**DIAMOND TESTING**
P. O. Box 157
**HOISINGTON, KANSAS 67544**
(316) 653-7550



Company Trans Pacific Oil Corp. Lease & Well No. Hugoton No. 2-30

Elevation 3251 KB Formation Upper Morrow Effective Pay --Ft. Ticket No. 943

Date 4-4-93 Sec. 30 Twp. 31S Range 39W County Morton State Kansas

Test Approved By Jon D. Christensen Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 5,352 ft. to 5,512 ft. Total Depth 5,512 ft.

Packer Depth 5,347 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5,352 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5,334 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 5,509 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Trans Pac Drlg, Inc. - Rig 2 Drill Collar Length 265 ft. I.D. 2 3/8 in.

Mud Type Chemical Viscosity 50 Drill Collar Length 217 ft. I.D. 2 7/16 in.

Weight 9.0 Water Loss 6.4 cc. Drill Pipe Length 4,839 ft. I.D. 3½ in.

Chlorides 1,100 P.P.M. Test Tool Length 31 ft. Tool Size 3½-IF in.

Jars: Make Bowen Serial Number 1 Anchor Length 36' perf. w/124' drillpipe Size 4½-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½-XH in.

Blow: 1st Open: Weak, ½ in., blow increasing to 1 in. Decreasing after 14 mins. to 3/4 in. at end
2nd Open: Weak, ¼ in., blow increasing to ½ in. Decreasing after 20 mins. to a weak, surface blow.

Recovered 20 ft. of drilling mud = .1096 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 5:00 ~~A.M.~~ P.M. Time Started Off Bottom 7:00 ~~A.M.~~ P.M. Maximum Temperature 132°

Initial Hydrostatic Pressure ..... (A) 2599 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 112 P.S.I. to (C) 112 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 123 P.S.I.

Final Flow Period ..... Minutes 30 (E) 112 P.S.I. to (F) 112 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 123 P.S.I.

Final Hydrostatic Pressure ..... (H) 2567 P.S.I.

**DIAMOND TESTING**
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313



# FLUID SAMPLE DATA

Company Trans Pacific Oil Corp.

Lease & Well No. Hugoton No. 2-30

Date 4-4-93 Sec. 30 Twp. 31 S Range 39 W

Formation Test No. 1 Interval Tested From 5,352 ft. to 5,512 ft. Total Depth 5,512 ft.

Formation Upper Morrow

| | MUD PIT | RECOVERY |
|---|---|---|
| Viscosity | 50 CP | 78 CP |
| Weight | 9.0 | 9.0 |
| Water Loss | 6.4 CC | 5.6 CC |
| PH Factor | 9.5 | 9.5 |

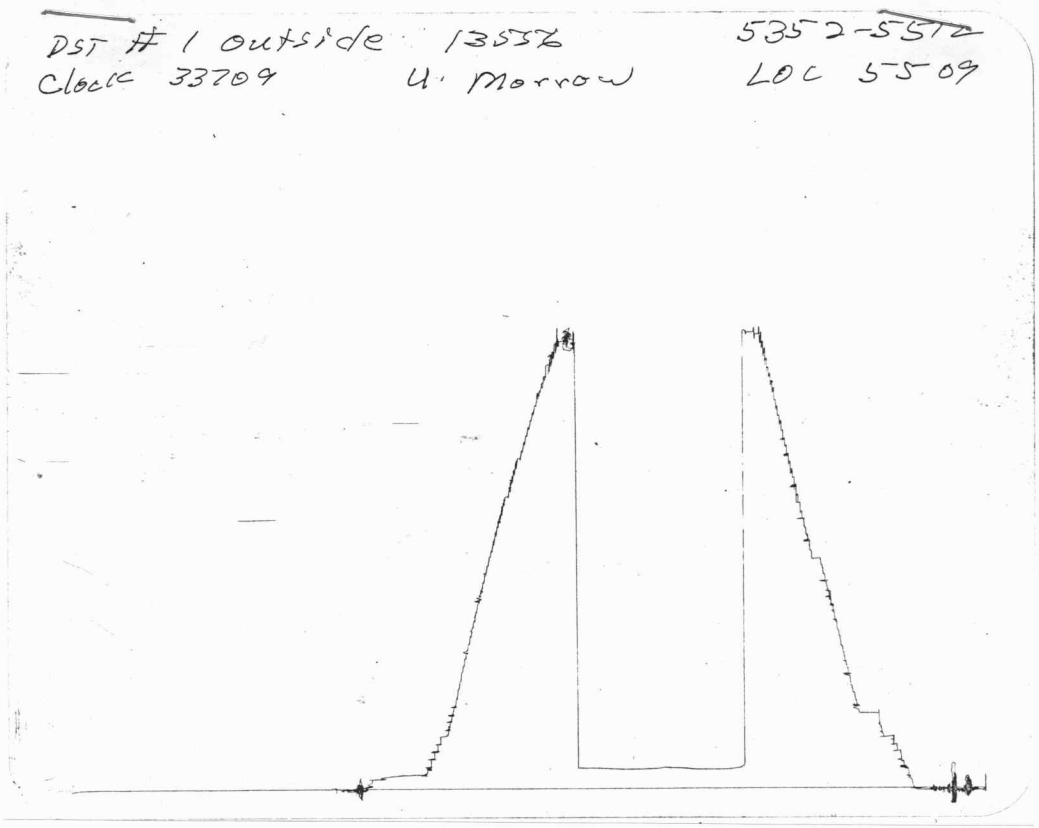
| | RESISTIVITY | | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | -- | @ -- | °F. | -- ppm |
| Recovery Mud | 1.38 | @ 71 | °F. | 4,200 ppm |
| Recovery Mud Filtrate | 1.42 | @ 74 | °F. | 4,000 ppm |
| Mud Pit Sample | 2.80 | @ 64 | °F. | 2,100 ppm |
| Mud Pit Sample Filtrate | 3.00 | @ 76 | °F. | 1,800 ppm |

