

**SUPERIOR TESTERS**  
RR #1, Box 295B, Great Bend, Kansas

**26-17-8W**

Date 5-20-86 Location 26 17<sup>s</sup> 8<sup>w</sup> Elevation \_\_\_\_\_ County Ellsworth  
 Company J C Boyer Number of Copies \_\_\_\_\_  
 Address P.O. Box 511 Hays, Kansas 67601  
 Charts Mailed to P.O. Box 511 Hays, Kansas 67601  
 Invoice Mailed to P.O. Box 511 Hays, Kansas 67601  
 Lease Gray Well No. #5 Formation Tested Loring K.C. Test No. #1  
 Depth 2830' Tested from 2804' to 2820' Packer Size 6 3/4" Anchor Length 16'  
 Top Packer Depth 2799' ft. Bottom Packer Depth 2804' ft. Dual Packers yes  
 Tool Joint Size 4 1/2 F.H. Tool Size 5 1/2 O.D. Hole Size 7 3/4" Did Packer Hold yes  
 Drilling Contractor Duke Drilling  
 Length Drill Pipe 1842' I.D. Drill Pipe 3.29 Tool Joint Size 4 1/2 F.H.  
 Length Weight Pipe 941' I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2 F.H.  
 Length Drill Collars None I.D. Drill Collars - Tool Joint Size \_\_\_\_\_

Tool Open I.F.P. from 11:00 Am to 11:30 Am 30 min  
 Tool Closed I.C.I.P. from 11:30 Am to 12:15 Pm 45 min  
 Tool Open F.F.P. from 12:15 Pm to 12:45 Pm 30 min  
 Tool Closed F.C.I.P. from 12:45 Pm to 1:30 Pm 45 min

|          |             |               |           |        |
|----------|-------------|---------------|-----------|--------|
| from [B] | <u>32</u>   | P.S.I. to [C] | <u>32</u> | P.S.I. |
| [D]      | <u>1014</u> |               |           | P.S.I. |
| from [E] | <u>32</u>   | P.S.I. to [F] | <u>32</u> | P.S.I. |
| [G]      | <u>993</u>  |               |           | P.S.I. |

Initial Hydrostatic Pressure [A] 1596 P.S.I. Final Hydrostatic Pressure [H] 1521 P.S.I. Maximum Temp 100 °F  
 Initial Blow Strong Blow - off the bottom of the bucket immediately  
 Final Blow \_\_\_\_\_

Gas to Surface 5 Min. Oil to Surface \_\_\_\_\_ Min. Mut Weight 9 3/4 Viscosity 40  
 Gas Gauged 1<sup>st</sup> open - 29,700 Cubic ft. Per 24 hrs - slowly decreasing to 24,000 Cubic ft. Per 24 hrs.  
2<sup>nd</sup> open - 44,800 Cubic ft. Per 24 hrs - slowly decreasing to 19,700 Per 24 hrs.

