

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 7/17/83  
CUSTOMER: RANGE OIL COMPANY INC.  
WELL: 1  
ELEVATION (KB): 1258  
SECTION: 34  
RANGE: 3E  
GAUGE SN #13265

TEST: 1  
FORMATION: SIMPSON  
TOWNSHIP: 28S  
COUNTY: BUTLER  
RANGE: 3975

TICKET #18869  
LEASE: MCCLAREN  
GEOLOGIST: ?  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 2998 FT TO: 3013 FT TOTAL DEPTH: 3013 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 2993 FT SIZE: 6 3/4 IN PACKER DEPTH: 2998 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE  
MUD TYPE: CHEMICAL  
WEIGHT: 10.1  
CHLORIDES (P.P.M.): 1600  
JARS - MAKE:  
DID WELL FLOW? NO  
DRILL COLLAR LENGTH: 150 FT I.D.: 2 1/4 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 2838 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN  
ANCHOR LENGTH: 15 FT SIZE: 5 1/2 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 XH IN

VISCOSITY: 48  
WATER LOSS (CC): 12.8  
SERIAL NUMBER:  
REVERSED OUT? NO

BLOW: FAIR BLOW THROUGHOUT TEST.

|                |    |               |                     |
|----------------|----|---------------|---------------------|
| RECOVERED: 280 | FT | OF: SALTWATER | CHLORIDES 46000 PPM |
| RECOVERED:     | FT | OF:           |                     |
| RECOVERED:     | FT | OF:           |                     |
| RECOVERED:     | FT | OF:           |                     |
| RECOVERED:     | FT | OF:           |                     |
| RECOVERED:     | FT | OF:           |                     |
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| RECOVERED:     | FT | OF:           |                     |
| RECOVERED:     | FT | OF:           |                     |

REMARKS:

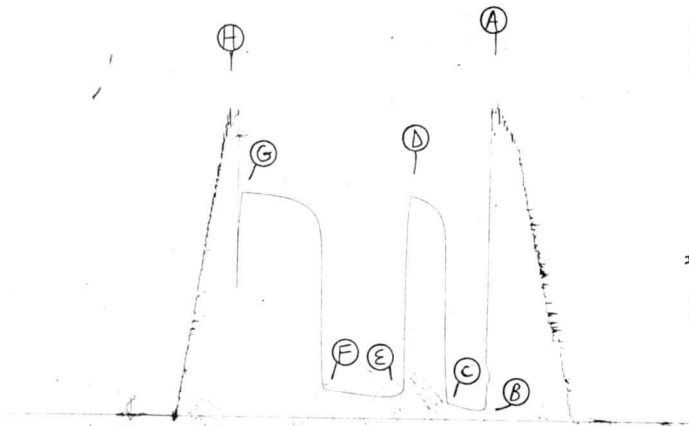
|                                  |                                  |
|----------------------------------|----------------------------------|
| TIME SET PACKER(S): 1:00 PM      | TIME STARTED OFF BOTTOM: 4:00 PM |
| WELL TEMPERATURE: 112 °F         |                                  |
| INITIAL HYDROSTATIC PRESSURE:    | (A) 1597 PSI                     |
| INITIAL FLOW PERIOD MIN: 30      | (B) 50 PSI TO (C) 86 PSI         |
| INITIAL CLOSED IN PERIOD MIN: 27 | (D) 1153 PSI                     |
| FINAL FLOW PERIOD MIN: 60        | (E) 115 PSI TO (F) 145 PSI       |
| FINAL CLOSED IN PERIOD MIN: 63   | (G) 1164 PSI                     |
| FINAL HYDROSTATIC PRESSURE       | (H) 1557 PSI                     |



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