

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

Computer Inventoried

(316) 792-6902

COPY

Date 6-13-1993 Location C-112-NW-NE 23-23-14 Elevation 1922 G.L. County STAFFORD

Company Griggs Oil Inc. Number of Copies 5

Charts Mailed to 100 North Main Suite 1010 Wichita Kansas 67202

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 3212 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" x 1 1/2"

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 424 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" x 1 1/2"

Top Packer Depth 3650 Bottom Packer Depth 3655 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3655 TO 3672 ANCHOR LENGTH 17 TOTAL DEPTH 3672 Hole Size 7 1/8"

LEASE & WELL NO. Cornwell #1-23 FORMATION TESTED KANSAS City #4 TEST NO. 1

Mud Weight 9.1 Viscosity 48 Water Loss 10.4 Chlorides - Pits 7000 D.S.T.

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1793 P.S.I. Final Hydrostatic Pressure (H) 1760 P.S.I.

Tool Open I.F.P. from 3:00 P.m. to 4:00 P.m. 60 min

Tool Closed I.C.I.P. from 4:00 P.m. to 5:00 P.m. 60 min

Tool Open F.F.P. from 5:00 P.m. to 5:30 P.m. 30 min

Tool Closed F.C.I.P. from 5:30 P.m. to 6:30 P.m. 60 min

Initial Blow WEAK blow built to 2 inches into the water & started decreasing to

Final Blow WEAK INTERMITTENT & DEAD IN 40 MIN. Flushed tool Good SURGE WEAK

Total ~~Flow~~ Blow for 15 minutes & DIED. Gravity of Oil Corrected

~~Final Blow:~~ Final Blow: NO blow Flushed tool AFTER % Gas % Oil % Mud % Water

~~Feet of~~ 5 min. Good Surge - No help - DEAD % Gas % Oil % Mud % Water

50 Feet of VERY slightly oil specked mud LESS THAN 1% oil % Gas SCA % Oil 100 % Mud 100 % Water

50 Feet of VERY slightly oil specked mud - LESS THAN 1% oil % Gas SCA % Oil 100 % Mud 100 % Water

Feet of NO FAIR SHOW OF OIL BETWEEN THE SHUT IN % Gas % Oil % Mud % Water

Feet of tool & Hydraulic tools & A Good show of % Gas % Oil % Mud % Water

Feet of oil on the lower blanked off recorder % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Remarks Slid tool 7-8 Feet to bottom after it opened

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3666 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3669 Insurance NONE