Recovery \_\_\_\_\_  
10' Mud with a few oil spots in the tool

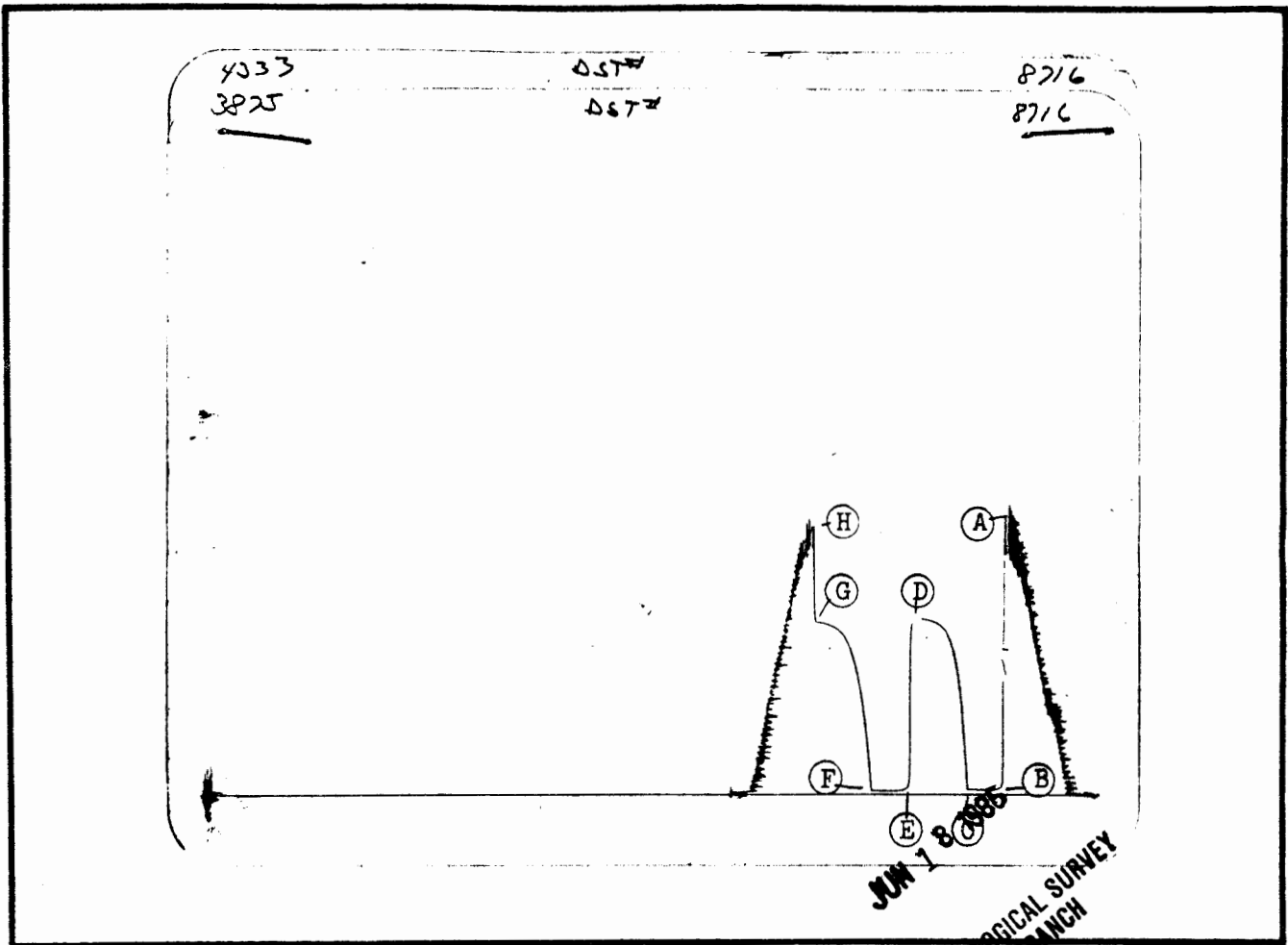
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Extra Equipment-Jars NO CONSERVATION DIVISION NO Extra Packer NO Straddle NO Hook Wall NO  
 Top Recorder No. 3875 Clock no. 57470 Depth 2816' Clr. Sub \_\_\_\_\_ Sampler NO  
 Bottom Recorder No. 4332 Clock No. 896P Depth 2817' Chlorides - pits \_\_\_\_\_ D.S.T. \_\_\_\_\_