Sample Taken By Roger D. Friedly

Witness By Jon D. Christensen

Remarks Pit filtrate triton dish chlorides were 1,100 Ppm.
Recovery filtrate triton dish chlorides were 2,100 Ppm.

COMPANY Trans Pacific Oil Corp. LEASE AND WELL NO. Hugoton No. 2-30 SEC. 30 TWP. 31S RGE. 39W TEST NO. 1 DATE 4-4-93




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2599 | 2605 | PSI |
| (B) | First Initial Flow Pressure | 112 | 116 | PSI |
| (C) | First Final Flow Pressure | 112 | 110 | PSI |
| (D) | Initial Closed-in Pressure | 123 | 124 | PSI |
| (E) | Second Initial Flow Pressure | 112 | 118 | PSI |
| (F) | Second Final Flow Pressure | 112 | 110 | PSI |
| (G) | Final Closed-in Pressure | 123 | 124 | PSI |
| (H) | Final Hydrostatic Mud | 2567 | 2570 | PSI |

**DIAMOND TESTING**
P. O. Box 157
**HOISINGTON, KANSAS 67544**
(316) 653-7550



Company Trans Pacific Oil Corp. Lease & Well No. Hugoton No. 2-30

Elevation 3251 KB Formation Lower Morrow Effective Pay 6 Ft. Ticket No. 944

Date 4-6-93 Sec. 30 Twp. 31S Range 39W County Morton State Kansas

Test Approved By Jon D. Christensen Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 5,740 ft. to 5,772 ft. Total Depth 5,772 ft.

Packer Depth 5,735 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5,740 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5,722 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 5,769 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Trans Pac Drlg, Inc. - Rig 2 Drill Collar Length 324 ft. I.D. 2 3/8 in.

Mud Type Chemical Viscosity 60 Drill Collar Length 247 ft. I.D. 2 7/16 in.

Weight 9.0 Water Loss 5.0 cc. Drill Pipe Length 5,138 ft. I.D. 3½ in.

Chlorides 1,500 P.P.M. Test Tool Length 31 ft. Tool Size 3½-IF in.

Jars: Make Bowen Serial Number 1 Anchor Length 32 ft. Size 4½-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½-XH in.

Blow: 1st Open: Weak, ¼ in., blow increasing to a strong, 10 in., blow at end.
2nd Open: Fair, 2 in., blow increasing to a good, 6 3/4 in., blow at end.

Recovered 735 ft. of gas in pipe

Recovered 10 ft. of drilling mud with a few oil specks & rainbow show in tool = .0548 bbls.

Recovered 10 ft. of TOTAL FLUID = .0548 bbls.

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 7:00 A.M. P.M. Time Started Off Bottom 11:15 A.M. P.M. Maximum Temperature 156°

Initial Hydrostatic Pressure ..... (A) 2803 P.S.I.

Initial Flow Period ..... Minutes 60 (B) 56 P.S.I. to (C) 36 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 200 P.S.I.

Final Flow Period ..... Minutes 60 (E) 56 P.S.I. to (F) 45 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 256 P.S.I.

Final Hydrostatic Pressure ..... (H) 2691 P.S.I.

**DIAMOND TESTING**
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313



# FLUID SAMPLE DATA

Company Trans Pacific Oil Corp.

Lease & Well No. Hugoton No. 2-30

Date 4-6-93 Sec. 30 Twp. 31 S Range 39 W

Formation Test No. 2 Interval Tested From 5,740 ft. to 5,772 ft. Total Depth 5,772 ft.

Formation Lower Morrow

| | MUD PIT | RECOVERY |
|---|---|---|
| Viscosity | 60 CP | 142 CP |
| Weight | 9.0 | 9.1 |
| Water Loss | 5.0 CC | 5.6 CC |
| PH Factor | 9.5 | 9.5 |

