CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company Viking Resources Inc.	Test No. 1
Well Name & Number Potter #1	Zone Tested Mississippi
Company Address 105 S. Broadway #1040, Wichita, Kan.	Date 1-5-91
Company Rep. Rob Patton	Tester Gary Pevoteaux
Contractor Mallard J.V. INC	Elevation 2323 K.B.
Location: Sec. 4 Twp. 18S Rge. 24W Co. Ness State Kan.	Est. Feet of Pay

Recorder No. 13224 Type AK-1 Range 4350 PSI
Recorder Depth 4347 Clock # 30410

(A) Initial Hydrostatic Mud 2223 PSI
(B) First Initial Flow Pressure 47 PSI
(C) First Final Flow Pressure 108 PSI
(D) Initial Shut-in Pressure 924 PSI
(E) Second Initial Flow Pressure 134 PSI
(F) Second Final Flow Pressure 163 PSI
(G) Final Shut-in Pressure 867 PSI
(H) Final Hydrostatic Mud 2153 PSI

Temperature 124°
Mud Weight 9.5 Viscosity 45
Fluid Loss 7.0 c.c.
Interval Tested 4330-4350
Anchor Length 20'
Top Packer Depth 4325
Bottom Packer Depth 4330
Total Depth 4350
Drill Pipe Size 4½ EX.H.
Drill Pipe I. D. collars 2.25 Ft. Run 338
Recovery-Total Feet 402 Fluid
Recovered 150 Feet Of G.I.P.
Recovered 220 Feet Of Clean Oil (Gravity 37 @ 60°F)
Recovered 182 Feet Of G.O.C.M.(10% Gas 35% Oil 55% Mud)
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Extra Equipment Safety Joint Price of Job

Recorder No. 10290 Type AK-1 Range 22993 PSI
Recorder Depth 4342 Clock # 22993

Tool Open Before I.S. 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 @ 12:04 P.M.

Blow Remarks 1st open; Fair to strong blow.
2" increasing to 13" after 30 minutes.
2nd open; Fair blow, 1" to 5" in water.

Well chlorides; 6,000 P.P.M.
Rec chlorides; 6,000 P.P.M.

MILLER PRINTERS, INC.
Great Bend, Kansas

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

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FOR: VIKING RESOURCES INC.
POTTER #1
4-18S-24W
NESS CO., KANSAS

DST # 1
FORMATION: MISSISSIPPI
ELEVATION: 2323 KB

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TEST PARAMETERS

TEST INTERVAL: 4330 - 4350
TIME INTERVAL: 30 - 45 - 30 - 60
INITIAL FLOW PRESS: 50.8- 118.6
FINAL FLOW PRESS: 156.8- 166.3
SHUT-IN PRESS(I-F): 908.9- 863.3
BOTTOM HOLE TEMPERATURE: 124
TOTAL FEET OF RECOVERY: 402

EST PAY: 10
VISCOSITY OF FLUID: 3.5
HOLE SIZE: 7.875
D.C. CAPACITY:0.00492
W.P. CAPACITY:0.00000
D.P. CAPACITY:0.01402
TOTAL BARRELS RECOVERY: 2.5587

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EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 1160
SLOPE (PSI-CYCLE): 1080 POINTS USED: 3

EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 1150
SLOPE (PSI-CYCLE): 940 POINTS USED: 4

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CALCULATIONS

PRODUCTION POTENTIAL (B/D)	: 61.41
TRANSMISSIBILITY (MD-FT/CP)	: 10.62
EFFECTIVE PERMEABILITY (MD)	: 3.72
PRODUCTIVITY INDEX (B/D/PSI)	: 0.0120
DAMAGE RATIO	: 0.192
APPROXIMATE RADIUS OF INVESTIGATION (FT)	: 14.9
DRAWDOWN FACTOR (%)	: 0.862
POTENTIOMETRIC SURFACE (FT)	: 639.85

INITIAL SHUT-IN

RECORDER NO: 10290 DEPTH: 4350 FT.
INITIAL FLOW TIME (T): 30 MIN.

