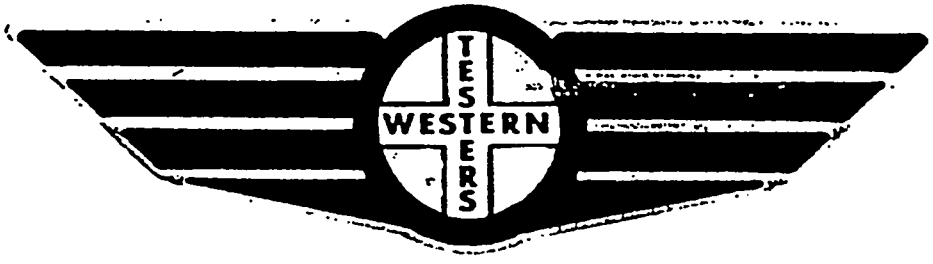
# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10SRGE. 33W TEST NO. 1 DATE 9/23/89

# WESTERN TESTING CO. INC.
## SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/23/89 | | | TICKET | : 15042 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : #1-8 TEST: 1 | | | GEOLOGIST | : RAUL BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : LANSING H |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY | : THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE | : 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4260 | TO | : 4294 | TOTAL DEPTH | : 4294 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4255 | SIZE | : 6.75 | | |
| PACKER DEPTH | : 4260 | SIZE | : 6.75 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE DRILLING RIG #1 | | |
| MUD TYPE | : STARCH | VISCOSITY | : 40 |
| WEIGHT | : 9.7 | WATER LOSS (CC) | : 12.0 |
| CHLORIDES (PPM) | : 44000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 3888 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 34 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5 XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD-MEDIUM BLOW-BUILT FROM 1"
BLOW COMMENT #2 : TO 7" IN WATER IN 30 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD-MEDIUM BLOW-BUILT TO 8 1/2"
BLOW COMMENT #4 : IN WATER IN 60 MINUTES.

| | | | | |
|---|---|---|---|---|
| RECOVERED | : 180 | FT | OF: | MUD CUT OIL WITH WATER-35% OIL |
| RECOVERED | : 0 | FT | OF: | 50% MUD-15% WATER |
| RECOVERED | : 192 | FT | OF: | MUDDY WATER W/ SCUM OF OIL-20% MUD |
| RECOVERED | : 0 | FT | OF: | 80% WATER-OIL LESS THAN 2% 0 |
| RECOVERED | : 0 | FT | OF: | 0 |
| RECOVERED | : 0 | FT | OF: | 0 |
| RECOVERED | : 0 | FT | OF: | 0 |
| RECOVERED | : 0 | FT | OF: | 62000 PPM |

| | | |
|---|---|---|
| Total Barrels Fluid | = | 1.94 |
| Total Fluid Prod Rate | = | 30.97 BFPD |
| Indicated Oil Rate | = | 5.40 BOPD |
| Indicated Wtr Rate | = | 15.03 BWPD |
| Corrected Oil Rate | = | 29.32 BOPD |
| Corrected Wtr Rate | = | 81.57 BWPD |

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

SET PACKER(S) : 6:00 PM TIME STARTED OFF BOTTOM : 9:00 PM
WELL TEMPERATURE : 126

| | | | | | | |
|---|---|---|---|---|---|---|
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 2264 | | |
| INITIAL FLOW PERIOD | MIN: | 30 | (B) | 60 | PSI TO (C) : | 112 |
| INITIAL CLOSED IN PERIOD | MIN: | 45 | (D) | 1282 | | |
| FINAL FLOW PERIOD | MIN: | 60 | (E) | 135 | PSI TO (F) : | 192 |
| FINAL CLOSED IN PERIOD | MIN: | 60 | (G) | 1249 | | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 2216 | | |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : #1-8 |
| DATE | : 9/23/89 |
| GAUGE NO | : 4376 |

OPERATIONAL COMMENTS

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 23/ 9/89

FIELD : REIGER
JOB # : 15042
DEPTH : 4294
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| | INITIAL FLOW PERIOD | | | | |
| 2 | 6: 0: 0 | 0.000 | 60.000 | 126.00 | 0.000 |
| 3 | 6: 4:59 | 0.083 | 63.000 | 126.00 | 3.000 |
| 4 | 6:10: 0 | 0.167 | 70.000 | 126.00 | 7.000 |
| 5 | 6:15: 0 | 0.250 | 81.000 | 126.00 | 11.000 |
| 6 | 6:19:59 | 0.333 | 93.000 | 126.00 | 12.000 |
| 7 | 6:25: 0 | 0.417 | 106.000 | 126.00 | 13.000 |
| 8 | 6:30: 0 | 0.500 | 112.000 | 126.00 | 6.000 |
| | INITIAL SHUT-IN PERIOD | | | | |
| 9 | 6:33: 0 | 0.550 | 771.000 | 126.00 | 659.000 |
| 10 | 6:36: 0 | 0.600 | 1087.000 | 126.00 | 316.000 |
| 11 | 6:39: 0 | 0.650 | 1153.000 | 126.00 | 66.000 |
| 12 | 6:42: 0 | 0.700 | 1183.000 | 126.00 | 30.000 |
| 13 | 6:45: 0 | 0.750 | 1206.000 | 126.00 | 23.000 |
| 14 | 6:48: 0 | 0.800 | 1222.000 | 126.00 | 16.000 |
| 15 | 6:51: 0 | 0.850 | 1234.000 | 126.00 | 12.000 |
| 16 | 6:54: 0 | 0.900 | 1243.000 | 126.00 | 9.000 |
| 17 | 6:57: 0 | 0.950 | 1250.000 | 126.00 | 7.000 |
| 18 | 7: 0: 0 | 1.000 | 1258.000 | 126.00 | 8.000 |
| 19 | 7: 2:59 | 1.050 | 1263.000 | 126.00 | 5.000 |
| 20 | 7: 6: 0 | 1.100 | 1269.000 | 126.00 | 6.000 |
| 21 | 7: 9: 0 | 1.150 | 1273.000 | 126.00 | 4.000 |
| 22 | 7:12: 0 | 1.200 | 1279.000 | 126.00 | 6.000 |
| 23 | 7:15: 0 | 1.250 | 1282.000 | 126.00 | 3.000 |
| | FINAL FLOW PERIOD | | | | |
| 24 | 7:16: 0 | 1.267 | 135.000 | 126.00 | -1147.000 |
| 25 | 7:19:59 | 1.333 | 135.000 | 126.00 | 0.000 |
| 26 | 7:25: 0 | 1.417 | 139.000 | 126.00 | 4.000 |
| 27 | 7:30: 0 | 1.500 | 148.000 | 126.00 | 9.000 |
| 28 | 7:34:59 | 1.583 | 158.000 | 126.00 | 10.000 |
| 29 | 7:40: 0 | 1.667 | 166.000 | 126.00 | 8.000 |
| 30 | 7:45: 0 | 1.750 | 174.000 | 126.00 | 8.000 |
| 31 | 7:49:59 | 1.833 | 180.000 | 126.00 | 6.000 |
| 32 | 7:55: 0 | 1.917 | 184.000 | 126.00 | 4.000 |
| 33 | 8: 0: 0 | 2.000 | 186.000 | 126.00 | 2.000 |
| 34 | 8: 4:59 | 2.083 | 188.000 | 126.00 | 2.000 |
| 35 | 8:10: 0 | 2.167 | 190.000 | 126.00 | 2.000 |
| 36 | 8:15: 0 | 2.250 | 192.000 | 126.00 | 2.000 |
| | FINAL SHUT-IN PERIOD | | | | |
| 37 | 8:18: 0 | 2.300 | 904.000 | 126.00 | 712.000 |
| 38 | 8:21: 0 | 2.350 | 1057.000 | 126.00 | 153.000 |
| 39 | 8:24: 0 | 2.400 | 1104.000 | 126.00 | 47.000 |
| 40 | 8:27: 0 | 2.450 | 1132.000 | 126.00 | 28.000 |
| 41 | 8:30: 0 | 2.500 | 1151.000 | 126.00 | 19.000 |
| 42 | 8:33: 0 | 2.550 | 1166.000 | 126.00 | 15.000 |
| 43 | 8:36: 0 | 2.600 | 1178.000 | 126.00 | 12.000 |
| 44 | 8:39: 0 | 2.650 | 1190.000 | 126.00 | 12.000 |
| 45 | 8:42: 0 | 2.700 | 1199.000 | 126.00 | 9.000 |
| 46 | 8:45: 0 | 2.750 | 1205.000 | 126.00 | 6.000 |
| 47 | 8:48: 0 | 2.800 | 1213.000 | 126.00 | 8.000 |
| 48 | 8:51: 0 | 2.850 | 1221.000 | 126.00 | 8.000 |

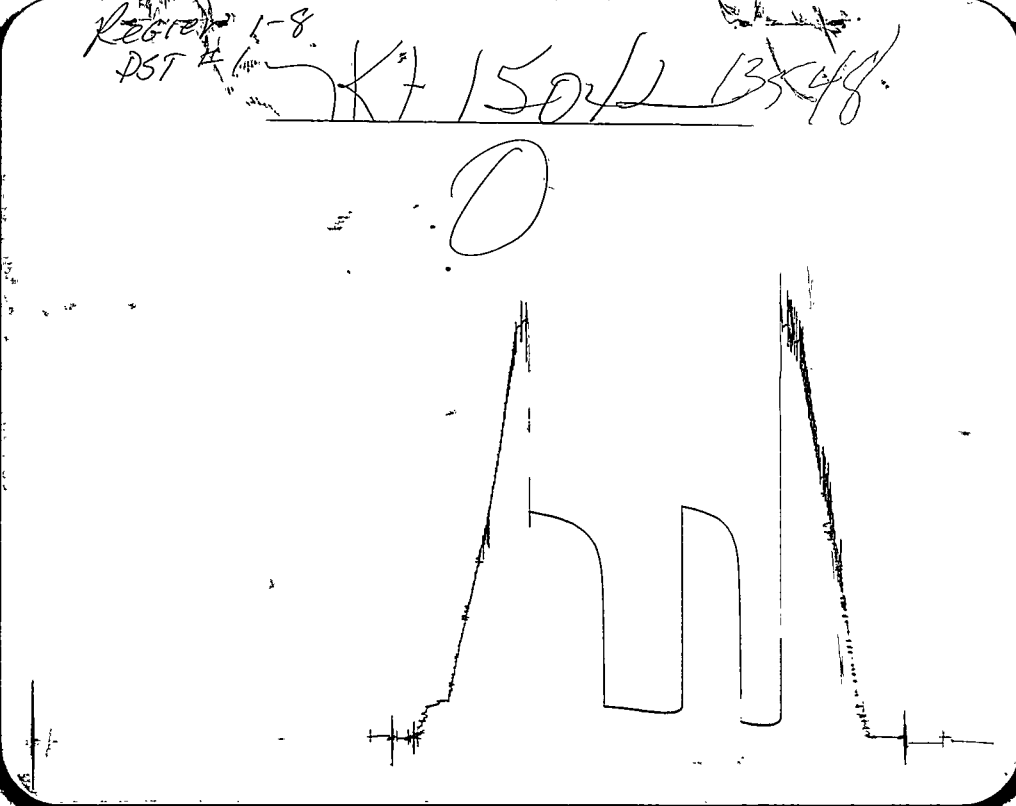
COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 23/ 9/89

FIELD : REIGER
JOB # : 15042
DEPTH : 4294
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| 49 | 8:54: 0 | 2.900 | 1226.000 | 126.00 | 5.000 |
| 50 | 8:57: 0 | 2.950 | 1230.000 | 126.00 | 4.000 |
| 51 | 9: 0: 0 | 3.000 | 1233.000 | 126.00 | 3.000 |
| 52 | 9: 3: 0 | 3.050 | 1238.000 | 126.00 | 5.000 |
| 53 | 9: 6: 0 | 3.100 | 1243.000 | 126.00 | 5.000 |
| 54 | 9: 9: 0 | 3.150 | 1245.000 | 126.00 | 2.000 |
| 55 | 9:12: 0 | 3.200 | 1247.000 | 126.00 | 2.000 |
| 56 | 9:15: 0 | 3.250 | 1249.000 | 126.00 | 2.000 |

WESTERN TESTING CO. INC.