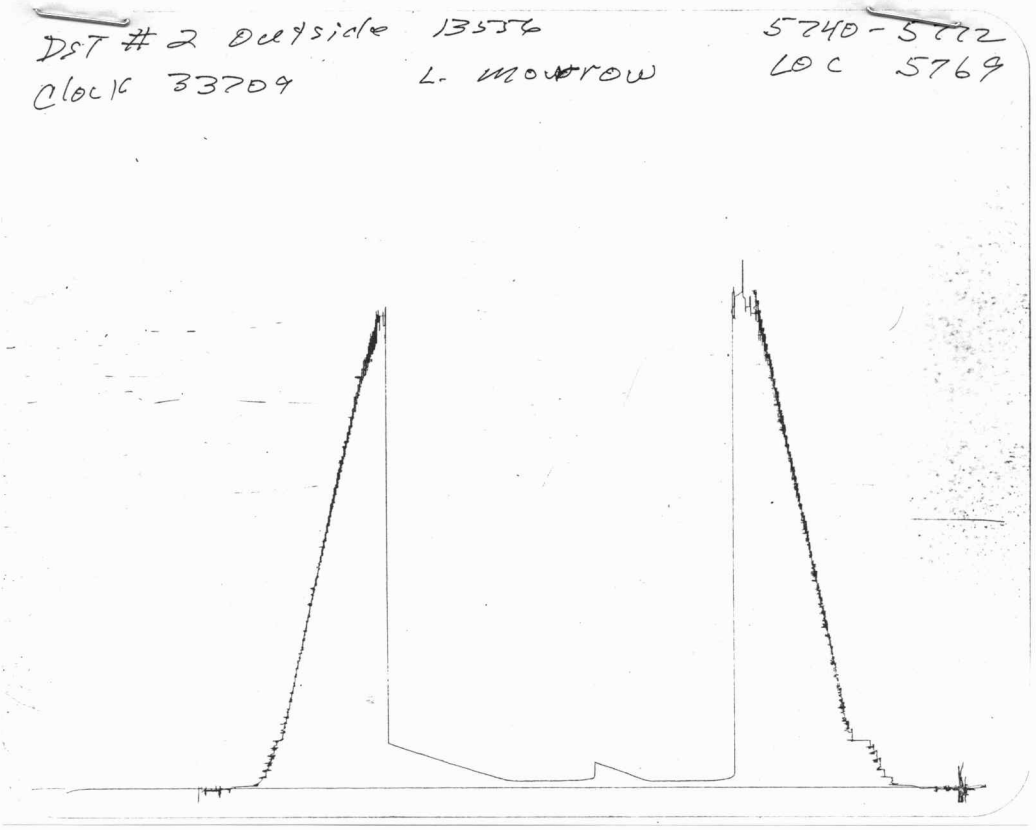
| | RESISTIVITY | | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | -- | @ -- | °F. | -- ppm |
| Recovery Mud | 1.70 | @ 68 | °F. | 3,500 ppm |
| Recovery Mud Filtrate | 1.80 | @ 66 | °F. | 3,600 ppm |
| Mud Pit Sample | 1.70 | @ 68 | °F. | 3,500 ppm |
| Mud Pit Sample Filtrate | 2.60 | @ 66 | °F. | 3,000 ppm |

Sample Taken By Roger D. Friedly

Witness By Jon D. Christensen

Remarks Pit filtrate triton dish chlorides were 1,500 Ppm.
Recovery filtrate triton dish chlorides were 2,100 Ppm.

COMPANY Trans Pacific Oil Corp. LEASE AND WELL NO. Hugoton No. 2-30 SEC. 30 TWP. 31S RGE. 39W TEST NO. 2 DATE 4-6-93




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2803 | 2813 | PSI |
| (B) | First Initial Flow Pressure | 56 | 62 | PSI |
| (C) | First Final Flow Pressure | 36 | 38 | PSI |
| (D) | Initial Closed-in Pressure | 200 | 202 | PSI |
| (E) | Second Initial Flow Pressure | 56 | 64 | PSI |
| (F) | Second Final Flow Pressure | 45 | 42 | PSI |
| (G) | Final Closed-in Pressure | 256 | 256 | PSI |
| (H) | Final Hydrostatic Mud | 2691 | 2688 | PSI |

**DIAMOND TESTING**
P. O. Box 157
**HOISINGTON, KANSAS 67544**
(316) 653-7550



Company Trans Pacific Oil Corp. Lease & Well No. Hugoton No. 2-30

Elevation 3251 KB Formation Keyes "SS" Effective Pay 15 Ft. Ticket No. 945

Date 4-7-93 Sec. 30 Twp. 31S Range 39W County Morton State Kansas

Test Approved By Jon D. Christensen Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 5,770 ft. to 5,820 ft. Total Depth 5,820 ft.

Packer Depth 5,765 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 5,770 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5,752 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 5,817 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____

Drilling Contractor Trans Pac Drlg, Inc. - Rig 2 Drill Collar Length 324 ft. I.D. 2 3/8 in.

Mud Type Chemical Viscosity 64 Drill Collar Length 247 ft. I.D. 2 7/16 in.

Weight 9.1 Water Loss 5.6 cc. Drill Pipe Length 5,168 ft. I.D. 3½ in.

Chlorides 2,000 P.P.M. Test Tool Length 31 ft. Tool Size 3½-IF in.

Jars: Make Bowen Serial Number 1 Anchor Length 50 ft. Size 4½-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½-XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 23 secs. Gas to surface in 2 mins. (SEE GAS VOLUME REPORT)

2nd Open: Strong blow. Off bottom of bucket immediately.

Recovered -0- ft. of TOTAL FLUID (NONE. DRY.)

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks ____

Time Set Packer(s) 5:55 ~~P.M.~~ A.M. Time Started Off Bottom 9:25 ~~P.M.~~ A.M. Maximum Temperature 162°

Initial Hydrostatic Pressure ..... (A) 2747 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 539 P.S.I. to (C) 496 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 639 P.S.I.

Final Flow Period ..... Minutes 30 (E) 517 P.S.I. to (F) 470 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 637 P.S.I.

Final Hydrostatic Pressure ..... (H) 2657 P.S.I.

**DIAMOND TESTING**
P. O. Box 157
**HOISINGTON, KANSAS 67544**
(800) 542-7313



# FLUID SAMPLE DATA

Company Trans Pacific Oil Corp.

