CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company Oil Producers Inc. of Kansas	Test No. 1
Well Name & Number Linsner #1	Zone Tested conglomerate
Company Address 1346 N. Woodlawn, Wichita, Ks 67208	Date 7-25-85
Company Rep. Chuck Immich	Tester PaulSimpson
Contractor Woodman Iamitti	Elevation 1918
Location: Sec. 16 Twp. 17s Rge. 14w Co. Barton State Ks	Est. Feet of Pay

Recorder No. 13364 Type AK-1 Range 3825 PSI
Recorder Depth 3411 Clock # 25830

(A) Initial Hydrostatic Mud 1869 PSI
(B) First Initial Flow Pressure 373 PSI
(C) First Final Flow Pressure 279 PSI
(D) Initial Shut-in Pressure 1029 PSI
(E) Second Initial Flow Pressure 883 PSI
(F) Second Final Flow Pressure 987 PSI
(G) Final Shut-in Pressure 1039 PSI
(H) Final Hydrostatic Mud 1807 PSI

Temperature 105°
Mud Weight 9.8 Viscosity 45
Fluid Loss 7.0
Interval Tested 3376-3412
Anchor Length 36
Top Packer Depth 3371
Bottom Packer Depth 3376
Total Depth 3412
Drill Pipe Size 4½" XH
Wt. Pipe I. D. 2.7 Ft. Run 822
Recovery-Total Feet 2650

Recorder No. 13223 Type AK-1 Range 4150 PSI
Recorder Depth 3406 Clock # 25562
Tool Open Before I.S.I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 30 Mins.
Final Shut-in 60 Mins.
Top Choke Size 1" Hole Size 7 7/8"
Bottom Choke Size 3/4" Rubber Size 6 3/4"
Tool Open @ 4:08 A. M.
Blow Remarks
1st Open- Strong Blow to Bottom of Bucket
2nd Open- Very Strong Blow to Bottom of Bucket

Gravity 29 @ 80° F.=27

Recovered 250 Feet Of Gas In Pipe
Recovered 2500 Feet Of Clean Gassy Oil
Recovered 150 Feet Of Gassy Muddy Oil-30% Gas/ 60% Oil/ 10% Mud
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of

Extra Equipment Price of Job 625.00

MILLER PRINTERS, INC.
Great Bend, Kansas

Evaluation 1 of 1

CHENEY TESTING COMPANY, INC.

P. O. BOX 367 HILL CITY, KANSAS 67642

TEST TICKET

Dist. Hays

Company Oil Producers Inc of Kansas	Test No. 1
Well Name & Number Linsner #1	Zone Tested Conglomerate
Company Address 1346 N Woodlawn Wichita Ks 67208	Date 7/25/85
Company Rep. Chuck Imrich	Tester Paul Simpson
Contractor Woodman Famitti Rig 1	Elevation 1918 KB
Location: Sec. 16 Twp. 17 Rge. 14 Co. Barton State Ks	

Recorder No. 13264 Type AK-1 Range 3825 PSI
Recorder Depth 3411 Clock # 25830
(A) Initial Hydrostatic Mud 1869 PSI
(B) First Initial Flow Pressure 323 PSI
(C) First Final Flow Pressure 779 PSI
(D) Initial Shut-in Pressure 1029 PSI
(E) Second Initial Flow Pressure 883 PSI
(F) Second Final Flow Pressure 987 PSI
(G) Final Shut-in Pressure 1039 PSI
(H) Final Hydrostatic Mud 1807 PSI
Temperature 105°
Mud Weight 9# 45 Viscosity
Fluid Loss 7cc
Interval Tested 3376-3412
Anchor Length 36
Top Packer Depth 3371
Bottom Packer Depth 3376
Total Depth 3412
Drill Pipe Size 4½ XH
Wt. Pipe I. D. 2.7 Ft. Run 822
Recovery—Total Feet 2650
Rec. 250 GIP
Rec. 2500 Clean Gsy Oil
Rec. 150' Gsy Muddy Oil
Rec. 30% Gas 60% Oil 10% Mud
Rec.
Rec.

