.8	0.124	.012	28.076	3.4
4	4.8	1.015	.015	22.227	37.8	4	4.8	0.209	.015	22.227	8.7
5	5.8	1.220	.017	18.394	45.5	5	5.8	0.277	.017	18.394	26.1
6	6.8	1.324	.018	15.689	49.4	6	6.8	1.089	.018	15.689	32.6
8	8.8	1.480	.020	12.124	55.2	8	8.8	1.405	.020	12.124	42.1
12	12.8	1.658	.027	8.335	61.7	12	12.8	1.675	.017	8.335	50.4
15.2	16.0	1.759	.030	6.668	65.4	15.2	16.0	1.812	.030	6.668	54.2
30	30.8	2.027	.040	3.464	75.2	30	30.8	2.095	.040	3.464	62.5
60	60.8	2.255	.060	1.755	83.0	60	60.8	2.387	.060	1.755	70.7
100	100.8	2.398	.072	1.058	87.8	100	100.8	2.596	.072	1.058	76.7
200	200.8	2.525	.083	0.531	92.4	200	200.8	2.781	.083	0.531	82.0
300	300.8	2.605	.100	0.355	94.7	300	300.8	2.926	.100	0.355	85.7
500	500.8	2.677	.132	0.213	96.3	500	500.8	3.078	.132	0.213	87.5
800	800.8	2.758	.170	0.133	97.9	800	800.8	3.172	.170	0.133	91.2
1000	1000.8	2.792	.195	0.107	98.2	1000	1000.8	3.268	.195	0.107	93.4
1200	1200.8	2.831	.228	0.089	98.4	1200	1200.8	3.351	.228	0.089	94.7
1500	1500.8	2.887	.262	0.071	97.3	1500	1500.8	3.466	.262	0.071	95.6
2000	2000.8	2.963	.322	0.053	97.9	2000	2000.8	3.508	.322	0.053	96.8

MILE #

50V

 $V_c = 5.981$ $V_B = 8.625$ $PV = 2.644$

(5)

(2)

CHECK (8.625)

SAMPLE #

96V

 $V_c = 7.181$ $V_B = 10.421$

(5)

(10.421)

DATE; 1/9-78

Capillary Pressure Measurement

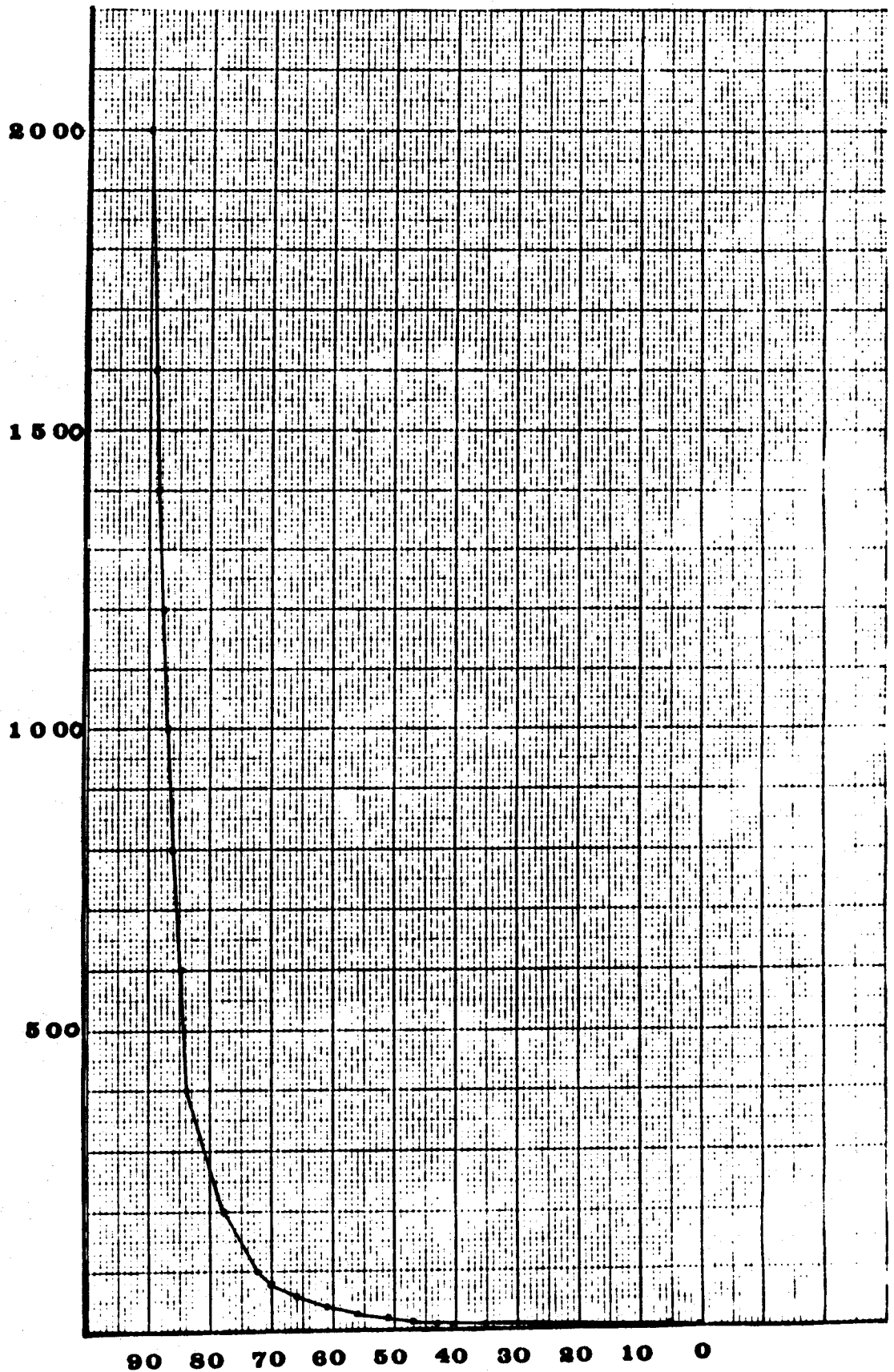
ϕ : 34.7 %

Core No.: 5

Depth: Plan No. 61V
1844.0 m

K: mD

P_o psi.



DATE: 1/9-78

Capillary Pressure Measurement

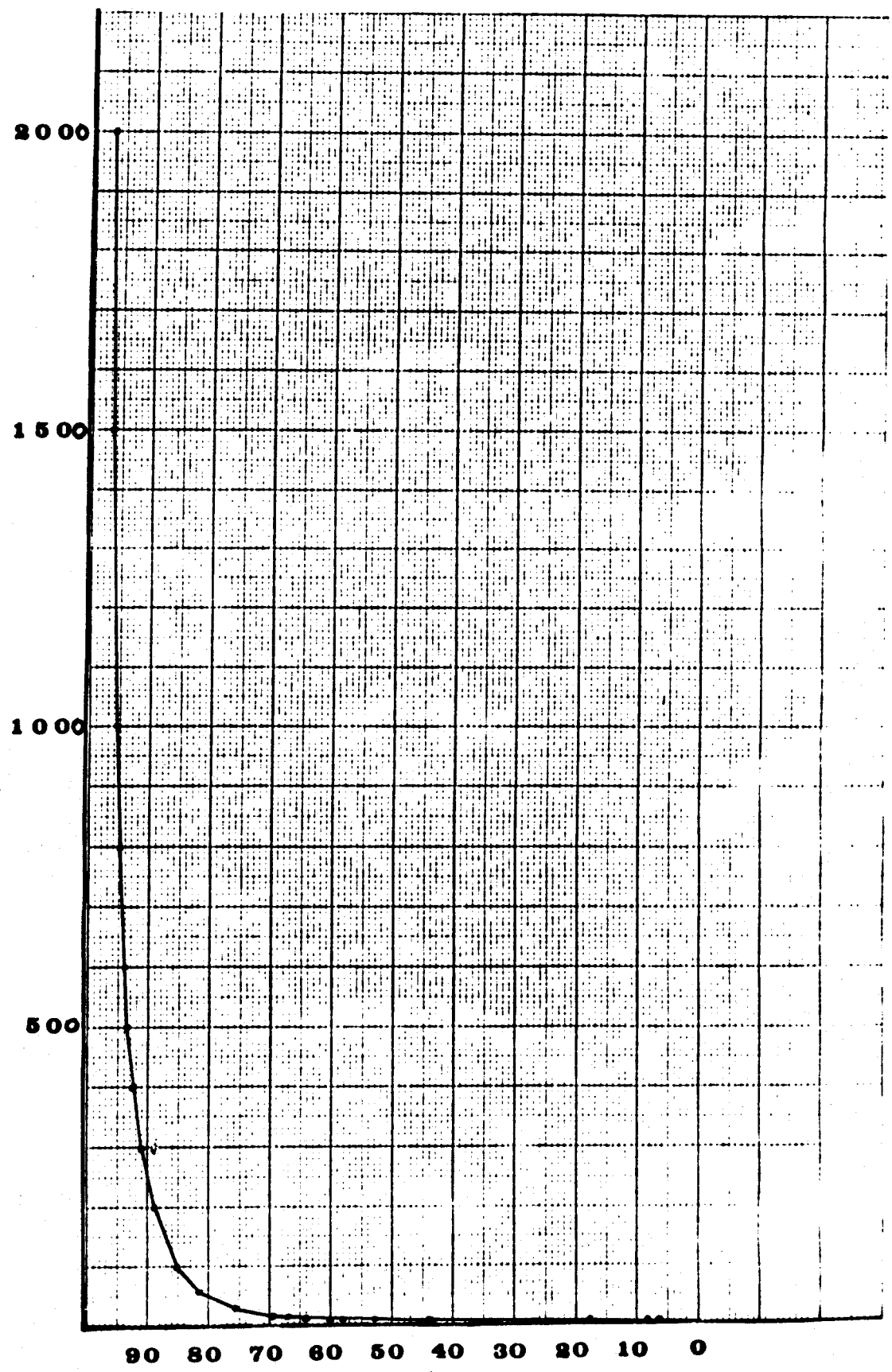
ϕ : 36.1 %

Core No.: 5

Depth: Run No. 83V
1851.85

K: mD

P_0 psi.