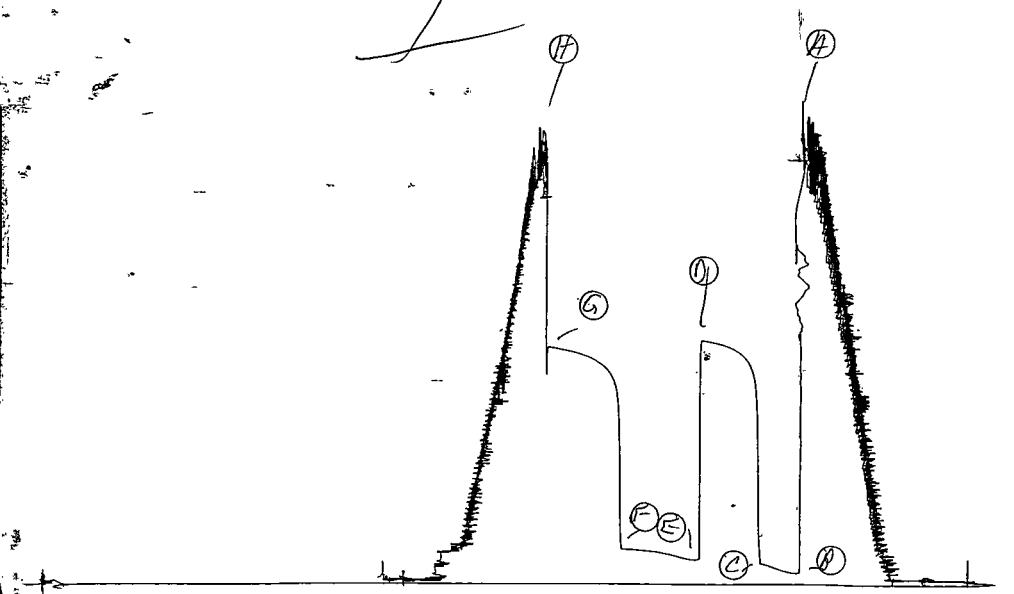
Kegley 1-8
DST #6
KT 1504 13548



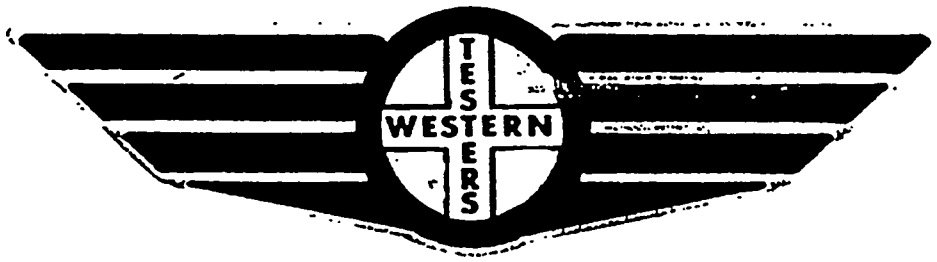
REGIER 1-8
- DST #1

KT 15044376

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# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10S RGE. 33W TEST NO. 2 DATE 9/24/89

# WESTERN TESTING CO. INC.
## SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/24/89 | | | TICKET | : 15043 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : 1-8 TEST: 2 | | | GEOLOGIST | : RAUL BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : LKC I&J |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY | : THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE | : 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4300 | TO | : 4350 | TOTAL DEPTH | : 4350 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4295 | SIZE | : 6.75 | | |
| PACKER DEPTH | : 4300 | SIZE | : 6.75 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE DRILLING RIG #1 | | |
| MUD TYPE | : STARCH | VISCOSITY | : 45 |
| WEIGHT | : 9.6 | WATER LOSS (CC) | : 12.4 |
| CHLORIDES (PPM) | : 43000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 3928 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 50 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5 XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD-NONE
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 0 FT OF:

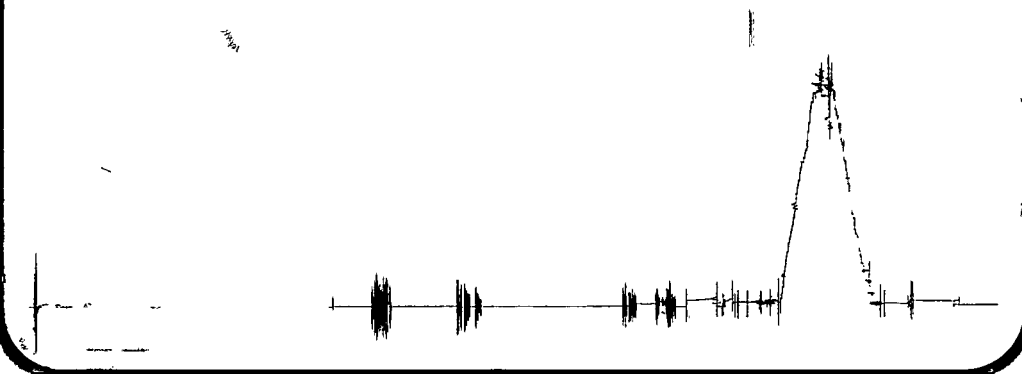
Total Barrels Fluid = 0.00
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 :
REMARK 2 : COULD NO GET TOOL TO BOTTOM
REMARK 3 :
REMARK 4 :

SET PACKER(S) : TIME STARTED OFF BOTTOM :
WELL TEMPERATURE : 120

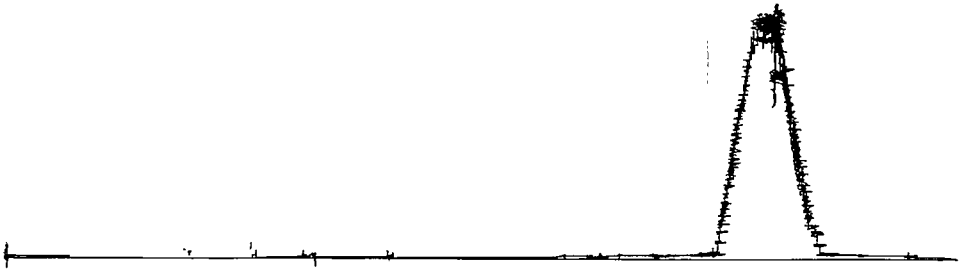
| | | | | | | |
|---|---|---|---|---|---|---|
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 1153 | | |
| INITIAL FLOW PERIOD | MIN: | 0 | (B) | 0 | PSI TO (C) : | 0 |
| INITIAL CLOSED IN PERIOD | MIN: | 0 | (D) | 0 | | |
| FINAL FLOW PERIOD | MIN: | 0 | (E) | 0 | PSI TO (F) : | 0 |
| FINAL CLOSED IN PERIOD | MIN: | 0 | (G) | 0 | | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 1153 | | |

DST #2 Mississippian
Reign #1-4 KB 5043' 13548

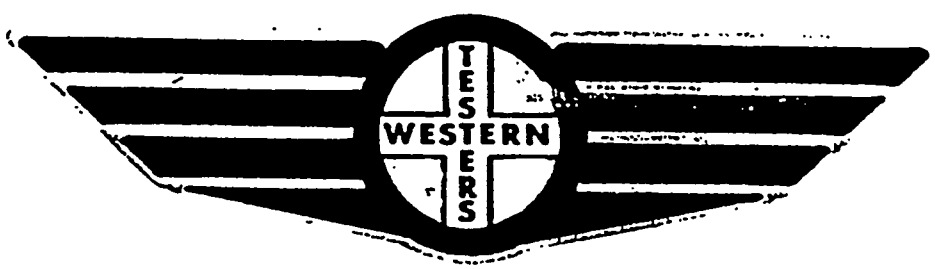


DS Misrun
Reiger #1-8 KT 1504 4376

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# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10S RGE. 33W TEST NO. 2A DATE 9/24/89

# WESTERN TESTING CO. INC.
## SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/24/89 | | | TICKET | : 15044 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : #1-8 TEST: 2A | | | GEOLOGIST | : RAUL BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : LKC T&J |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY : | THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE : | 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4300 | TO | : 4350 | TOTAL DEPTH | : 4350 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4295 | SIZE : | 6.75 | | |
| PACKER DEPTH | : 4300 | SIZE : | 6.75 | | |
| PACKER DEPTH | : | SIZE : | | | |
| PACKER DEPTH | : | SIZE : | | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE DRILLING RIG #1 | | |
| MUD TYPE | : STARCH | VISCOSITY | : 49 |
| WEIGHT | : 10.1 | WATER LOSS (CC) | : 10.4 |
| CHLORIDES (PPM) | : 43000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 3928 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 50 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5 XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD-WEAK SURFACE BLOW BUILDING TO
BLOW COMMENT #2 : 1 1/2" IN 30 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD-WEAK SURFACE BLOW BUILDING TO 1 1/4"
BLOW COMMENT #4 : IN 60 MINUTES.

RECOVERED : 90 FT OF: OIL CUT MUD-30% OIL 70% MUD
RECOVERED : 0 FT OF: CHLORIDES 48000 PPM

Total Barrels Fluid = 0.42
Total Fluid Prod Rate = 6.77 BFPD
Indicated Oil Rate = 2.03 BOPD
Indicated Wtr Rate = 0.07 BWPD
Corrected Oil Rate = 7.23 BOPD
Corrected Wtr Rate = 0.24 BWPD

REMARK 1 :
REMARK 2 : SLIGHT PLUGGING IFP & FFP
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 10:00 PM TIME STARTED OFF BOTTOM : 1:30 AM
WELL TEMPERATURE : 129

| | | | | | | |
|---|---|---|---|---|---|---|
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 2241 | | |
| INITIAL FLOW PERIOD | MIN: | 30 | (B) | 49 | PSI TO (C) : | 56 |
| INITIAL CLOSED IN PERIOD | MIN: | 45 | (D) | 1280 | | |
| FINAL FLOW PERIOD | MIN: | 60 | (E) | 63 | PSI TO (F) : | 85 |
| FINAL CLOSED IN PERIOD | MIN: | 63 | (G) | 1229 | | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 2233 | | |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : #1-8 |
| DATE | : 9/24/89 |
| GAUGE NO | : 4376 |

