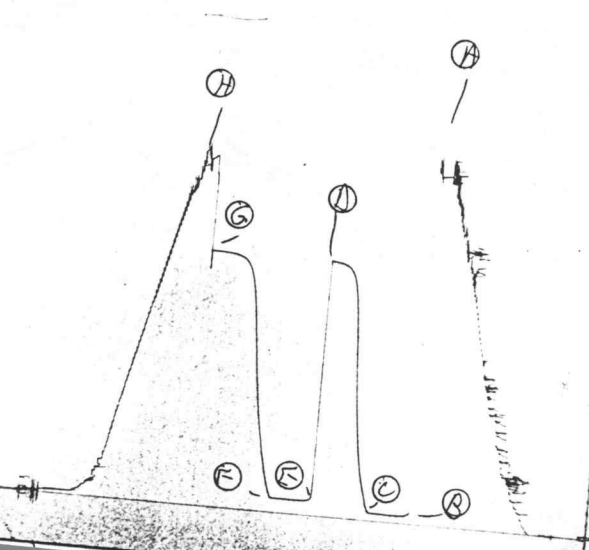


HA 12479

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TX 12479  
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2/5/50



KT 12479

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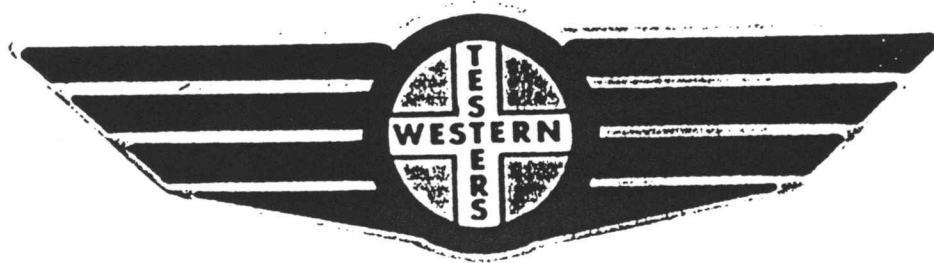


KT 12479

DST#1

13762 Rec

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BRANDT PRODUCTION CO., INC. LEASE & WELL NO. WAGONER #2 SEC. 18 TWP. 31S RGE. 1W TEST NO. 1 DATE 3/7/88

RECOVERED : 60 FT OF: SLIGHTLY OIL CUT MUD  
10% OIL-90% MUD  
RECOVERED : 60 FT OF: OIL & GAS CUT MUD  
35% GAS-20% OIL-45% MUD

Total Barrels Fluid = 0.59  
Total Fluid Prod Rate = 14.16 BFPD  
Indicated Oil Rate = 2.12 BOPD  
Indicated Wtr Rate = 0.96 BWPD

REMARK 1 :  
REMARK 2 : RECOVERED 560 FEET OF GAS ABOVE FLUID.  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 1:15 AM TIME STARTED OFF BOTTOM : 4:00 AM  
WELL TEMPERATURE : 115  
INITIAL HYDROSTATIC PRESSURE (A) 1827  
INITIAL FLOW PERIOD MIN: 30 (B) 42 PSI TO (C) : 42  
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1342  
FINAL FLOW PERIOD MIN: 30 (E) 77 PSI TO (F) : 77  
FINAL CLOSED IN PERIOD MIN: 60 (G) 1340  
FINAL HYDROSTATIC PRESSURE (H) 1827

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BRANDT PRODUCTION CO. INC.  
RIG : SUMNER-KANSAS  
FIELD : WAGONER  
WELL : #2  
DATE : 3-7-88  
GAUGE NO : 3659

OPERATIONAL COMMENTS

RECOVERED 560 FEET OF GAS ABOVE FLUID.