Price of Job \_\_\_\_\_  
 Tool Operator Juan Lopez  
 Approved By Danny Gray

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Ticket No 8716



KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH

| POINT                                  | PRESSURE      |                |        |
|--|---------------|----------------|--------|
|  | FIELD READING | OFFICE READING |        |
| (A) Initial Hydrostatic Mud .....      | 1596          | 1573           | P.S.I. |
| (B) First Initial Flow Pressure .....  | 32            | 43             | P.S.I. |
| (C) First Final Flow Pressure .....    | 32            | 27             | P.S.I. |
| (D) Initial Closed-in Pressure .....   | 1014          | 1013           | P.S.I. |
| (E) Second Initial Flow Pressure ..... | 32            | 41             | P.S.I. |
| (F) Second Final Flow Pressure .....   | 32            | 23             | P.S.I. |
| (G) Final Closed-in Pressure .....     | 993           | 987            | P.S.I. |
| (H) Final Hydrostatic Mud .....        | 1521          | 1531           | P.S.I. |

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**SUPERIOR TESTERS**  
RR #1, Box 295B, Great Bend, Kansas

Date 5-20-86 Location 26 17<sup>s</sup> P<sup>2</sup> Elevation \_\_\_\_\_ County Ellsworth

Company JC Royer Number of Copies \_\_\_\_\_

Address P.O. Box 511 Hays, Kansas 67601

Charts Mailed to P.O. Box 511 Hays, Kansas 67601

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Lease Gray Well No. 75 Formation Tested Lansing K.C. Test No. 72

Depth 2880' Tested from 2852' to 2880' Packer Size 6 3/4 Anchor Length 28

Top Packer Depth 2847' ft. Bottom Packer Depth 2852' ft. Dual Packers yes

Tool Joint Size 4 1/2 F.H. Tool Size 5 1/2 O.D. Hole Size 2 3/4 Did Packer Hold yes

Drilling Contractor Duke Drilling Rig 1

Length Drill Pipe 1890' I.D. Drill Pipe 3.09 Tool Joint Size 4 1/2 F.H.

Length Weight Pipe 941' I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2 F.H.

Length Drill Collars None I.D. Drill Collars - Tool Joint Size -

Tool Open I.F.P. from 10:30 P.m to 11:00 P.m 30 min

Tool Closed I.C.I.P. from 11:00 P.m to 11:45 P.m 45 min

Tool Open F.F.P. from 11:45 P.m to 12:30 A.m 45 min

Tool Closed F.C.I.P. from 12:30 A.m to 1:30 A.m 60 min

|  |
|--|
| from [B] <u>53</u> P.S.I. to [C] <u>85</u> P.S.I.  |
| [D] <u>521</u> P.S.I.                              |
| from [E] <u>95</u> P.S.I. to [F] <u>127</u> P.S.I. |
| [G] <u>500</u> P.S.I.                              |

Initial Hydrostatic Pressure [A] 1618 P.S.I. Final Hydrostatic Pressure [H] 1581 P.S.I. Maximum Temp 104 °F

Initial Blow Good Blow - off the bottom - gas blown - 5' in 10' in

Final Blow Fair Blow - blowing started 10" with water.

Gas to Surface None Min. Oil to Surface None Min. Mut Weight 9.9 Viscosity 40

Gas Guaged None

Recovery 240' Gas

250' Oil spotted Gas mixed water

40% mud 35% water 4% gas 21% Gas

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Extra Equipment-Jars NO Safety Joint NO Extra Packer NO Straddle NO Hook Wall NO

Top Recorder No. 3875 Clock no. 27440 Depth 2874' Cir. Sub - Sampler NO

Bottom Recorder No. 4333 Clock No. 2889 Depth 2872' Chlorides - pps 65,000 D.S.T. 77,000