OPERATIONAL COMMENTS

SLIGHT PLUGGING IFP & FFP

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 24/ 9/89

FIELD : REIGER
JOB # : 15044
DEPTH : 4350
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| | INITIAL FLOW PERIOD | | | | |
| 2 | 10: 0: 0 | 0.000 | 49.000 | 129.00 | 0.000 |
| 3 | 10: 4:59 | 0.083 | 49.000 | 129.00 | 0.000 |
| 4 | 10:10: 0 | 0.167 | 49.000 | 129.00 | 0.000 |
| 5 | 10:15: 0 | 0.250 | 59.000 | 129.00 | 10.000 |
| 6 | 10:19:59 | 0.333 | 73.000 | 129.00 | 14.000 |
| 7 | 10:25: 0 | 0.417 | 57.000 | 129.00 | -16.000 |
| 8 | 10:30: 0 | 0.500 | 56.000 | 129.00 | -1.000 |
| | INITIAL SHUT-IN PERIOD | | | | |
| 9 | 10:33: 0 | 0.550 | 62.000 | 129.00 | 6.000 |
| 10 | 10:36: 0 | 0.600 | 78.000 | 129.00 | 16.000 |
| 11 | 10:39: 0 | 0.650 | 103.000 | 129.00 | 25.000 |
| 12 | 10:42: 0 | 0.700 | 152.000 | 129.00 | 49.000 |
| 13 | 10:45: 0 | 0.750 | 241.000 | 129.00 | 89.000 |
| 14 | 10:48: 0 | 0.800 | 401.000 | 129.00 | 160.000 |
| 15 | 10:51: 0 | 0.850 | 618.000 | 129.00 | 217.000 |
| 16 | 10:54: 0 | 0.900 | 876.000 | 129.00 | 258.000 |
| 17 | 10:57: 0 | 0.950 | 1038.000 | 129.00 | 162.000 |
| 18 | 11: 0: 0 | 1.000 | 1135.000 | 129.00 | 97.000 |
| 19 | 11: 2:59 | 1.050 | 1193.000 | 129.00 | 58.000 |
| 20 | 11: 6: 0 | 1.100 | 1229.000 | 129.00 | 36.000 |
| 21 | 11: 9: 0 | 1.150 | 1254.000 | 129.00 | 25.000 |
| 22 | 11:12: 0 | 1.200 | 1269.000 | 129.00 | 15.000 |
| 23 | 11:15: 0 | 1.250 | 1280.000 | 129.00 | 11.000 |
| | FINAL FLOW PERIOD | | | | |
| 24 | 11:16: 0 | 1.267 | 63.000 | 129.00 | -1217.000 |
| 25 | 11:19:59 | 1.333 | 63.000 | 129.00 | 0.000 |
| 26 | 11:25: 0 | 1.417 | 68.000 | 129.00 | 5.000 |
| 27 | 11:30: 0 | 1.500 | 93.000 | 129.00 | 25.000 |
| 28 | 11:34:59 | 1.583 | 86.000 | 129.00 | -7.000 |
| 29 | 11:40: 0 | 1.667 | 79.000 | 129.00 | -7.000 |
| 30 | 11:45: 0 | 1.750 | 79.000 | 129.00 | 0.000 |
| 31 | 11:49:59 | 1.833 | 80.000 | 129.00 | 1.000 |
| 32 | 11:55: 0 | 1.917 | 81.000 | 129.00 | 1.000 |
| 33 | 12: 0: 0 | 2.000 | 82.000 | 129.00 | 1.000 |
| 34 | 12: 4:59 | 2.083 | 83.000 | 129.00 | 1.000 |
| 35 | 12:10: 0 | 2.167 | 84.000 | 129.00 | 1.000 |
| 36 | 12:15: 0 | 2.250 | 85.000 | 129.00 | 1.000 |
| | FINAL SHUT-IN PERIOD | | | | |
| 37 | 12:18: 0 | 2.300 | 88.000 | 129.00 | 3.000 |
| 38 | 12:21: 0 | 2.350 | 97.000 | 129.00 | 9.000 |
| 39 | 12:24: 0 | 2.400 | 109.000 | 129.00 | 12.000 |
| 40 | 12:27: 0 | 2.450 | 126.000 | 129.00 | 17.000 |
| 41 | 12:30: 0 | 2.500 | 142.000 | 129.00 | 16.000 |
| 42 | 12:33: 0 | 2.550 | 169.000 | 129.00 | 27.000 |
| 43 | 12:36: 0 | 2.600 | 203.000 | 129.00 | 34.000 |
| 44 | 12:39: 0 | 2.650 | 272.000 | 129.00 | 69.000 |
| 45 | 12:42: 0 | 2.700 | 369.000 | 129.00 | 97.000 |
| 46 | 12:45: 0 | 2.750 | 475.000 | 129.00 | 106.000 |
| 47 | 12:48: 0 | 2.800 | 621.000 | 129.00 | 146.000 |
| 48 | 12:51: 0 | 2.850 | 763.000 | 129.00 | 142.000 |

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 24/ 9/89

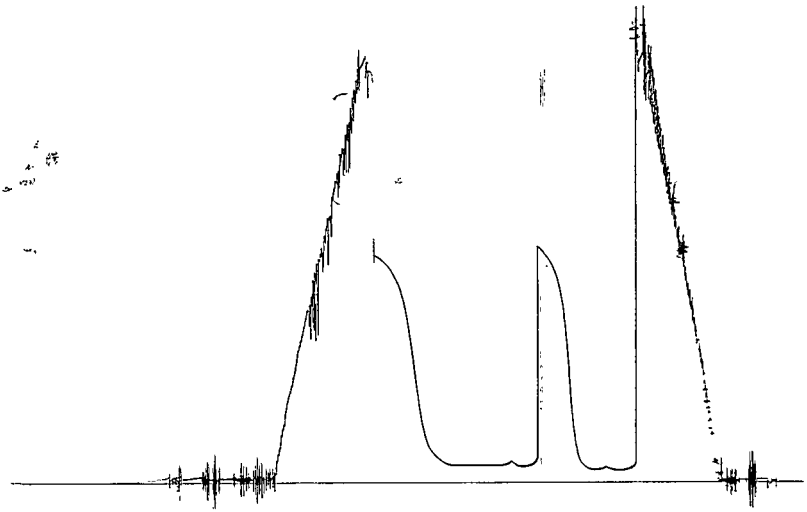
FIELD : REIGER
JOB # : 15044
DEPTH : 4350
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| 49 | 12:54: 0 | 2.900 | 910.000 | 129.00 | 147.000 |
| 50 | 12:57: 0 | 2.950 | 1012.000 | 129.00 | 102.000 |
| 51 | 13: 0: 0 | 3.000 | 1080.000 | 129.00 | 68.000 |
| 52 | 13: 3: 0 | 3.050 | 1131.000 | 129.00 | 51.000 |
| 53 | 13: 6: 0 | 3.100 | 1161.000 | 129.00 | 30.000 |
| 54 | 13: 9: 0 | 3.150 | 1188.000 | 129.00 | 27.000 |
| 55 | 13:12: 0 | 3.200 | 1205.000 | 129.00 | 17.000 |
| 56 | 13:15: 0 | 3.250 | 1218.000 | 129.00 | 13.000 |
| 57 | 13:18: 0 | 3.300 | 1229.000 | 129.00 | 11.000 |

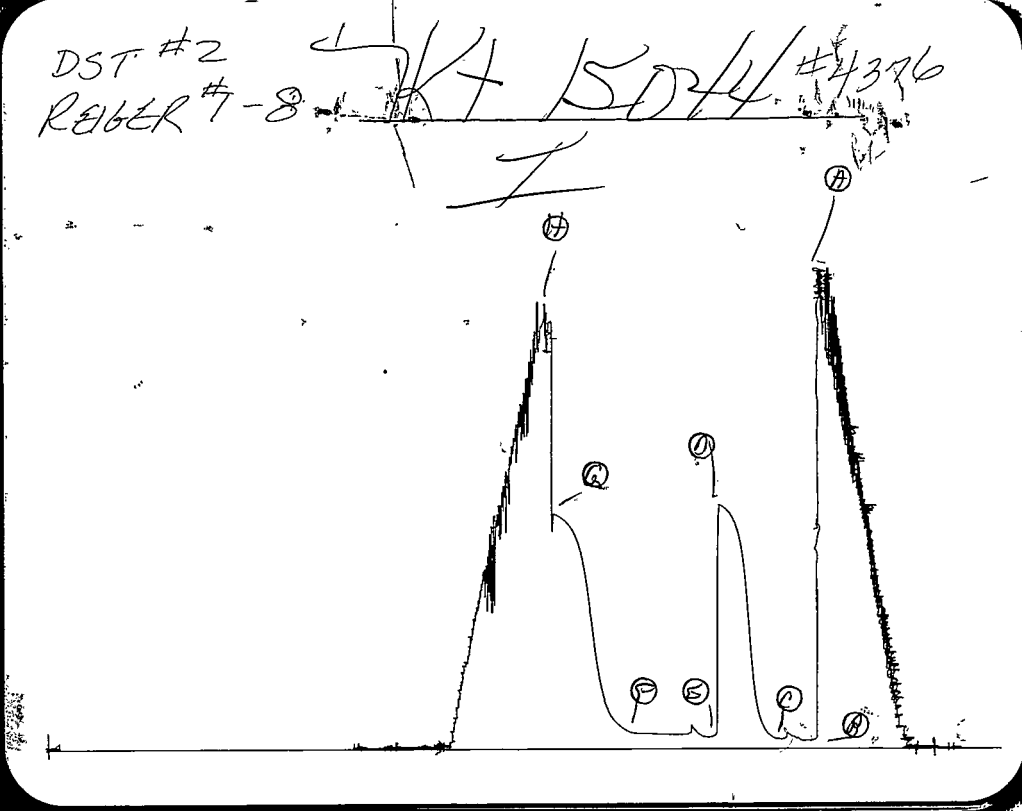
WESTERN TESTING CO. INC.

#1-8 REGIER
DST #2

K+ 15044 13548

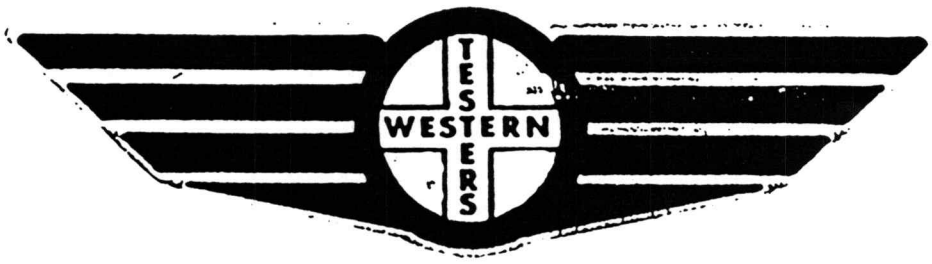


DST #2
REIGER 7-8



Reiger 1-8 15-193-20483

# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10S RGE. 33W TEST NO. 3 DATE 9/25/89

# WESTERN TESTING CO. INC.
## SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/25/89 | | | TICKET | : 15045 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : 1-8 TEST: 3 | | | GEOLOGIST | : BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : L.KANS CITY "K" |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY : | THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE : | 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4348 | TO | : 4380 | TOTAL DEPTH | : 4380 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4343 | SIZE : | 6.75 | | |
| PACKER DEPTH | : 4348 | SIZE : | 6.75 | | |
| PACKER DEPTH | : | SIZE : | | | |
| PACKER DEPTH | : | SIZE : | | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE RIG 1 | | |
| MUD TYPE | : STARCH | VISCOSITY | : 49 |
| WEIGHT | : 9.8 | WATER LOSS (CC) | : 13. |
| CHLORIDES (PPM) | : 40000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 3976 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 32 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW-BOTTOM OF
BLOW COMMENT #2 : BUCKET IN 5.5 MIN. AND BUILDING THRUOUT.
BLOW COMMENT #3 : FINAL FLOW PERIOD STRONG BLOW-BOTTOM OF
BLOW COMMENT #4 : BUCKET IN 5 MIN. AND BUILDING THRUOUT TEST.