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

|           |   |                            |           |   |             |
|-----------|---|----------------------------|-----------|---|-------------|
| DATE      | : | 3-7-88                     | TICKET    | : | 12479       |
| CUSTOMER  | : | BRANDT PRODUCTION CO. INC. | LEASE     | : | WAGONER     |
| WELL      | : | #2 TEST: 1                 | GEOLOGIST | : | E. BRANDT   |
| ELEVATION | : | 1280 KB (est)              | FORMATION | : | MISSISSIPPI |
| SECTION   | : | 18                         | TOWNSHIP  | : | 31S         |
| RANGE     | : | 1W                         | COUNTY    | : | SUMNER      |
| GAUGE SN# | : | 3659                       | STATE     | : | KANSAS      |
|           |   |                            | RANGE     | : | 4000        |
|           |   |                            | CLOCK     | : | 12          |

|                         |   |      |      |   |      |             |   |      |
|-------------------------|---|------|------|---|------|-------------|---|------|
| INTERVAL FROM           | : | 3745 | TO   | : | 3763 | TOTAL DEPTH | : | 3763 |
| DEPTH OF SELECTIVE ZONE | : |      |      |   |      |             |   |      |
| PACKER DEPTH            | : | 3740 | SIZE | : | 6.63 |             |   |      |
| PACKER DEPTH            | : | 3745 | SIZE | : | 6.63 |             |   |      |
| PACKER DEPTH            | : |      | SIZE | : |      |             |   |      |
| PACKER DEPTH            | : |      | SIZE | : |      |             |   |      |

|                 |   |              |                 |   |      |
|-----------------|---|--------------|-----------------|---|------|
| DRILLING CON.   | : | BRANDT RIG 1 |                 |   |      |
| MUD TYPE        | : | CHEMICAL     | VISCOSITY       | : | 48   |
| WEIGHT          | : | 9.4          | WATER LOSS (CC) | : | 11.0 |
| CHLORIDES (PPM) | : | 3000         |                 |   |      |
| JARS-MAKE       | : |              | SERIAL NUMBER   | : |      |
| DID WELL FLOW ? | : |              | REVERSED OUT ?  | : |      |

|                     |   |       |    |                   |   |        |
|---------------------|---|-------|----|-------------------|---|--------|
| DRILL COLLAR LENGTH | : | 402   | FT | I.D. inch         | : | 2.25   |
| WEIGHT PIPE LENGTH  | : | 0     | FT | I.D. inch         | : | 0.00   |
| DRILL PIPE LENGTH   | : | 3322  | FT | I.D. inch         | : | 3.80   |
| TEST TOOL LENGTH    | : | 21    | FT | TOOL SIZE         | : | 5.50   |
| ANCHOR LENGTH       | : | 18    | 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-WEAK BLOW-BUILDING TO FAIR-HOSE 7"  
INTO BUCKET.

BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW OFF BOTTOM OF BUCKET.

BLOW COMMENT #3 :

BLOW COMMENT #4 :

COMPANY : BRANDT PRODUCTION CO. INC.

WELL : #2

GAUGE # : 3659

DATE : 7/ 3/88

FIELD : WAGONER

JOB # : 12479

DEPTH : 3763

TEST :