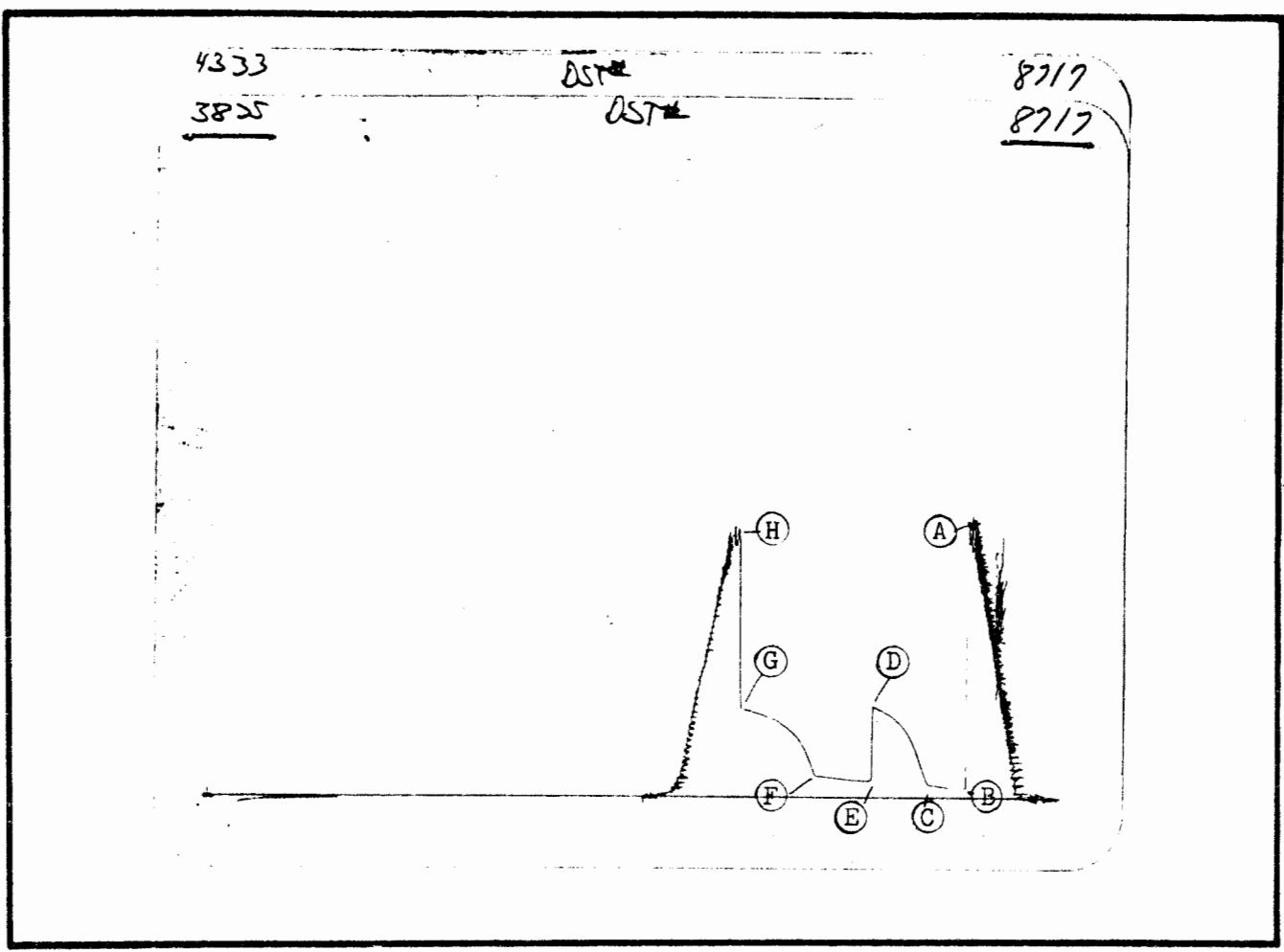
Price of Job \_\_\_\_\_

Tool Operator Dwan Supper

Approved By \_\_\_\_\_

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Ticket No 8717



| POINT                            | PRESSURE      |                |        |
|----------------------------------|---------------|----------------|--------|
|                                  | FIELD READING | OFFICE READING |        |
| (A) Initial Hydrostatic Mud      | 1611          | 1611           | P.S.I. |
| (B) First Initial Flow Pressure  | 53            | 58             | P.S.I. |
| (C) First Final Flow Pressure    | 85            | 71             | P.S.I. |
| (D) Initial Closed-in Pressure   | 521           | 519            | P.S.I. |
| (E) Second Initial Flow Pressure | 95            | 99             | P.S.I. |
| (F) Second Final Flow Pressure   | 127           | 121            | P.S.I. |
| (G) Final Closed-in Pressure     | 500           | 502            | P.S.I. |
| (H) Final Hydrostatic Mud        | 1581          | 1540           | P.S.I. |