34/10-1 39/8.72

INDICATED CORRECTED INDICATED VOL P-V PRESS (psi) PRESS (psi) Hg (cc) CORRECTED (cc) Hg ATTRACTION						INDICATED CORRECTED VOL PV CORR Hg PRESS (psi) PRESS (psi) (microns) SAT %					
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.190	.010	38.103	6.4	600	600.8	2.770	.148	0.178	93.9
3	3.8	0.245	.012	29.076	8.3	800	800.8	2.815	.170	0.133	94.8
4	4.8	0.512	.015	22.227	17.8	1000	1000.8	2.850	.195	0.107	95.4
5	5.8	1.245	.017	18.394	44.0	1500	1500.8	2.961	.262	0.071	96.7
6	6.8	1.498	.018	15.689	53.0	2000	2000.8	3.030	.322	0.053	97.0
7	7.9	1.645	.019	13.678	58.3						
8	8.8	1.703	.020	12.124	60.3						
10	10.8	1.812	.023	7.879	64.1						
12	12.8	1.892	.027	8.335	66.8						
15.2	16.0	1.970	.030	6.668	69.5						
30	30.8	2.153	.040	3.464	75.7						
60	60.8	2.334	.060	1.755	81.5						
100	100.8	2.450	.072	1.058	85.2						
200	200.8	2.564	.083	0.531	88.9						
300	300.8	2.648	.100	0.355	91.3						
400	400.8	2.700	.118	0.266	92.5						
500	500.8	2.741	.132	0.213	93.5						

SAMPLE # 83V
 $V_c = 4.930$
 $V_a = 7.727$
 $V_p = 2.791$
 (5) CHECK (7.712)

SAMPLE # $V_c =$
 (5)

DATE: 1/7.78

Capillary Pressure Measurement

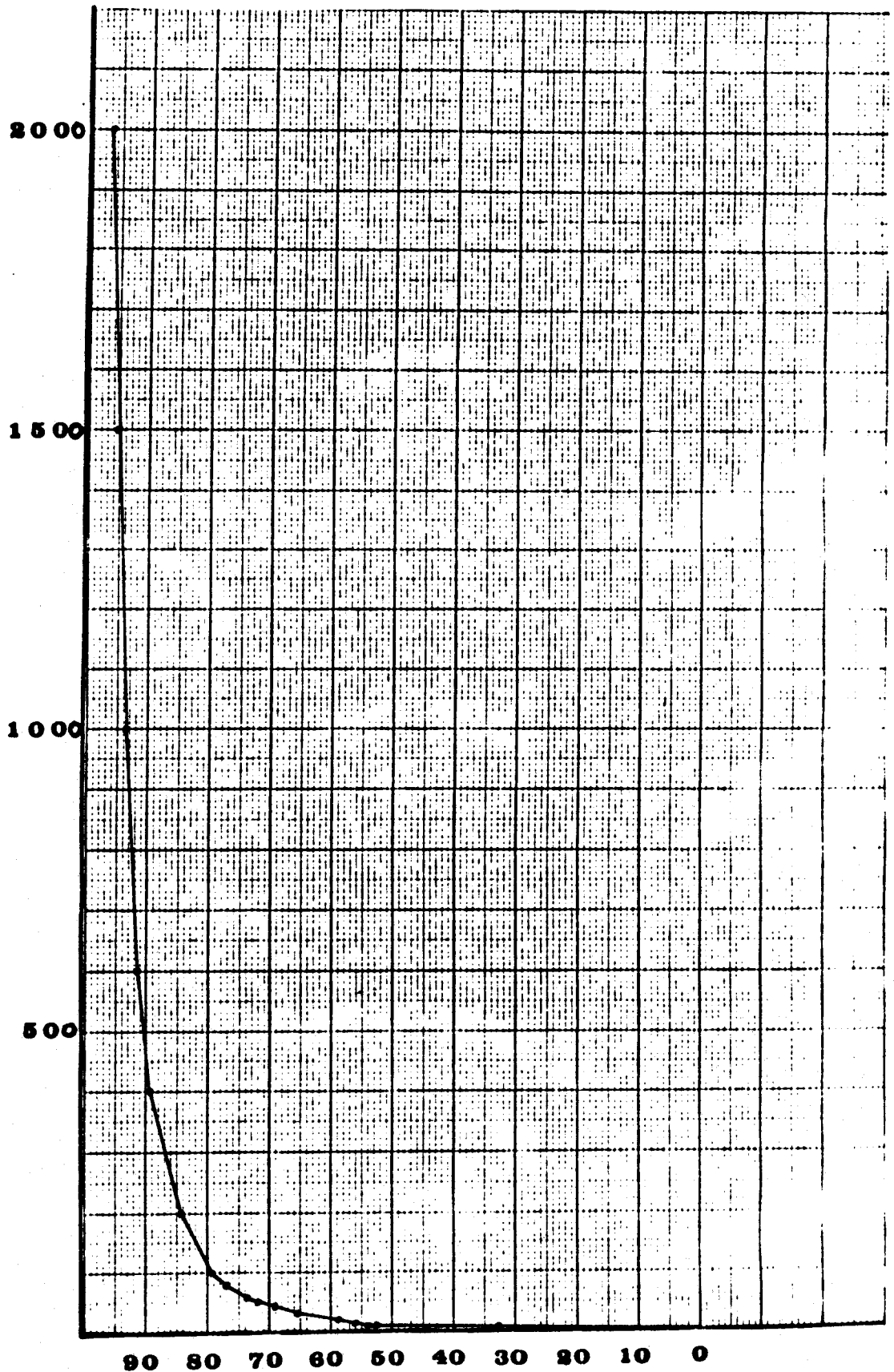
ϕ : 26.7 %

Core No.:

Depth: Plan No. 101V
1859.25 m

K: mD

P_o psi.



Date: 4/9.78

Capillary Pressure Measurement

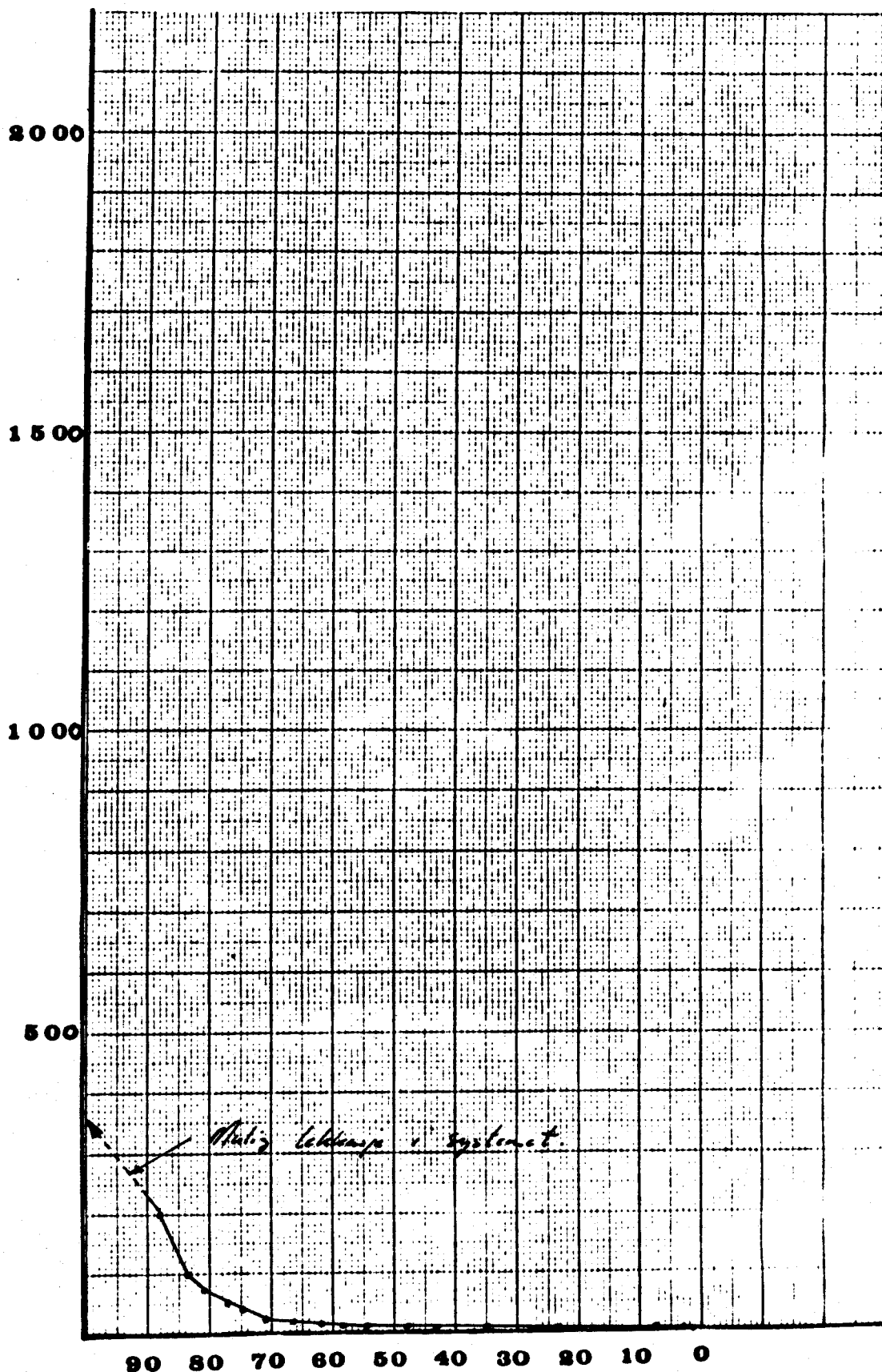
ϕ : 34.9 %

Core No.: 7

Depth: 744 No 116H
1870.95 m

K: mD

P_o psi.