Lease & Well No. Hugoton No. 2-30

Date 4-7-93 Sec. 30 Twp. 31 S Range 39 W

Formation Test No. 3 Interval Tested From 5,770 ft. to 5,820 ft. Total Depth 5,820 ft.

Formation Keyes "SS"

| | MUD PIT | RECOVERY | |
|---|---|---|---|
| Viscosity | 64 CP | -- CP | No Recovery |
| Weight | 9.1 | -- | |
| Water Loss | 5.6 CC | -- CC | |
| PH Factor | 9.5 | -- | |

| | RESISTIVITY | | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | -- | @ -- | °F. | -- ppm |
| Recovery Mud | -- | @ -- | °F. | -- ppm |
| Recovery Mud Filtrate | -- | @ -- | °F. | -- ppm |
| Mud Pit Sample | 1.70 | @ 66 | °F. | 3,600 ppm |
| Mud Pit Sample Filtrate | 2.00 | @ 68 | °F. | 3,500 ppm |

Sample Taken By Roger D. Friedly

Witness By Jon D. Christensen

Remarks Pit filtrate triton dish chlorides were 2,000 Ppm.

**DIAMOND TESTING**
P. O. Box 157
**HOISINGTON, KANSAS 67544**
(316) 653-7550



## GAS VOLUME REPORT

Company Trans Pacific Oil Corp. Lease & Well No. Hugoton No. 2-30

Date 4-7-93 Sec. 30 Twp. 31 S Rge. 39 W Location C S/2 S/2 SW County Morton State KS

Drilling Contractor Trans Pac Drlg, Inc. - Rig 2 Formation Keyes "SS" DST No. 3

Remarks: 1st Open: Gas to surface in 2 mins.

### INITIAL FLOW

Open Tool: 5:55 a.m.

| Time O'Clock | Orifice Size | Gauge | MCF/D |
|---|---|---|---|
| 6:00 a.m. | 1½ in. | 14 in. | 1,559 |
| 6:05 a.m. | 1½ in. | 21 in. | 2,012 |
| 6:10 a.m. | 1½ in. | 23 in. | 2,140 |
| 6:15 a.m. | 1½ in. | 23½ in. | 2,170 |
| 6:20 a.m. | 1½ in. | 23 in. | 2,140 |
| 6:25 a.m. | 1½ in. | 23 in. | 2,140 |
| | in. | in. | |
| | in. | in. | |
| | in. | in. | |
| | in. | in. | |
| | | | |

### FINAL FLOW

Open Tool: 7:25 a.m.

| Time O'Clock | Orifice Size | Gauge | MCF/D |
|---|---|---|---|
| 7:30 a.m. | 1½ in. | 21 in. | 2,012 |
| 7:32 a.m. | 1½ in. | 23 in. | 2,140 |
| 7:35 a.m. | 1½ in. | 24 in. | 2,200 |
| 7:40 a.m. | 1½ in. | 23½ in. | 2,170 |
| * 7:45 a.m. | 1½ in. | 23½ in. | 2,170 |
| 7:50 a.m. | 1½ in. | Surging 22-23 in. | 2,075 - 2,140 |
| 7:55 a.m. | 1½ in. | Surging 23-25 in. | 2,140 - 2,258 |
| | in. | in. | |
| | in. | in. | |
| | in. | in. | |
| | | | |

* Misting in 17 mins.

DIAMOND TESTING
CALCULATION OF FORMATION CHARACTERISTICS
FROM DST DATA



**********

| | | | |
|---|---|---|---|
| FOR: | TRANS PAC. OIL CORP. | | |
| LEASE: | HUGOTON #2-30 | DST #3 | |
| LOCATION: | 30-31S-39W | FORMATION: | KEYES SS |
| COUNTY: | MORTON, KS | ELEVATION: | 3251 KB |
| GAUGE DEPTH: | 5817 | DATUM: | -2566 |

**********TEST PARAMETERS**********

| | |
|---|---|
| TEST INTERVAL: 5770 - 5820 | EST PAY: 15 |
| TIME INTERVAL: 30 - 60 - 30 - 96 | GAS COMPRESSIBILITY: 1.22 |
| INITIAL FLOW PRESS: 622.3- 494.5 | VISCOSITY OF GAS: .033 |
| FINAL FLOW PRESS: 517.6- 469.2 | POROSITY FRACTION: .15 |
| SHUT-IN PRESS(I-F): 633.2- 620.1 | D.C. CAPACITY: 0.00548 |
| BOTTOM HOLE TEMPERATURE: 162 | W.P. CAPACITY: 0.00577 |
| TOTAL FEET OF RECOVERY: 0 | D.P. CAPACITY: 0.01189 |
| STAB FLOW RATE: 2.14 MCF | TOTAL BBLS FLUID: 0.0000 |

**********EXTRAPOLATED PRESSURE**********

EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 649
SLOPE (PSI^2-CYCLE): 41745 POINTS USED: 10

EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 649
SLOPE (PSI^2-CYCLE): 82477 POINTS USED: 7

