

| Flow Time | 1st Min. | 2nd Min. | Date | Ticket Number |
|---|----------|------------------|-----------------------------------|-------------------------------------|
| 15 | | 60 | 2-28-66 | 419482 S |
| Closed In Pres. Time | 1st Min. | 2nd Min. | Kind of Job | Halliburton District |
| 30 | | 30 | OPEN HOLE | GREAT BEND |
| Pressure Readings | Field | Office Corrected | Tester | Witness |
| | | | MOORE | MR. WALCHER |
| Depth Top Gauge | Ft. | Blanked Off | Drilling Contractor | |
| | | | WOODMAN IANNITTI DRILLING COMPANY | SS |
| BT. P.R.D. No. | | Hour Clock | Elevation | Top Packer |
| | | | 1773' DF | 3185' |
| Initial Hydro Mud Pressure | | | Total Depth | Bottom Packer |
| | | | 3220' | 3190' |
| Initial Closed in Pres. | | | Interval Tested | Formation Tested |
| | | | 3190' | CONGLOMERATE |
| Initial Flow Pres. | 1 | | Casing or Hole Size | Casing Perfs. { Top Bot. |
| | 2 | | 7 7/8" | |
| Final Flow Pres. | 1 | | Surface Choke | Bottom Choke |
| | 2 | | 1" | 3/4" |
| Final Closed in Pres. | | | Size & Kind Drill Pipe | Drill Collars Above Tester |
| | | | 4 1/2" FH | I.D. - LENGTH |
| Final Hydro Mud Pressure | | | Mud Weight | Mud Viscosity |
| | | | 10.2 | 44' |
| Depth Cen. Gauge | Ft. | Blanked Off | Temperature | Anchor Size & Length |
| | | | 92 °F Est. | ID 4 1/2" X 30' |
| BT. P.R.D. No. | | Hour Clock | Depths Mea. From | Depth of Tester Valve |
| | | | KELLY BUSHING | 3284' Ft. |
| Initial Hydro Mud Pres. | | | Cushion | Depth Back Pres. Valve |
| | | | | Ft. |
| Initial Closed in Pres. | | | Recovered | Mea. From Tester Valve |
| | | | 110 Feet of | trace of oil thin watery mud with a |
| Initial Flow Pres. | 1 | | Recovered | Feet of |
| | 2 | | | |
| Final Flow Pres. | 1 | | Recovered | Feet of |
| | 2 | | | |
| Final Closed in Pres. | | | Recovered | Feet of |
| | | | | |
| Final Hydro Mud Pres. | | | Oil A.P.I. Gravity | Water Spec. Gravity |
| | | | | |
| Depth Bot. Gauge | 3216 Ft. | Blanked Off | Gas Gravity | Surface Pressure |
| | | yes | | psi |
| BT. P.R.D. No. | 396 | Hour Clock | Tool Opened | Tool Closed |
| | | 12 | 6:00 A.M. P.M. | 7:45 A.M. P.M. |
| Initial Hydro Mud Pres. | 1808 | | 1776 | |
| Initial Closed in Pres. | 104 | | 106 | |
| Initial Flow Pres. | 35 | 1 | 33 | |
| | 52 | 2 | 54 | |
| Final Flow Pres. | 52 | 1 | 45 | |
| | 87 | 2 | 82 | |
| Final Closed in Pres. | 104 | | 102 | |
| Final Hydro Mud Pres. | 1747 | | 1766 | |
| Remarks Tool opened for 15 minute first flow with weak blow & increasing slightly. Closed for 30 minute initial closed in pressure. Reopened for 60 minute second flow with steady weak blow. Closed for 30 minute final closed in pressure. | | | | |

STURN
 Lease Name
 36-17-10SE-NW-NE
 Well No.
 Test No.
 Field Area
 WAYNE E. WALCHER
 Lease Owner/Company Name
 County ELLSWORTH
 State KANSAS
 Owner's District