Recorder No. 13223 Type AK-1 Range 4150 PSI
Recorder Depth 3406 Clock # 25562
Tool Open Before I. S. I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 30 Mins.
Final Shut-in 60 Mins.
T Choke Size 1" Hole Size 7⅞"
B Choke Size ¾" Rubber Size 6¾"
Tool Open @ 4:08 AM
Blow v strong bottom of bucket
Remarks

2nd w/strong bottom of bucket

Gravity 29@ 80° = 27
@ 3500' 33@ 80 = 31

Test	$ 625
Straddle	
Bowen Jars	
Safety Joint	
Selective Zone Tool	
Sampler	
Extra Packer	
Circulating Sub	
Down Hole Insurance	
Others	
Price of Job	$ 625

CHENEY TESTING COMPANY, INC.

Approved By

Our Representative

TICKET No 14181

Great Bend, Kansas

CHENEY TESTING CO, INC.
CALCULATION OF FORMATION CHARACTERISTICS
FROM DST DATA

****

FOR: OIL PRODUCERS INC. OF KANSAS
LINSNER #1 DST # 1
SEC: 16-17S-14W FORMATION: CONGLOMERATE
BARTON COUNTY KANSAS ELEVATION: 1918 KB

****

TEST PARAMETERS

TEST INTERVAL: 3376 - 3412 EST PAY: 10
TIME INTERVAL: 30 - 45 - 30 - 60 VISCOSITY OF FLUID: 7
INITIAL FLOW PRESS: 364.5- 801.8 HOLE SIZE: 7.875
FINAL FLOW PRESS: 886.9- 986.6 D.C. CAPACITY:0.00000
SHUT-IN PRESS(I-F):1033.3-1033.3 W.P. CAPACITY:0.01329
BOTTOM HOLE TEMPERATURE: 105 D.P. CAPACITY:0.01402
TOTAL FEET OF RECOVERY: 2650 TOTAL BARRELS RECOVERY:36.5551

****

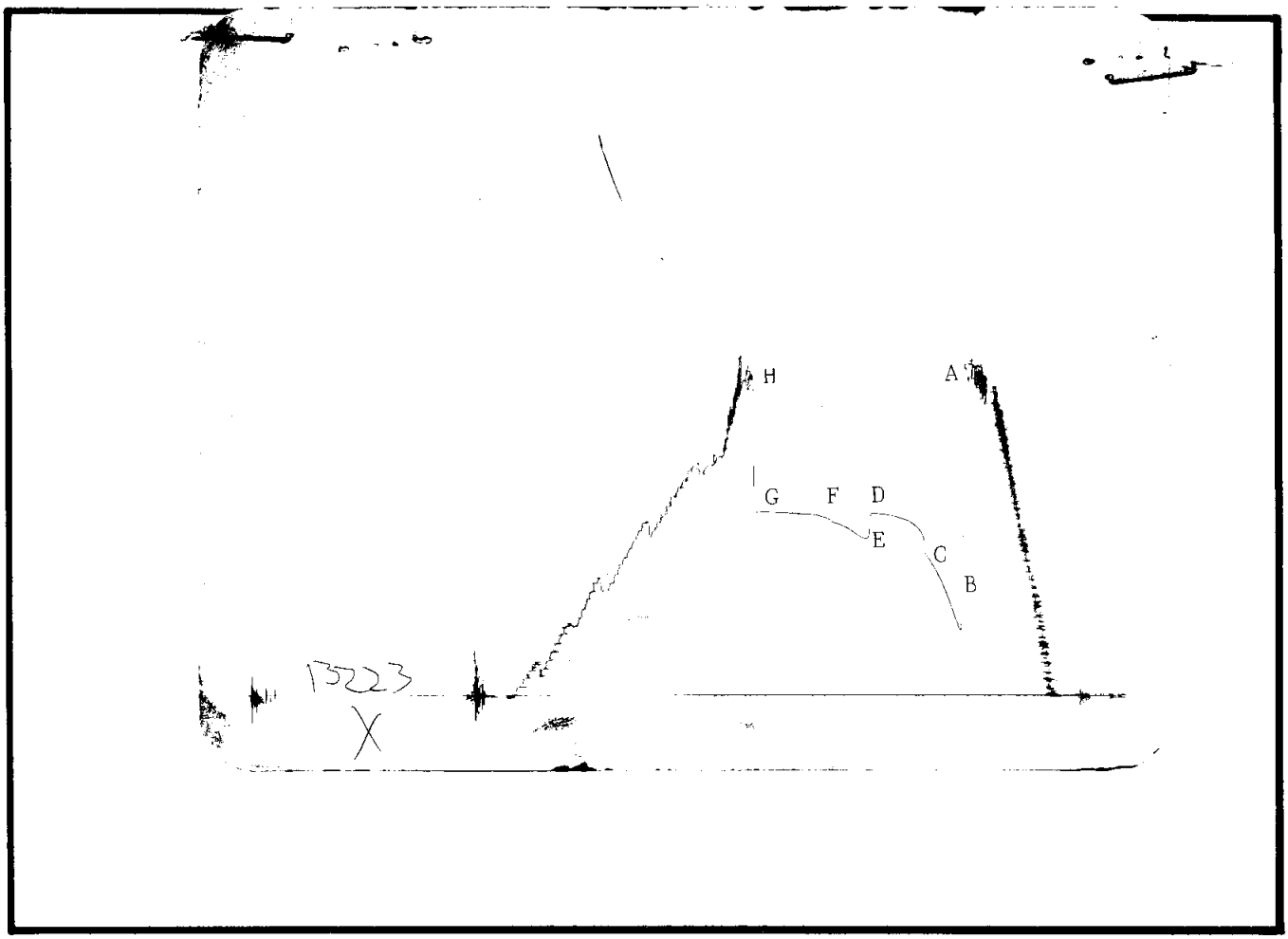
EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 1054
SLOPE (PSI-CYCLE): 94 POINTS USED: 2

EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 1035
SLOPE (PSI-CYCLE): 10 POINTS USED: 4

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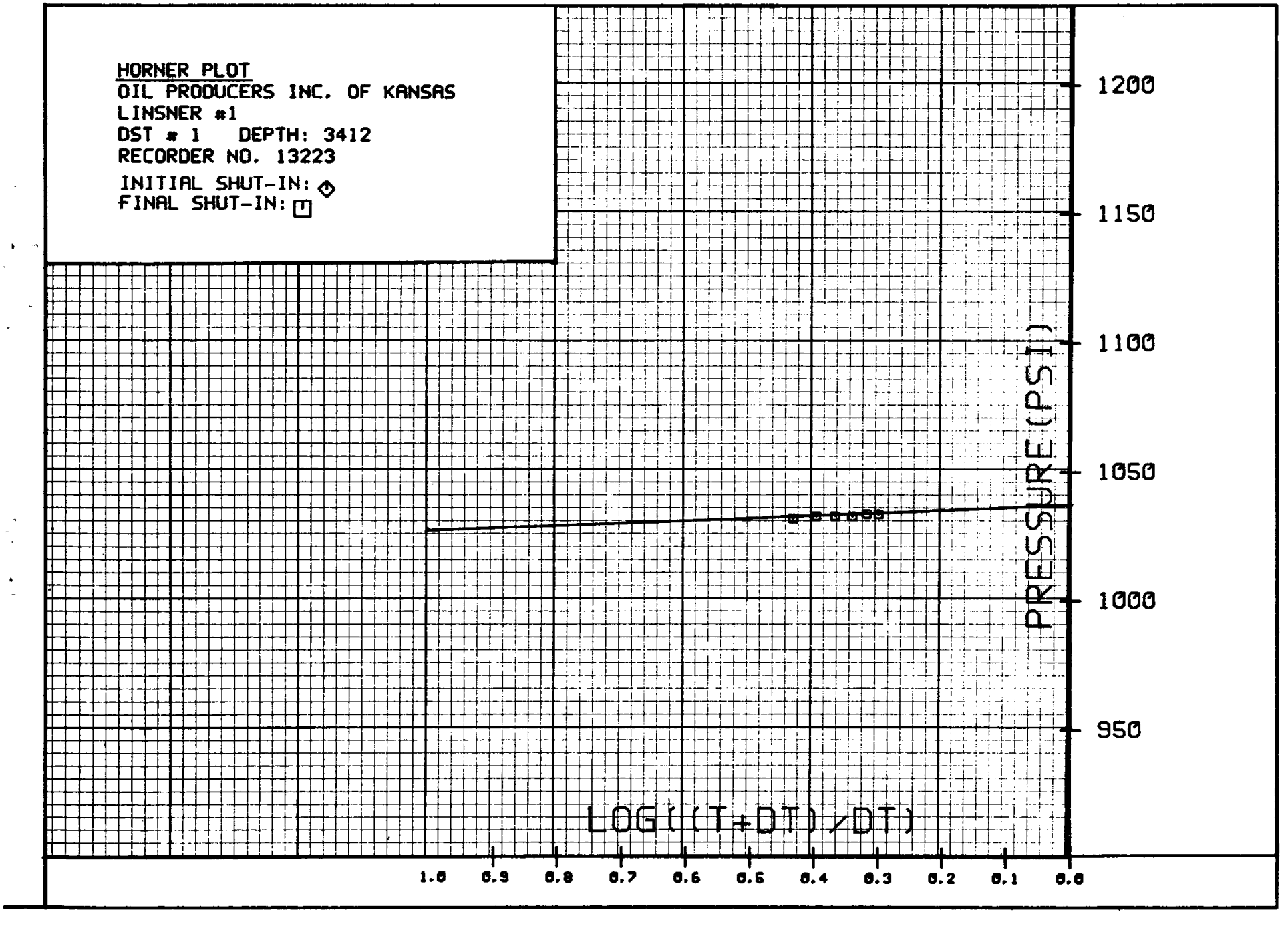
CALCULATIONS