********** GAS CALCULATIONS **********

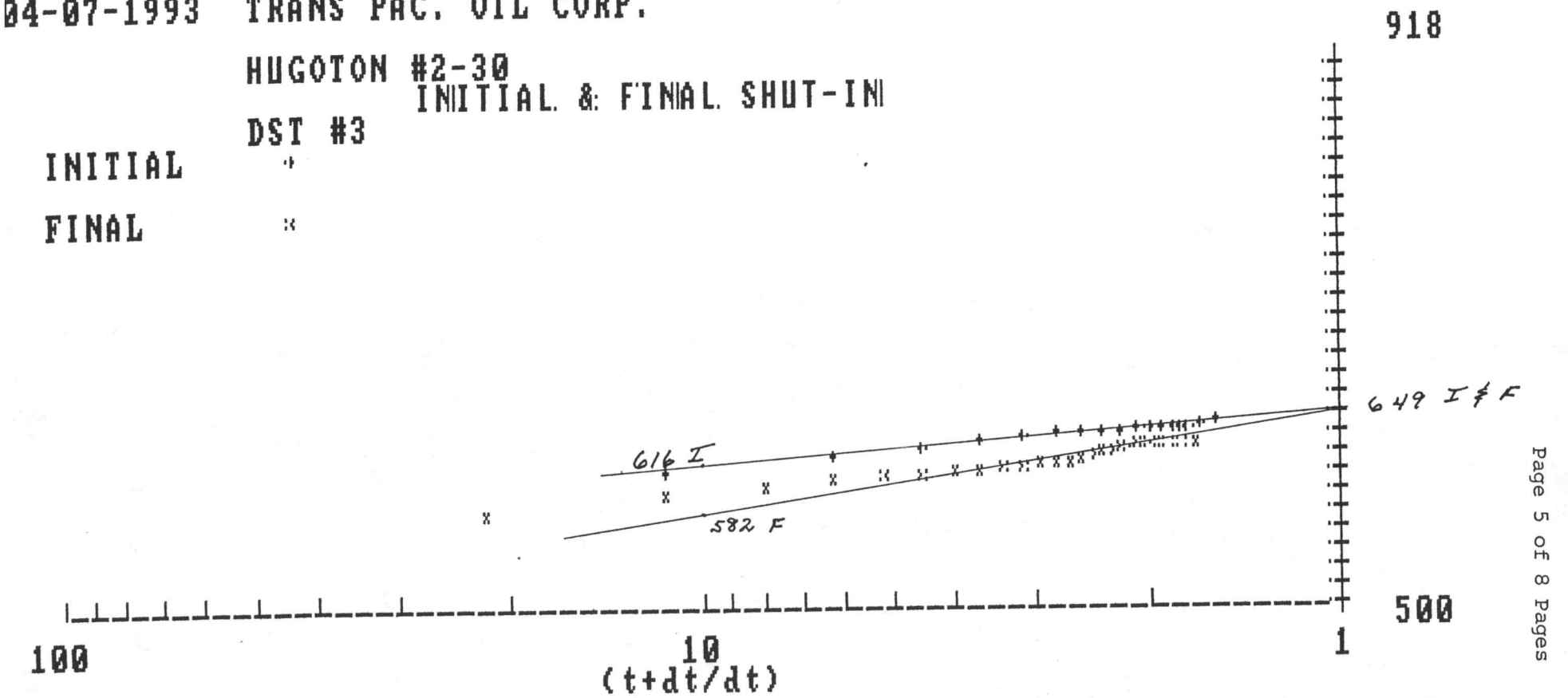
| | | |
|---|---|---|
| TRANSMISSIBILITY (MD-FT/CP) | : | 32.23 |
| THEORETICAL FLOW CAPACITY (MD-FT) | : | 1.06 |
| INDICATED FLOW CAPACITY (MD-FT) | : | 0.41 |
| AVERAGE EFFECTIVE PERMABILITY (MD) | : | 0.07 |
| DAMAGE RATIO | : | 2.602 |
| SKIN FACTOR (S) | : | -4.0 |
| DRAWDOWN FACTOR (%) | : | 0.000 |
| APPROXIMATE RADIUS OF INVESTIGATION (FT) | : | 2.1 |
| POTENTIOMETRIC SURFACE (FT) | : | -1061.0 |

04-07-1993 TRANS PAC. OIL CORP.

HUGOTON #2-30

INITIAL & FINAL SHUT-IN

DST #3



LEASE:HUGOTON #2-30
DST #:3
INITIAL SHUT-IN



==========

RECORDER NO: 13556  DEPTH: 5817 FT.
INTIAL FLOW TIME: T = 30 MIN.

| DT(MIN) | T+DT/DT | LOG((T+DT)/DT) | PRESS(PSIG) |
|---|---|---|---|
| 3 | 11.0000 | 1.041 | 597.2 |
| 6 | 6.0000 | 0.778 | 610.3 |
| 9 | 4.3333 | 0.637 | 615.8 |
| 12 | 3.5000 | 0.544 | 620.1 |
| 15 | 3.0000 | 0.477 | 622.3 |
| 18 | 2.6667 | 0.426 | 624.5 |
| 21 | 2.4286 | 0.385 | 625.6 |
| 24 | 2.2500 | 0.352 | 625.6 |
| 27 | 2.1111 | 0.325 | 626.7 |
| 30 | 2.0000 | 0.301 | 627.8 |
| 33 | 1.9091 | 0.281 | 627.8 |
| 36 | 1.8333 | 0.263 | 627.8 |
| 39 | 1.7692 | 0.248 | 627.8 |
| 42 | 1.7143 | 0.234 | 628.9 |
| 45 | 1.6667 | 0.222 | 628.9 |
| 48 | 1.6250 | 0.211 | 630.0 |
| 51 | 1.5882 | 0.201 | 631.1 |
| 54 | 1.5556 | 0.192 | 631.1 |
| 57 | 1.5263 | 0.184 | 632.1 |
| 60 | 1.5000 | 0.176 | 633.2 |

