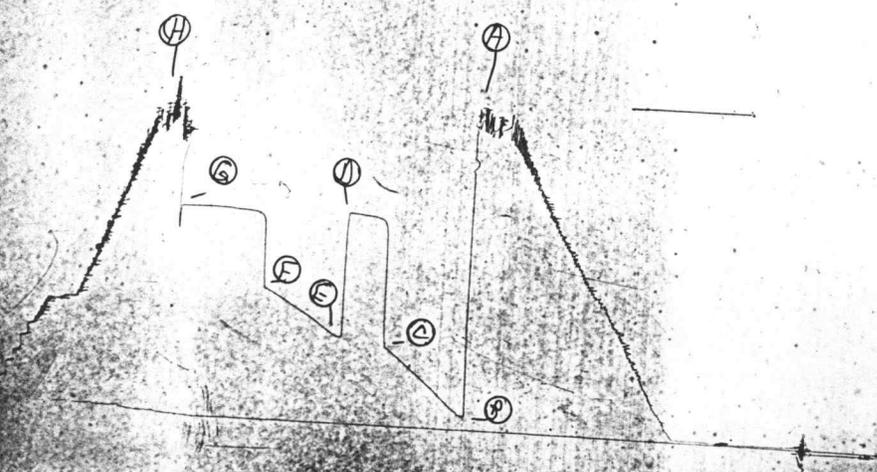


TRT 2641

10979
057
1289

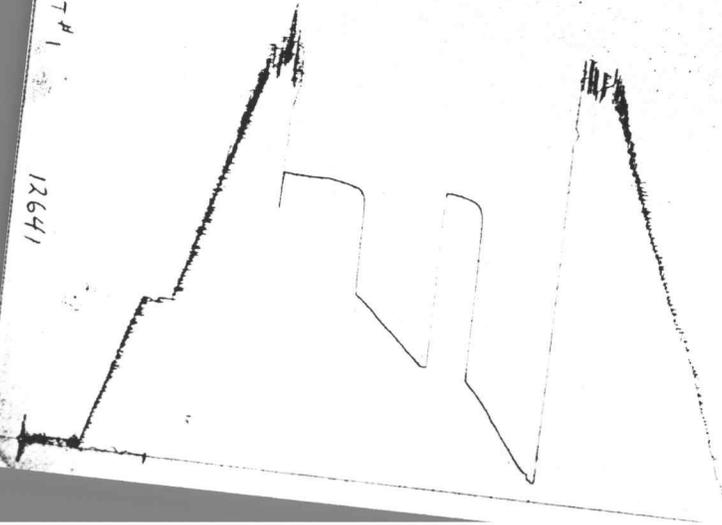


TRT 12641
O

3424

05741

12641

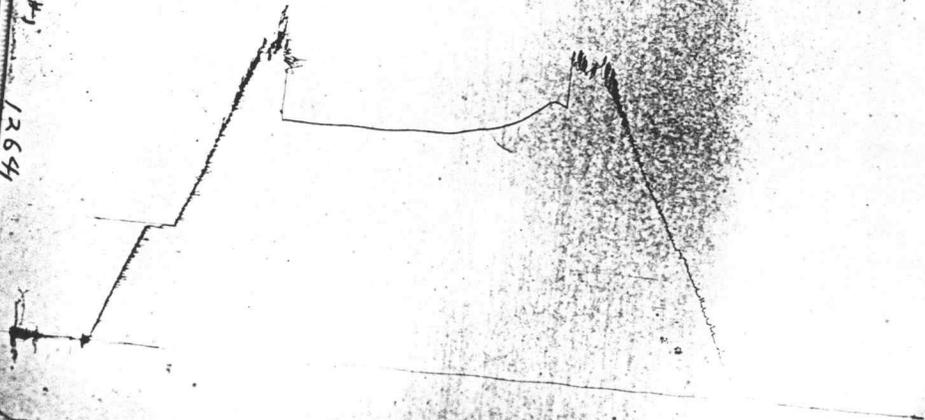


RT 12641
Below Straddle

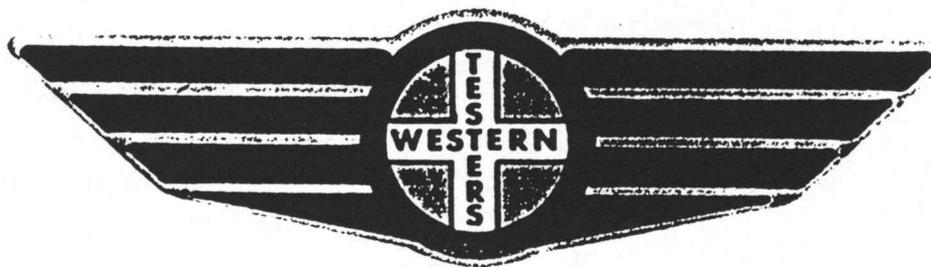
13265

OST 41

1364



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY INCLINE RESERVES, INC. LEASE & WELL NO. BIG JOHN #1 SEC. 32 TWP. 4S RGE. 13E TEST NO. 1 DATE 2/18/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 2-18-88 TICKET : 12641
CUSTOMER : INCLINE RESERVES INC. LEASE : BIG JOHN
WELL : #1 TEST: 1 GEOLOGIST : D. LEFTWICH??
ELEVATION : 1390 KB FORMATION : VIOLA
SECTION : 32 TOWNSHIP : 4S
RANGE : 13E COUNTY : NEMAHA STATE : KANSAS
GAUGE SN# : 10979 RANGE : 4100 CLOCK : 12

INTERVAL FROM : 3430 TO : 3449 TOTAL DEPTH : 3740
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3425 SIZE : 6.63
PACKER DEPTH : 3430 SIZE : 6.63
PACKER DEPTH : 3449 SIZE : 6.63
PACKER DEPTH : SIZE :

DRILLING CON. : GLACIER RIG 1
MUD TYPE : CHEMICAL VISCOSITY : 37
WEIGHT : 9.0 WATER LOSS (CC) : 8.0