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| | INITIAL FLOW PERIOD | | | | |
| 2 | 2:45: 0 | 0.000 | 79.000 | 128.00 | 0.000 |
| 3 | 2:49:59 | 0.083 | 103.000 | 128.00 | 24.000 |
| 4 | 2:55: 0 | 0.167 | 129.000 | 128.00 | 26.000 |
| 5 | 3: 0: 0 | 0.250 | 132.000 | 128.00 | 3.000 |
| 6 | 3: 4:59 | 0.333 | 144.000 | 128.00 | 12.000 |
| 7 | 3:10: 0 | 0.417 | 163.000 | 128.00 | 19.000 |
| 8 | 3:15: 0 | 0.500 | 174.000 | 128.00 | 11.000 |
| | INITIAL SHUT-IN PERIOD | | | | |
| 9 | 3:18: 0 | 0.550 | 821.000 | 128.00 | 647.000 |
| 10 | 3:21: 0 | 0.600 | 1043.000 | 128.00 | 222.000 |
| 11 | 3:24: 0 | 0.650 | 1105.000 | 128.00 | 62.000 |
| 12 | 3:27: 0 | 0.700 | 1136.000 | 128.00 | 31.000 |
| 13 | 3:30: 0 | 0.750 | 1156.000 | 128.00 | 20.000 |
| 14 | 3:33: 0 | 0.800 | 1171.000 | 128.00 | 15.000 |
| 15 | 3:36: 0 | 0.850 | 1188.000 | 128.00 | 17.000 |
| 16 | 3:39: 0 | 0.900 | 1198.000 | 128.00 | 10.000 |
| 17 | 3:42: 0 | 0.950 | 1210.000 | 128.00 | 12.000 |
| 18 | 3:45: 0 | 1.000 | 1217.000 | 128.00 | 7.000 |
| 19 | 3:48: 0 | 1.050 | 1221.000 | 128.00 | 4.000 |
| 20 | 3:51: 0 | 1.100 | 1225.000 | 128.00 | 4.000 |
| 21 | 3:54: 0 | 1.150 | 1230.000 | 128.00 | 5.000 |
| 22 | 3:57: 0 | 1.200 | 1233.000 | 128.00 | 3.000 |
| 23 | 4: 0: 0 | 1.250 | 1238.000 | 128.00 | 5.000 |
| | FINAL FLOW PERIOD | | | | |
| 24 | 4: 1: 0 | 1.267 | 224.000 | 128.00 | -1014.000 |
| 25 | 4: 4:59 | 1.333 | 224.000 | 128.00 | 0.000 |
| 26 | 4:10: 0 | 1.417 | 231.000 | 128.00 | 7.000 |
| 27 | 4:15: 0 | 1.500 | 238.000 | 128.00 | 7.000 |
| 28 | 4:19:59 | 1.583 | 247.000 | 128.00 | 9.000 |
| 29 | 4:25: 0 | 1.667 | 260.000 | 128.00 | 13.000 |
| 30 | 4:30: 0 | 1.750 | 271.000 | 128.00 | 11.000 |
| | FINAL SHUT-IN PERIOD | | | | |
| 31 | 4:33: 0 | 1.800 | 901.000 | 128.00 | 630.000 |
| 32 | 4:36: 0 | 1.850 | 1020.000 | 128.00 | 119.000 |
| 33 | 4:39: 0 | 1.900 | 1073.000 | 128.00 | 53.000 |
| 34 | 4:42: 0 | 1.950 | 1097.000 | 128.00 | 24.000 |
| 35 | 4:45: 0 | 2.000 | 1113.000 | 128.00 | 16.000 |
| 36 | 4:48: 0 | 2.050 | 1128.000 | 128.00 | 15.000 |
| 37 | 4:51: 0 | 2.100 | 1139.000 | 128.00 | 11.000 |
| 38 | 4:54: 0 | 2.150 | 1148.000 | 128.00 | 9.000 |
| 39 | 4:57: 0 | 2.200 | 1157.000 | 128.00 | 9.000 |
| 40 | 5: 0: 0 | 2.250 | 1164.000 | 128.00 | 7.000 |
| 41 | 5: 3: 0 | 2.300 | 1170.000 | 128.00 | 6.000 |
| 42 | 5: 6: 0 | 2.350 | 1176.000 | 128.00 | 6.000 |
| 43 | 5: 9: 0 | 2.400 | 1181.000 | 128.00 | 5.000 |
| 44 | 5:12: 0 | 2.450 | 1188.000 | 128.00 | 7.000 |
| 45 | 5:15: 0 | 2.500 | 1191.000 | 128.00 | 3.000 |
| 46 | 5:18: 0 | 2.550 | 1194.000 | 128.00 | 3.000 |
| 47 | 5:21: 0 | 2.600 | 1198.000 | 128.00 | 4.000 |
| 48 | 5:24: 0 | 2.650 | 1202.000 | 128.00 | 4.000 |

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| 49 | 5:27: 0 | 2.700 | 1204.000 | 128.00 | 2.000 |
| 50 | 5:30: 0 | 2.750 | 1206.000 | 128.00 | 2.000 |

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : 1-8 |
| DATE | : 9/25/89 |
| GAUGE NO | : 4376 |

OPERATIONAL COMMENTS

1690 FT GAS ABOVE FLUID
CHLORIDES 46000 PPM
GRAVITY OIL 36 API @ 60 DEGREES F

```
RECOVERED   :     93    FT  OF: FREE CLEAN OIL
RECOVERED   :    436    FT  OF: MUD CUT GASSY OIL-TRACE WTR
RECOVERED   :      0    FT  OF: 75% OIL;20%GAS;4%MUD;1%WATER
RECOVERED   :     63    FT  OF: MUD CUT GASSY OIL
RECOVERED   :      0    FT  OF: 63%OIL;32%GAS;5%MUD
RECOVERED   :     63    FT  OF: MUD CUT GASSY OIL-TRACE WTR
RECOVERED   :      0    FT  OF: 85%OIL;5%GAS;5%MUD;5%WATER

Total Barrels Fluid    =    5.90
Total Fluid Prod Rate  =  141.72 BFPD
Indicated Oil Rate     =  111.21 BOPD
Indicated Wtr Rate     =    1.64 BWPD
Corrected Oil Rate     =  113.57 BOPD
Corrected Wtr Rate     =    1.68 BWPD

REMARK 1  :
REMARK 2  : 1690 FT GAS ABOVE FLUID
REMARK 3  : CHLORIDES 46000 PPM
REMARK 4  : GRAVITY OIL 36 API @ 60 DEGREES F

SET PACKER(S)  :  2:45 PM              TIME STARTED OFF BOTTOM : 5:30 PM
WELL TEMPERATURE    :  128
INITIAL HYDROSTATIC PRESSURE          (A)  2279
INITIAL FLOW PERIOD       MIN:   30   (B)    79  PSI TO (C) :  174
INITIAL CLOSED IN PERIOD  MIN:   45   (D)  1238
FINAL FLOW PERIOD         MIN:   30   (E)   224  PSI TO (F) :  271
FINAL CLOSED IN PERIOD    MIN:   60   (G)  1206
FINAL HYDROSTATIC PRESSURE            (H)  2274
```

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : 1-8 |
| DATE | : 9/25/89 |
| GAUGE NO | : 4376 |
| TEST | : DST-3 SHUTIN-1 |

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89
Comment : DST-3 SHUTIN-1
Horner T: .5 Hours

FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

| DATA No. | REAL TIME HR:MM:SS | EVENT TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | HORNER (T+dt)/dt | DELTA P PSIG |
|---|---|---|---|---|---|---|
| 8 | 3:15: 0 | 0.000 | 174.000 | 128.00 | 0.0000 | 0.000 |
| 9 | 3:18: 0 | 0.050 | 821.000 | 128.00 | 11.0000 | 647.000 |
| 10 | 3:21: 0 | 0.100 | 1043.000 | 128.00 | 6.0000 | 869.000 |
| 11 | 3:24: 0 | 0.150 | 1105.000 | 128.00 | 4.3333 | 931.000 |
| 12 | 3:27: 0 | 0.200 | 1136.000 | 128.00 | 3.5000 | 962.000 |
| 13 | 3:30: 0 | 0.250 | 1156.000 | 128.00 | 3.0000 | 982.000 |
| 14 | 3:33: 0 | 0.300 | 1171.000 | 128.00 | 2.6667 | 997.000 |
| 15 | 3:36: 0 | 0.350 | 1188.000 | 128.00 | 2.4286 | 1014.000 |
| 16 | 3:39: 0 | 0.400 | 1198.000 | 128.00 | 2.2500 | 1024.000 |
| 17 | 3:42: 0 | 0.450 | 1210.000 | 128.00 | 2.1111 | 1036.000 |
| 18 | 3:45: 0 | 0.500 | 1217.000 | 128.00 | 2.0000 | 1043.000 |
| 19 | 3:48: 0 | 0.550 | 1221.000 | 128.00 | 1.9091 | 1047.000 |
| 20 | 3:51: 0 | 0.600 | 1225.000 | 128.00 | 1.8333 | 1051.000 |
| 21 | 3:54: 0 | 0.650 | 1230.000 | 128.00 | 1.7692 | 1056.000 |
| 22 | 3:57: 0 | 0.700 | 1233.000 | 128.00 | 1.7143 | 1059.000 |
| 23 | 4: 0: 0 | 0.750 | 1238.000 | 128.00 | 1.6667 | 1064.000 |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : 1-8 |
| DATE | : 9/25/89 |
| GAUGE NO | : 4376 |
| TEST | : DST-3 SHUTIN-2 |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# WELL TEST ANALYSIS REPORT
HORNER METHOD
SHUTIN No. 2

| | |
|---|---|
| COMPANY. . . . . | BRITO OIL COMPANY INC. |
| DATE . . . . . | 9/25/89 |
| FIELD. . . . . | REIGER |
| WELL . . . . . | 1-8 |
| AREA . . . . . | THOMAS-KANSAS |
| JOB NUMBER . . . | 15045 |
| GAUGE NUMBER . . | 4376 |
| GAUGE DEPTH. . . | 4380 |
| ZONE TESTED. . . | 4348-4380 |

PHASE : OIL FUNCTION : PRESSURE

==========I=N=P=U=T====D=A=T=A====S=U=M=M=A=R=Y==========

| | | | |
|---|---|---|---|
| THICKNESS. . . . . H | 3.0000E+00 | Feet |
| POROSITY . . . . . POR | 1.0000E-01 | Frac |
| VISCOSITY. . . . . U | 3.1727E+00 | Cp |
| FORMATION VOLUME FACTOR. . . . B | 1.0568E+00 | Rb/stb |
| TOTAL COMPRESSIBILITY. . . . .Ct | 9.8089E-06 | Psi^-1 |
| WELLBORE RADIUS. . . . . .Rw | 5.2000E-01 | Feet |
| DRAINAGE RADIUS. . . . . .Re | 8.0000E+02 | Feet |
| RESERVOIR TEMPERATURE. . . . . T | 1.2800E+02 | Deg F |
| GRAVITY OF FLUID . . . . . G | 3.6000E+01 | |
| PVT EVALUATION PRESSURE. . . . P | 1.2060E+03 | Psig |
| PRESSURE AT SHUT-IN. . . . . Pwf | 2.7100E+02 | Psig |
| FINAL RECORDED PRESSURE. . . .Ps | 1.2060E+03 | Psig |
| PRODUCTION RATE. . . . . Q | 1.1357E+02 | Bbl/day |
| TOTAL FLOW TIME. . . . . T | 1.0000E+00 | Hours |

==========R=E=G=R=E=S=S=I=O=N====R=E=S=U=L=T=S==========

LEAST SQUARE RESULTS OVER THE INTERVAL :
FROM 2.25 TO 2

| | | |
|---|---|---|
| SLOPE OF THE LINE. . . . . | 2.3620E+02 | psi/cycle |
| FALSE PRESSURE, PSTAR. . . . . | 1.2777E+03 | psi |
| PRESSURE AT 1 HOUR . . . . . | 1.2066E+03 | psi |