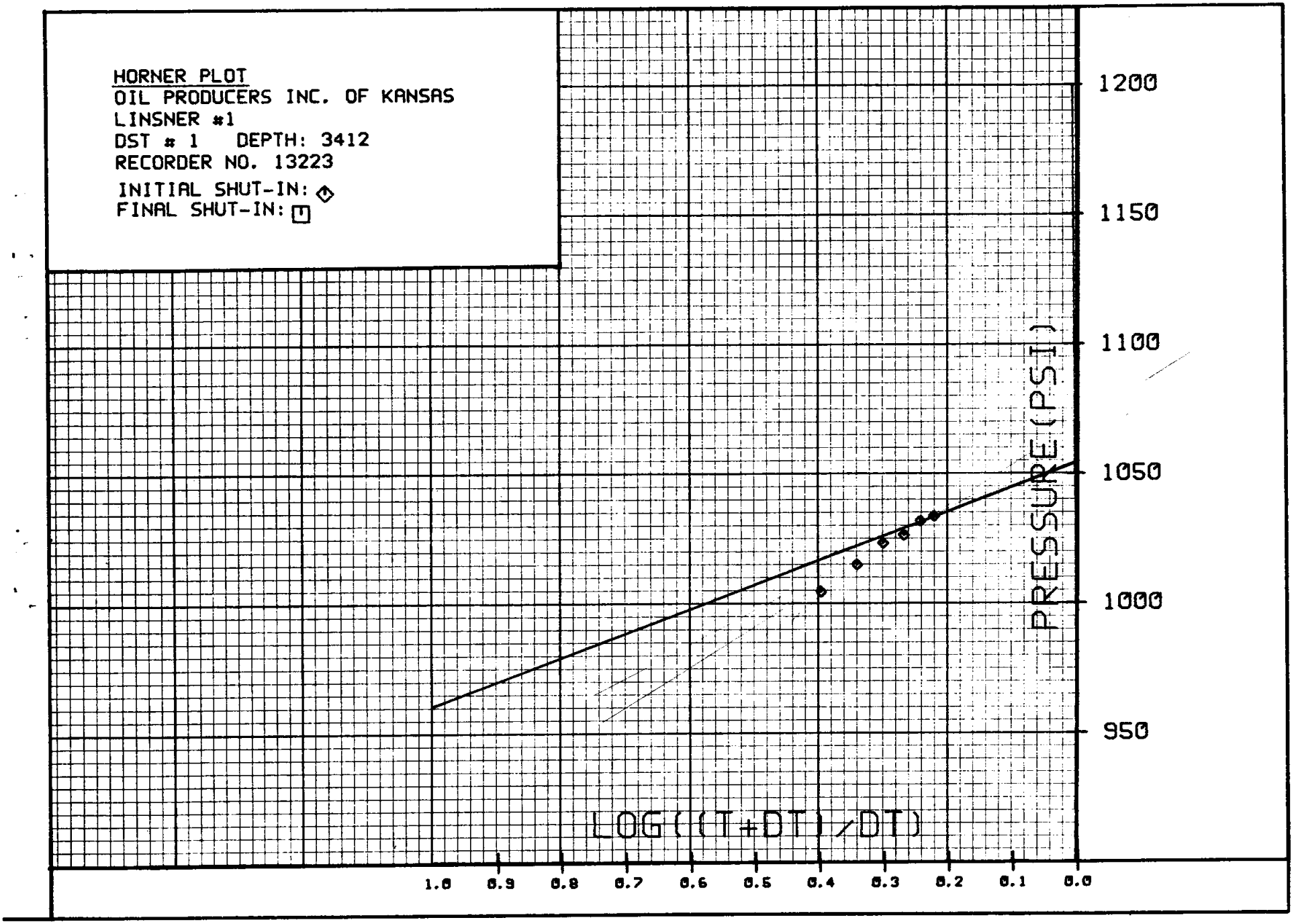
AVERAGE PRODUCTION RATE (B/D)	: 877.32
TRANSMISSIBILITY (MD-FT/CP)	: 14265.25
PERMEABILITY (MD)	: 9985.67
PRODUCTIVITY INDEX (B/D/PSI)	:16.1197
DAMAGE RATIO	: 0.789
APPROXIMATE RADIUS OF INVESTIGATION (FT)	: 774.0
DRAWDOWN FACTOR (%)	: 1.803
POTENTIOMETRIC SURFACE (FT)	: 906.17