INDICATED PRESS (psi)	CORRECTED PRESS (psi)	INDICATED VOL Hg (cc)	P-V CORRECTED (cc)	μ (microns)	Hg SATURATION %	INDICATED PRESS (psi)	CORRECTED PRESS (psi)	VOL	PV CORR	μ (microns)	Hg SAT %
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.063	.010	38.103	1.5	5	5.8	1.072	0.024	18.394	32.2
3	3.8	0.118	.015	29.076	2.9	10	10.8	1.623	0.038	7.877	57.5
4	4.8	0.284	.020	22.227	7.4	12	12.8	1.669	0.040	8.335	54.0
5	5.8	0.858	.024	18.394	23.3	15.2	16.0	1.747	0.049	6.668	56.2
6	6.8	1.288	.026	15.689	35.2	20	20.8	1.824	0.050	5.129	58.8
7	7.8	1.577	.029	13.678	43.2	30	30.8	2.020	0.056	3.464	65.4
8	8.8	1.749	.030	12.124	48.0	40	40.8	2.155	0.063	2.615	67.3
10	10.8	1.988	.038	9.877	54.4	50	50.8	2.234	0.064	2.100	71.7
12	12.8	2.125	.040	8.335	58.2	60	60.8	2.296	0.070	1.755	73.7
15.2	16.0	2.275	.049	6.668	62.1	80	80.8	2.400	0.076	1.320	77.0
20	20.8	2.432	.050	5.129	66.5	100	100.8	2.473	0.080	1.058	79.3
30	30.8	2.595	.056	3.464	70.9	200	200.8	2.648	0.102	0.531	84.3
40	40.8	2.738	0.063	2.615	74.7	400	400.8	2.820	0.136	0.266	89.2
50	50.8	2.822	.064	2.100	77.0	600	600.8	2.913	0.155	0.178	91.4
75	75.8	2.978	.075	1.407	81.0	1000	1000.8	3.028	0.205	0.107	93.5
100	100.8	3.072	.080	1.058	83.5	1500	1500.8	3.138	0.264	0.071	95.2
200	200.8	3.248	.102	0.531	87.9	2000	2000.8	3.238	0.320	0.053	96.7

MILE # 116 $Hg = 6.731$
 $Va = 10.214$
 $PV = 3.583$
 (5) $\mu = 34.9$
 (1) CHECK (0.314)

SAMPLE # 1011 $Vg = 8.306$
 $Va = 11.2$
 (5) $VP = 3.07$
 11.22

Date: 1/9.70

Capillary Pressure Measurement

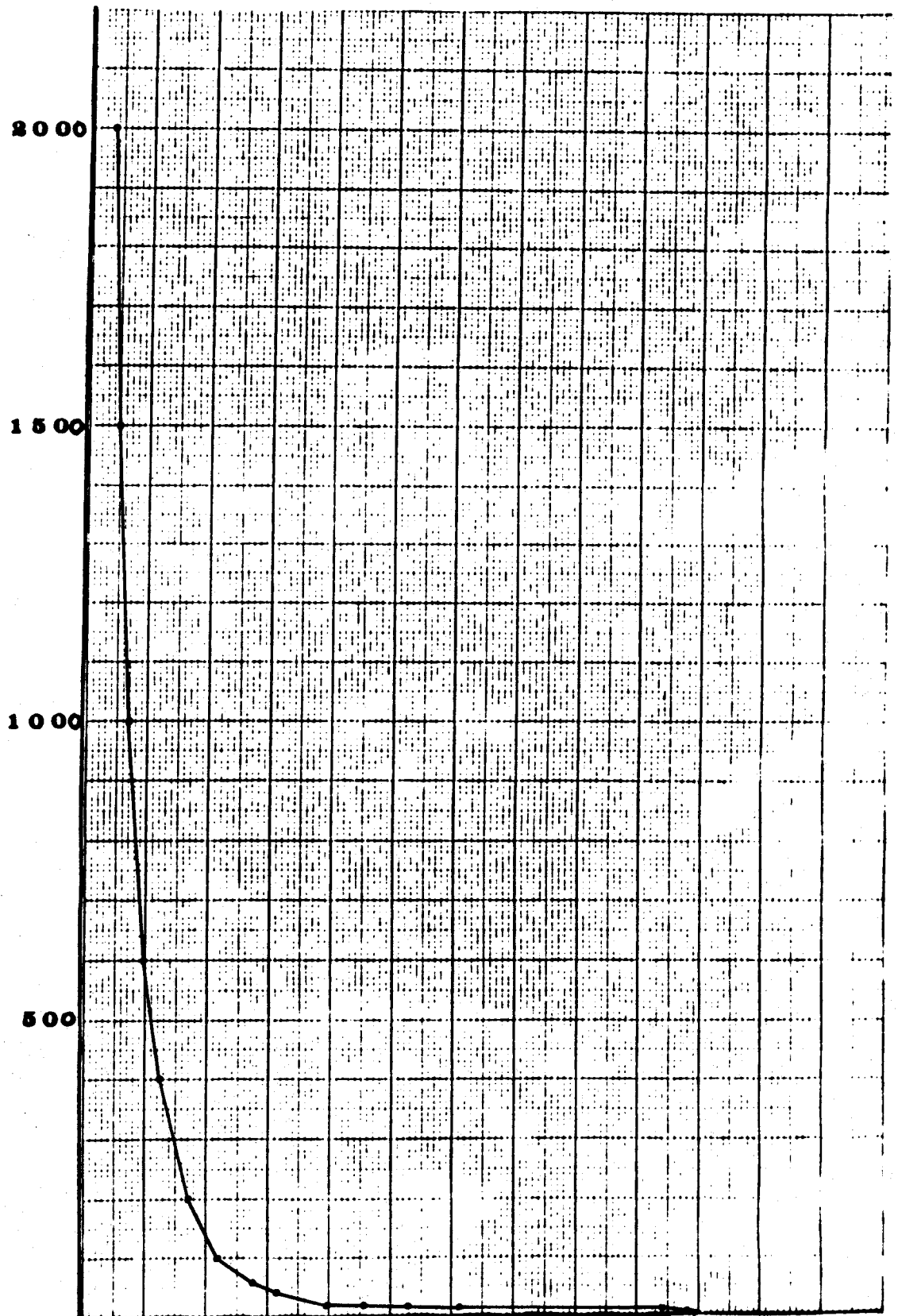
ϕ : 34.0 %

Core No.: 7

Phase No 122V
Depth: 1873.30 m

K: mD

P_o psi.



INDICATED CORRECTED INDICATED VOL P-V						INDICATED CORRECTED VOL PV CORR					
PRES. (psi)	PRES. (psi)	Hg (cc)	CORRECTED (cc)	r _c (microns)	Hg ATTENUATION %	PRES. (psi)	PRES. (psi)	VOL	PV CORR	r _c (microns)	Hg SAT %
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.038	.010	38.103	.7						
4	4.8	0.065	.015	22.227	1.2						
6	6.8	0.094	.026	15.689	1.7						
8	8.8	0.268	.030	12.124	5.9						
10	10.8	1.578	.030	9.877	30.3						
12	12.8	1943	.040	8.335	47.3						
15.2	16.0	2.238	.049	6.668	54.4						
20	20.8	2473	.050	5.129	60.2						
40	40.8	2.818	.063	2.615	68.4						
60	60.8	3.006	.070	1.755	72.7						
100	100.8	3.220	.080	1.058	78.0						
200	200.8	3.435	.102	0.531	82.8						
400	400.8	3.663	.136	0.266	87.6						
600	600.8	3.790	.155	0.178	90.3						
1000	1000.8	3.955	.205	0.107	93.1						
1500	1500.8	4.092	.264	0.071	95.1						
2000	2000.8	4.200	.320	0.053	96.4						

SAMPLE #
122V

V_c = 7.781
V_a = 11.807
V₀ =

(5) φ = 34.0
(2) CRACK (11.770)

SAMPLE #

V_c =

(5)

SAMPLE #

122V

V₀ = 7.781

V₁ = 11.807

V_P = 4.076

(5)

φ = 34.0

(12) CHECK (11.770)

SAMPLE #

V₀ =

(5)

11.807

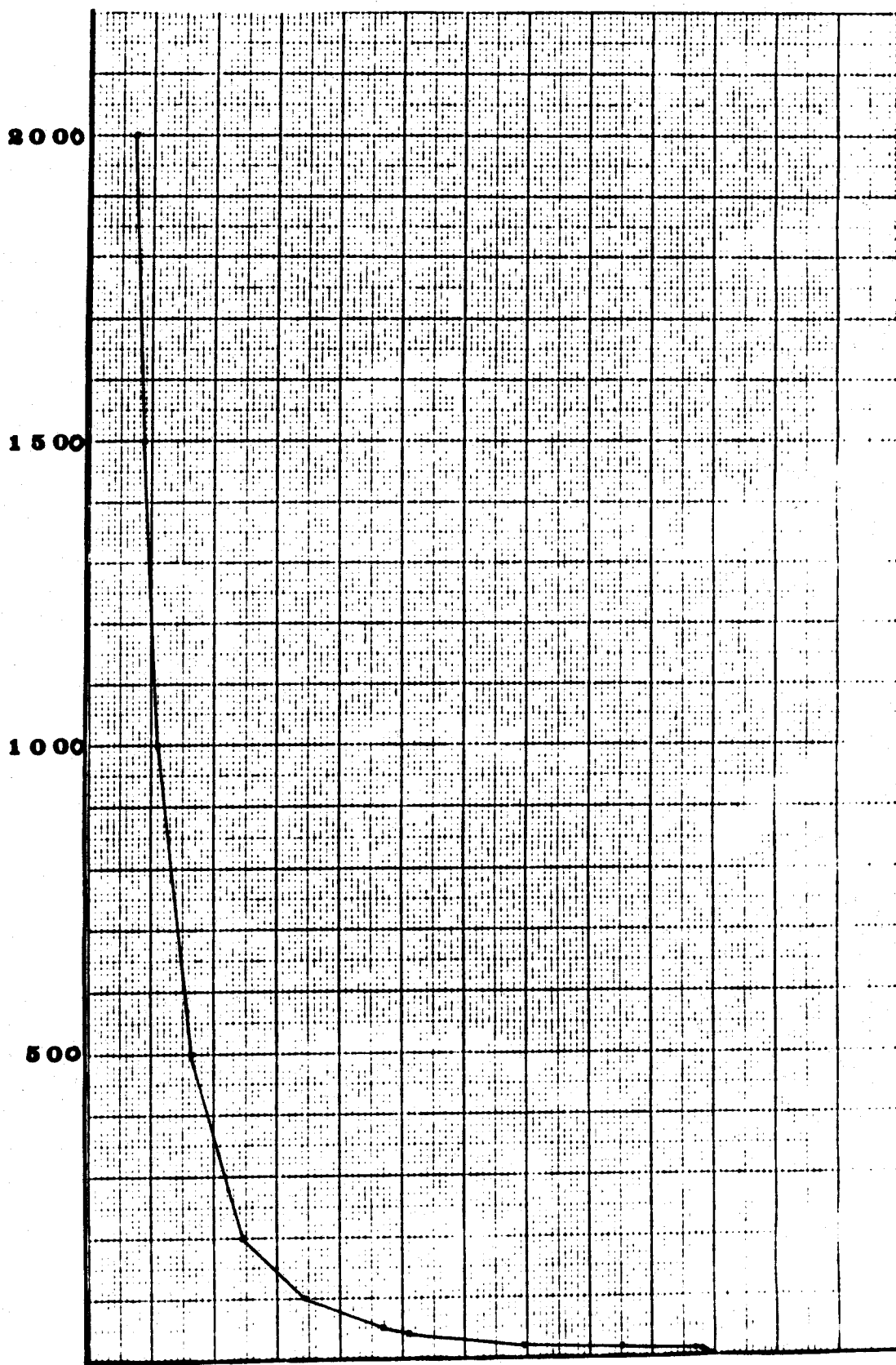
Capillary Pressure Measurement

ϕ : 27.7 %

Core No.: *Fluc No. 180V*
Depth: 1877.40

K: mD

P_o psi.