FORMATION TEST DATA

4

| Gauge No. | | Depth | | | Clock | | hour | | Ticket No. 419482 | |
|-------------------|------------------|----------------------------|-----------------------------------|------------------|--------------------|------------------|--------------------------|-----------------------------------|-------------------|--|
| First Flow Period | | Initial Closed In Pressure | | | Second Flow Period | | Final Closed In Pressure | | | |
| Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | Log $\frac{t + \ominus}{\ominus}$ | PSIG Temp. Corr. | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | Log $\frac{t + \ominus}{\ominus}$ | PSIG Temp. Corr. | |
| P ₀ | | | | | | | | | | |
| P ₁ | | | | | | | | | | |
| P ₂ | | | | | | | | | | |
| P ₃ | | | | | | | | | | |
| P ₄ | | | | | | | | | | |
| P ₅ | | | | | | | | | | |
| P ₆ | | | | | | | | | | |
| P ₇ | | | | | | | | | | |
| P ₈ | | | | | | | | | | |
| P ₉ | | | | | | | | | | |
| P ₁₀ | | | | | | | | | | |

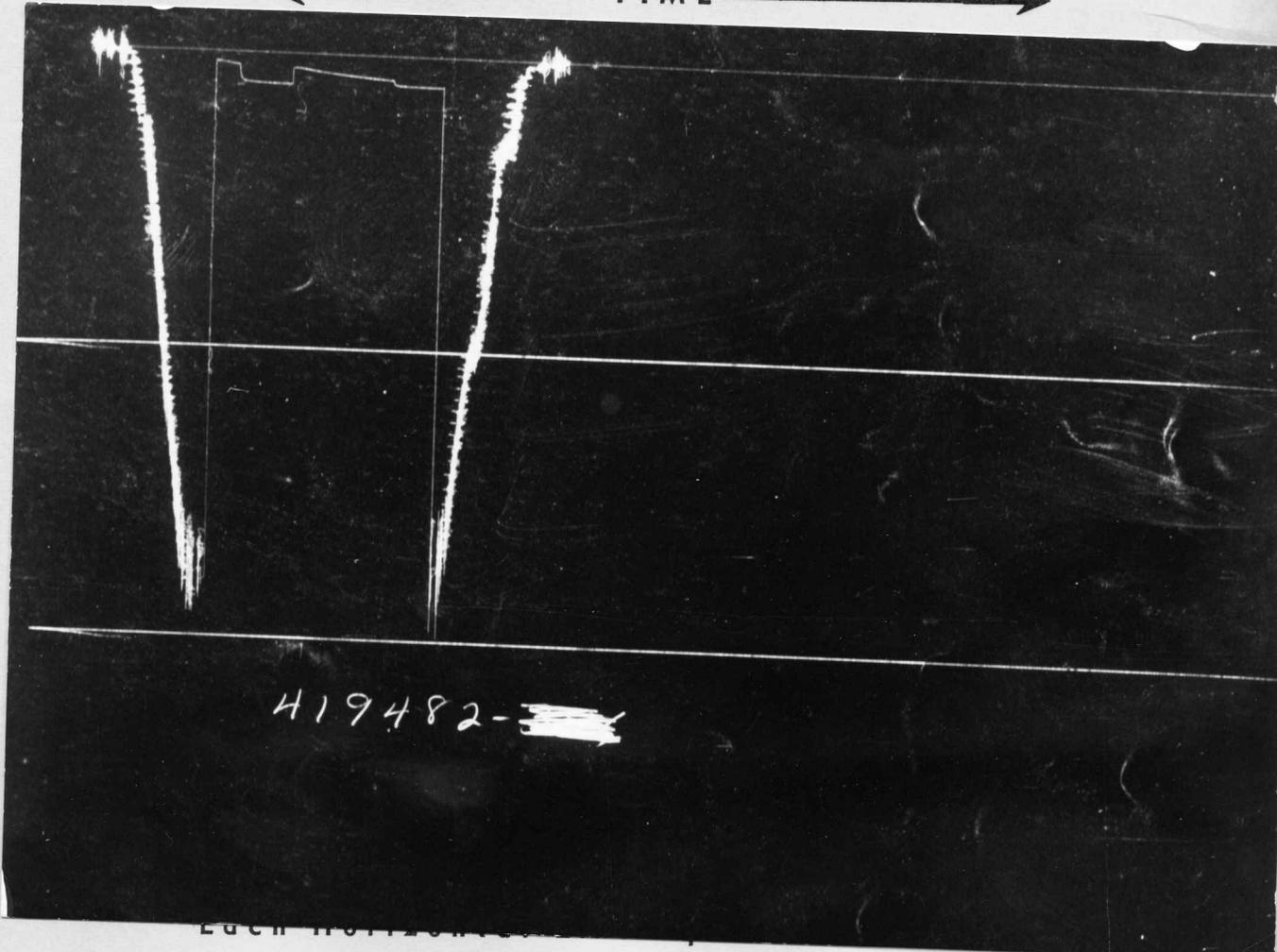
| Gauge No. 396 | | Depth 3216' | | | Clock 12 | | hour | | |
|------------------|-------|-------------|------|--|----------|-------|------|------|---------|
| P ₀ | .000 | 33 | .000 | | 45 | .000 | 54 | .000 | 82 |
| P ₁ | .0186 | 35 | .021 | | 99 | .0993 | 60 | .020 | 100 |
| P ₂ | .0372 | 37 | .042 | | 102 | .1986 | 69 | .040 | 102 |
| P ₃ | .0558 | 40 | .063 | | 104 | .2979 | 77 | .060 | 102 |
| P ₄ | .0744 | 43 | .084 | | 105 | .3970 | 82 | .080 | 102 |
| P ₅ | .0930 | 45 | .105 | | 106 | | | .100 | 102 |
| P ₆ | | | .126 | | 106 | | | .120 | 102 |
| P ₇ | | | .147 | | 106 | .2979 | 77 | .140 | 102 |
| P ₈ | | | .168 | | 106 | .3970 | 82 | .160 | 102 |
| P ₉ | | | .189 | | 106 | | | .180 | 102 |
| P ₁₀ | | | .210 | | 106 | | | .200 | 102 |
| Reading Interval | 3 | | 3 | | | 15 | | 3 | Minutes |

