

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Scarth Oil & Gas Co.	Test No.	1
Well Name & Number	Ross #5	Zone Tested	Lansing "I-J"
Company Address	901 S. Polk, Amarillo, Texas 79101	Date	10-6-85
Company Rep.	James Howell	Tester	Dell Hartwell
Contractor	Abercrombie Drilling, Inc.	Elevation	2185
Location: Sec. 3	Twp. 7s	Rge. 20w	CoRooks State Ks.
			Est. Feet of Pay

Recorder No. 10983 Type AK-1 Range 4100 PSI
 Recorder Depth 3577 Clock # 25829
 (A) Initial Hydrostatic Mud 1742 PSI
 (B) First Initial Flow Pressure 51 PSI
 (C) First Final Flow Pressure 51 PSI
 (D) Initial Shut-in Pressure 530 PSI
 (E) Second Initial Flow Pressure 71 PSI
 (F) Second Final Flow Pressure 71 PSI
 (G) Final Shut-in Pressure 530 PSI
 (H) Final Hydrostatic Mud 1670 PSI
 Temperature 105^o
 Mud Weight 9.6 Viscosity 37
 Fluid Loss 8.8
 Interval Tested 3556-3585
 Anchor Length 29
 Top Packer Depth 3551
 Bottom Packer Depth 3556
 Total Depth 3585
 Drill Pipe Size 4½" XH
 Wt. Pipe I. D. 2.7 Ft. Run 600
 Recovery-Total Feet 50

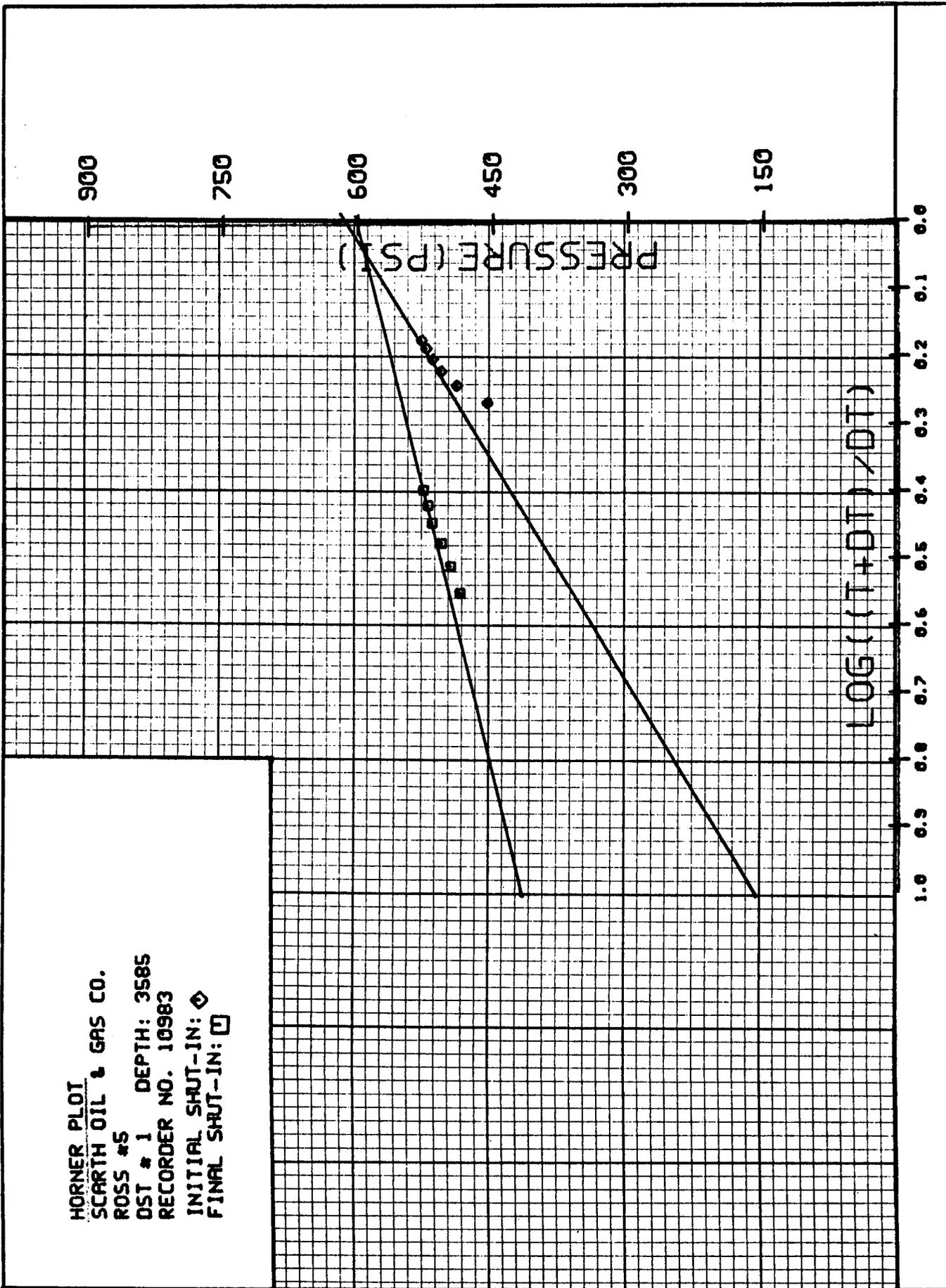
Recorder No. 13277 Type AK-1 Range 4125 PSI
 Recorder Depth 3580 Clock # 27948
 Tool Open Before I.S.I. 30 Mins.
 Initial Shut-in 60 Mins.
 Flow Period 60 Mins.
 Final Shut-in 120 Mins.
 Top Choke Size 1" Hole Size 7 7/8"
 Bottom Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 4:05 P.M.