DATE: 1/9.78

Capillary Pressure Measurement

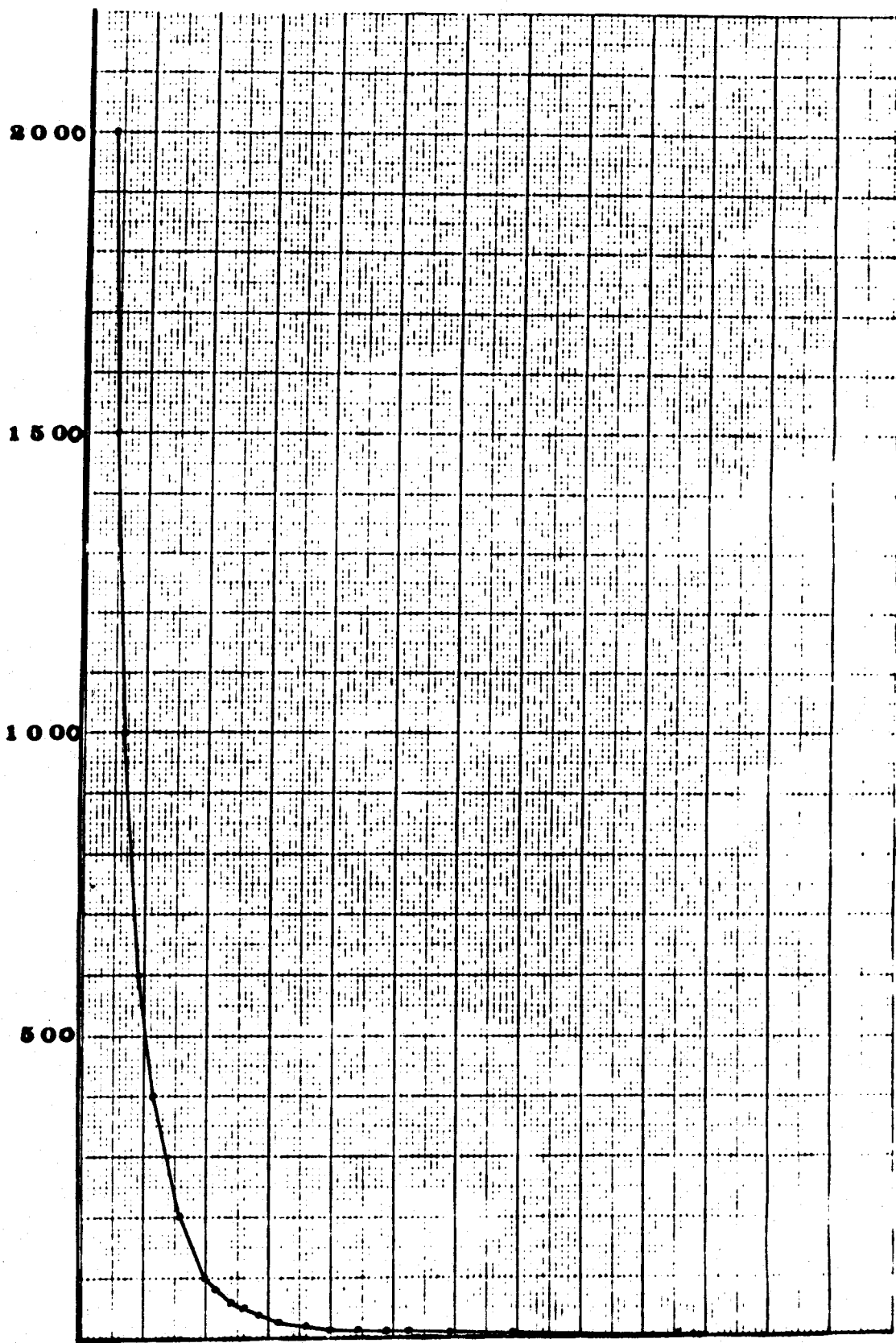
ϕ : 35.3 %

Core No.: 8

Depth: Rel No 146V
1883.95 m

K: mD

P_o psi.



INDICATED CORRECTED INDICATED VOL. P-V PRES. (psi) PRES. (psi) Hg (cc) CORRECTED (cc) r _c (microns) Hg ATTENUATION %						INDICATED CORRECTED VOL. PV CORR. r _c Hg PRES. (psi) PRES. (psi) (microns) SAFETY %						
(A)	(1)	(B)	(C)	(3)	(2)	STD 7 = 0.8 STD 6 = V _B STD 5 = V _A STD 4 = 100	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.047	.010	38.103	1.0							
4	4.8	0.092	.020	22.227	1.9							
6	6.8	0.205	.026	15.689	4.6							
7	7.8	1.225	0.029	13.679	30.8							
8	8.8	1.627	.030	12.124	41.1							
9	9.8	1.884	.034	10.887	47.6							
10	10.8	2.028	.038	9.879	51.2							
12	12.8	2.208	.040	8.335	53.7							
15.2	16.0	2.397	.049	6.668	60.4							
20	20.8	2.536	.050	5.129	63.7							
30	30.8	2.718	.056	3.464	68.4							
40	40.8	2.884	.063	2.615	72.0							
50	50.8	2.947	.064	2.100	74.1							
60	60.8	3.028	.070	1.751	76.1							
80	80.8	3.130	.076	1.320	78.5							
100	100.8	3.199	.090	1.058	80.2							
200	200.8	3.380	.102	0.531	84.3							
400	400.8	3.580	.136	0.266	88.6							
600	600.8	3.688	.153	0.178	90.8							
1000	1000.8	3.840	.205	0.107	93.5							
1500	1500.8	3.968	.264	0.071	95.2							
2000	2000.8	4.063	.320	0.053	96.2							

SAMPLE # 146V
 V_c = 7.131
 V_A = 11.020
 3.889
 (5) $\phi = 85.3$
 (2) CHECK (11.027)

SAMPLE # V_c = (5)

Capillary Pressure Measurement

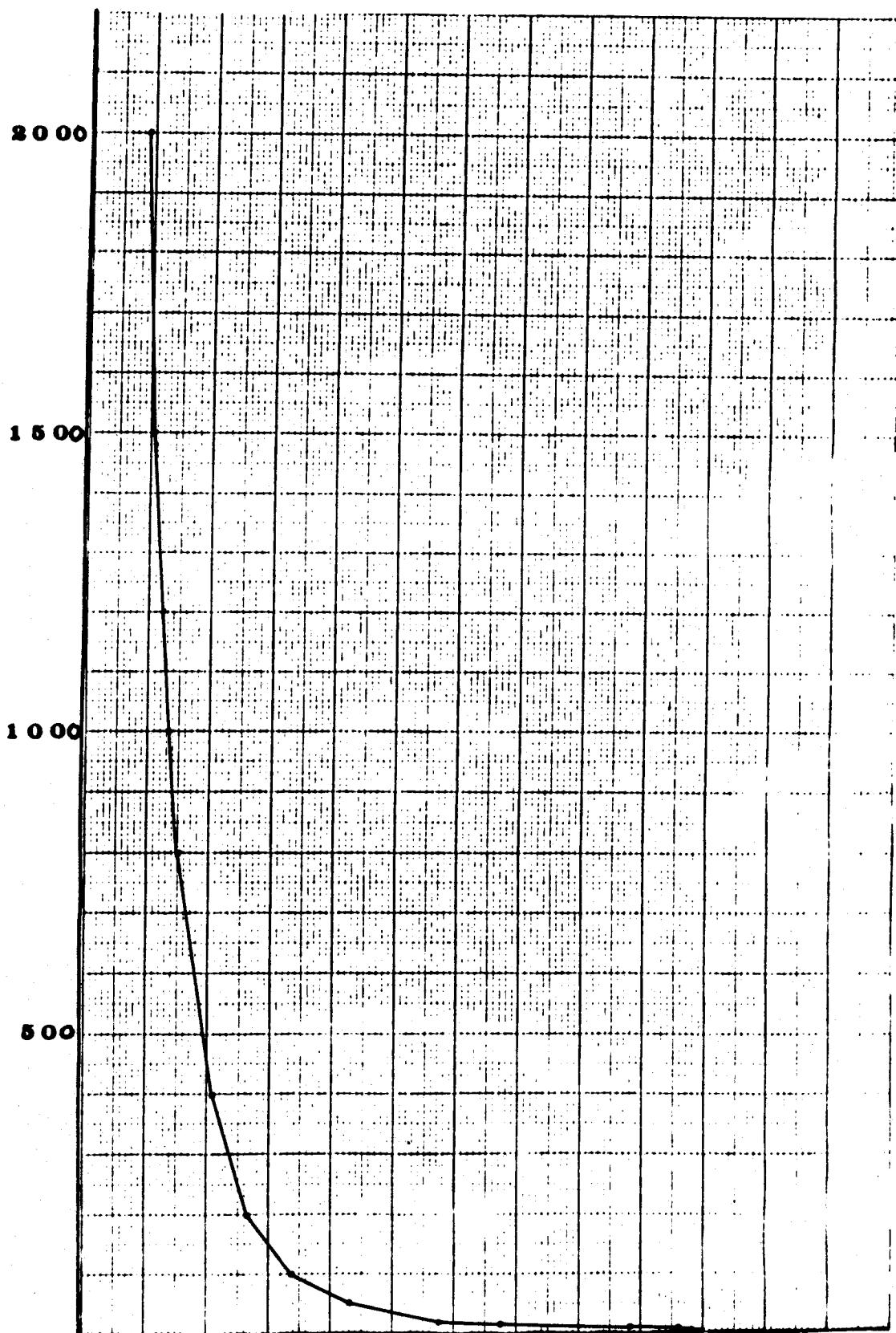
ϕ : 30.4 %

Core No.:

Plan No. 135V
Depth: 1073 55' m

K: mD

P_o psi.



