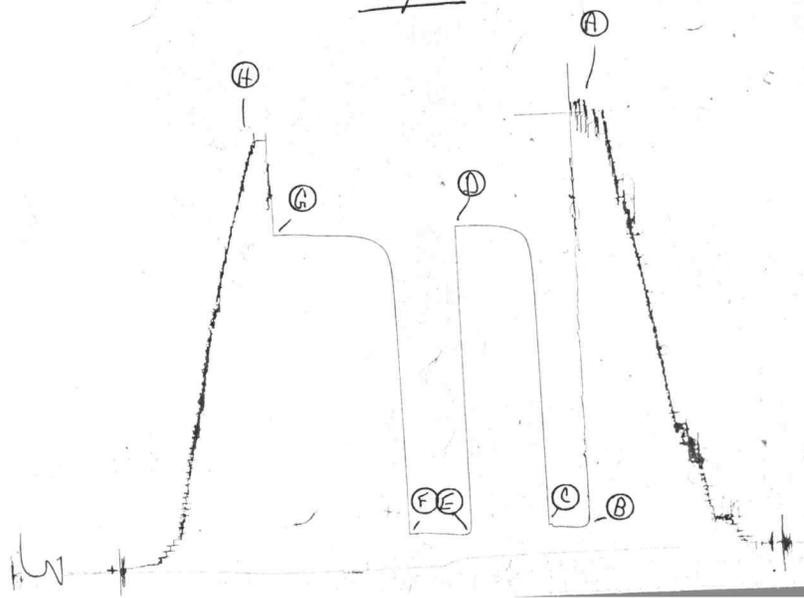


TK7 1014

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WESTERN TESTING COMPANY  
SUBSURFACE PRESSURE SURVEY

DATE: 4/21/83  
CUSTOMER: THE REACH GROUP  
WELL: 1  
ELEVATION (KB): 0  
SECTION: 21  
RANGE: 6W  
GAUGE SN #1563

TEST: 1  
COUNTY: HARPER  
RANGE: 4200

TICKET #1014  
LEASE: BASSFORD  
GEOLOGIST: PALMER  
FORMATION: MISSISSIPPIAN  
TOWNSHIP: 33S  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 4434 FT TO: 4452 FT TOTAL DEPTH: 4452 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 4429 FT SIZE: 6 5/8 IN PACKER DEPTH: 4434 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: REACH DRLG  
MUD TYPE: STARCH VISCOSITY: 44  
WEIGHT: 9.8 WATER LOSS (CC): 8.8  
CHLORIDES (P.P.M.): 23000  
JARS - MAKE: WTC SERIAL NUMBER: 418  
DID WELL FLOW? YES REVERSED OUT? NO  
DRILL COLLAR LENGTH: 250 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 4154 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 30 FT TOOL SIZE: 5 1/2 OD IN  
ANCHOR LENGTH: 18 FT SIZE: 5 1/2 OD IN  
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: GAS TO SURFACE IN 5 MINUTES.  
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 70 FT OF: MUD.  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 3:00 PM TIME STARTED OFF BOTTOM: 6:45 PM  
WELL TEMPERATURE: 137 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 2415 PSI  
INITIAL FLOW PERIOD MIN: 30 (B) 139 PSI TO (C) 161 PSI  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1833 PSI  
FINAL FLOW PERIOD MIN: 45 (E) 127 PSI TO (F) 143 PSI  
FINAL CLOSED IN PERIOD MIN: 90 (G) 1827 PSI  
FINAL HYDROSTATIC PRESSURE (H) 2354 PSI





WESTERN TESTING COMPANY  
GAS FLOW REPORT

DATE: 4/21/83  
CUSTOMER: THE REACH GROUP  
WELL: 1  
ELEVATION (KB): 0  
SECTION: 21  
RANGE: 6W  
GAUGE SN #1563

TEST: 1  
COUNTY: HARPER  
RANGE: 4200

TICKET #1014  
LEASE: BASSFORD  
GEOLOGIST: PALMER  
FORMATION: MISSISSIPPIAN  
TOWNSHIP: 33S  
STATE: KANSAS  
CLOCK: 12

| TIME GAUGE<br>(MIN) | TESTER TYPE | ORIFICE<br>SIZE | PRESSURE<br>(PSI) | FLOW DESCRIPTION |
|---------------------|-------------|-----------------|-------------------|------------------|
|---------------------|-------------|-----------------|-------------------|------------------|

PRE FLOW

|    |       |       |           |             |
|----|-------|-------|-----------|-------------|
| 10 | MERLA | 1 1/2 | 40" OFWTR | 440000 CFPD |
| 20 |       | 1 1/2 | 48" OFWTR | 482000 CFPD |
| 25 |       | 1 1/2 | 50" OFWTR | 493000 CFPD |

SECOND FLOW

|    |       |       |           |             |
|----|-------|-------|-----------|-------------|
| 10 | MERLA | 1 1/2 | 42" OFWTR | 451000 CFPD |
| 20 |       | 1 1/2 | 44" OFWTR | 462000 CFPD |
| 30 |       | 1 1/2 | 48" OFWTR | 482000 CFPD |
| 40 |       | 1 1/2 | 48" OFWTR | 482000 CFPD |
| 45 |       | 1 1/2 | 50" OFWTR | 493000 CFPD |

GAS BOTTLE SN #: 626  
DATE BOTTLE FILLED: 4/21/83  
DATE TO BE INVOICED: 4/21/83