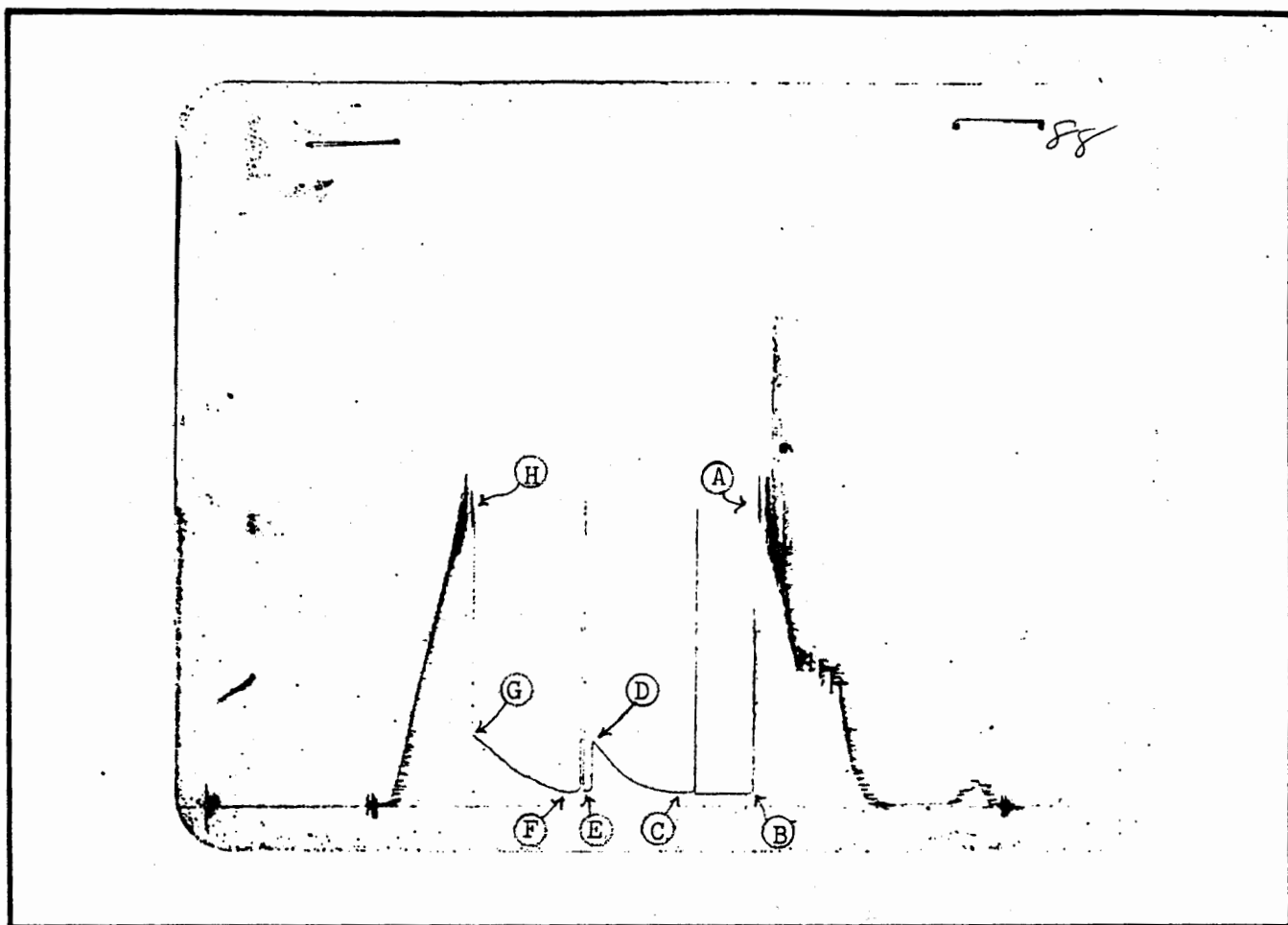
Price of Job

Tool Operator Handwritten

ed By 12177

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

AUG 16 1993



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1793	1811	P.S.I.
(B) First Initial Flow Pressure	66	70	P.S.I.
(C) First Final Flow Pressure	78	79	P.S.I.
(D) Initial Closed-in Pressure	401	390	P.S.I.
(E) Second Initial Flow Pressure	78	88	P.S.I.
(F) Second Final Flow Pressure	89	113	P.S.I.
(G) Final Closed-in Pressure	423	427	P.S.I.
(H) Final Hydrostatic Mud	1760	1782	P.S.I.

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Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 6-14-1993 Location C-N12-NW-N1E 23-25-14 Elevation 1931 K.B County STAFFORD

Company GRIGGS Oil Inc. Number of Copies 5

Charts Mailed to 100 NORTH MAIN Suite 1010 WICHITA KANSAS 67202

Drilling Contractor STERLING Drilling Rig #4

Length Drill Pipe 3259 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 4"

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 424 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 3695 Bottom Packer Depth 3700 Number of Packers 2 Packer Size 2 3/4"

TESTED FROM 3700 TO 3716 ANCHOR LENGTH 16 TOTAL DEPTH 3716 Hole Size 7 7/8"

LEASE & WELL NO. CORNWELL #1-23 FORMATION TESTED KANSAS CITY "I" TEST NO. 2

Mud Weight 9.4 Viscosity 48 Water Loss 10.4 Chlorides - Pits 7000 D.S.T. 52,000

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 1837 P.S.I. Final Hydrostatic Pressure (H) 1815 P.S.I.