4/9 78

INDICATED PRESS (psi)	CORRECTED PRESS (psi)	INDICATED VOL (cc)	CORRECTED VOL (cc)	TEMP (°C)	TEMP (°F)	WATER VAPOR CORRECTION	INDICATED PRESS (psi)	CORRECTED PRESS (psi)	INDICATED VOL (cc)	CORRECTED VOL (cc)	TEMP (°C)	TEMP (°F)	WATER VAPOR CORRECTION
(A)	(1)	(B)	(C)	(3)	(2)		(A)	(1)	(B)	(C)	(3)	(2)	
2	2.8	0.045	0.010	38.103	1.0		2	2.8	0.042	0.010	38.103	.8	
4	4.8	0.075	0.020	22.227	1.5		4	4.8	0.077	0.020	22.227	1.4	
6	6.8	0.098	0.026	15.689	2.0		6	6.8	0.105	0.026	15.689	2.0	
10	10.8	0.173	0.038	9.879	3.7		10	10.8	0.175	0.038	9.879	22.9	
12	12.8	0.206	0.040	8.335	11.8		12	12.8	1.733	0.040	8.335	40.5	
16	16.8	1.220	0.049	6.668	32.5		16	16.8	2.150	0.049	6.668	50.3	
20	20.8	1.154	0.050	5.129	41.7		20	20.8	2.440	0.050	5.129	57.2	
50	50.8	2.125	0.064	2.100	57.1		50	50.8	2.930	0.064	2.100	68.8	
100	100.8	2.470	0.080	1.058	66.3		100	100.8		0.080	1.058	75.3	
200	200.8	2.758	0.102	0.531	73.6		200	200.8	3.478	0.102	0.531	80.8	
400	400.8	2.985	0.136	0.266	79.0		400	400.8	3.600	0.136	0.266	85.0	
800	800.8	3.240	0.180	0.133	84.8		800	800.8	3.700	0.180	0.133	91.0	
1000	1000.8	3.328	0.205	0.102	86.6		1000	1000.8	4.010	0.205	0.102	91.1	
1200	1200.8	3.395	0.230	0.089	87.7		1200	1200.8	4.075	0.230	0.089	92.1	
1500	1500.8	3.487	0.264	0.071	89.4		1500	1500.8	4.155	0.264	0.071	93.2	
2000	2000.8	3.600	0.320	0.053	90.9		2000	2000.8	4.260	0.320	0.053	94.3	

MPLE # 155V
 $V_c = 0.261$
 $V_R = 11.868$
 $V_P = 3.607$
 (5) CHECK (11/942)

SAMPLE # 161V
 $V_c = 7.000$
 $V_R = 12.057$
 $V_P = 4.171$
 (5) 12.042

Capillary Pressure Measurement

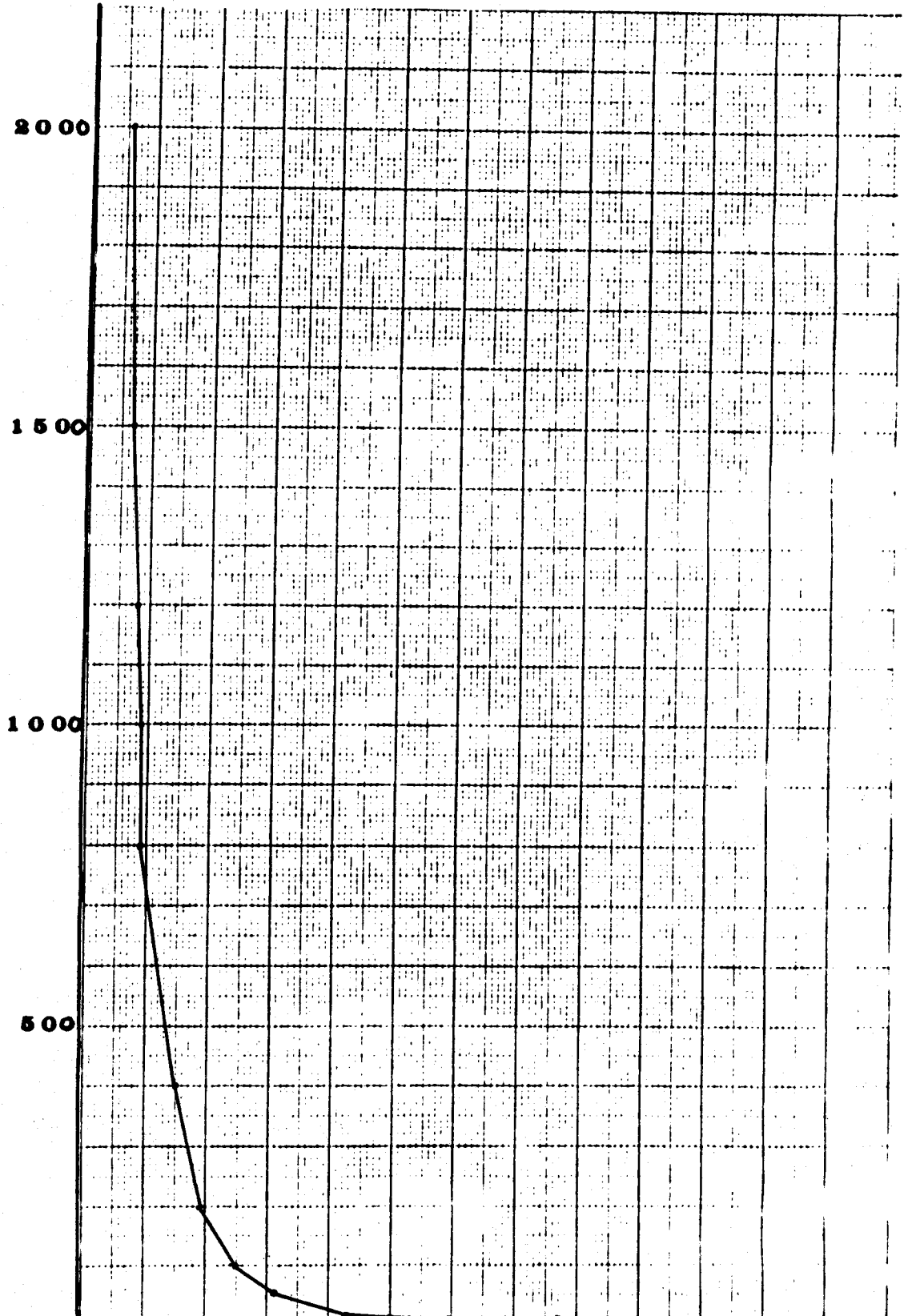
ϕ : 34.1 %

Core No.:

Depth: 1904.45 m
P₂₄₄ No. 161V

K: mD

P_o p.s.i.



Capillary Pressure Measurement

ϕ : 31.3 %

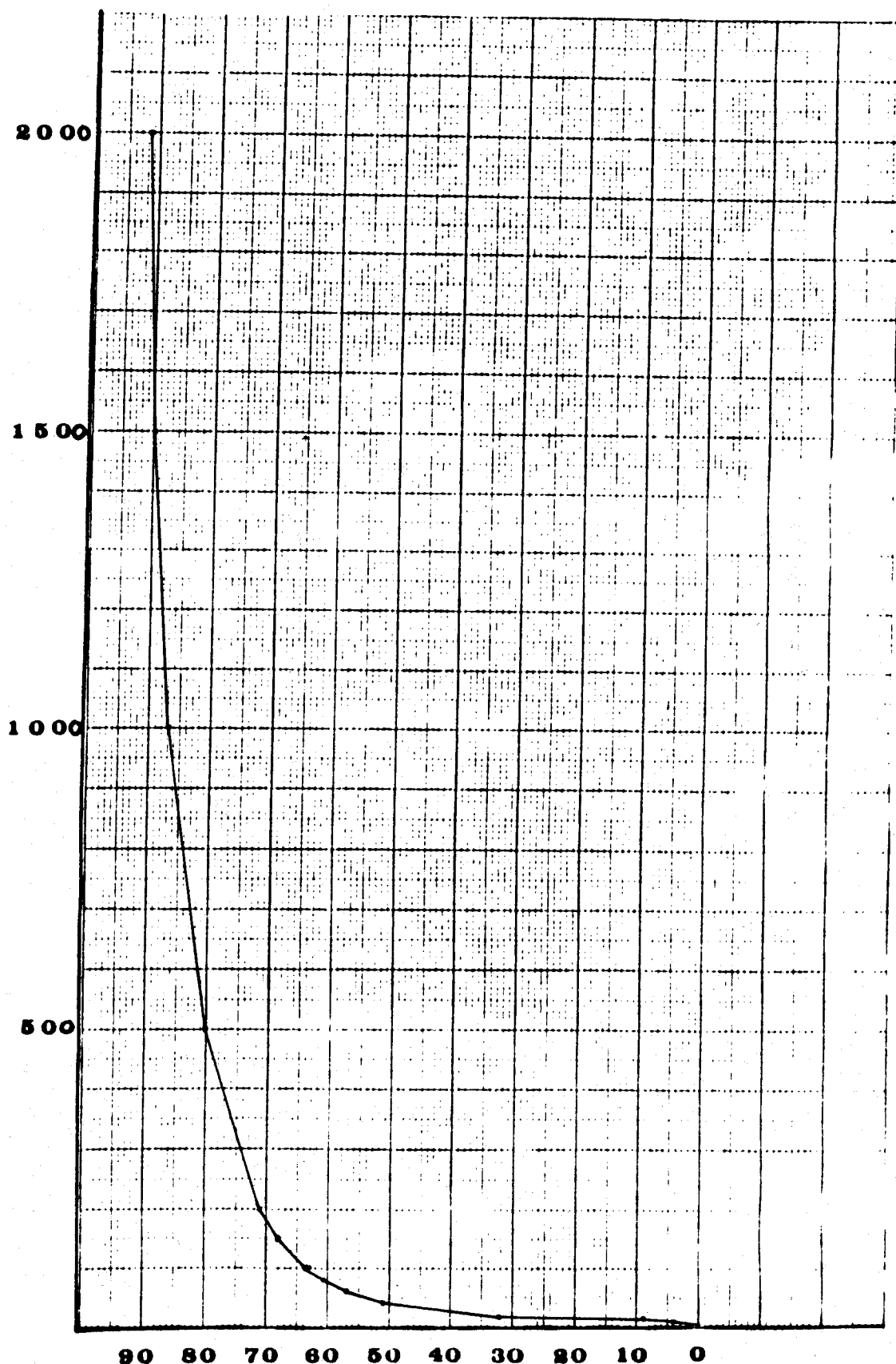
Core No.:

Depth: Flu No. 178V
1910.80 m

K:

mD

P_o psi.