==========A=N=A=L=Y=S=I=S========R=E=S=U=L=T=S==========

| | | | |
|---|---|---|---|
| TRANSMISSIBILTY. . . . . .Kh/u | 8.2623E+01 | md-ft/cp |
| FLOW CAPACITY. . . . . .Kh | 2.6214E+02 | md-ft |
| PERMEABILITY to PHASE. . . . . K | 8.7380E+01 | md |
| DAMAGE RATIO . . . . . .Dr | 8.9007E-01 | |
| RADIUS OF INVESTIGATION. . .Rinv | 1.7210E+02 | ft |
| SKIN FACTOR. . . . . S | -6.0360E-01 | |
| AVERAGE PRESSURE . . . . . .Pbar | 1.2729E+03 | psig |
| DIMENSIONLESS TIME . . . . . Tda | 3.6866E-03 | |
| MATTHEWS-BRONS-HAZEBROEK . PDmbh | 4.6328E-02 | |

COMPANY : BRITO OIL COMPANY INC.
WELL : 1-8
GAUGE # : 4376
DATE : 25/ 9/89
Comment : DST-3 SHUTIN-2
Horner T: 1 Hours

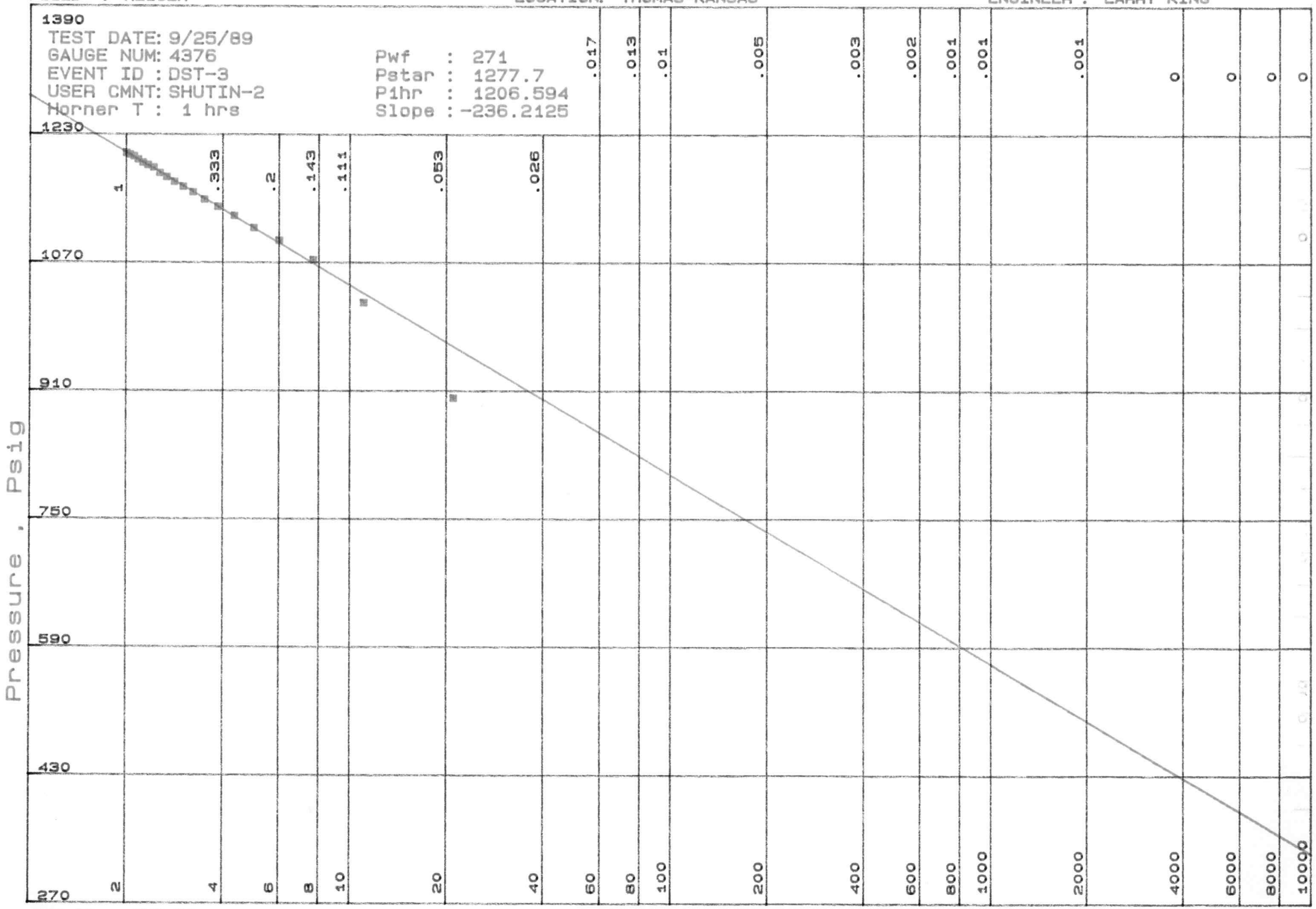
FIELD : REIGER
JOB # : 15045
DEPTH : 4380
TEST :

| DATA No. | REAL TIME HR:MM:SS | EVENT TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | HORNER (T+dt)/dt | DELTA P PSIG |
|---|---|---|---|---|---|---|
| 30 | 4:30: 0 | 0.000 | 271.000 | 128.00 | 0.0000 | 0.000 |
| 31 | 4:33: 0 | 0.050 | 901.000 | 128.00 | 21.0000 | 630.000 |
| 32 | 4:36: 0 | 0.100 | 1020.000 | 128.00 | 11.0000 | 749.000 |
| 33 | 4:39: 0 | 0.150 | 1073.000 | 128.00 | 7.6667 | 802.000 |
| 34 | 4:42: 0 | 0.200 | 1097.000 | 128.00 | 6.0000 | 826.000 |
| 35 | 4:45: 0 | 0.250 | 1113.000 | 128.00 | 5.0000 | 842.000 |
| 36 | 4:48: 0 | 0.300 | 1128.000 | 128.00 | 4.3333 | 857.000 |
| 37 | 4:51: 0 | 0.350 | 1139.000 | 128.00 | 3.8571 | 868.000 |
| 38 | 4:54: 0 | 0.400 | 1148.000 | 128.00 | 3.5000 | 877.000 |
| 39 | 4:57: 0 | 0.450 | 1157.000 | 128.00 | 3.2222 | 886.000 |
| 40 | 5: 0: 0 | 0.500 | 1164.000 | 128.00 | 3.0000 | 893.000 |
| 41 | 5: 3: 0 | 0.550 | 1170.000 | 128.00 | 2.8182 | 899.000 |
| 42 | 5: 6: 0 | 0.600 | 1176.000 | 128.00 | 2.6667 | 905.000 |
| 43 | 5: 9: 0 | 0.650 | 1181.000 | 128.00 | 2.5385 | 910.000 |
| 44 | 5:12: 0 | 0.700 | 1188.000 | 128.00 | 2.4286 | 917.000 |
| 45 | 5:15: 0 | 0.750 | 1191.000 | 128.00 | 2.3333 | 920.000 |
| 46 | 5:18: 0 | 0.800 | 1194.000 | 128.00 | 2.2500 | 923.000 |
| 47 | 5:21: 0 | 0.850 | 1198.000 | 128.00 | 2.1765 | 927.000 |
| 48 | 5:24: 0 | 0.900 | 1202.000 | 128.00 | 2.1111 | 931.000 |
| 49 | 5:27: 0 | 0.950 | 1204.000 | 128.00 | 2.0526 | 933.000 |
| 50 | 5:30: 0 | 1.000 | 1206.000 | 128.00 | 2.0000 | 935.000 |

COMPANY: BRITO OIL COMPANY INC.
FIELD : REIGER

WELL # : 1-8
LOCATION: THOMAS-KANSAS

PROCESSED: 09-27-1989
ENGINEER : LARRY KING



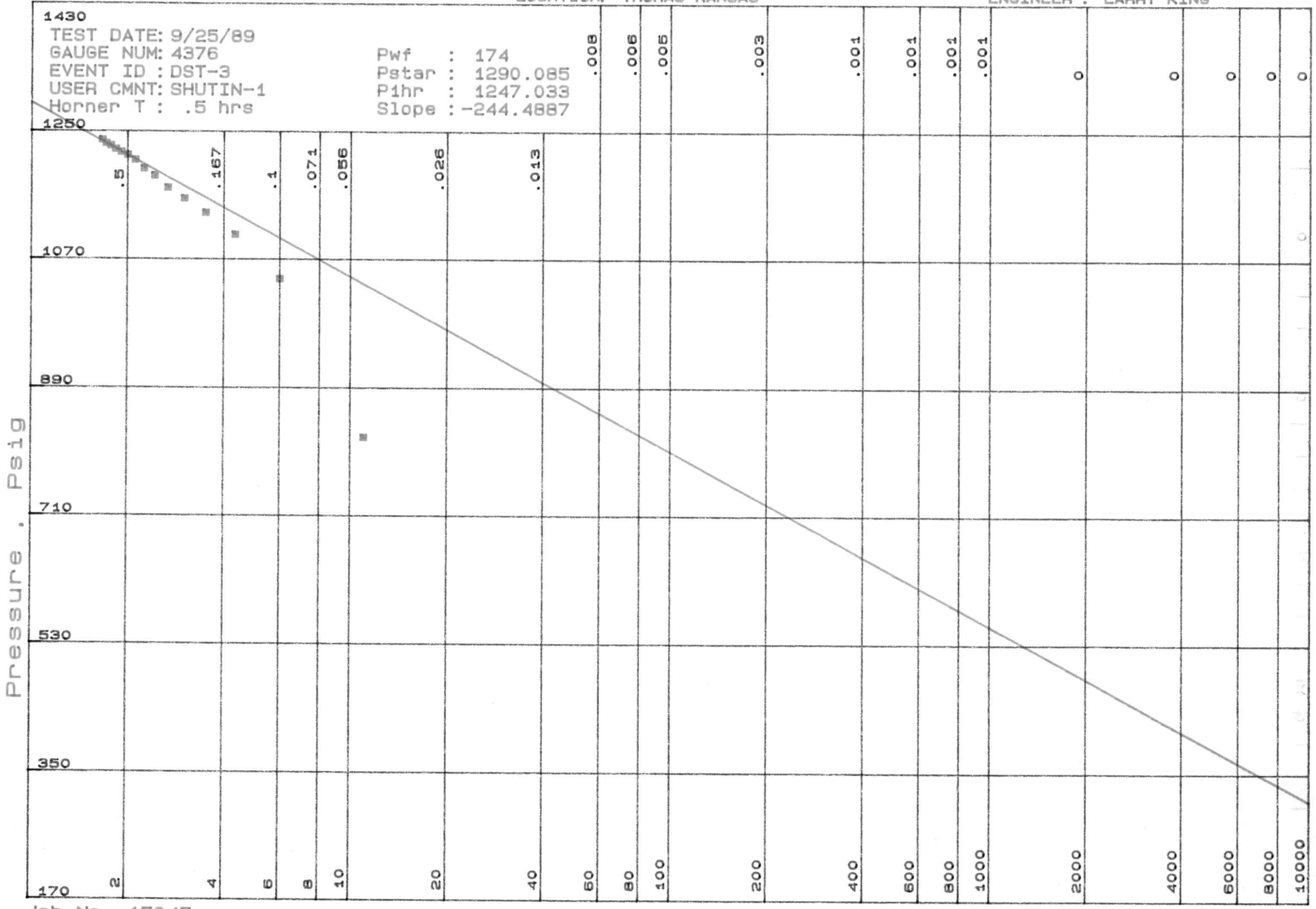

Job No. 15045
WESTERN TESTING CO. INC.