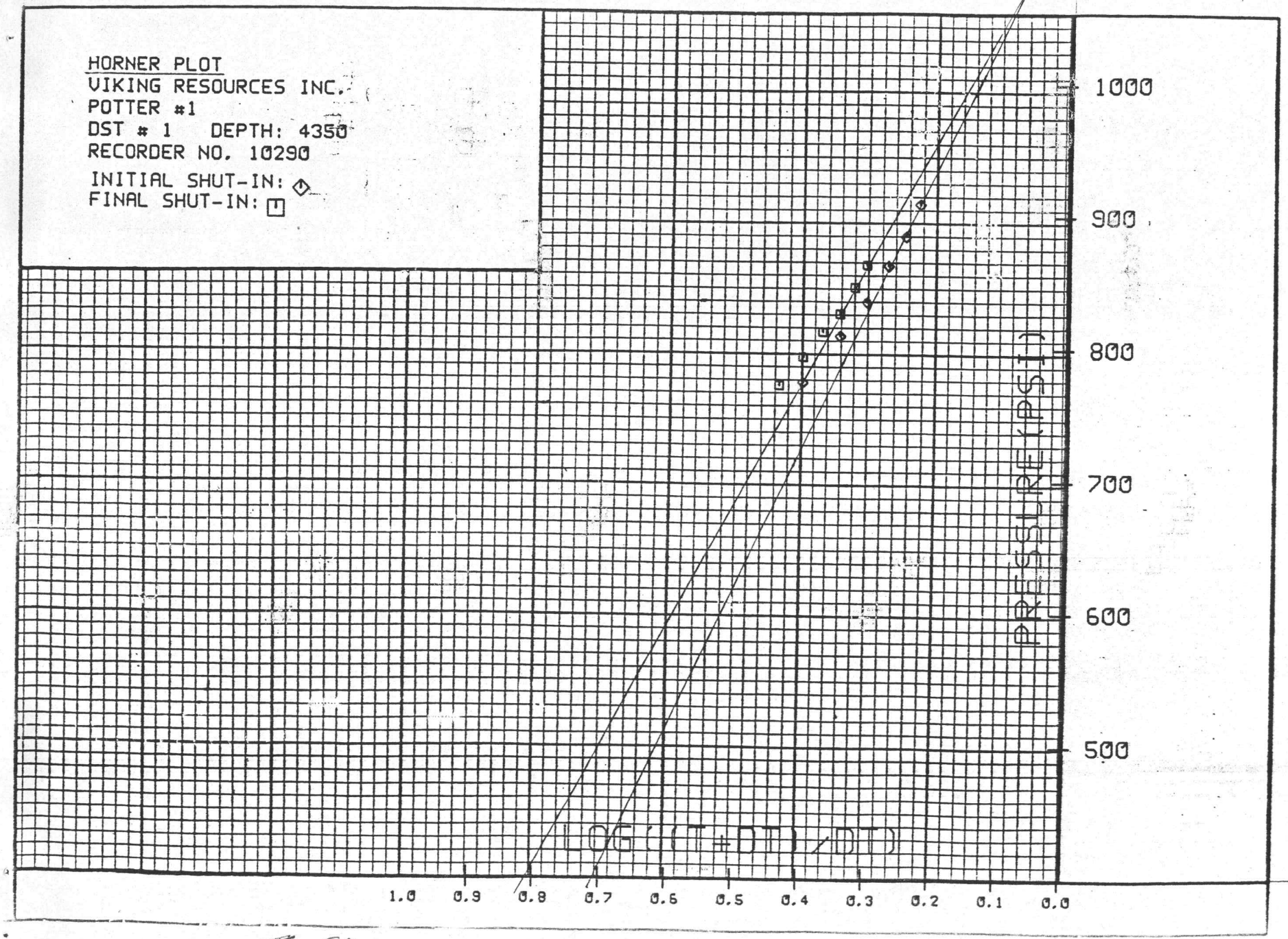
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
0	0.000	118.6
5	0.845	587.9
10	0.602	681.1
15	0.477	727.8
20	0.398	774.4
25	0.342	809.3
30	0.301	834.7
35	0.269	862.3
40	0.243	884.5
45	0.222	908.9