Capillary Pressure Measurement

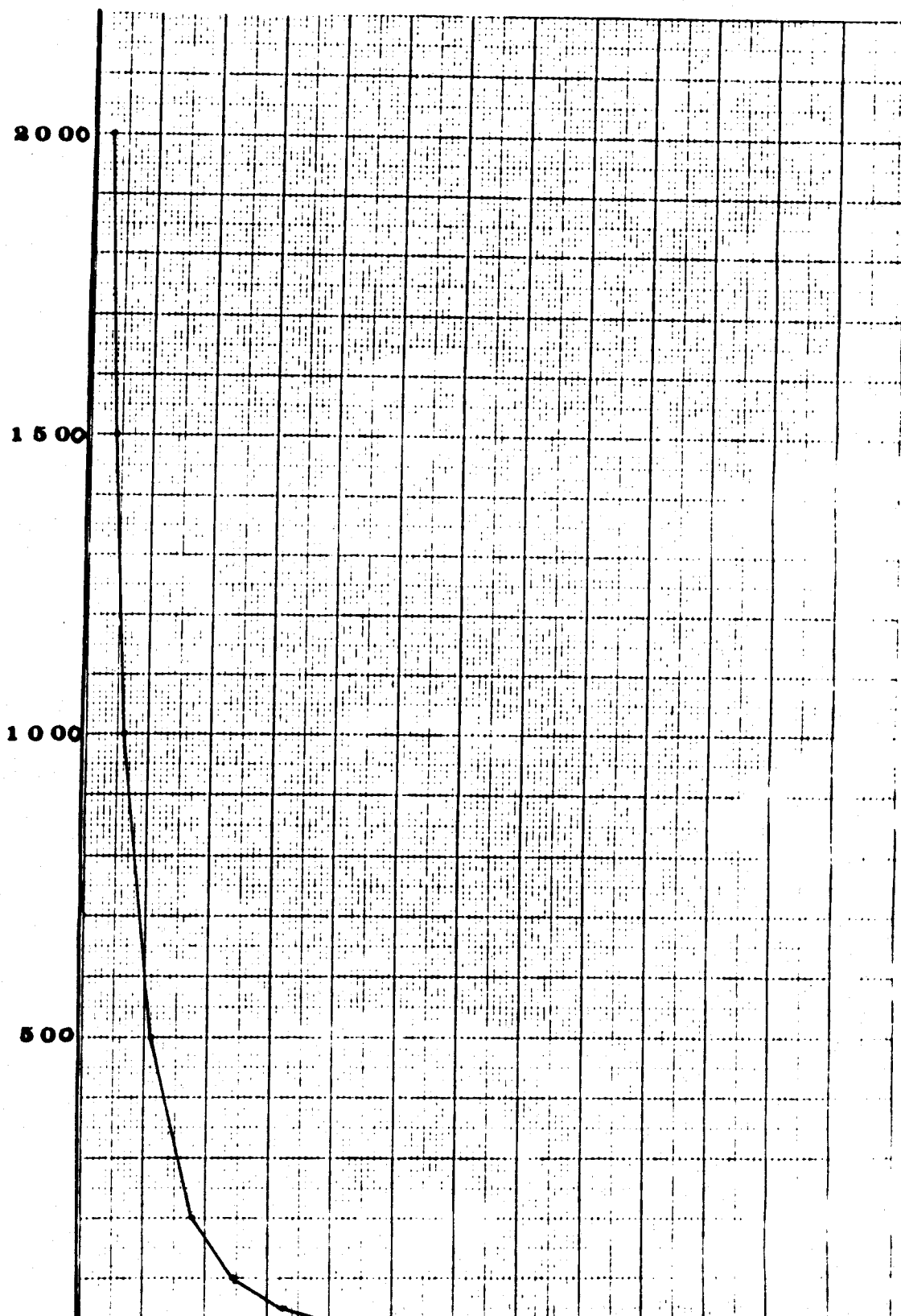
ϕ : 33.3 %

Core No.:

Depth: 1915.00 m

K: mD

P_o psi.



INDICATED PRESS. (psi)	CORRECTED PRESS. (psi)	INDICATED VOL. H ₂ (cc)	P-V CORRECTED (cc)	TEMP. (°C)	H ₂ ACTUAL (g)	STANDARD VOLUMES
(A)	(1)	(B)	(C)	(3)	(2)	ST07 = 0.8 ST06 = V _B ST05 = V _A ST04 = 100 ST03 = 106.68
2	2.8	0.037	.010	38.103	.7	
6	6.8	0.085	.026	15.689	1.6	
10	10.8	0.185	.038	7.879	3.9	
12	12.8	0.775	.040	8.335	19.7	
13	13.8	1.230	.043	7.731	31.7	
15.2	16	1.670	.049	6.668	43.6	
20	20.8	2.040	.050	5.129	53.5	
30	30.8	2.300	.056	3.464	60.3	
50	50.8	2.575	.064	2.100	67.5	
100	100.8	2.892	.080	1.058	75.6	
200	200.8	3.160	.102	0.531	82.2	
500	500.8	3.452	.140	0.213	89.1	
1000	1000.8	3.705	.205	0.107	94.0	
1500	1500.8	3.844	.264	0.071	96.2	
2000	2000.8	3.945	.320	0.053	97.4	

INDICATED PRESS. (psi)	CORRECTED PRESS. (psi)	VOL. H ₂ (cc)	P-V CORRECTED (cc)	TEMP. (°C)	H ₂ ACTUAL (g)
(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.034	.010	38.103	.7
6	6.8	0.075	.026	15.689	1.5
10	10.8	0.110	.038	7.879	2.2
12	12.8	0.147	.040	8.335	3.2
15.2	16.0	0.537	.049	6.668	14.8
20	20.8	1.060	.050	5.129	20.5
40	40.8	1.684	.063	2.615	49.0
50	50.8	1.826	.064	2.100	53.3
100	100.8	2.250	.080	1.058	65.6
200	200.8	2.597	.102	0.531	75.4
500	500.8	2.906	.140	0.213	83.6
1000	1000.8	3.145	.205	0.107	88.9
1500	1500.8	3.284	.264	0.071	91.3
2000	2000.8	3.390	.320	0.053	92.8

S# 190V
 V_c = 7.558
 V_A = 11.280
 V_P = 3.722
 (5) CHECK (11.280)
 φ = 33.3

SAMPLE # 130V
 V_c = 8.031
 V_A = 11.938
 V_P = 3.307
 (5) 11.938
 φ = 27.7

Capillary Pressure Measurement

ϕ : 28.2 %

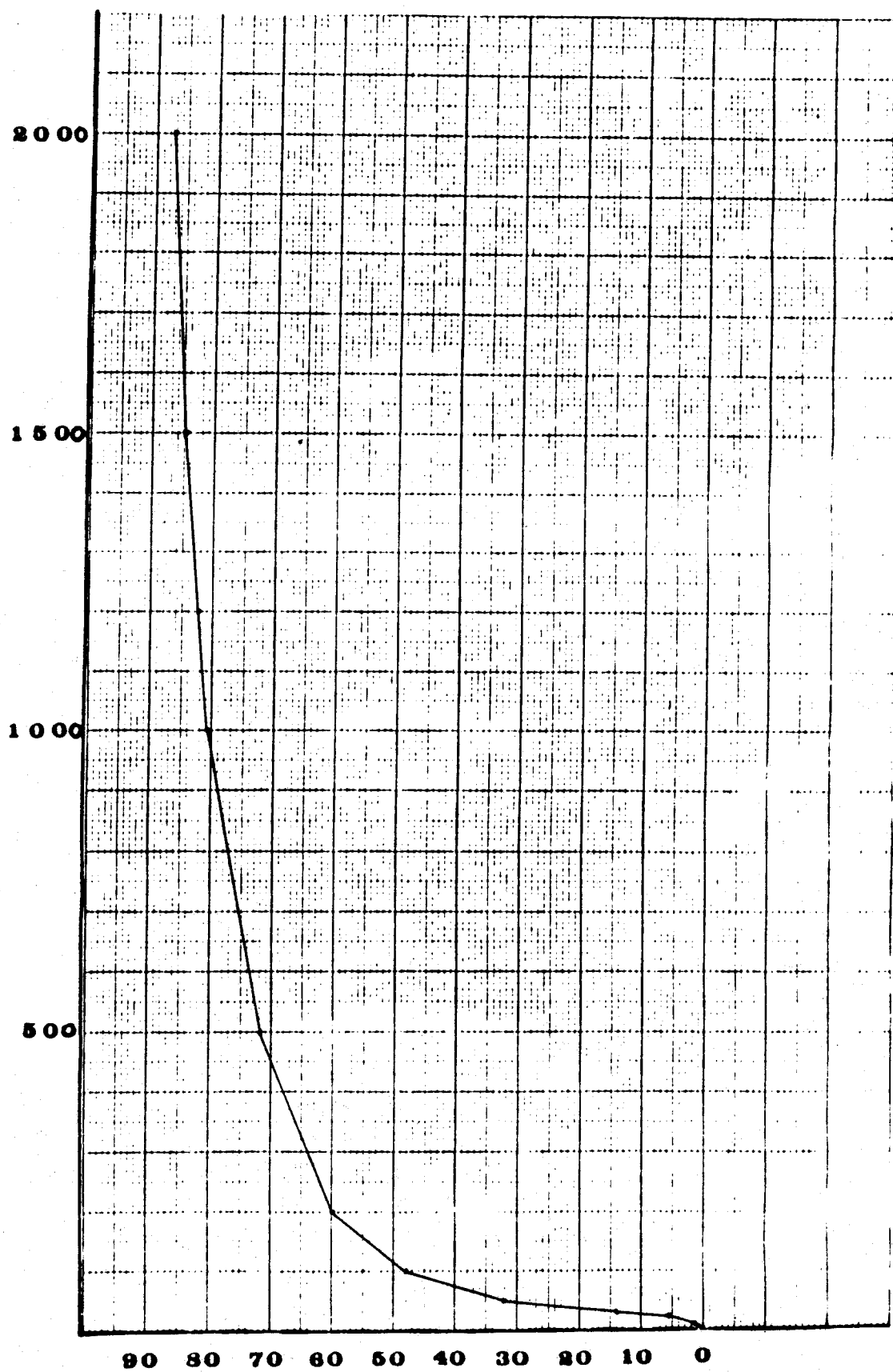
Core No.:

Depth: Plug No. 201V
1919.45 m

K:

mD

P_o p.s.i.