RES-TRAN

COMPANY: BRITO OIL COMPANY INC.
FIELD : REIGER

WELL # : 1-8
LOCATION: THOMAS-KANSAS

PROCESSED: 09-27-1989
ENGINEER : LARRY KING



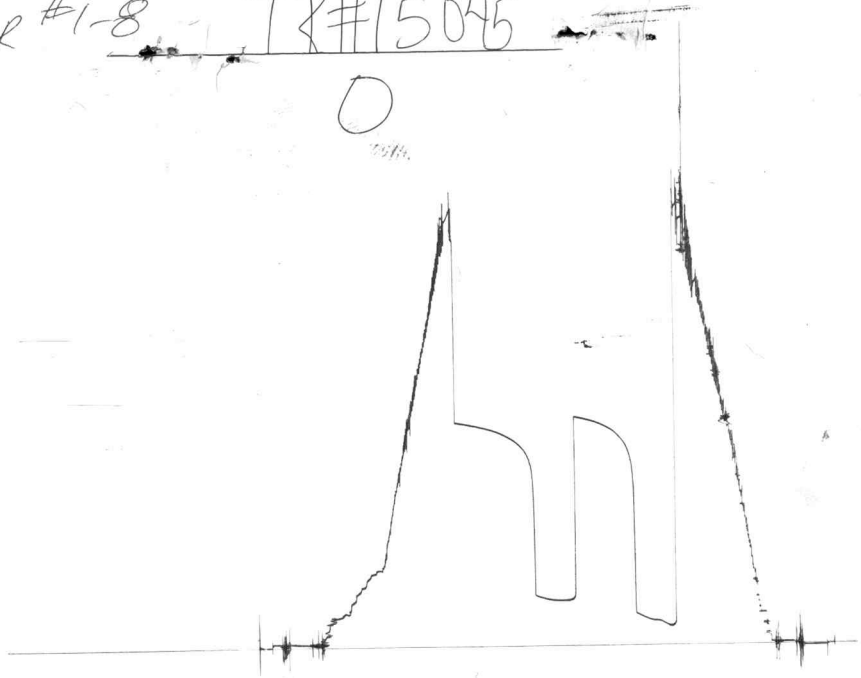

Job No. 15045
WESTERN TESTING CO. INC.

RES-TRAN

DST #3

Reiber #1-8 TK#15045

13548



DST #3

REIGER #1 [illegible] K#15045 #4376

I



# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10S RGE. 33W TEST NO. 4 DATE 9/26/89

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/26/89 | | | TICKET | : 15046 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : #1-8 TEST: 4 | | | GEOLOGIST | : RAUL BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : LKC "L" |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY | : THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE | : 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4382 | TO | : 4410 | TOTAL DEPTH | : 4410 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4377 | SIZE | : 6.75 | | |
| PACKER DEPTH | : 4382 | SIZE | : 6.75 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE DRILLING RIG #1 | | |
| MUD TYPE | : STARCH | VISCOSITY | : 53 |
| WEIGHT | : 9.8 | WATER LOSS (CC) | : 12.2 |
| CHLORIDES (PPM) | : 37000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 4010 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 28 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5 XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD-WEAK ITERMITTENT SURFACE BLOW-
BLOW COMMENT #2 : 1/4" IN WATER AFTER 30 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD-NO BLOW-FLUSH TOOL-NO BLOW
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: MUD
RECOVERED : 0 FT OF: CHLORIDES 42000 PPM

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 1.69 BFPD
Indicated Wtr Rate = 0.17 BWPD

REMARK 1 :
REMARK 2 : FLUSHED TOOL DURING FFP
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 7:50 AM TIME STARTED OFF BOTTOM : 10:35 AM
WELL TEMPERATURE : 128

| | | | | | | |
|---|---|---|---|---|---|---|
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 2333 | | |
| INITIAL FLOW PERIOD | MIN: | 30 | (B) | 38 | PSI TO (C) : | 38 |
| INITIAL CLOSED IN PERIOD | MIN: | 45 | (D) | 54 | | |
| FINAL FLOW PERIOD | MIN: | 30 | (E) | 46 | PSI TO (F) : | 52 |
| FINAL CLOSED IN PERIOD | MIN: | 63 | (G) | 71 | | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 2329 | | |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | | |
|---|---|---|
| COMPANY | : | BRITO OIL COMPANY INC. |
| RIG | : | THOMAS-KANSAS |
| FIELD | : | REIGER |
| WELL | : | #1-8 |
| DATE | : | 9/26/89 |
| GAUGE NO | : | 4376 |

OPERATIONAL COMMENTS

FLUSHED TOOL DURING FFP

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 26/ 9/89

FIELD : REIGER
JOB # : 15046
DEPTH : 4410
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| | INITIAL FLOW PERIOD | | | | |
| 2 | 7:50: 0 | 0.000 | 38.000 | 128.00 | 0.000 |
| 3 | 7:54:59 | 0.083 | 38.000 | 128.00 | 0.000 |
| 4 | 8: 0: 0 | 0.167 | 38.000 | 128.00 | 0.000 |
| 5 | 8: 5: 0 | 0.250 | 38.000 | 128.00 | 0.000 |
| 6 | 8: 9:59 | 0.333 | 38.000 | 128.00 | 0.000 |
| 7 | 8:15: 0 | 0.417 | 38.000 | 128.00 | 0.000 |
| 8 | 8:20: 0 | 0.500 | 38.000 | 128.00 | 0.000 |
| | INITIAL SHUT-IN PERIOD | | | | |
| 9 | 8:23: 0 | 0.550 | 38.000 | 128.00 | 0.000 |
| 10 | 8:26: 0 | 0.600 | 38.000 | 128.00 | 0.000 |
| 11 | 8:29: 0 | 0.650 | 38.000 | 128.00 | 0.000 |
| 12 | 8:32: 0 | 0.700 | 38.000 | 128.00 | 0.000 |
| 13 | 8:35: 0 | 0.750 | 38.000 | 128.00 | 0.000 |
| 14 | 8:38: 0 | 0.800 | 39.000 | 128.00 | 1.000 |
| 15 | 8:41: 0 | 0.850 | 41.000 | 128.00 | 2.000 |
| 16 | 8:44: 0 | 0.900 | 43.000 | 128.00 | 2.000 |
| 17 | 8:47: 0 | 0.950 | 45.000 | 128.00 | 2.000 |
| 18 | 8:50: 0 | 1.000 | 47.000 | 128.00 | 2.000 |
| 19 | 8:53: 0 | 1.050 | 48.000 | 128.00 | 1.000 |
| 20 | 8:56: 0 | 1.100 | 49.000 | 128.00 | 1.000 |
| 21 | 8:59: 0 | 1.150 | 50.000 | 128.00 | 1.000 |
| 22 | 9: 2: 0 | 1.200 | 51.000 | 128.00 | 1.000 |
| 23 | 9: 5: 0 | 1.250 | 54.000 | 128.00 | 3.000 |
| | FINAL FLOW PERIOD | | | | |
| 24 | 9: 6: 0 | 1.267 | 46.000 | 128.00 | -8.000 |
| 25 | 9: 9:59 | 1.333 | 46.000 | 128.00 | 0.000 |
| 26 | 9:15: 0 | 1.417 | 46.000 | 128.00 | 0.000 |
| 27 | 9:20: 0 | 1.500 | 56.000 | 128.00 | 10.000 |
| 28 | 9:24:59 | 1.583 | 54.000 | 128.00 | -2.000 |
| 29 | 9:30: 0 | 1.667 | 52.000 | 128.00 | -2.000 |
| 30 | 9:35: 0 | 1.750 | 52.000 | 128.00 | 0.000 |
| | FINAL SHUT-IN PERIOD | | | | |
| 31 | 9:38: 0 | 1.800 | 52.000 | 128.00 | 0.000 |
| 32 | 9:41: 0 | 1.850 | 52.000 | 128.00 | 0.000 |
| 33 | 9:44: 0 | 1.900 | 52.000 | 128.00 | 0.000 |
| 34 | 9:47: 0 | 1.950 | 52.000 | 128.00 | 0.000 |
| 35 | 9:50: 0 | 2.000 | 52.000 | 128.00 | 0.000 |
| 36 | 9:53: 0 | 2.050 | 52.000 | 128.00 | 0.000 |
| 37 | 9:56: 0 | 2.100 | 54.000 | 128.00 | 2.000 |
| 38 | 9:59: 0 | 2.150 | 56.000 | 128.00 | 2.000 |
| 39 | 10: 2: 0 | 2.200 | 58.000 | 128.00 | 2.000 |
| 40 | 10: 5: 0 | 2.250 | 59.000 | 128.00 | 1.000 |
| 41 | 10: 8: 0 | 2.300 | 60.000 | 128.00 | 1.000 |
| 42 | 10:11: 0 | 2.350 | 61.000 | 128.00 | 1.000 |
| 43 | 10:14: 0 | 2.400 | 62.000 | 128.00 | 1.000 |
| 44 | 10:17: 0 | 2.450 | 62.000 | 128.00 | 0.000 |
| 45 | 10:20: 0 | 2.500 | 62.000 | 128.00 | 0.000 |
| 46 | 10:23: 0 | 2.550 | 63.000 | 128.00 | 1.000 |
| 47 | 10:26: 0 | 2.600 | 64.000 | 128.00 | 1.000 |
| 48 | 10:29: 0 | 2.650 | 65.000 | 128.00 | 1.000 |

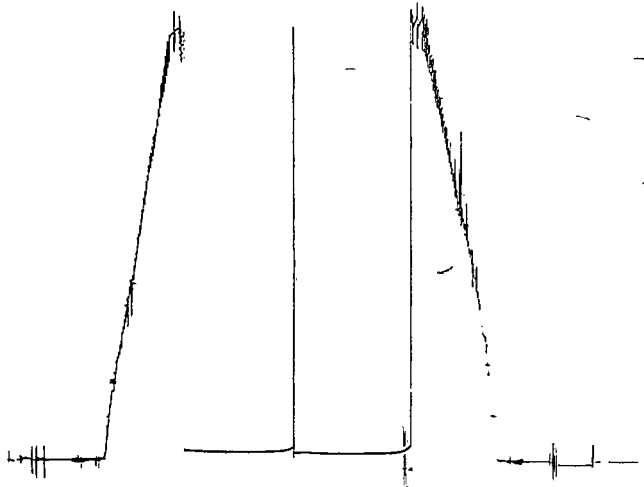
COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 26/ 9/89

FIELD : REIGER
JOB # : 15046
DEPTH : 4410
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| 49 | 10:32: 0 | 2.700 | 66.000 | 128.00 | 1.000 |
| 50 | 10:35: 0 | 2.750 | 68.000 | 128.00 | 2.000 |
| 51 | 10:38: 0 | 2.800 | 71.000 | 128.00 | 3.000 |

WESTERN TESTING CO. INC.