LEASE:HUGOTON #2-30
DST #:3
FINAL SHUT-IN



RECORDER NO: 13556 DEPTH: 5817 FT.
TOTAL FLOW TIME: T = 60 MIN.

| DT(MIN) | T+DT/DT | LOG((T+DT)/DT) | PRESS(PSIG) |
|---|---|---|---|
| 3 | 21.0000 | 1.322 | 568.8 |
| 6 | 11.0000 | 1.041 | 584.1 |
| 9 | 7.6667 | 0.885 | 589.6 |
| 12 | 6.0000 | 0.778 | 593.9 |
| 15 | 5.0000 | 0.699 | 597.2 |
| 18 | 4.3333 | 0.637 | 598.3 |
| 21 | 3.8571 | 0.586 | 600.5 |
| 24 | 3.5000 | 0.544 | 601.6 |
| 27 | 3.2222 | 0.508 | 602.7 |
| 30 | 3.0000 | 0.477 | 603.8 |
| 33 | 2.8182 | 0.450 | 604.9 |
| 36 | 2.6667 | 0.426 | 605.9 |
| 39 | 2.5385 | 0.405 | 607.0 |
| 42 | 2.4286 | 0.385 | 608.1 |
| 45 | 2.3333 | 0.368 | 611.4 |
| 48 | 2.2500 | 0.352 | 613.6 |
| 51 | 2.1765 | 0.338 | 614.7 |
| 54 | 2.1111 | 0.325 | 615.8 |
| 57 | 2.0526 | 0.312 | 618.0 |
| 60 | 2.0000 | 0.301 | 619.0 |
| 63 | 1.9524 | 0.291 | 619.0 |
| 66 | 1.9091 | 0.281 | 620.1 |
| 69 | 1.8696 | 0.272 | 620.1 |
| 72 | 1.8333 | 0.263 | 620.1 |
| 75 | 1.8000 | 0.255 | 620.1 |
| 78 | 1.7692 | 0.248 | 620.1 |
| 81 | 1.7407 | 0.241 | 620.1 |
| 84 | 1.7143 | 0.234 | 620.1 |
| 87 | 1.6897 | 0.228 | 620.1 |
| 90 | 1.6667 | 0.222 | 620.1 |
| 93 | 1.6452 | 0.216 | 620.1 |
| 96 | 1.6250 | 0.211 | 620.1 |

04-07-1993

TRANS PAC. OIL CORP.
LEASE: HUGOTON #2-30
INITIAL FLOW
DST #:3



==========

RECORDER NO: 13556 DEPTH: 5817 FT.
INTIAL FLOW TIME: T = 30 MIN.

| DT(MIN) | PRESSURE(PSIG) |
|---|---|
| 0 | 622.3 |
| 3 | 534.1 |
| 6 | 523.1 |
| 9 | 517.6 |
| 12 | 512.1 |
| 15 | 507.7 |
| 18 | 503.3 |
| 21 | 502.2 |
| 24 | 500.0 |
| 27 | 496.7 |
| 30 | 494.5 |

04-07-1993

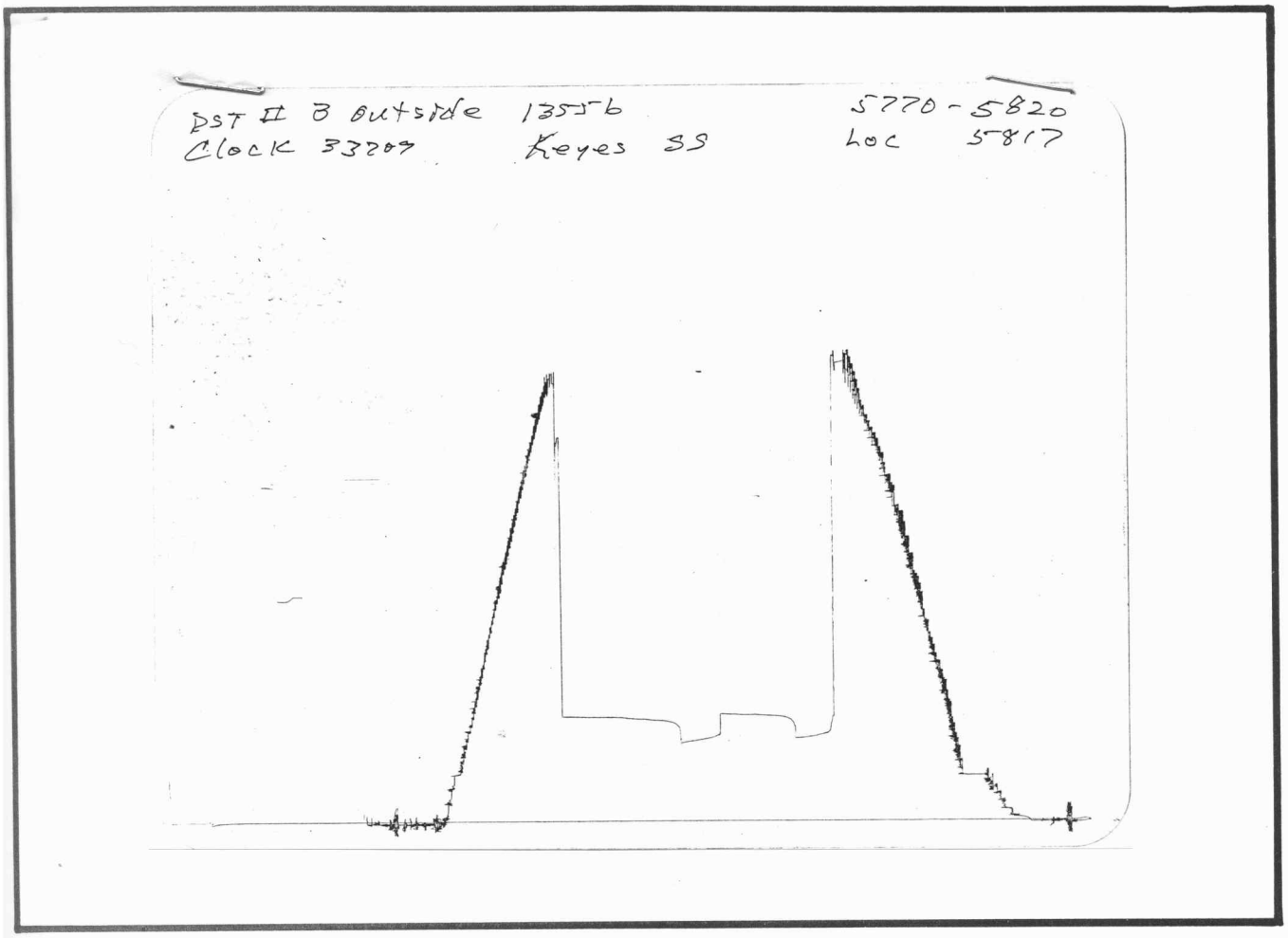
TRANS PAC. OIL CORP.
LEASE: HUGOTON #2-30
FINAL FLOW
DST #:3

