

24-32-5E

Date 2-10-61 Well Hall #1 Field Wild Cat County Cowley State Kansas
Formation Test No. 1 Casing Test No. - Test Interval 3055' to 3063' Test Ticket No. 60841 L
Company Cities Service Petroleum Company Address Box 31; Augusta, Kansas
Tester Harvey Moore Test Approved By James R. Hutchinson No. of DST Reports Requested 5

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

Well Flowed: No Amount

Type Test Convnetional
Formation Tested Mississippi Elevation 1289 Ft.
All Depths Measured From Kelly Bushing

Reversed Out: No Amount

Recovered: Slightly oil and gas cut mud Amount 30'

Blow Weak, steady throughout test.

3005' of $3\frac{1}{2}$ " IF Drill
Pipe, 2.25" ID-----

Maximum Surface Pressure 0#

Description (rate of flow)

Time

Pressure
(P.S.I.G.)

Surface
Choke

Opened Tool:

Closed tool for initial shut-in

Re-opened tool

4:19 AM

4:24 AM

4:54 AM

-

-

-

5/8"

"

"

Cross-Over Sub-----

$3\frac{1}{2}$ " 4-Stage Shut-in Tool--

$3\frac{1}{2}$ " C Hydraulic Tool-----

6' Recorder Carrier-----

6 5/8" Bob Tail Packer
set at 3055'-----

4' of $3\frac{1}{2}$ " Perf. Anchor-----

4' Recorder Carrier-----

Total Depth 3063 Ft.

Main Hole Size 7 7/8" Rat Hole Size -

Casing Size - Liner Size -

Bottom Choke Size 3/4" Mud Type Chemical

Remarks: Well Location: 24-32-5

Cushion Type

Amount

Pressure

TIME DATA

Initial Shut-in — Hrs. 30 Mins.
 Flow Period 1 Hrs. — Mins.
 Final Shut-in 1 Hrs. — Mins.

Well Temperature 105 ° F.
 PRESSURE READING (P.S.I.G.)

Recorder No. T-417
 Capacity (P.S.I.G.) 3000
 Location 3037'

A Initial Hyd. Mud. 1517
 B Initial Shut-in *1110
 C Initial Flow 6
 D Final Flow 13
 E Final Shut-in *1065
 F Final Hyd. Mud. 1510
 REMARKS C-1 8

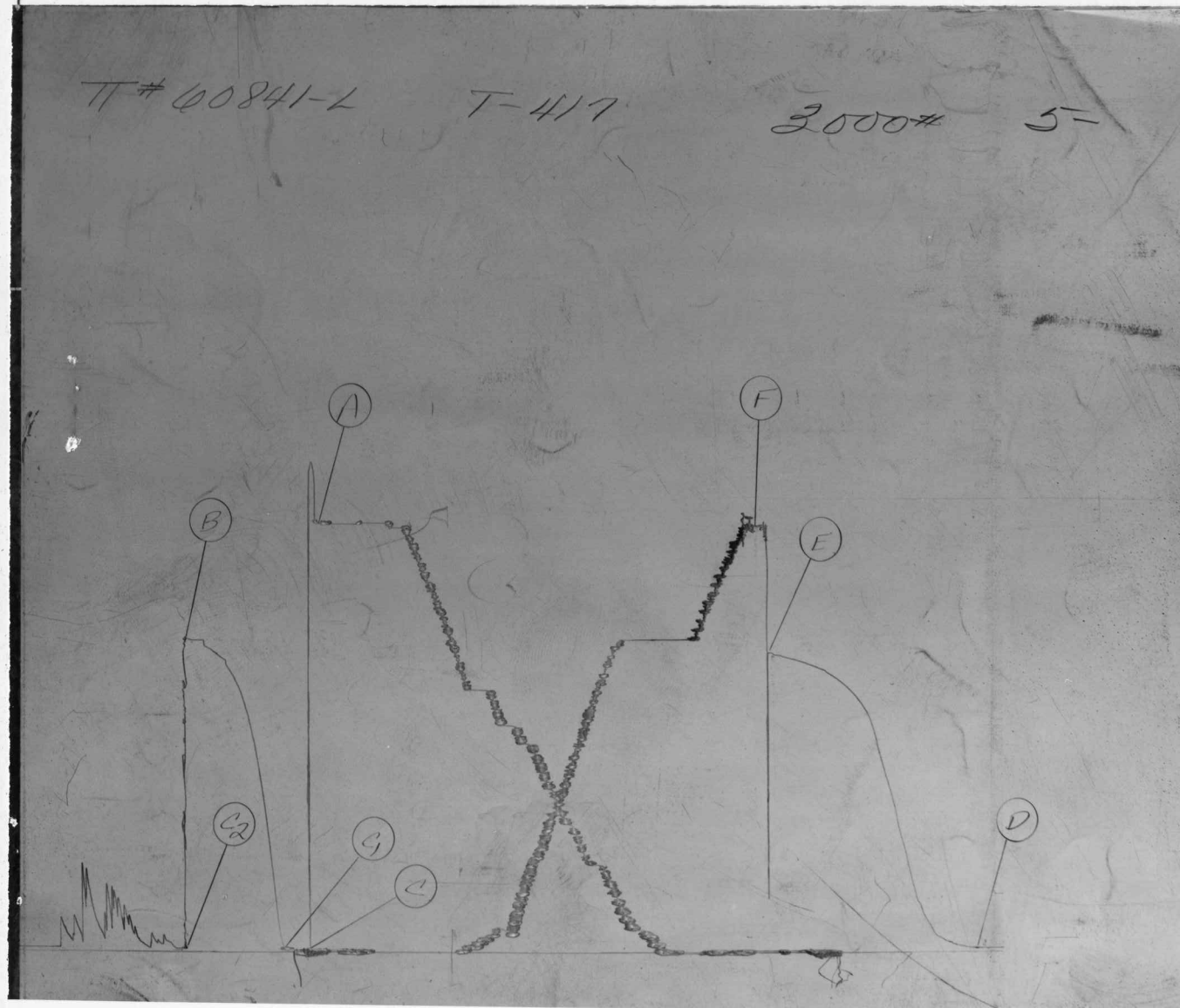
Recorder No. _____
 Capacity (P.S.I.G.) _____
 Location _____

A Initial Hyd. Mud. _____
 B Initial Shut-in _____
 C Initial Flow _____
 D Final Flow _____
 E Final Shut-in _____
 F Final Hyd. Mud. _____
 REMARKS _____

*Shut in pressure did not reach static reservoir pressure.

TIME

PRESSURE



Form J-130

All these methods are carried out by allowing only a minimum of formation fluid to be produced. This initial shut-in pressure is the best method yet devised for recording the original, undisturbed reservoir pressure of a formation.

F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
 Z — Special pressure points such as pumping pressure recorded for formation breakdown.

into the hole. Then the fluid cushion pressure is recorded as the drill pipe is filled with fluid. As more stands are run into the hole, the recorder registers the hydrostatic pressures of the cushion. When the main testing valve is opened the pressure of the cushion column or the flowing pressure of the formation, (which ever is greater), is recorded.