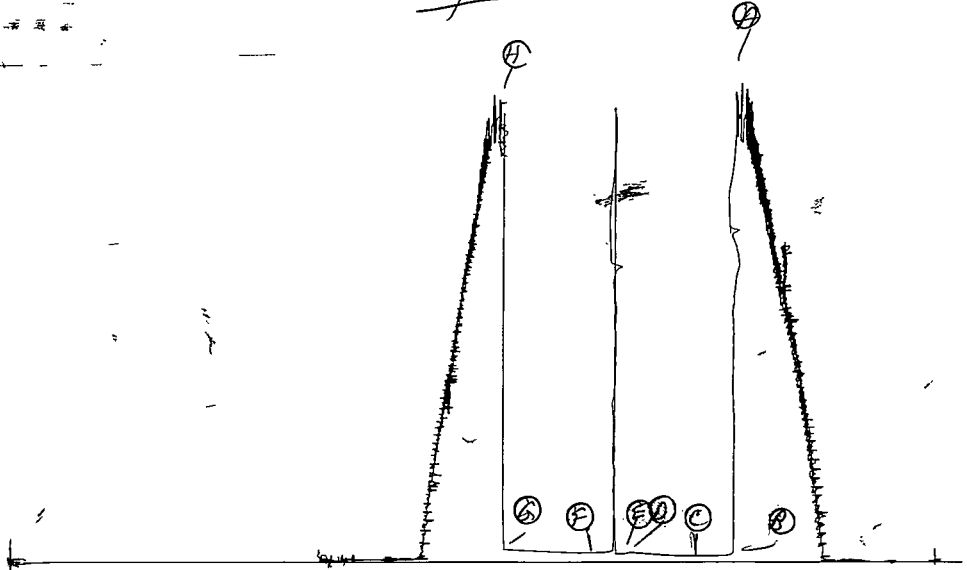
DST #4
Reiger 1-8
KT 15046
13548
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PST #4
Kelber 1-8

TK 15048 36

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# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10S RGE. 33W TEST NO. 5 DATE 9/27/89

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/27/89 | | | TICKET | : 15047 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : #1-8 TEST: 5 | | | GEOLOGIST | : RAUL BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : MYRICK ST-FT SCOTT |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY | : THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE | : 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4566 | TO | : 4620 | TOTAL DEPTH | : 4620 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4561 | SIZE | : 6.75 | | |
| PACKER DEPTH | : 4566 | SIZE | : 6.75 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE DRILLING RIG #1 | | |
| MUD TYPE | : STRARCH | VISCOSITY | : 50 |
| WEIGHT | : 9.7 | WATER LOSS (CC) | : 11.2 |
| CHLORIDES (PPM) | : 36000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 4194 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 54 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5 XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD-FAIR BUILDING BLOW-10 1/2" IN
BLOW COMMENT #2 : WATER IN 30 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD-GOOD BUILDING BLOW-BOTTOM OF
BLOW COMMENT #4 : BUCKET IN 30 MINUTES.

| | | | | |
|---|---|---|---|---|
| RECOVERED | : | 367 | FT | OF: MUD CUT GASSY OIL W/ TRACE OF WATER- |
| RECOVERED | : | 0 | FT | OF: 36% OIL 40% GAS 90% MUD 15% WATER |
| RECOVERED | : | 62 | FT | OF: WATERY MUD W/ SCUM OF OIL- |
| RECOVERED | : | 0 | FT | OF: 60% WATER-OIL LESS THAN 2% |
| RECOVERED | : | 0 | FT | OF: CHLORIDES 54000 PPM |

| | | |
|---|---|---|
| Total Barrels Fluid | = | 2.73 |
| Total Fluid Prod Rate | = | 43.76 BFPD |
| Indicated Oil Rate | = | 3.86 BOPD |
| Indicated Wtr Rate | = | 8.14 BWPD |
| Corrected Oil Rate | = | 26.86 BOPD |
| Corrected Wtr Rate | = | 56.71 BWPD |

REMARK 1 :
REMARK 2 : GRAVITY OF OIL 42 @ 60 DEGREES
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:30 PM TIME STARTED OFF BOTTOM : 9:45 PM
WELL TEMPERATURE : 134

| | | | | | | |
|---|---|---|---|---|---|---|
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 2509 | | |
| INITIAL FLOW PERIOD | MIN: | 30 | (B) | 75 | PSI TO (C) : | 109 |
| INITIAL CLOSED IN PERIOD | MIN: | 45 | (D) | 1007 | | |
| FINAL FLOW PERIOD | MIN: | 60 | (E) | 154 | PSI TO (F) : | 168 |
| FINAL CLOSED IN PERIOD | MIN: | 60 | (G) | 968 | | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 2427 | | |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : #1-8 |
| DATE | : 9/27/89 |
| GAUGE NO | : 4376 |

OPERATIONAL COMMENTS

GRAVITY OF OIL 42 @ 60 DEGREES

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 27/ 9/89

FIELD : REIGER
JOB # : 15047
DEPTH : 4620
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| | INITIAL FLOW PERIOD | | | | |
| 2 | 6:30: 0 | 0.000 | 75.000 | 134.00 | 0.000 |
| 3 | 6:34:59 | 0.083 | 75.000 | 134.00 | 0.000 |
| 4 | 6:40: 0 | 0.167 | 80.000 | 134.00 | 5.000 |
| 5 | 6:45: 0 | 0.250 | 88.000 | 134.00 | 8.000 |
| 6 | 6:49:59 | 0.333 | 96.000 | 134.00 | 8.000 |
| 7 | 6:55: 0 | 0.417 | 104.000 | 134.00 | 8.000 |
| 8 | 7: 0: 0 | 0.500 | 109.000 | 134.00 | 5.000 |
| | INITIAL SHUT-IN PERIOD | | | | |
| 9 | 7: 3: 0 | 0.550 | 222.000 | 134.00 | 113.000 |
| 10 | 7: 6: 0 | 0.600 | 384.000 | 134.00 | 162.000 |
| 11 | 7: 9: 0 | 0.650 | 515.000 | 134.00 | 131.000 |
| 12 | 7:12: 0 | 0.700 | 623.000 | 134.00 | 108.000 |
| 13 | 7:15: 0 | 0.750 | 721.000 | 134.00 | 98.000 |
| 14 | 7:18: 0 | 0.800 | 788.000 | 134.00 | 67.000 |
| 15 | 7:21: 0 | 0.850 | 842.000 | 134.00 | 54.000 |
| 16 | 7:24: 0 | 0.900 | 882.000 | 134.00 | 40.000 |
| 17 | 7:27: 0 | 0.950 | 908.000 | 134.00 | 26.000 |
| 18 | 7:30: 0 | 1.000 | 937.000 | 134.00 | 29.000 |
| 19 | 7:33: 0 | 1.050 | 957.000 | 134.00 | 20.000 |
| 20 | 7:36: 0 | 1.100 | 973.000 | 134.00 | 16.000 |
| 21 | 7:39: 0 | 1.150 | 988.000 | 134.00 | 15.000 |
| 22 | 7:42: 0 | 1.200 | 1001.000 | 134.00 | 13.000 |
| 23 | 7:45: 0 | 1.250 | 1007.000 | 134.00 | 6.000 |
| | FINAL FLOW PERIOD | | | | |
| 24 | 7:46: 0 | 1.267 | 154.000 | 134.00 | -853.000 |
| 25 | 7:49:59 | 1.333 | 154.000 | 134.00 | 0.000 |
| 26 | 7:55: 0 | 1.417 | 154.000 | 134.00 | 0.000 |
| 27 | 8: 0: 0 | 1.500 | 154.000 | 134.00 | 0.000 |
| 28 | 8: 4:59 | 1.583 | 154.000 | 134.00 | 0.000 |
| 29 | 8:10: 0 | 1.667 | 154.000 | 134.00 | 0.000 |
| 30 | 8:15: 0 | 1.750 | 156.000 | 134.00 | 2.000 |
| 31 | 8:19:59 | 1.833 | 158.000 | 134.00 | 2.000 |
| 32 | 8:25: 0 | 1.917 | 160.000 | 134.00 | 2.000 |
| 33 | 8:30: 0 | 2.000 | 162.000 | 134.00 | 2.000 |
| 34 | 8:34:59 | 2.083 | 164.000 | 134.00 | 2.000 |
| 35 | 8:40: 0 | 2.167 | 166.000 | 134.00 | 2.000 |
| 36 | 8:45: 0 | 2.250 | 168.000 | 134.00 | 2.000 |
| | FINAL SHUT-IN PERIOD | | | | |
| 37 | 8:48: 0 | 2.300 | 219.000 | 134.00 | 51.000 |
| 38 | 8:51: 0 | 2.350 | 325.000 | 134.00 | 106.000 |
| 39 | 8:54: 0 | 2.400 | 411.000 | 134.00 | 86.000 |
| 40 | 8:57: 0 | 2.450 | 487.000 | 134.00 | 76.000 |
| 41 | 9: 0: 0 | 2.500 | 564.000 | 134.00 | 77.000 |
| 42 | 9: 3: 0 | 2.550 | 627.000 | 134.00 | 63.000 |
| 43 | 9: 6: 0 | 2.600 | 683.000 | 134.00 | 56.000 |
| 44 | 9: 9: 0 | 2.650 | 737.000 | 134.00 | 54.000 |
| 45 | 9:12: 0 | 2.700 | 772.000 | 134.00 | 35.000 |
| 46 | 9:15: 0 | 2.750 | 805.000 | 134.00 | 33.000 |
| 47 | 9:18: 0 | 2.800 | 834.000 | 134.00 | 29.000 |
| 48 | 9:21: 0 | 2.850 | 860.000 | 134.00 | 26.000 |

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 27/ 9/89

FIELD : REIGER
JOB # : 15047
DEPTH : 4620
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| 49 | 9:24: 0 | 2.900 | 878.000 | 134.00 | 18.000 |
| 50 | 9:27: 0 | 2.950 | 897.000 | 134.00 | 19.000 |
| 51 | 9:30: 0 | 3.000 | 913.000 | 134.00 | 16.000 |
| 52 | 9:33: 0 | 3.050 | 925.000 | 134.00 | 12.000 |
| 53 | 9:36: 0 | 3.100 | 938.000 | 134.00 | 13.000 |
| 54 | 9:39: 0 | 3.150 | 948.000 | 134.00 | 10.000 |
| 55 | 9:42: 0 | 3.200 | 959.000 | 134.00 | 11.000 |
| 56 | 9:45: 0 | 3.250 | 968.000 | 134.00 | 9.000 |

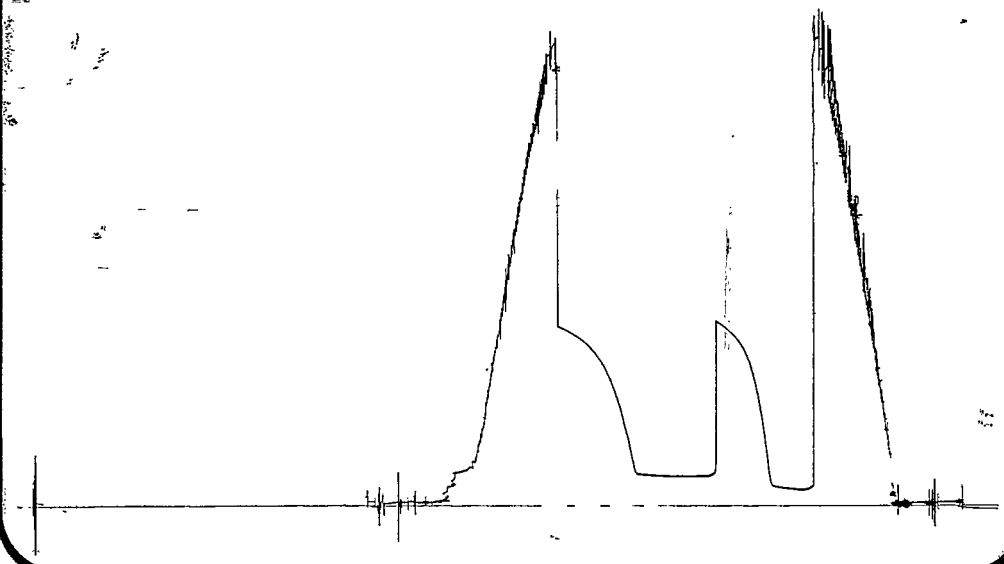
WESTERN TESTING CO. INC.