Capillary Pressure Measurement

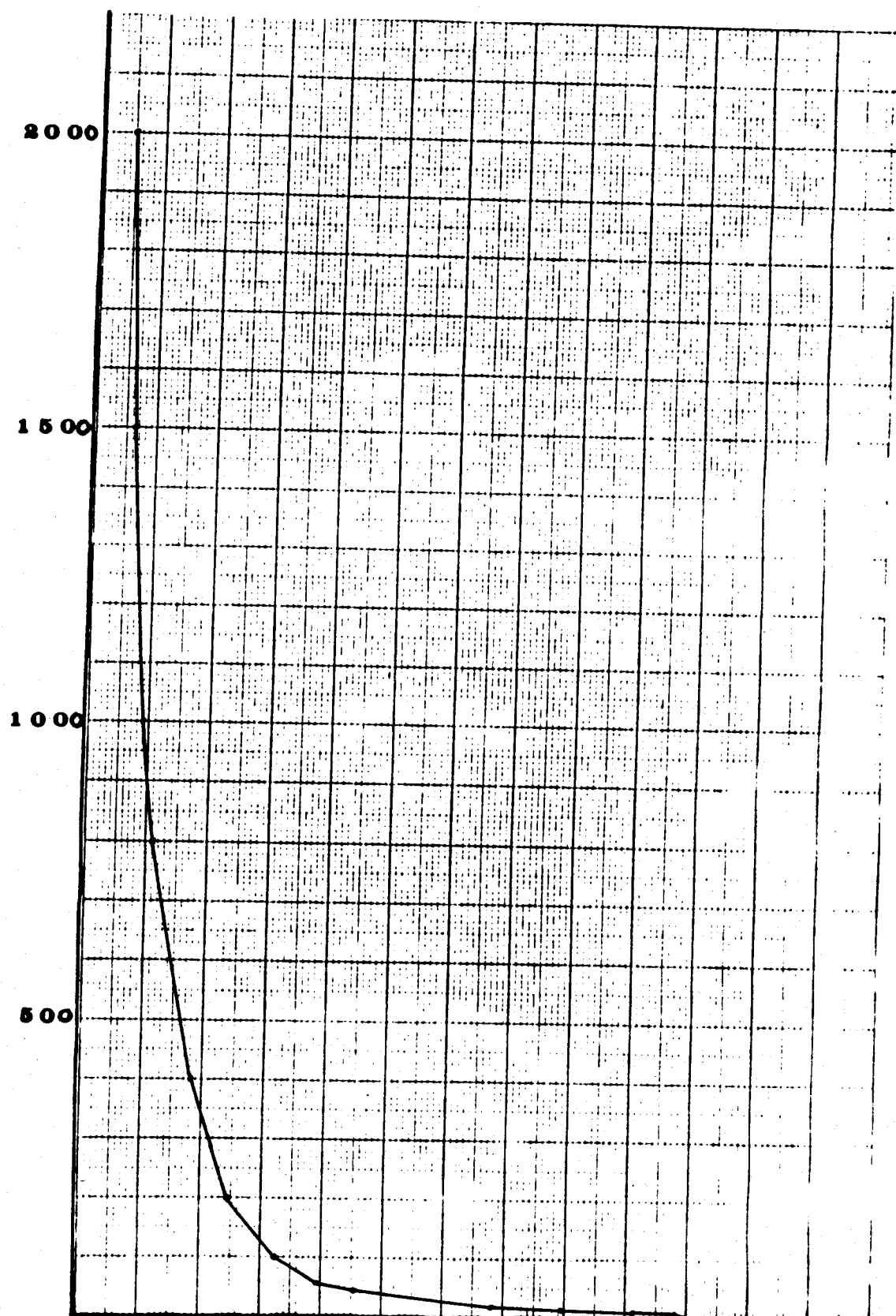
ϕ : 34.0 %

Core No.:

Depth: Plac No 210 V
1925.00 m

K: mD

P_o psi.



7-78

INDICATED PRESS (psi)	CORRECTED PRESS (psi)	TEMP (°C)	TEMP (°F)	REL HUMIDITY (%)	WATER VAPOR PRESS (psi)	WATER VAPOR PRESS (psi)
(A)	(1)	(B)	(C)	(3)	(2)	(2)
2	2.8	0.030	.010	38.103	.5	
4	4.8	0.058	.020	22.227	.9	
6	6.8	0.085	.026	15.689	1.2	
8	8.8	0.096	.030	12.124	1.5	
10	10.8	0.124	.038	9.879	2.0	
12	12.8	0.400	.040	8.335	8.7	
15.2	16.0	0.910	.049	6.668	20.4	
20	20.8	1.400	.050	5.129	32.0	
40	42.8	2.300	.063	2.615	54.6	
60	60.8	2.630	.070	1.755	60.7	
100	100.8	2.960	.080	1.058	67.6	
200	200.8	3.207	.102	0.531	75.5	
400	400.8	3.505	.136	0.266	81.7	
800	800.8	3.730	.180	0.133	88.9	
1000	1000.8	4.033	.205	0.107	90.7	
1500	1500.8	4.207	.264	0.071	93.5	
2000	2000.8	4.300	.320	0.053	95.0	

INDICATED PRESS (psi)	CORRECTED PRESS (psi)	TEMP (°C)	TEMP (°F)	REL HUMIDITY (%)	WATER VAPOR PRESS (psi)	WATER VAPOR PRESS (psi)
(A)	(1)	(B)	(C)	(3)	(2)	(2)
2	2.8	0.030	.010	38.103	.7	
4	4.8	0.062	.020	22.227	1.1	
6	6.8	0.090	.026	15.689	1.7	
8	8.8	0.125	.030	12.124	4.3	(7.9)
10	10.8	0.340	.034	9.879	11.8	(10.007)
12	12.8	0.491	.038	8.335	18.6	
15.2	16.0	0.757	.040	6.668	26.1	
20	20.8	1.059	.049	5.129	33.7	
40	40.8	1.360	.050	2.615	47.7	
60	60.8	1.704	.066	2.100	58.7	
100	100.8	2.344	.080	1.058	68.5	
200	200.8	2.743	.102	0.531	76.2	
400	400.8	3.075	.136	0.266	81.7	
600	600.8	3.305	.155	0.178	84.9	
800	800.8	3.454	.180	0.133	86.9	
1000	1000.8	3.555	.205	0.107	87.7	
1500	1500.8	3.733	.264	0.071	91.8	
2000	2000.8	3.800	.320	0.053		

210V
 V_c = 1.0
 V_B = 1.0
 (5) 34.0
 (R) CHECK (12.410)

SAMPLE # 225V
 V_c = 0.235
 V_B = 3.857
 (5) 31.9
 (R) 6.12

Capillary Pressure Measurement

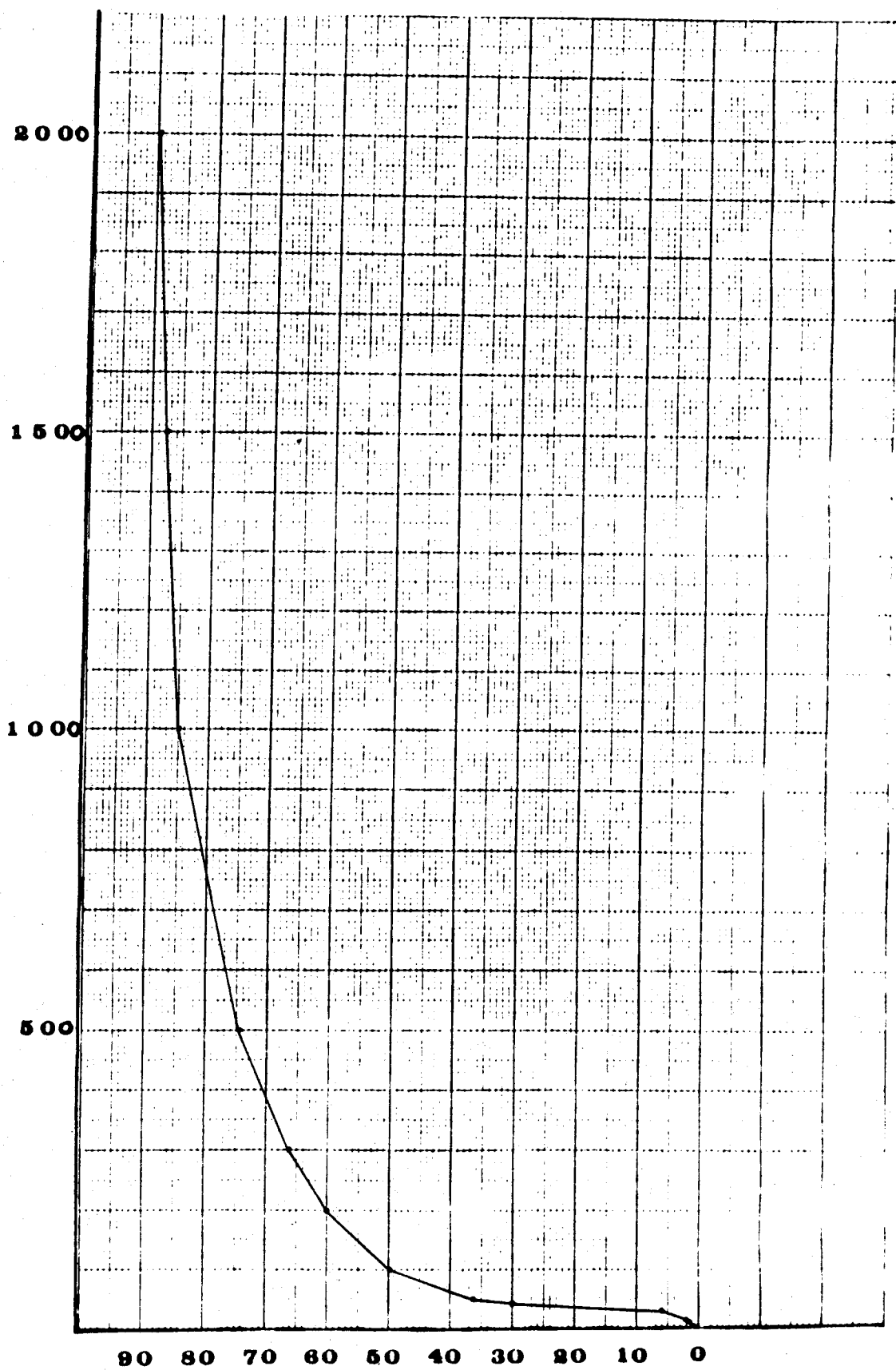
ϕ : 28.9 %

Core No.:

Depth: Plac No. 221V
1929.75 m

K: mD

P_o p.s.i.