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1869	1864	PSI
(B)	First Initial Flow Pressure	373	364.5	PSI
(C)	First Final Flow Pressure	879	801.8	PSI
(D)	Initial Closed-in Pressure	1029	1033.3	PSI
(E)	Second Initial Flow Pressure	883	886.9	PSI
(F)	Second Final Flow Pressure	987	986.6	PSI
(G)	Final Closed-in Pressure	1039	1033.3	PSI
(H)	Final Hydrostatic Mud	1807	1802	PSI


HORNER PLOT
OIL PRODUCERS INC. OF KANSAS
LINSNER #1
DST # 1 DEPTH: 3412
RECORDER NO. 13223
INITIAL SHUT-IN:
FINAL SHUT-IN:
1200
1150
1100
1050
1000
950
PRESSURE (PSI)
LOG((T+DT)/DT)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0


HORNER PLOT
OIL PRODUCERS INC. OF KANSAS
LINSNER #1
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RECORDER NO. 13223
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1150
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1050
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950
PRESSURE (PSI)
LOG((T+DT)/DT)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

INITIAL SHUT-IN

RECORDER NO: 13223 DEPTH: 3412 FT.
INITIAL FLOW TIME (T): 30 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
0	0.000	801.8
5	0.845	910.8
10	0.602	960.6
15	0.477	987.7
20	0.398	1004.3
25	0.342	1014.7
30	0.301	1023.0
35	0.269	1026.1
40	0.243	1031.3
45	0.222	1033.3

FINAL SHUT-IN

RECORDER NO: 13223 DEPTH: 3412 FT.
TOTAL FLOW TIME: 60 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
0	0.000	986.6
5	1.114	1007.4
10	0.845	1021.9
15	0.699	1025.0
20	0.602	1028.2
25	0.531	1029.2
30	0.477	1030.2
35	0.434	1031.3
40	0.398	1032.3
45	0.368	1032.3
50	0.342	1032.3
55	0.320	1033.3
60	0.301	1033.3

CHENEY TESTING COMPANY, INC.

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(G) Final Shut-in Pressure 1039 PSI

(H) Final Hydrostatic Mud 1807 PSI

Temperature 105°

Mud Weight 9.8 Viscosity 45

Fluid Loss 7.0

Interval Tested 3376-3412

Anchor Length 36

Top Packer Depth 3371

Bottom Packer Depth 3376

Total Depth 3412

Drill Pipe Size 4½" XH

Wt. Pipe I. D. 2.7 Ft. Run 822

Recovery-Total Feet 2650

Recorder No. 13223 Type AK-1 Range 4150 PSI

Recorder Depth 3406 Clock # 25562

Tool Open Before I.S.I. 30 Mins.