Tool Open I.F.P. from 4:45 AM to 5:15 AM 30 min

Tool Closed I.C.I.P. from 5:15 AM to 5:45 AM 30 min

Tool Open F.F.P. from 5:45 AM to 6:15 AM 30 min

Tool Closed F.C.I.P. from 6:15 AM to 6:45 AM 30 min

from [B] 55 P.S.I. to [C] 66 P.S.I.

[D] 1130 P.S.I.

from [E] 78 P.S.I. to [F] 89 P.S.I.

[G] 1097 P.S.I.

Initial Blow WEAK blow - built to 18 inch in 10 min - DECREASED & DIED IN 20 MIN

Final Blow NO blow - Flushed tool - Good Surge - WEAK blow for 14 minutes & DIED

Total Feet Recovered 130 Gravity of Oil _____ Corrected

10 Feet of Muddy water 0% Gas 0% Oil 32% Mud 68% Water

60 Feet of WATERY MUD 0% Gas 0% Oil 58% Mud 42% Water

60 Feet of Muddy water - NO shows of oil or Gas 0% Gas 0% Oil 30% Mud 70% Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3710 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3713 Insurance NONE

Price of Job _____

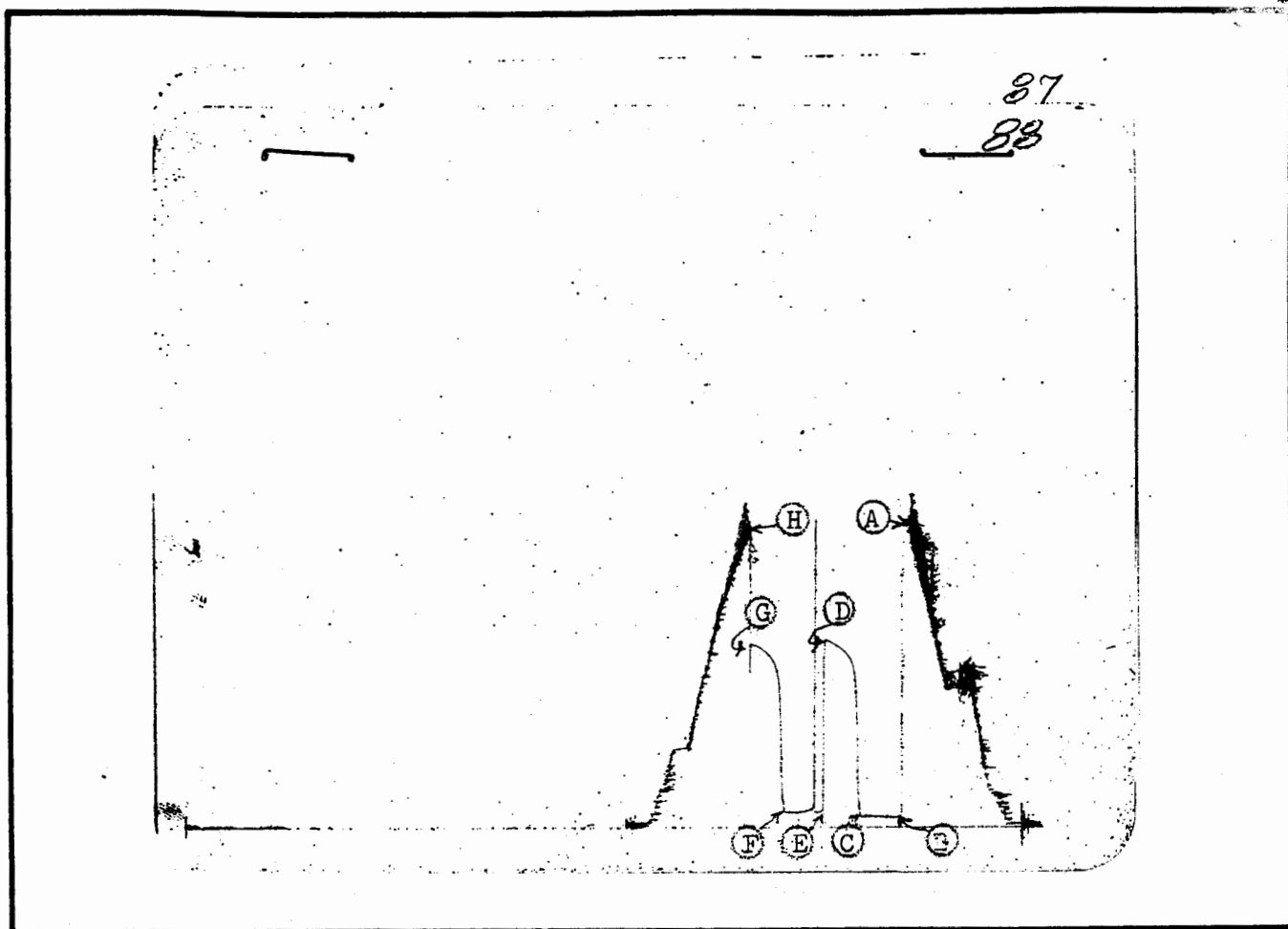
Tool Operator Dave Budig

Approved By _____

No. 12178

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1815	1854	P.S.I.
(B) First Initial Flow Pressure	55	57	P.S.I.
(C) First Final Flow Pressure	66	64	P.S.I.
(D) Initial Closed-in Pressure	1130	1131	P.S.I.
(E) Second Initial Flow Pressure	78	92	P.S.I.
(F) Second Final Flow Pressure	89	95	P.S.I.
(G) Final Closed-in Pressure	1097	1107	P.S.I.
(H) Final Hydrostatic Mud	1815	1822	P.S.I.

AUG 16 1953
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Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 6-14-1993 Location C N12-NW-NE 23-23-14^W Elevation 1731 K.B. County STAFFORD