| DATA<br>No. | REAL TIME<br>HR:MN:SS | ELAPSE TIME<br>DELTA HOURS | PRESSURE<br>PSIG | TEMP<br>DEG F | DELTA P<br>Pi-P(i-1) |
|-------------|-----------------------|----------------------------|------------------|---------------|----------------------|
| 1           | 1:15: 0               | 0.000                      | 42.000           | 115.00        | 0.000                |
| 2           | 1:19:59               | 0.083                      | 42.000           | 115.00        | 0.000                |
| 3           | 1:25: 0               | 0.167                      | 42.000           | 115.00        | 0.000                |
| 4           | 1:30: 0               | 0.250                      | 42.000           | 115.00        | 0.000                |
| 5           | 1:34:59               | 0.333                      | 42.000           | 115.00        | 0.000                |
| 6           | 1:40: 0               | 0.417                      | 42.000           | 115.00        | 0.000                |
| 7           | 1:45: 0               | 0.500                      | 42.000           | 115.00        | 0.000                |
| 8           | 1:48: 0               | 0.550                      | 107.000          | 115.00        | 65.000               |
| 9           | 1:51: 0               | 0.600                      | 179.000          | 115.00        | 72.000               |
| 10          | 1:54: 0               | 0.650                      | 275.000          | 115.00        | 96.000               |
| 11          | 1:57: 0               | 0.700                      | 407.000          | 115.00        | 132.000              |
| 12          | 2: 0: 0               | 0.750                      | 581.000          | 115.00        | 174.000              |
| 13          | 2: 3: 0               | 0.800                      | 810.000          | 115.00        | 229.000              |
| 14          | 2: 6: 0               | 0.850                      | 1076.000         | 115.00        | 266.000              |
| 15          | 2: 9: 0               | 0.900                      | 1241.000         | 115.00        | 165.000              |
| 16          | 2:12: 0               | 0.950                      | 1287.000         | 115.00        | 46.000               |
| 17          | 2:15: 0               | 1.000                      | 1315.000         | 115.00        | 28.000               |
| 18          | 2:18: 0               | 1.050                      | 1326.000         | 115.00        | 11.000               |
| 19          | 2:21: 0               | 1.100                      | 1333.000         | 115.00        | 7.000                |
| 20          | 2:24: 0               | 1.150                      | 1336.000         | 115.00        | 3.000                |
| 21          | 2:27: 0               | 1.200                      | 1339.000         | 115.00        | 3.000                |
| 22          | 2:30: 0               | 1.250                      | 1342.000         | 115.00        | 3.000                |
| 23          | 2:31: 0               | 1.267                      | 77.000           | 115.00        | -1265.000            |
| 24          | 2:34:59               | 1.333                      | 77.000           | 115.00        | 0.000                |
| 25          | 2:40: 0               | 1.417                      | 77.000           | 115.00        | 0.000                |
| 26          | 2:45: 0               | 1.500                      | 77.000           | 115.00        | 0.000                |
| 27          | 2:49:59               | 1.583                      | 77.000           | 115.00        | 0.000                |
| 28          | 2:55: 0               | 1.667                      | 77.000           | 115.00        | 0.000                |
| 29          | 3: 0: 0               | 1.750                      | 77.000           | 115.00        | 0.000                |
| 30          | 3: 3: 0               | 1.800                      | 133.000          | 115.00        | 56.000               |
| 31          | 3: 6: 0               | 1.850                      | 207.000          | 115.00        | 74.000               |
| 32          | 3: 9: 0               | 1.900                      | 292.000          | 115.00        | 85.000               |
| 33          | 3:12: 0               | 1.950                      | 406.000          | 115.00        | 114.000              |
| 34          | 3:15: 0               | 2.000                      | 524.000          | 115.00        | 118.000              |
| 35          | 3:18: 0               | 2.050                      | 661.000          | 115.00        | 137.000              |
| 36          | 3:21: 0               | 2.100                      | 851.000          | 115.00        | 190.000              |
| 37          | 3:24: 0               | 2.150                      | 1049.000         | 115.00        | 198.000              |
| 38          | 3:27: 0               | 2.200                      | 1211.000         | 115.00        | 162.000              |
| 39          | 3:30: 0               | 2.250                      | 1273.000         | 115.00        | 62.000               |
| 40          | 3:33: 0               | 2.300                      | 1305.000         | 115.00        | 32.000               |
| 41          | 3:36: 0               | 2.350                      | 1318.000         | 115.00        | 13.000               |
| 42          | 3:39: 0               | 2.400                      | 1327.000         | 115.00        | 9.000                |
| 43          | 3:42: 0               | 2.450                      | 1332.000         | 115.00        | 5.000                |
| 44          | 3:45: 0               | 2.500                      | 1336.000         | 115.00        | 4.000                |
| 45          | 3:48: 0               | 2.550                      | 1338.000         | 115.00        | 2.000                |
| 46          | 3:51: 0               | 2.600                      | 1340.000         | 115.00        | 2.000                |
| 47          | 3:54: 0               | 2.650                      | 1340.000         | 115.00        | 0.000                |
| 48          | 3:57: 0               | 2.700                      | 1340.000         | 115.00        | 0.000                |
| 49          | 4: 0: 0               | 2.750                      | 1340.000         | 115.00        | 0.000                |

WESTERN TESTING CO. INC.