REMARKS:

SPECIAL PRESSURE DATA

PRESSURE

TIME



419482-~~XXXXXX~~

EACH TRIGGER...

| Flow Time | 1st Min. | 2nd Min. | Date | Ticket Number |
|----------------------------|----------|------------------|---|----------------------------|
| 15 | 60 | 3-2-66 | 419483 S | |
| Closed In Press. Time | 1st Min. | 2nd Min. | Kind of Job | Halliburton District |
| 20 | 30 | OPEN HOLE | GREAT BEND | |
| Pressure Readings | Field | Office Corrected | Tester | Witness |
| | | | MOORE | WALCHER |
| Depth Top Gauge | Ft. | Blanked Off | Drilling Contractor | |
| | | | WOODMAN-JANITTI DRILLING COMPANY | SS |
| BT. P.R.D. No. | | Hour Clock | Elevation | Top Packer |
| | | | 1773° DF | 3236° |
| Initial Hydro Mud Pressure | | | Total Depth | Bottom Packer |
| | | | 3250° | 3241° |
| Initial Closed in Pres. | | | Interval Tested | Formation Tested |
| | | | 3241° - 3250° | ARBUCKLE |
| Initial Flow Pres. | 1 | | Casing or Hole Size | Casing Perfs. } Top |
| | 2 | | 7 7/8" | Bot. |
| Final Flow Pres. | 1 | | Surface Choke | Bottom Choke |
| | 2 | | 1" | 3/4" |
| Final Closed in Pres. | | | Size & Kind Drill Pipe | Drill Collars Above Tester |
| | | | 4 1/2" FH | I.D. - LENGTH |
| Final Hydro Mud Pressure | | | Mud Weight | Mud Viscosity |
| | | | 10.3 | 48 |
| Depth Cen. Gauge | Ft. | Blanked Off | Temperature | Anchor Size & Length |
| | | | 93 °F Est. | ID 4 1/2" X 9" |
| BT. P.R.D. No. | | Hour Clock | Depths Mea. From | Depth of Tester Valve |
| | | | KELLY BUSHING | 3225° Ft. |
| Initial Hydro Mud Pres. | | | Cushion | Depth Back Pres. Valve |
| | | | | Ft. Ft. |
| Initial Closed in Pres. | | | Recovered | Feet of |
| | | | 15 | OIL CUT MUD |
| Initial Flow Pres. | 1 | | Recovered | Feet of |
| | 2 | | | |
| Final Flow Pres. | 1 | | Recovered | Feet of |
| | 2 | | | |
| Final Closed in Pres. | | | Recovered | Feet of |
| | | | | |
| Final Hydro Mud Pres. | | | Oil A.P.I. Gravity | Water Spec. Gravity |
| | | | | |
| Depth Bot. Gauge | 3246 Ft. | Blanked Off | Gas Gravity | Surface Pressure |
| | | yes | | psi |
| BT. P.R.D. No. | 396 | Hour Clock | Tool Opened | Tool Closed |
| | | 12 | 3:03 | 4:38 am |
| Initial Hydro Mud Pres. | 1755 | | Remarks | |
| | | 1773 | Tool opened for 15 minute first flow with | |
| Initial Closed in Pres. | 356 | | weak blow. Closed for 20 minute initial closed in | |
| Initial Flow Pres. | 17 | 1 | pressure. Reopened for 60 minute second flow with | |
| | 26 | 2 | steady weak blow. Closed for 30 minute final closed | |
| Final Flow Pres. | 26 | 1 | in pressure. | |
| | 35 | 2 | | |
| Final Closed in Pres. | 226 | | | |
| | | 221 | | |
| Final Hydro Mud Pres. | 1747 | | | |
| | | 1773 | | |