CHLORIDES (PPM) : 1700
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3401 FT I.D. inch : 2.70
TEST TOOL LENGTH : 320 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 19 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 3.5 XH

BLOW COMMENT #1 : STRONG BLOW DIMINISHING TO FAIR AT END OF TEST.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 1630 FT OF: SALT WATER

CHLORIDES: 20000 PPM

Total Barrels Fluid = 11.54
Total Fluid Prod Rate = 138.51 BFPD
Indicated Wtr Rate = 138.51 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 11:00 PM

TIME STARTED OFF BOTTOM : 2:30 AM

WELL TEMPERATURE : 116

INITIAL HYDROSTATIC PRESSURE

(A) 1687

INITIAL FLOW PERIOD MIN: 60

(B) 70 PSI TO (C) : 422

INITIAL CLOSED IN PERIOD MIN: 33

(D) 1152

FINAL FLOW PERIOD MIN: 60

(E) 468 PSI TO (F) : 714

FINAL CLOSED IN PERIOD MIN: 66

(G) 1141

FINAL HYDROSTATIC PRESSURE

(H) 1673

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : INCLINE RESERVES INC.
RIG : NEMAHA-KANSAS
FIELD : BIG JOHN
WELL : #1
DATE : 2-18-88
GAUGE NO : 10979