12/7-78

INDICATED PRESS (psi) CORRECTED PRESS (psi) Hg (cc) P-V CORRECTED (cc) (microns) Hg ATTENUATION %						INDICATED PRESS (psi) CORRECTED PRESS (psi) Vol PV CORR % Hg SAT %					
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.025	.010	38.103	.4	2	2.8	0.020	.010	38.103	.6
6	6.8	0.062	.026	15.689	1.1	6	6.8	0.055	.026	15.689	1.8
12	12.8	0.085	.040	8.335	1.3	12	12.8	0.082	.040	8.335	2.7
15.2	16.0	0.095	.049	6.668	1.4	15.2	16.0	0.115	.049	6.668	4.2
20	20.8	0.113	.050	5.129	1.9	20	20.8	0.187	.050	5.129	8.7
30	30.8	0.256	.056	3.464	5.9	40	40.8	0.357	.063	2.615	18.6
40	40.8	1.075	.063	2.615	29.8	60	60.8	0.475	.070	1.755	25.6
50	50.8	1.295	.064	2.100	36.2	100	100.8	0.626	.080	1.058	34.5
100	100.8	1.770	.080	1.058	49.7	200	200.8	0.785	.102	0.531	43.2
200	200.8	2.142	.102	0.531	60.0	400	400.8	1.025	.136	0.266	56.2
300	300.8	2.370	.119	0.355	66.2	600	600.8	1.105	.155	0.178	65.1
500	500.8	2.673	.140	0.213	74.5	800	800.8	1.273	.180	0.133	70.4
1000	1000.8	3.085	.205	0.107	84.7	1000	1000.8	1.375	.205	0.107	74.0
1500	1500.8	3.236	.264	0.071	87.4	1500	1500.8	1.520	.264	0.071	77.4
2000	2000.8	3.370	.320	0.053	89.7	2000	2000.8	1.620	.320	0.053	82.2

SAMPLE #

221V

V_c = 8.365

V_B = 11.765

V_P = 3.4

(5)

CHECK (11.765)

φ = 28.9

SAMPLE #

223V

V_c = 10.219

V_B = 11.800

(5)

φ = 13.4

11.800

Capillary Pressure Measurement

ϕ : 13.4 %

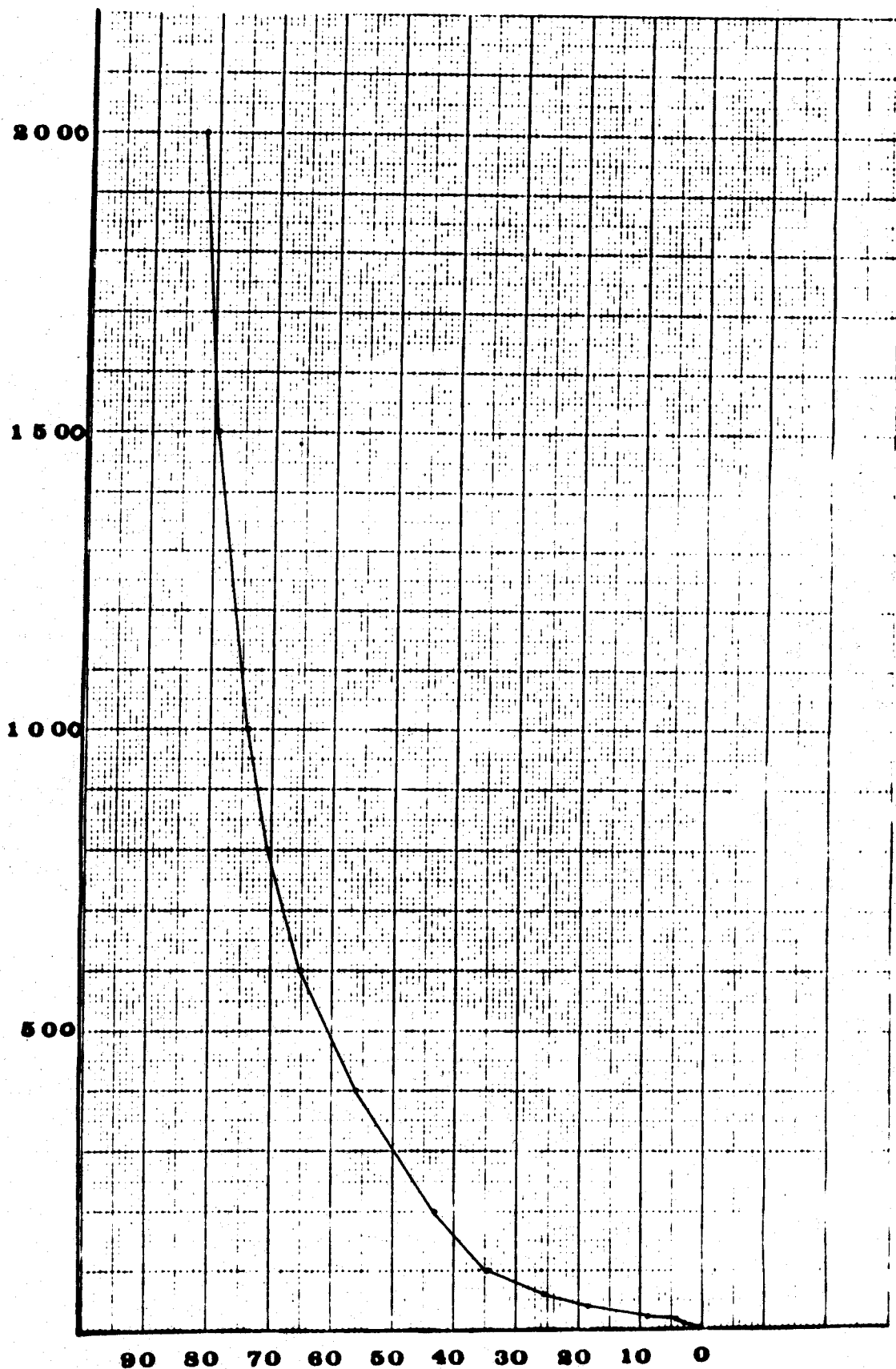
Core No.:

Depth: Plus No. 223 V
1931.85m

K:

mD

P_o psi.



17.72

Capillary Pressure Measurement

G: 30.9 %

Core No.:

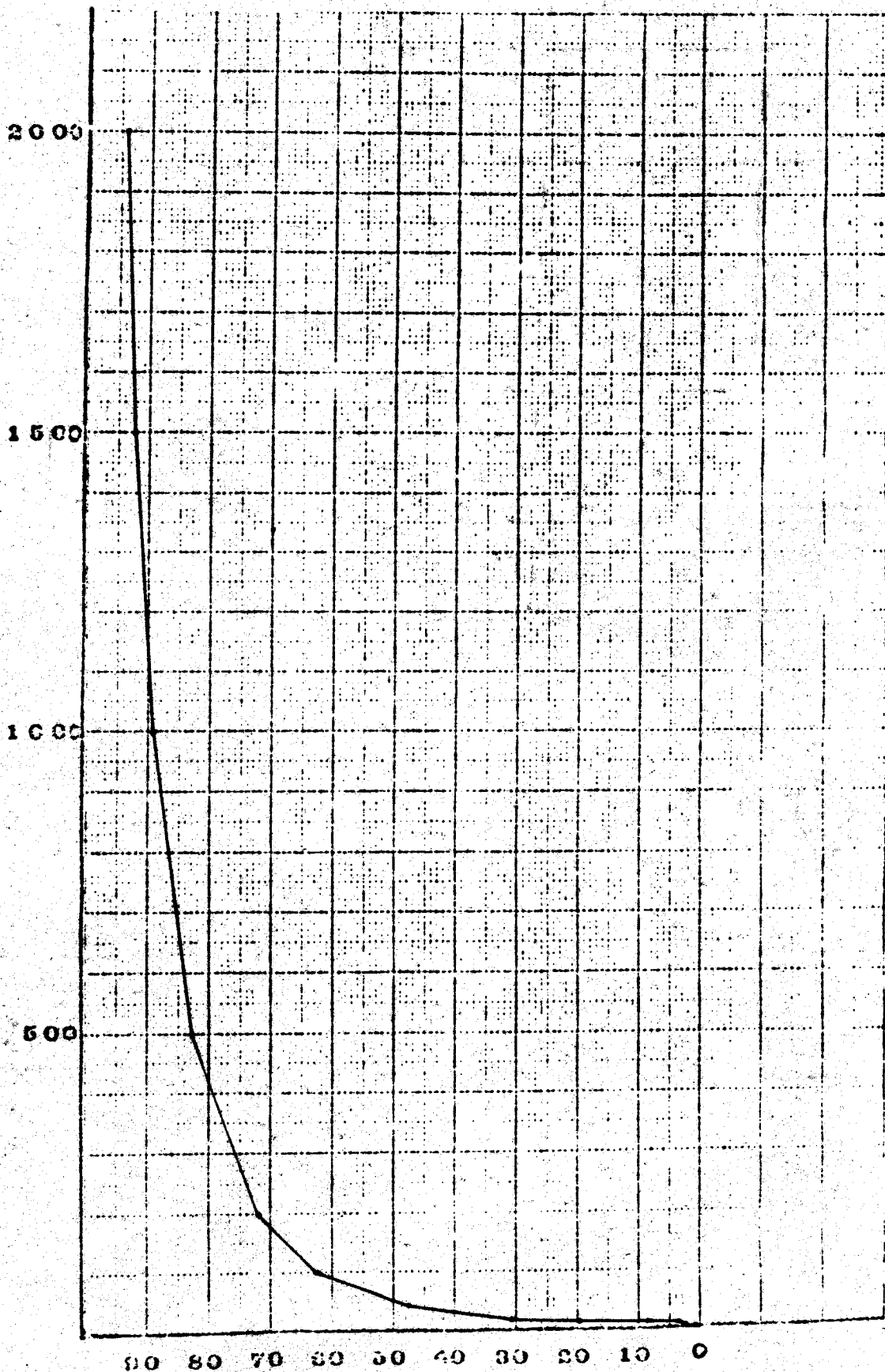
Depth:

Puc no 224V

1932.50m

R:

RED



INDICATED PRESS (psi) CORRECTED PRESS (psi) Hg (cc) CORRECTED (cc) (microns) Hg SATURATION %						INDICATED PRESS (psi) CORRECTED PRESS (psi) VOL PV CORR (microns) Hg SAT %					
(A)	(1)	(B)	(C)	(3)	(2)	(A)	(1)	(B)	(C)	(3)	(2)
2	2.8	0.028	0.010	30.103	.8						
6	6.8	0.070	.020	15.609	2.3						
10	10.8	0.113	.030	9.079	3.5						
12	12.8	0.228	.040	0.335	8.7						
15.2	16.0	0.470	.049	6.668	19.5						
20	20.8	0.712	.050	5.129	30.7						
40	40.8	1.086	.063	2.615	47.4						
100	100.8	1.426	.080	1.058	62.4						
200	200.8	1.650	.102	0.531	71.8						
500	500.8	1.923	.140	0.213	82.7						
1000	1000.8	2.132	.205	0.107	89.3						
1500	1500.8	2.255	.164	0.071	92.3						
2000	2000.8	2.345	.320	0.053	93.9						

AMPLE #

$$V_c = 4.023$$

5

$$V_B = 6.980$$

(h) CHECK (6.980)

SAMPLE #

$$V_5 =$$

5

Capillary Pressure Measurement

ϕ : 31.7 %

Core No.:

Depth: Plac No. 225-V
1932.8 m

K:

mD

P_o psi.