FORMATION TEST DATA

Legal Location: 36-17-10 SE-NW-NE
 Sec. - Twp. - Rng. 36-17-10 SE-NW-NE
 Lease Name: COUN
 Well No.:
 Test No.:
 Field Area:
 Lease Owner/Company Name:
 County: ELI SWORTH
 State: KANSAS
 Owner's District:

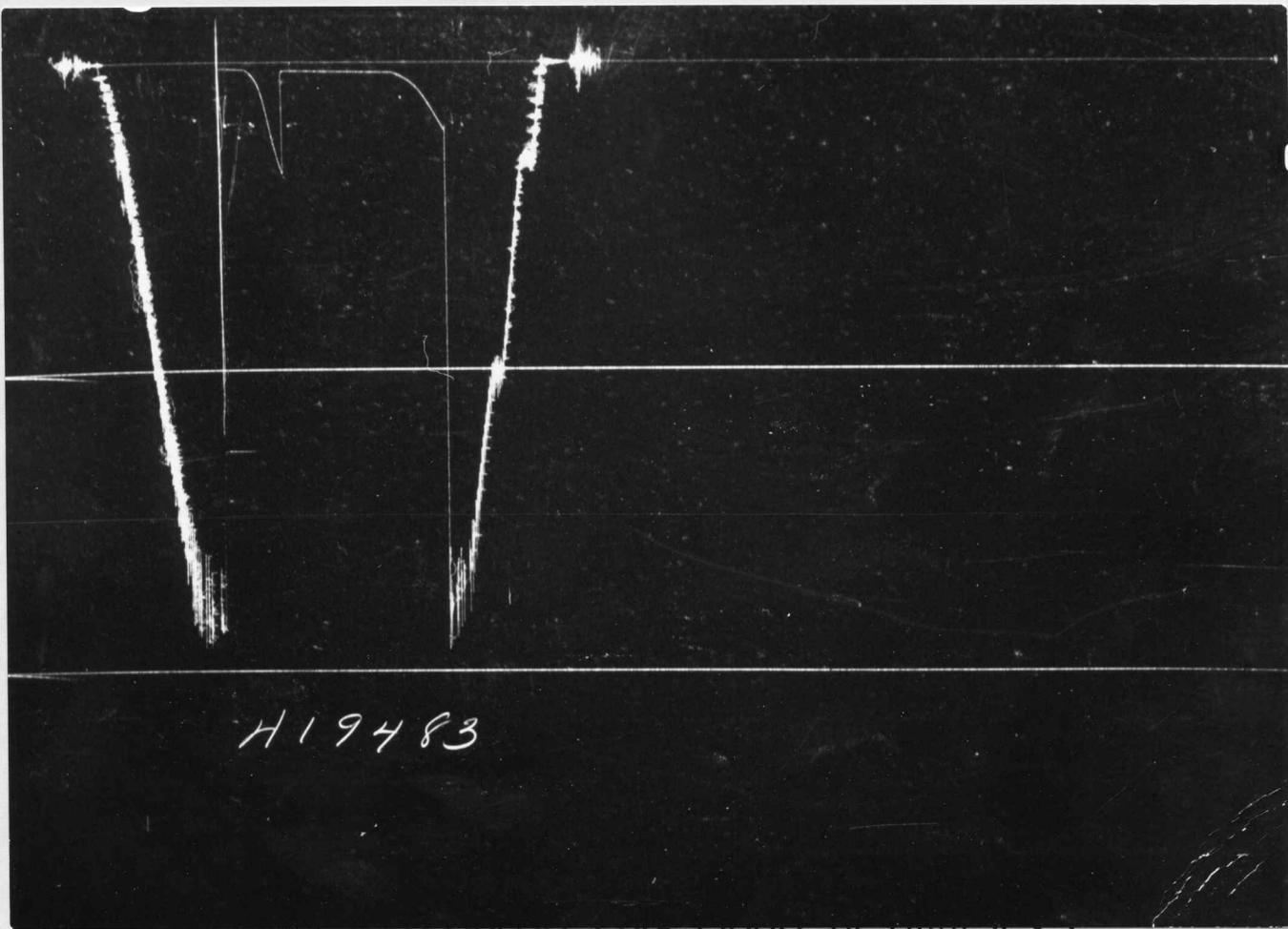
| Gauge No. | | Depth | | | Clock | | hour | | | Ticket No. 419483 | | |
|-------------------|------------------|----------------------------|---------------------------|------------------|--------------------|------------------|--------------------------|---------------------------|------------------|-------------------|--|--|
| First Flow Period | | Initial Closed In Pressure | | | Second Flow Period | | Final Closed In Pressure | | | | | |
| Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | Log $\frac{t+\phi}{\phi}$ | PSIG Temp. Corr. | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | Log $\frac{t+\phi}{\phi}$ | PSIG Temp. Corr. | | | |
| P ₀ | | | | | | | | | | | | |
| P ₁ | | | | | | | | | | | | |
| P ₂ | | | | | | | | | | | | |
| P ₃ | | | | | | | | | | | | |