==========

RECORDER NO: 13556 DEPTH: 5817 FT.
FINAL FLOW TIME: T = 30 MIN.

| DT(MIN) | PRESSURE(PSIG) |
|---|---|
| 0 | 517.6 |
| 3 | 507.7 |
| 6 | 501.1 |
| 9 | 496.7 |
| 12 | 491.2 |
| 15 | 487.9 |
| 18 | 483.5 |
| 21 | 480.2 |
| 24 | 476.9 |
| 27 | 473.6 |
| 30 | 469.2 |

COMPANY Trans Pacific Oil Corp. LEASE AND WELL NO. Hugoton No. 2-30 SEC. 30 TWP. 31S RGE. 39W TEST NO. 3 DATE 4-7-93




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2747 | 2740 | PSI |
| (B) | First Initial Flow Pressure | 539 | 622 | PSI |
| (C) | First Final Flow Pressure | 496 | 495 | PSI |
| (D) | Initial Closed-in Pressure | 639 | 633 | PSI |
| (E) | Second Initial Flow Pressure | 517 | 518 | PSI |
| (F) | Second Final Flow Pressure | 470 | 469 | PSI |
| (G) | Final Closed-in Pressure | 637 | 620 | PSI |
| (H) | Final Hydrostatic Mud | 2657 | 2665 | PSI |

# DIAMOND TESTING

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550



Company Trans Pacific Oil Corp. Lease & Well No. Hugoton No. 2-30

Elevation 3251 KB Formation St. Louis "B" Effective Pay -- Ft. Ticket No. 946

Date 4-8-93 Sec. 30 Twp. 31S Range 39W County Morton State Kansas

Test Approved By Jon D. Christensen Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 5,973 ft. to 6,011 ft. Total Depth 6,011 ft.

Packer Depth 5,968 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 5,973 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5,955 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 6,008 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____

Drilling Contractor Trans Pac Drlg, Inc. - Rig 2 Drill Collar Length 324 ft. I.D. 2 3/8 in.

Mud Type Chemical Viscosity 52 Drill Collar Length 247 ft. I.D. 2 7/16 in.

Weight 9.2 Water Loss 5.6 cc. Drill Pipe Length 5,371 ft. I.D. 3½ in.

Chlorides 2,000 P.P.M. Test Tool Length 31 ft. Tool Size 3½-IF in.

Jars: Make Bowen Serial Number 1 Anchor Length 38 ft. Size 4½-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½-XH in.

Blow: 1st Open: Weak, ¼ in., blow slowly increasing to 1¼ ins. at end.
2nd Open: Weak, surface blow slowly increasing to ¼ in. Decreasing after 15 mins. to a weak, 1/8 in. at end.

Recovered 110 ft. of gas in pipe

Recovered 10 ft. of drilling mud with good, free, "green" oil in tool = .0548 bbls.

Recovered 10 ft. of TOTAL FLUID = .0548 bbls.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks ____

Time Set Packer(s) 3:15 ~~A.M.~~ P.M. Time Started Off Bottom 5:15 ~~A.M.~~ P.M. Maximum Temperature 162°

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Hydrostatic Pressure | | | (A) | 2870 | P.S.I. | |
| Initial Flow Period | Minutes 30 | | (B) | 56 | P.S.I. to (C) | 45 P.S.I. |
| Initial Closed In Period | Minutes 30 | | (D) | 72 | P.S.I. | |
| Final Flow Period | Minutes 30 | | (E) | 56 | P.S.I. to (F) | 45 P.S.I. |
| Final Closed In Period | Minutes 30 | | (G) | 72 | P.S.I. | |
| Final Hydrostatic Pressure | | | (H) | 2859 | P.S.I. | |

**DIAMOND TESTING**
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313



# FLUID SAMPLE DATA

Company Trans Pacific Oil Corp.