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RR #1, Box 295B, Great Bend, Kansas

Date 5-22-86 Location 26 17 8" Elevation \_\_\_\_\_ County Ellsworth

Company J.C. Boyer Number of Copies \_\_\_\_\_

Address P.O. Box 511 Hays, Kansas 67601

Charts Mailed to P.O. Box 511 Hays, Kansas 67601

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Lease Gray Well No. #1 Formation Tested Arkenshale Test No. #3

Depth 3293' Tested from 3275' to 3293' Packer Size 6 7/8 Anchor Length 18'

Top Packer Depth 3270' ft. Bottom Packer Depth 3275' ft. Dual Packers yes

Tool Joint Size 4 1/2 F.H. Tool Size 5 3/8 O.D. Hole Size 2 7/8 Did Packer Hold yes

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 2313' I.D. Drill Pipe 3 3/8 Tool Joint Size 4 1/2 F.H.

Length Weight Pipe 941 I.D. Weight Pipe 2 7/8 Tool Joint Size 4 1/2 F.H.

Length Drill Collars None I.D. Drill Collars - Tool Joint Size -

Tool Open I.F.P. from 1:00 P.m to 1:30 P.m 30 min

Tool Closed I.C.I.P. from 1:30 P.m to 2:15 P.m 45 min

Tool Open F.F.P. from 2:15 P.m to 2:45 P.m 30 min

Tool Closed F.C.I.P. from 2:45 P.m to 3:30 P.m 45 min

from [B] 85 P.S.I. to [C] 510 P.S.I.  
[D] 1078 P.S.I.  
from [E] 553 P.S.I. to [F] 714 P.S.I.  
[G] 1078 P.S.I.

Initial Hydrostatic Pressure [A] 1972 P.S.I. Final Hydrostatic Pressure [H] 1929 P.S.I. Maximum Temp 121 °F

Initial Blow Strong Blow - 3 minutes off the bottom of the bucket

Final Blow Strong Blow - 3 minutes off the bottom of the bucket

Gas to Surface None Min. Oil to Surface None Min. Mut Weight 10 Viscosity 45

Gas Guaged None

Recovery 1850' oil cut water  
10% oil 90% water

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Extra Equipment-Jars NO Safety Joint NO Extra Packer NO Hook Wall NO

Top Recorder No. 3825 Clock no. 8968 Depth 3297' Clr. Sub \_\_\_\_\_ Sampler NO

Bottom Recorder No. 4333 Clock No. 27440 Depth 300' Chlorides - pits \_\_\_\_\_ D.S.T. \_\_\_\_\_