Company GRIGGS OIL INC. Number of Copies 5

Charts Mailed to 100 NORTH MAIN Suite 1010 WICHITA KANSAS 67202

Drilling Contractor STERLING DRILLING RIG #4

Length Drill Pipe 3279 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 424 I.D. Drill Collars 2.75 Tool Joint Size 4 1/2" X H.

Top Packer Depth 3717 Bottom Packer Depth 3722 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3722 TO 3785 ANCHOR LENGTH 63 TOTAL DEPTH 3785 Hole Size 7 7/8"

LEASE & WELL NO. CORNWELL #1-23 FORMATION TESTED KANSAS CITY "L" TEST NO. 3

Mud Weight 9.1 Viscosity 46 Water Loss 10.8 Chlorides - Pits 9000 D.S.T. _____

Maximum Temp. 112 °F Initial Hydrostatic Pressure (A) 1824 P.S.I. Final Hydrostatic Pressure (H) 1804 P.S.I.

Tool Open I.F.P. from 6:00 P.m. to 6:30 P.m. 30 min

from [B] 66 P.S.I. to [C] 66 P.S.I.

Tool Closed I.C.I.P. from 6:30 P.m. to 7:00 P.m. 30 min

[D] 623 P.S.I.

Tool Open F.F.P. from 7:00 P.m. to 7:30 P.m. 30 min

from [E] 66 P.S.I. to [F] 78 P.S.I.

Tool Closed F.C.I.P. from 7:30 P.m. to 8:00 P.m. 30 min

[G] 434 P.S.I.

Initial Blow WEAK to VERY WEAK blow for 28 minutes & DIED

Final Blow NO blow - Flushed tool - Good Surge - WEAK blow for 12 minutes & DIED

Total Feet Recovered 40 Gravity of Oil _____ Corrected

40 Feet of MUD with A VERY SLIGHT SCUM of oil 0% Gas SCUM% Oil 100% Mud 0% Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3779 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3782 Insurance NONE

