

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

14-24-15 W  
SE SE NE

Computer Inventoried

DATE: 3/29/85  
CUSTOMER: SANTA FE PIPE & SUPPLY INC.  
WELL: 3 TEST: 1  
ELEVATION (KB): 2020  
SECTION: 14  
RANGE: 15W  
GAUGE SN #10980

TICKET #6024  
LEASE: ISERN  
GEOLOGIST: WITHERS ?  
FORMATION: SIMPSON  
TOWNSHIP: 24S  
COUNTY: STAFFORD  
STATE: KANSAS  
RANGE: 4200  
CLOCK: 12

INTERVAL TEST FROM: 4260 FT TO: 4305 FT TOTAL DEPTH: 4305 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 4255 FT SIZE: 6 5/8 IN PACKER DEPTH: 4260 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WOODMAN & IANNITTI  
MUD TYPE: STARCH VISCOSITY: 49  
WEIGHT: 9.6 WATER LOSS (CC): 8.0  
CHLORIDES (P.P.M.): 39000  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? NO REVERSED OUT?

DRILL COLLAR LENGTH: 62 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: 886 FT I.D.: 2.7 IN  
DRILL PIPE LENGTH: 3291 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN  
ANCHOR LENGTH: 45 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 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW. 1/2" IN BUCKET  
GRADUALLY BUILDING TO 4" IN BUCKET. FINAL  
FLOW PERIOD VERY WEAK BLOW. 1/4" IN BUCKET  
GRADUALLY BUILDING TO 1 1/2" IN BUCKET.

|                |    |                                            |
|----------------|----|--------------------------------------------|
| RECOVERED: 60  | FT | OF: GAS ABOVE FLUID.                       |
| RECOVERED: 240 | FT | OF: SLIGHTLY OIL & WATER CUT MUD.          |
| RECOVERED:     | FT | OF: (8% OIL; 30% GAS; 3% WATER; 59% MUD).  |
| RECOVERED: 120 | FT | OF: SLIGHTLY OIL CUT MUDDY WATER.          |
| RECOVERED:     | FT | OF: (3% OIL; 15% GAS; 65% WATER; 17% MUD). |
| RECOVERED:     | FT | OF: CHLORIDES 39000 PPM.                   |
| RECOVERED:     | FT | OF:                                        |
| RECOVERED:     | FT | OF:                                        |
| RECOVERED:     | FT | OF:                                        |

REMARKS:

RECEIVED  
STATE CORPORATION COMMISSION

MAY 07 1985

CONSERVATION DIVISION  
Wichita, Kansas

TIME SET PACKER(S): 11:57 AM  
WELL TEMPERATURE: 119 °F  
INITIAL HYDROSTATIC PRESSURE:  
INITIAL FLOW PERIOD MIN: 35  
INITIAL CLOSED IN PERIOD MIN: 30  
FINAL FLOW PERIOD MIN: 60  
FINAL CLOSED IN PERIOD MIN: 48  
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 2:42 PM

|          |                    |
|----------|--------------------|
| (A) 2283 | PSI                |
| (B) 62   | PSI TO (C) 94 PSI  |
| (D) 549  | PSI                |
| (E) 127  | PSI TO (F) 180 PSI |
| (G) 566  | PSI                |
| (H) 2273 | PSI                |



WESTERN TESTING CO. INC.  
PRESSURE DATA

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14-24-15W  
*SM*

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RANGE: 4200

TICKET #6024  
LEASE: ISERN  
GEOLOGIST: WITHERS ?  
SIMPSON  
STATE: KANSAS  
CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2283 PSI  
(B) FIRST INITIAL FLOW PRESSURE: 62 PSI  
(C) FIRST FINAL FLOW PRESSURE: 94 PSI  
(D) INITIAL CLOSED-IN PRESSURE: 549 PSI  
(E) SECOND INITIAL FLOW PRESSURE: 127 PSI  
(F) SECOND FINAL FLOW PRESSURE: 180 PSI  
(G) FINAL CLOSED-IN PRESSURE: 566 PSI  
(H) FINAL HYDROSTATIC PRESSURE: 2273 PSI  
WELL TEMPERATURE: 119 °F  
OPEN TOOL: 11:57 AM

MAY 09 1985

State Geological Survey  
WICHITA BRANCH

|                             | TIME - GIVEN | TIME - ACTUAL |
|-----------------------------|--------------|---------------|
| FIRST FLOW PRESSURE:        | 30 MIN       | 35 MIN        |
| INITIAL CLOSED-IN PRESSURE: | 30 MIN       | 30 MIN        |
| SECOND FLOW PRESSURE:       | 60 MIN       | 60 MIN        |
| FINAL CLOSED-IN PRESSURE:   | 45 MIN       | 48 MIN        |

PRESSURE BREAKDOWN

| PT | FIRST FLOW |          | INITIAL SHUT-IN |          | SECOND FLOW |          | FINAL SHUT-IN |          |
|----|------------|----------|-----------------|----------|-------------|----------|---------------|----------|
|    | MIN        | PRESSURE | MIN             | PRESSURE | MIN         | PRESSURE | MIN           | PRESSURE |
| 1  | 0          | 62       | 0               | 94       | 0           | 127      | 0             | 180      |
| 2  | 5          | 62       | 3               | 328      | 5           | 127      | 3             | 363      |
| 3  | 10         | 70       | 6               | 417      | 10          | 131      | 6             | 429      |
| 4  | 15         | 75       | 9               | 466      | 15          | 135      | 9             | 461      |
| 5  | 20         | 82       | 12              | 486      | 20          | 140      | 12            | 485      |
| 6  | 25         | 87       | 15              | 504      | 25          | 145      | 15            | 498      |
| 7  | 30         | 91       | 18              | 518      | 30          | 150      | 18            | 511      |
| 8  | 35         | 94       | 21              | 529      | 35          | 155      | 21            | 519      |
| 9  |            |          | 24              | 540      | 40          | 160      | 24            | 528      |
| 10 |            |          | 27              | 546      | 45          | 165      | 27            | 534      |
| 11 |            |          | 30              | 549      | 50          | 170      | 30            | 540      |
| 12 |            |          |                 |          | 55          | 175      | 33            | 545      |
| 13 |            |          |                 |          | 60          | 180      | 36            | 550      |
| 14 |            |          |                 |          |             |          | 39            | 555      |
| 15 |            |          |                 |          |             |          | 42            | 559      |
| 16 |            |          |                 |          |             |          | 45            | 563      |
| 17 |            |          |                 |          |             |          | 48            | 566      |

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MAY 07 1985

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