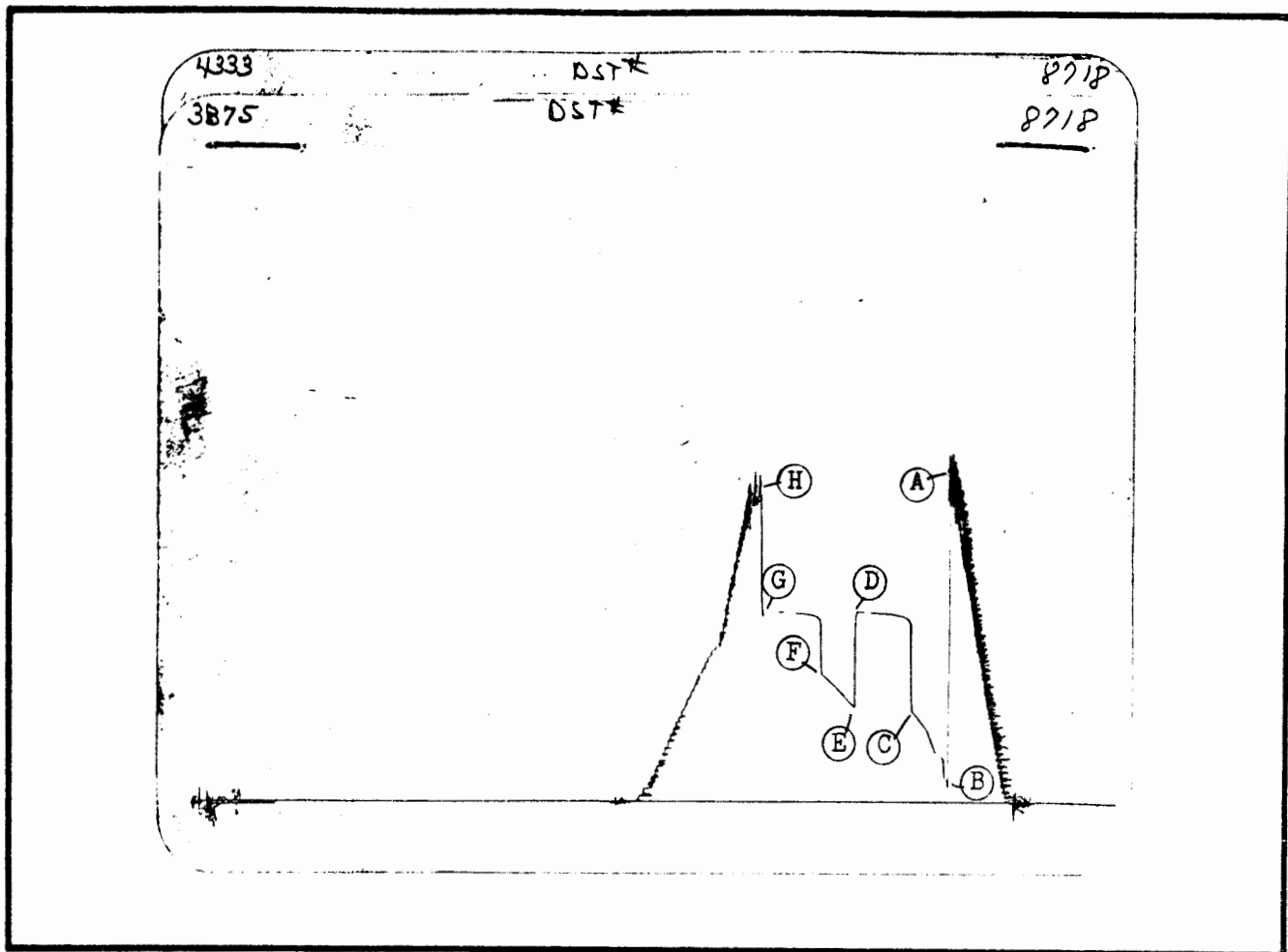
Price of Job \_\_\_\_\_

Tool Operator John Simpson

Approved By \_\_\_\_\_

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Ticket No 8718



| POINT                            | PRESSURE      |                | P.S.I. |
|----------------------------------|---------------|----------------|--------|
|                                  | FIELD READING | OFFICE READING |        |
| (A) Initial Hydrostatic Mud      | 1972          | 1806           | P.S.I. |
| (B) First Initial Flow Pressure  | 85            | 115            | P.S.I. |
| (C) First Final Flow Pressure    | 510           | 510            | P.S.I. |
| (D) Initial Closed-in Pressure   | 1078          | 1077           | P.S.I. |
| (E) Second Initial Flow Pressure | 553           | 540            | P.S.I. |
| (F) Second Final Flow Pressure   | 714           | 716            | P.S.I. |
| (G) Final Closed-in Pressure     | 1078          | 1078           | P.S.I. |
| (H) Final Hydrostatic Mud        | 1929          | 1806           | P.S.I. |

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