FINAL SHUT-IN

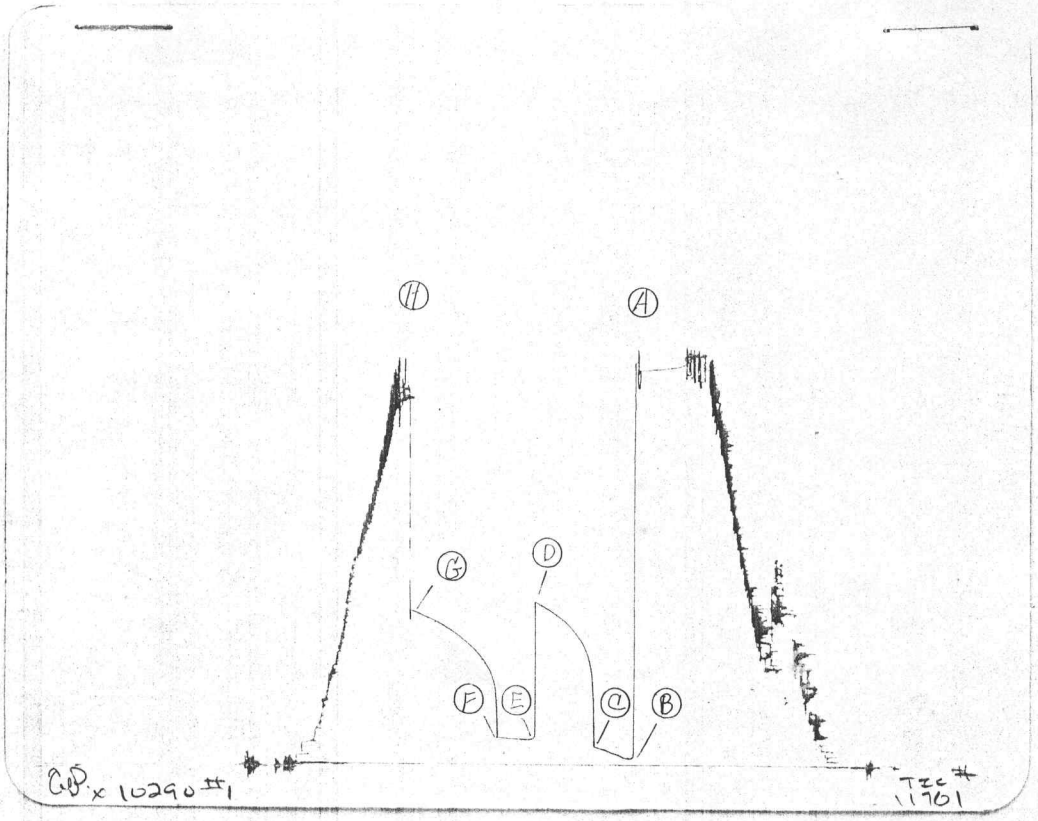
RECORDER NO: 10290 DEPTH: 4350 FT.
TOTAL FLOW TIME: 60 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(PSIG)
0	0.000	166.3
5	1.114	566.7
10	0.845	615.5
15	0.699	654.7
20	0.602	690.7
25	0.531	720.3
30	0.477	745.8
35	0.434	772.2
40	0.398	793.4
45	0.368	812.5
50	0.342	826.3
55	0.320	846.4
60	0.301	863.3

F - 1150
I - 1160



I 80
F - 210



POINT		PRESSURE FIELD READING	PRESSURE OFFICE READING	
(A)	Initial Hydrostatic Mud	2223	2214	PSI
(B)	First Initial Flow Pressure	47	50.8	PSI
(C)	First Final Flow Pressure	108	118.6	PSI
(D)	Initial Closed-in Pressure	924	908.9	PSI
(E)	Second Initial Flow Pressure	134	156.8	PSI
(F)	Second Final Flow Pressure	163	166.3	PSI
(G)	Final Closed-in Pressure	867	863.3	PSI
(H)	Final Hydrostatic Mud	2153	2176	PSI