| P ₄ | | | | | | | | | | | | |
| P ₅ | | | | | | | | | | | | |
| P ₆ | | | | | | | | | | | | |
| P ₇ | | | | | | | | | | | | |
| P ₈ | | | | | | | | | | | | |
| P ₉ | | | | | | | | | | | | |
| P ₁₀ | | | | | | | | | | | | |

| Gauge No. 396 | | Depth 3246' | | | Clock 12 | | hour | | |
|------------------|------|-------------|-------|-----|----------|----|---------|-----|--|
| P ₀ | .000 | 22 | .000 | 23 | .000 | 30 | .000 | 32 | |
| P ₁ | .100 | 23 | .0143 | 30 | .415 | 32 | .202 | 221 | |
| P ₂ | | | .0286 | 43 | | | | | |
| P ₃ | | | .0429 | 58 | | | | | |
| P ₄ | | | .0572 | 84 | | | | | |
| P ₅ | | | .0715 | 125 | | | | | |
| P ₆ | | | .0858 | 175 | | | | | |
| P ₇ | | | .1001 | 234 | | | | | |
| P ₈ | | | .1144 | 281 | | | | | |
| P ₉ | | | .1287 | 324 | | | | | |
| P ₁₀ | | | .1430 | 361 | | | | | |
| Reading Interval | | 2 | | | | | Minutes | | |
| REMARKS: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

SPECIAL PRESSURE DATA

PRESSURE

TIME



H19483

Each horizontal line equal to 1000 p.s.i.