OPERATIONAL COMMENTS

COMPANY : INCLINE RESERVES INC.
 WELL : #1
 GAUGE # : 10979
 DATE : 18/ 2/88

FIELD : BIG JOHN
 JOB # : 12641
 DEPTH : 3742
 TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P $P_i - P_{(i-1)}$ |
|----------|--------------------|-------------------------|---------------|------------|---------------------------|
| 1 | 11: 0: 0 | 0.000 | 70.000 | 116.00 | 0.000 |
| 2 | 11: 4: 59 | 0.083 | 72.000 | 116.00 | 2.000 |
| 3 | 11:10: 0 | 0.167 | 103.000 | 116.00 | 31.000 |
| 4 | 11:15: 0 | 0.250 | 134.000 | 116.00 | 31.000 |
| 5 | 11:19: 59 | 0.333 | 169.000 | 116.00 | 35.000 |
| 6 | 11:25: 0 | 0.417 | 203.000 | 116.00 | 34.000 |
| 7 | 11:30: 0 | 0.500 | 233.000 | 116.00 | 30.000 |
| 8 | 11:34: 59 | 0.583 | 263.000 | 116.00 | 30.000 |
| 9 | 11:40: 0 | 0.667 | 298.000 | 116.00 | 35.000 |
| 10 | 11:45: 0 | 0.750 | 328.000 | 116.00 | 30.000 |
| 11 | 11:49: 59 | 0.833 | 356.000 | 116.00 | 28.000 |
| 12 | 11:55: 0 | 0.917 | 387.000 | 116.00 | 31.000 |
| 13 | 12: 0: 0 | 1.000 | 422.000 | 116.00 | 35.000 |
| 14 | 12: 2: 59 | 1.050 | 1067.000 | 116.00 | 645.000 |
| 15 | 12: 6: 0 | 1.100 | 1120.000 | 116.00 | 53.000 |
| 16 | 12: 9: 0 | 1.150 | 1135.000 | 116.00 | 15.000 |
| 17 | 12:12: 0 | 1.200 | 1139.000 | 116.00 | 4.000 |
| 18 | 12:15: 0 | 1.250 | 1142.000 | 116.00 | 3.000 |
| 19 | 12:18: 0 | 1.300 | 1144.000 | 116.00 | 2.000 |
| 20 | 12:21: 0 | 1.350 | 1146.000 | 116.00 | 2.000 |
| 21 | 12:24: 0 | 1.400 | 1148.000 | 116.00 | 2.000 |
| 22 | 12:27: 0 | 1.450 | 1150.000 | 116.00 | 2.000 |
| 23 | 12:30: 0 | 1.500 | 1151.000 | 116.00 | 1.000 |
| 24 | 12:33: 0 | 1.550 | 1152.000 | 116.00 | 1.000 |
| 25 | 12:34: 0 | 1.567 | 468.000 | 116.00 | -684.000 |
| 26 | 12:37: 59 | 1.633 | 472.000 | 116.00 | 4.000 |
| 27 | 12:43: 0 | 1.717 | 495.000 | 116.00 | 23.000 |
| 28 | 12:48: 0 | 1.800 | 522.000 | 116.00 | 27.000 |
| 29 | 12:52: 59 | 1.883 | 547.000 | 116.00 | 25.000 |
| 30 | 12:58: 0 | 1.967 | 572.000 | 116.00 | 25.000 |
| 31 | 13: 3: 0 | 2.050 | 593.000 | 116.00 | 21.000 |
| 32 | 13: 7: 59 | 2.133 | 614.000 | 116.00 | 21.000 |
| 33 | 13:13: 0 | 2.217 | 637.000 | 116.00 | 23.000 |
| 34 | 13:18: 0 | 2.300 | 660.000 | 116.00 | 23.000 |
| 35 | 13:22: 59 | 2.383 | 678.000 | 116.00 | 18.000 |
| 36 | 13:28: 0 | 2.467 | 699.000 | 116.00 | 21.000 |
| 37 | 13:33: 0 | 2.550 | 714.000 | 116.00 | 15.000 |
| 38 | 13:36: 0 | 2.600 | 1102.000 | 116.00 | 388.000 |
| 39 | 13:38: 59 | 2.650 | 1124.000 | 116.00 | 22.000 |
| 40 | 13:42: 0 | 2.700 | 1129.000 | 116.00 | 5.000 |
| 41 | 13:45: 0 | 2.750 | 1132.000 | 116.00 | 3.000 |
| 42 | 13:48: 0 | 2.800 | 1134.000 | 116.00 | 2.000 |
| 43 | 13:51: 0 | 2.850 | 1136.000 | 116.00 | 2.000 |
| 44 | 13:53: 59 | 2.900 | 1138.000 | 116.00 | 2.000 |
| 45 | 13:57: 0 | 2.950 | 1139.000 | 116.00 | 1.000 |
| 46 | 14: 0: 0 | 3.000 | 1140.000 | 116.00 | 1.000 |
| 47 | 14: 3: 0 | 3.050 | 1141.000 | 116.00 | 1.000 |
| 48 | 14: 6: 0 | 3.100 | 1141.000 | 116.00 | 0.000 |
| 49 | 14: 9: 0 | 3.150 | 1141.000 | 116.00 | 0.000 |
| 50 | 14:11: 59 | 3.200 | 1141.000 | 116.00 | 0.000 |
| 51 | 14:15: 0 | 3.250 | 1141.000 | 116.00 | 0.000 |
| 52 | 14:18: 0 | 3.300 | 1141.000 | 116.00 | 0.000 |

COMPANY : INCLINE RESERVES INC.
WELL : #1
GAUGE # : 10979
DATE : 18/ 2/88

FIELD : BIG JOHN
JOB # : 12641
DEPTH : 3742
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P $P_i - P_{(i-1)}$ |
|----------|--------------------|-------------------------|---------------|------------|---------------------------|
| 53 | 14:21: 0 | 3.350 | 1141.000 | 116.00 | 0.000 |
| 54 | 14:24: 0 | 3.400 | 1141.000 | 116.00 | 0.000 |
| 55 | 14:26:59 | 3.450 | 1141.000 | 116.00 | 0.000 |
| 56 | 14:30: 0 | 3.500 | 1141.000 | 116.00 | 0.000 |
| 57 | 14:33: 0 | 3.550 | 1141.000 | 116.00 | 0.000 |
| 58 | 14:36: 0 | 3.600 | 1141.000 | 116.00 | 0.000 |
| 59 | 14:39: 0 | 3.650 | 1141.000 | 116.00 | 0.000 |

WESTERN TESTING CO. INC.