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 60 Mins.

Top Choke Size 1" Hole Size 7 7/8"

Bottom Choke Size 3/4" Rubber Size 6 3/4"

Tool Open @ 4:08 A. M.

Blow Remarks

1st Open- Strong Blow to Bottom of Bucket

2nd Open- Very Strong Blow to Bottom of Bucket

Gravity 29 @ 80° F.=27

Recovered 250 Feet Of Gas In Pipe

Recovered 2500 Feet Of Clean Gassy Oil

Recovered 150 Feet Of Gassy Muddy Oil-30% Gas/ 60% Oil/ 10% Mud

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job 625.00

MILLER PRINTERS, INC.

CHENEY TESTING CO, INC.
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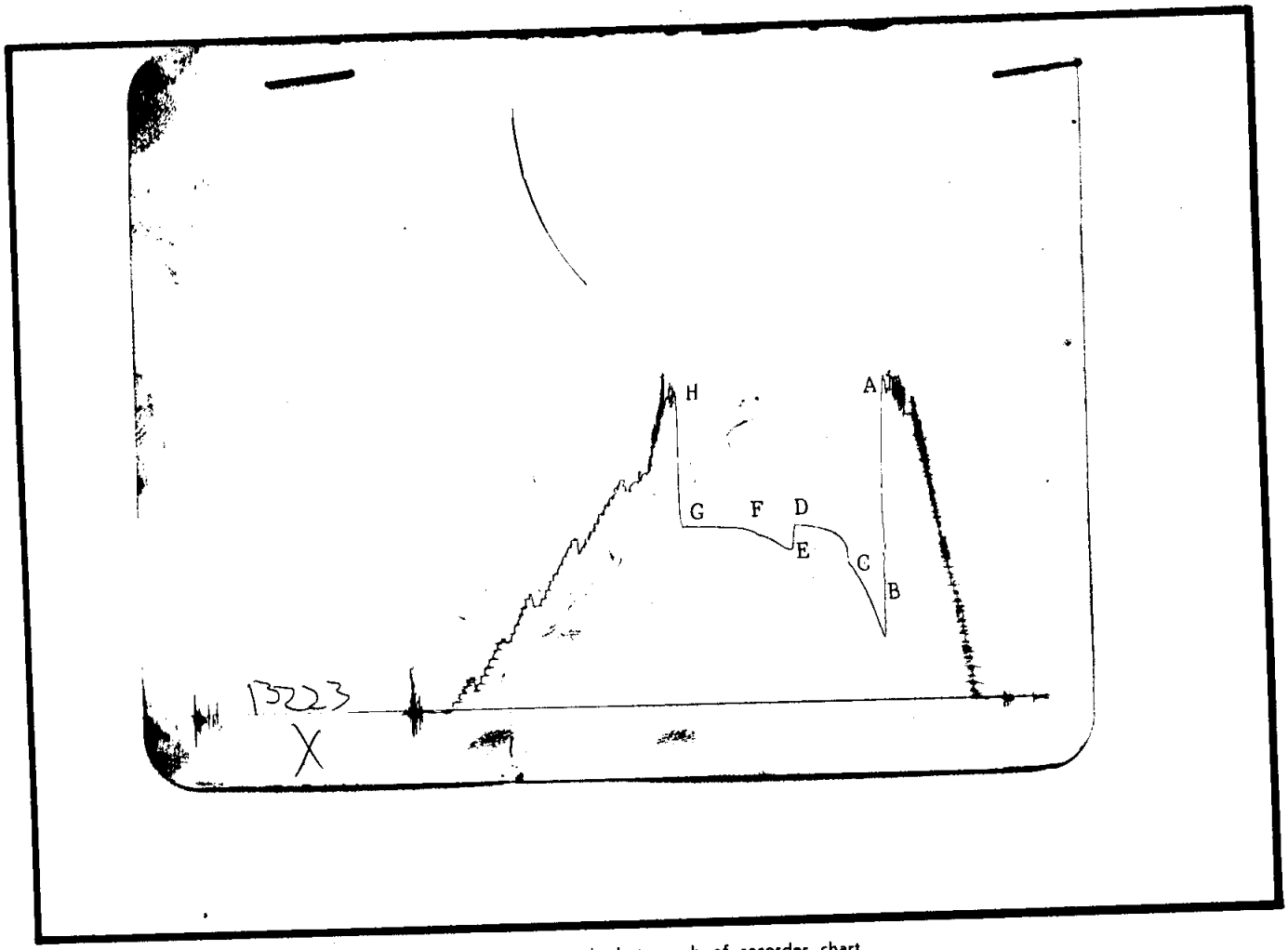
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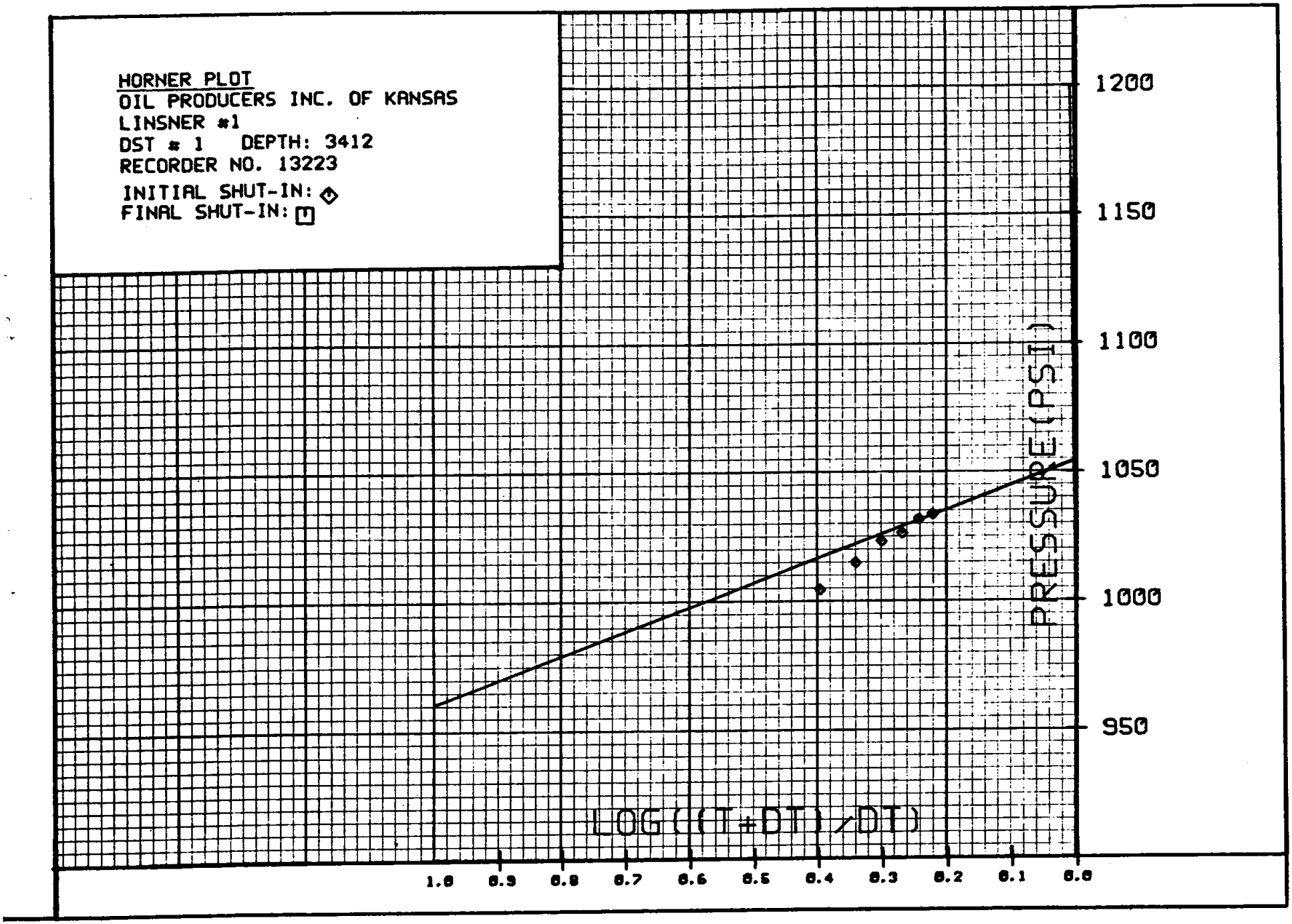
CALCULATIONS