Lease & Well No. Hugoton No. 2-30

Date 4-8-93 Sec. 30 Twp. 31 S Range 39 W

Formation Test No. 4 Interval Tested From 5,973 ft. to 6,011 ft. Total Depth 6,011 ft.

Formation St. Louis "B"

| | MUD PIT | RECOVERY |
|---|---|---|
| Viscosity | 52 CP | 90+ CP Gassy mud |
| Weight | 9.2 | 8.8 |
| Water Loss | 5.6 CC | 5.6 CC |
| PH Factor | 9.5 | 9.5 |

| | RESISTIVITY | | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | -- | @ -- | °F. | -- ppm |
| Recovery Mud | 1.00 | @ 64 | °F. | 7,000 ppm |
| Recovery Mud Filtrate | .95 | @ 66 | °F. | 6,600 ppm |
| Mud Pit Sample | 1.80 | @ 60 | °F. | 4,000 ppm |
| Mud Pit Sample Filtrate | 2.00 | @ 62 | °F. | 3,700 ppm |

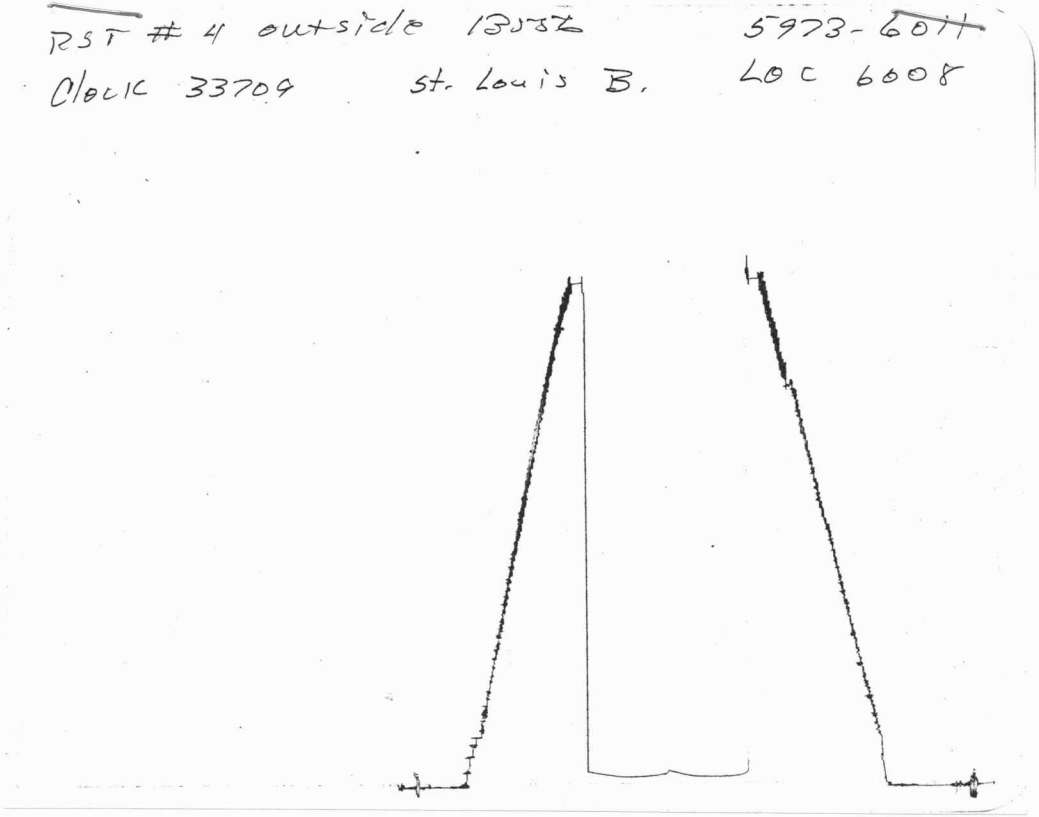
Sample Taken By Roger D. Friedly

Witness By Jon D. Christensen

Remarks Pit filtrate triton dish chlorides were 2,000 Ppm.
Recovery filtrate triton dish chlorides were 6,000 Ppm.

COMPANY Trans Pacific Oil Corp. LEASE AND WELL NO. Hugoton No. 2-30 SEC. 30 TWP. 31S RGE. 39W TEST NO. 4 DATE 4-8-93

RST # 4 outside 13382 5973-6011
Clovic 33709 St. Louis B. Loc 6008



This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 2870 | 2866 | PSI |
| (B) | First Initial Flow Pressure | 56 | 64 | PSI |
| (C) | First Final Flow Pressure | 45 | 44 | PSI |
| (D) | Initial Closed-in Pressure | 72 | 72 | PSI |
| (E) | Second Initial Flow Pressure | 56 | 58 | PSI |
| (F) | Second Final Flow Pressure | 45 | 44 | PSI |
| (G) | Final Closed-in Pressure | 72 | 72 | PSI |
| (H) | Final Hydrostatic Mud | 2859 | 2858 | PSI |