Reign. 78

3548

TKT 150yr

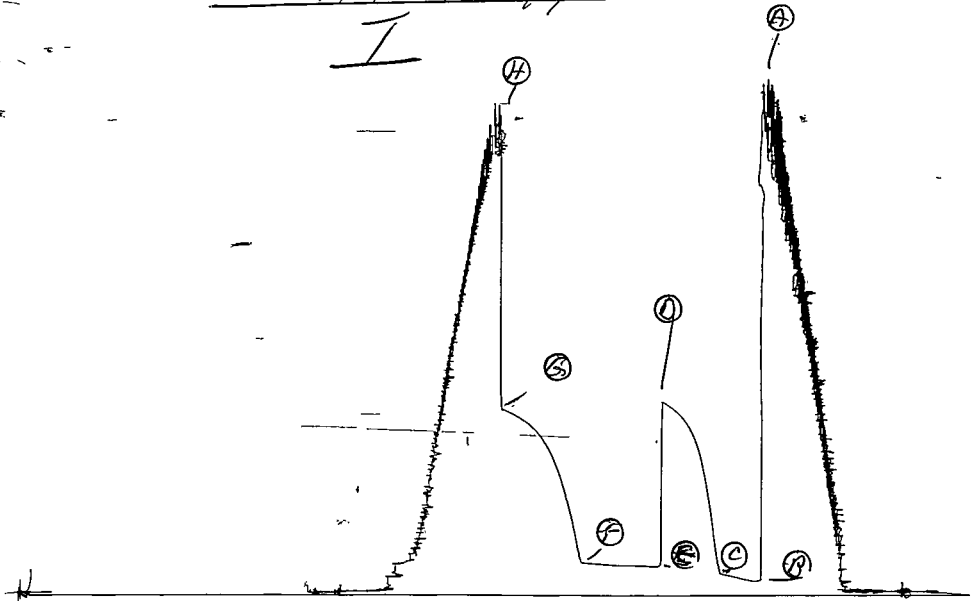
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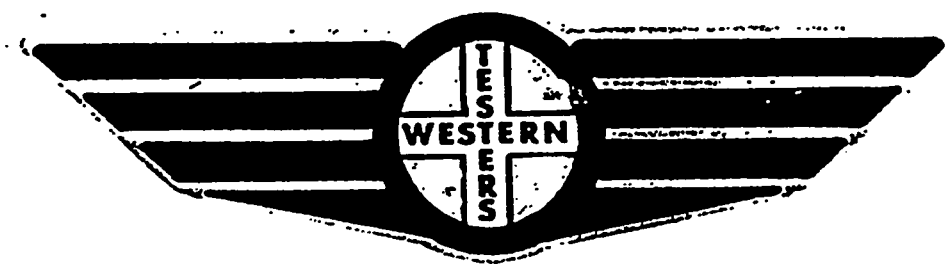
Region 1-8

TKT 15047

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# FORMATION TEST REPORT




Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

COMPANY BRITO OIL COMPANY, INC. LEASE & WELL NO. REIGER #1-8 SEC. 8 TWP. 10S RGE. 33W TEST NO. 6 DATE 9/28/89

# WESTERN TESTING CO. INC.
## SUBSURFACE PRESSURE SURVEY

| | | | | | |
|---|---|---|---|---|---|
| DATE | : 9/28/89 | | | TICKET | : 15048 |
| CUSTOMER | : BRITO OIL COMPANY INC. | | | LEASE | : REIGER |
| WELL | : #1-8 TEST: 6 | | | GEOLOGIST | : RAUL BRITO |
| ELEVATION | : 3200 GL | | | FORMATION | : JOHNSON |
| SECTION | : 8 | | | TOWNSHIP | : 10S |
| RANGE | : 33W | COUNTY | : THOMAS | STATE | : KANSAS |
| GAUGE SN# | : 4376 | RANGE | : 4000 | CLOCK | : 12 |

| | | | | | |
|---|---|---|---|---|---|
| INTERVAL FROM | : 4636 | TO | : 4715 | TOTAL DEPTH | : 4715 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4631 | SIZE | : 6.75 | | |
| PACKER DEPTH | : 4636 | SIZE | : 6.75 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|---|---|---|---|
| DRILLING CON. | : BLUE GOOSE DRILLING RIG #1 | | |
| MUD TYPE | : STARCH | VISCOSITY | : 52 |
| WEIGHT | : 9.8 | WATER LOSS (CC) | : 11.8 |
| CHLORIDES (PPM) | : 36000 | | |
| JARS-MAKE | : | SERIAL NUMBER | : |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | | | |
|---|---|---|---|---|---|
| DRILL COLLAR LENGTH | : 352 | FT | I.D. inch | : 2.20 | |
| WEIGHT PIPE LENGTH | : 0 | FT | I.D. inch | : 0.00 | |
| DRILL PIPE LENGTH | : 4264 | FT | I.D. inch | : 3.80 | |
| TEST TOOL LENGTH | : 20 | FT | TOOL SIZE | : 5.50 | |
| ANCHOR LENGTH | : 79 | FT | ANCHOR SIZE | : 5.50 | |
| SURFACE CHOKE SIZE | : .75 | IN | BOTTOM CHOKE SIZE | : .75 | |
| MAIN HOLE SIZE | : 7.875 | IN | TOOL JOINT SIZE | : 4.5 XH | |

BLOW COMMENT #1 : INITIAL FLOW PERIOD-WEAK SURFACE BLOW-DIED IN 7 MIN.
BLOW COMMENT #2 : FINAL FLOW PERIOD-NO BLOW-FLUSHED TOOL-NO BLOW
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD
RECOVERED : 0 FT OF: CHLORIDES 40000 PPM

Total Barrels Fluid = 0.05
Total Fluid Prod Rate = 1.13 BFPD
Indicated Wtr Rate = 0.01 BWPD

REMARK 1 :
REMARK 2 : FLUSED TOOL ON FFP
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 5:20 PM TIME STARTED OFF BOTTOM : 7:20 PM
WELL TEMPERATURE : 131

| | | | | | | |
|---|---|---|---|---|---|---|
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 2474 | | |
| INITIAL FLOW PERIOD | MIN: | 30 | (B) | 33 | PSI TO (C) : | 33 |
| 1NITIAL CLOSED IN PERIOD | MIN: | 30 | (D) | 82 | | |
| FINAL FLOW PERIOD | MIN: | 30 | (E) | 54 | PSI TO (F) : | 50 |
| FINAL CLOSED IN PERIOD | MIN: | 30 | (G) | 70 | | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 2441 | | |

WESTERN TESTING CO. INC.
WICHITA-KANSAS

# Pressure Transient Report

| | |
|---|---|
| COMPANY | : BRITO OIL COMPANY INC. |
| RIG | : THOMAS-KANSAS |
| FIELD | : REIGER |
| WELL | : #1-8 |
| DATE | : 9/28/89 |
| GAUGE NO | : 4376 |

OPERATIONAL COMMENTS

FLUSED TOOL ON FFP

COMPANY : BRITO OIL COMPANY INC.
WELL : #1-8
GAUGE # : 4376
DATE : 28/ 9/89

FIELD : REIGER
JOB # : 15048
DEPTH : 4715
TEST :

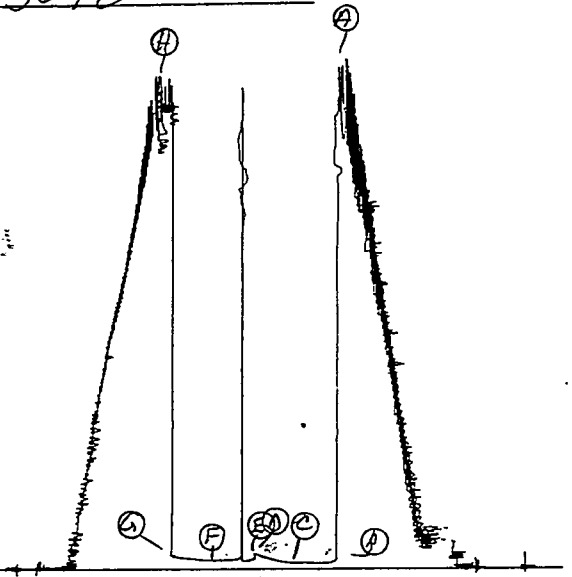
| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|---|---|---|---|---|---|
| | INITIAL FLOW PERIOD | | | | |
| 2 | 5:20: 0 | 0.000 | 33.000 | 131.00 | 0.000 |
| 3 | 5:24:59 | 0.083 | 33.000 | 131.00 | 0.000 |
| 4 | 5:30: 0 | 0.167 | 33.000 | 131.00 | 0.000 |
| 5 | 5:35: 0 | 0.250 | 33.000 | 131.00 | 0.000 |
| 6 | 5:39:59 | 0.333 | 33.000 | 131.00 | 0.000 |
| 7 | 5:45: 0 | 0.417 | 33.000 | 131.00 | 0.000 |
| 8 | 5:50: 0 | 0.500 | 33.000 | 131.00 | 0.000 |
| | INITIAL SHUT-IN PERIOD | | | | |
| 9 | 5:53: 0 | 0.550 | 36.000 | 131.00 | 3.000 |
| 10 | 5:56: 0 | 0.600 | 38.000 | 131.00 | 2.000 |
| 11 | 5:59: 0 | 0.650 | 40.000 | 131.00 | 2.000 |
| 12 | 6: 2: 0 | 0.700 | 43.000 | 131.00 | 3.000 |
| 13 | 6: 5: 0 | 0.750 | 47.000 | 131.00 | 4.000 |
| 14 | 6: 8: 0 | 0.800 | 53.000 | 131.00 | 6.000 |
| 15 | 6:11: 0 | 0.850 | 59.000 | 131.00 | 6.000 |
| 16 | 6:14: 0 | 0.900 | 66.000 | 131.00 | 7.000 |
| 17 | 6:17: 0 | 0.950 | 70.000 | 131.00 | 4.000 |
| 18 | 6:20: 0 | 1.000 | 82.000 | 131.00 | 12.000 |
| | FINAL FLOW PERIOD | | | | |
| 19 | 6:21: 0 | 1.017 | 54.000 | 131.00 | -28.000 |
| 20 | 6:24:59 | 1.083 | 47.000 | 131.00 | -7.000 |
| 21 | 6:30: 0 | 1.167 | 60.000 | 131.00 | 13.000 |
| 22 | 6:35: 0 | 1.250 | 52.000 | 131.00 | -8.000 |
| 23 | 6:39:59 | 1.333 | 51.000 | 131.00 | -1.000 |
| 24 | 6:45: 0 | 1.417 | 50.000 | 131.00 | -1.000 |
| 25 | 6:50: 0 | 1.500 | 50.000 | 131.00 | 0.000 |
| | FINAL SHUT-IN PERIOD | | | | |
| 26 | 6:53: 0 | 1.550 | 50.000 | 131.00 | 0.000 |
| 27 | 6:56: 0 | 1.600 | 50.000 | 131.00 | 0.000 |
| 28 | 6:59: 0 | 1.650 | 52.000 | 131.00 | 2.000 |
| 29 | 7: 2: 0 | 1.700 | 54.000 | 131.00 | 2.000 |
| 30 | 7: 5: 0 | 1.750 | 56.000 | 131.00 | 2.000 |
| 31 | 7: 8: 0 | 1.800 | 58.000 | 131.00 | 2.000 |
| 32 | 7:11: 0 | 1.850 | 60.000 | 131.00 | 2.000 |
| 33 | 7:14: 0 | 1.900 | 63.000 | 131.00 | 3.000 |
| 34 | 7:17: 0 | 1.950 | 66.000 | 131.00 | 3.000 |
| 35 | 7:20: 0 | 2.000 | 70.000 | 131.00 | 4.000 |

Reiger 1-8
DST #6

# 4316

TKT-1504B

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Reiger 1-8
DST #6

TKT-15048

13548