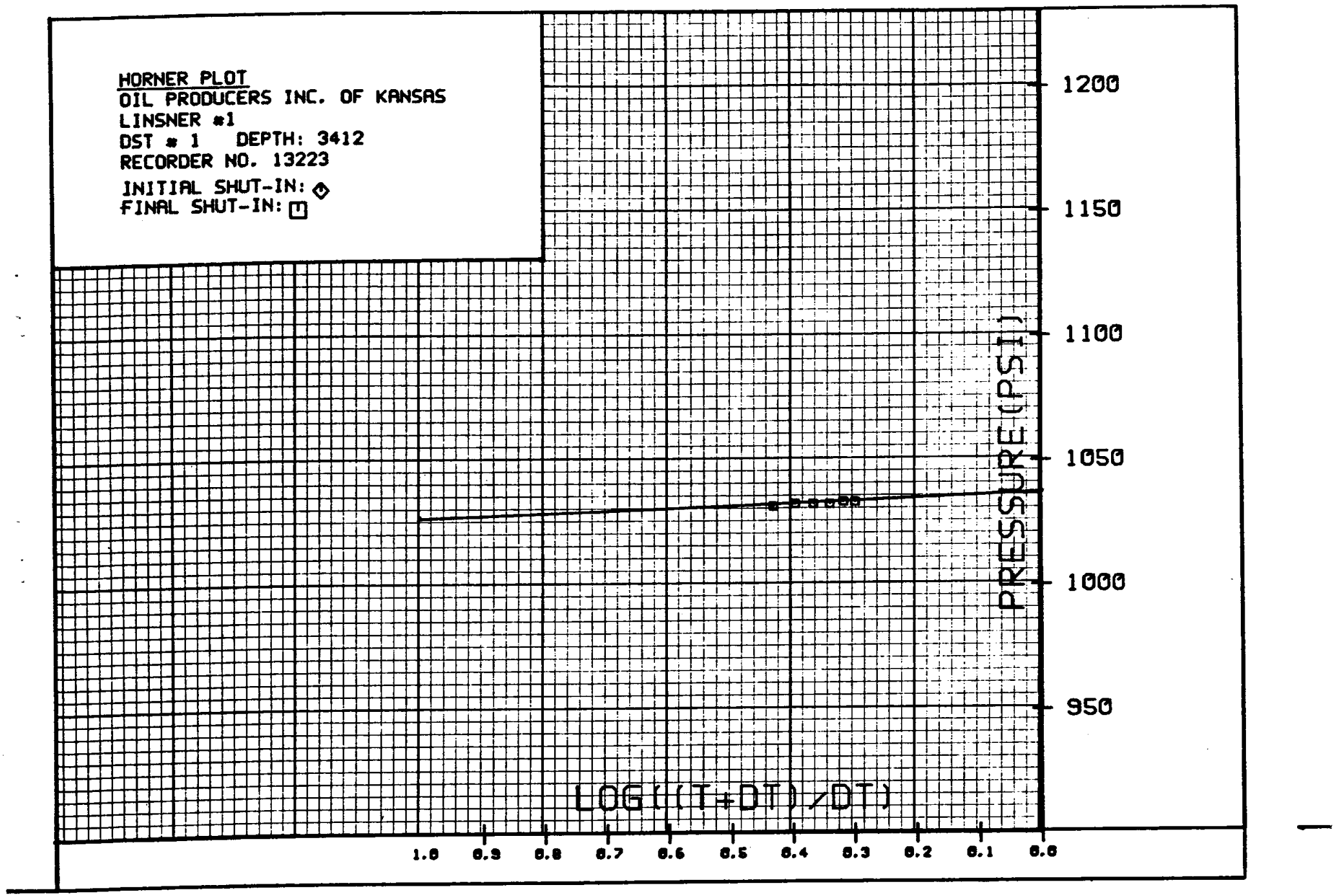
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PRESSURE (PSI)
LOG((T+DT)/DT)
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0.6
0.5
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0.3
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0.0


HORNER PLOT
OIL PRODUCERS INC. OF KANSAS
LINSNER #1
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