Price of Job _____

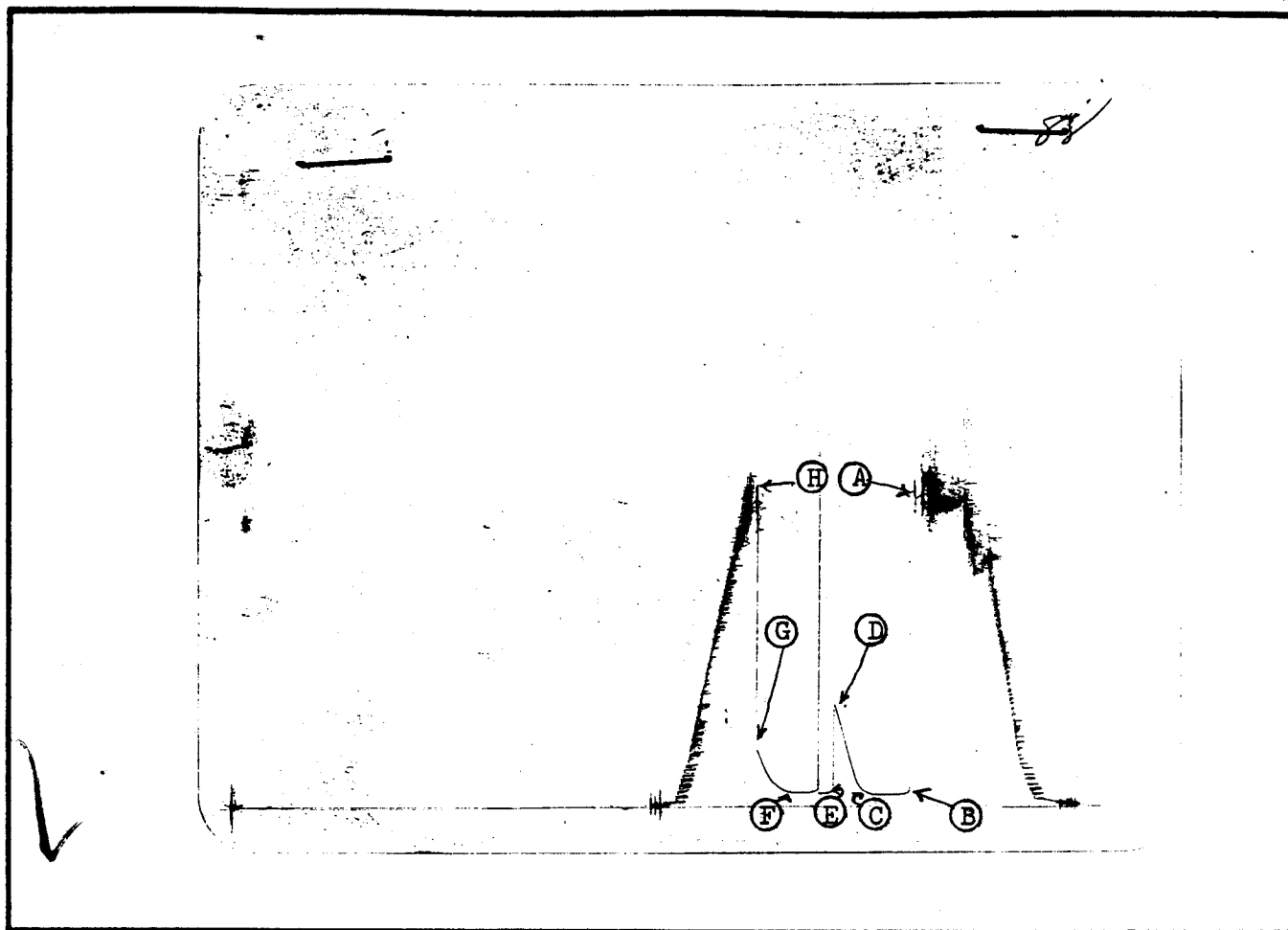
Tool Operator Gene Ludwig

Approved By _____

No 12179

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1826	1886	P.S.I.
(B) First Initial Flow Pressure	66	69	P.S.I.
(C) First Final Flow Pressure	66	70	P.S.I.
(D) Initial Closed-in Pressure	623	611	P.S.I.
(E) Second Initial Flow Pressure	66	73	P.S.I.
(F) Second Final Flow Pressure	78	78	P.S.I.
(G) Final Closed-in Pressure	434	338	P.S.I.
(H) Final Hydrostatic Mud	1804	1840	P.S.I.

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