Blow Remarks _____
 1st Open: Weak ½" Blow Throughout.
 2nd Open: Weak 1" Blow, Steady Throughout.

Recovered 50 Feet Of Oily Gas Cut Mud (30% Oil/ 20% Gas/ 50% Mud)
 Recovered 120 Feet Of Gas in Pipe
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job 550.00

HORNER PLOT
 SCARTH OIL & GAS CO.
 ROSS #5
 DST # 1 DEPTH: 3585
 RECORDER NO. 10983
 INITIAL SHUT-IN: \diamond
 FINAL SHUT-IN: \square



INITIAL SHUT-IN

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RECORDER NO: 10983 DEPTH: 3585 FT.
 INITIAL FLOW TIME (T): 30 MIN.

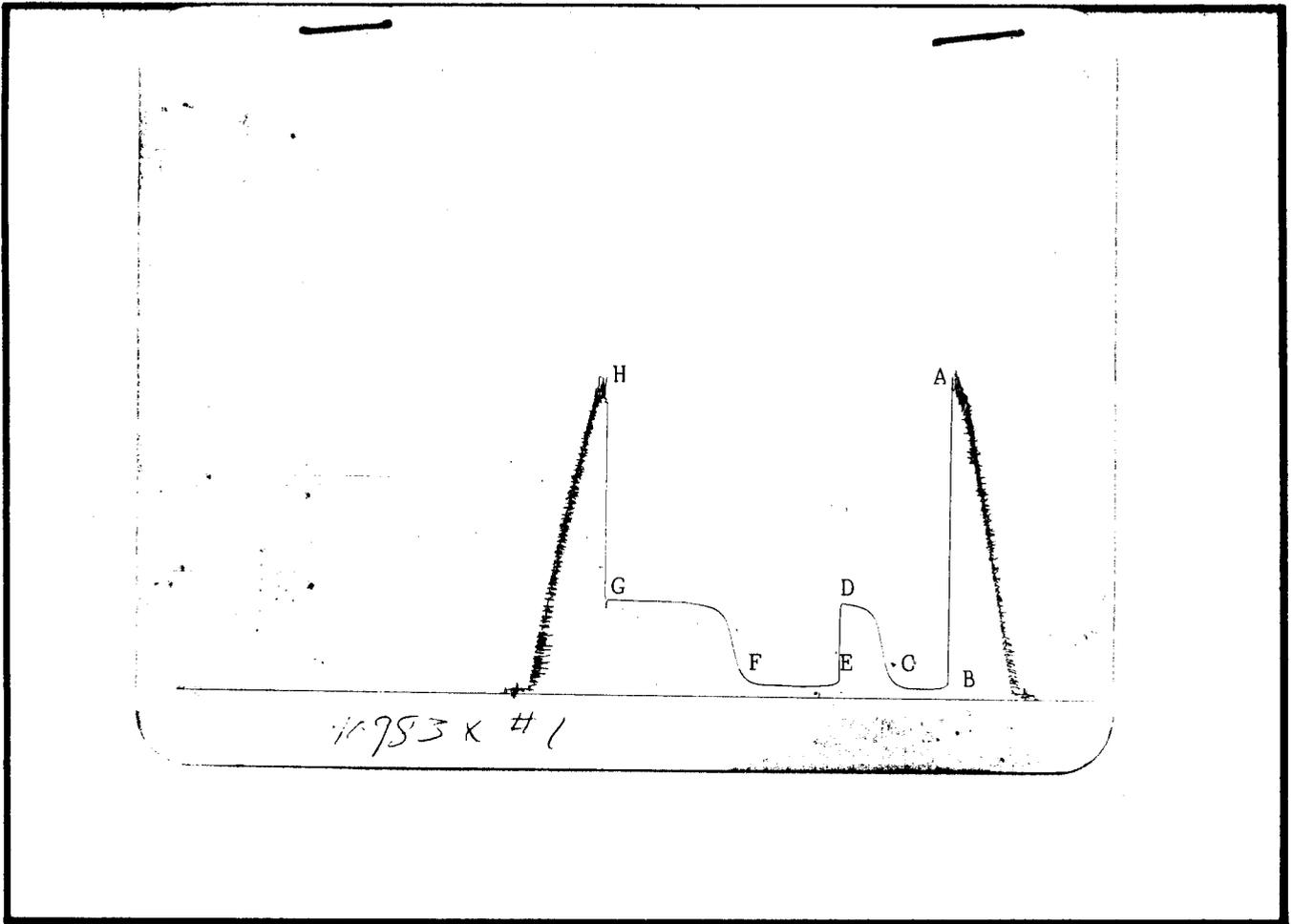
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
0	0.000	51.3
5	0.845	56.4
10	0.602	61.5
15	0.477	76.9
20	0.398	107.7
25	0.342	184.6
30	0.301	343.6
35	0.269	456.4
40	0.243	490.3
45	0.222	507.7
50	0.204	517.0
55	0.189	524.1
60	0.176	529.3

FINAL SHUT-IN

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RECORDER NO: 10983 DEPTH: 3585 FT.
 TOTAL FLOW TIME: 90 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
0	0.000	66.7
5	1.279	82.1
10	1.000	94.4
15	0.845	143.6
20	0.740	228.7
25	0.663	374.4
30	0.602	454.4
35	0.553	487.2
40	0.512	497.5
45	0.477	507.7
50	0.447	518.0
55	0.421	523.1
60	0.398	528.2
65	0.377	531.3
70	0.359	532.3
75	0.342	532.3
80	0.327	533.4
85	0.314	533.4
90	0.301	533.4
95	0.289	534.4
100	0.279	534.4
105	0.269	534.4
110	0.260	535.4
115	0.251	535.4
120	0.243	535.4



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1742	1737	PSI
(B) First Initial Flow Pressure	51	51.3	PSI
(C) First Final Flow Pressure	51	51.3	PSI
(D) Initial Closed-in Pressure	530	529.3	PSI
(E) Second Initial Flow Pressure	71	63.6	PSI
(F) Second Final Flow Pressure	71	66.7	PSI
(G) Final Closed-in Pressure	530	535.4	PSI
(H) Final Hydrostatic Mud	1670	1665	PSI