

Date 9-23-59 Well Yaeger #9 Field Yaeger County Riley State Kansas
Formation Test No. 1 Casing Test No. 1 Test Interval 1614' to 1628' Test Ticket No. 58156 L
Company Cities Service Oil Company Address Box 487, Madison, Kansas
Tester Guy M. Knipe Test Approved By Don C. Hennigan No. of DST Reports Requested 5
SURFACE INFORMATION
TOOL, HOLE & MUD DATA

Well Flowed: No Amount

Reversed Out: No Amount

Recovered: Amount
Free oil 175'
Heavily oil cut mud 15'
Oil cut mud 56'

Blow Good blow throughout test.

Maximum Surface Pressure -- Time Pressure Surface
Description (rate of flow) (P.S.I.G.) Choke

Opened Tool: 11:15 PM
Opened tool to surface 11:45 PM

Remarks: Slid tool to bottom, missing initial bottom hole pressure.

Type Test Conventional Elevation 1316 Ft.

Formation Tested Huntton All Depths Measured From Kelly Bushing
1421' of 3 1/2" I.F. Drill
Pipe, 2.7" I.D.-----

86' of 4 1/2" I.F. Drill
Collar, 2.5" I.D.-----

Cross over sub-----
Disc Valve-----
5' of 4 1/2" F.H. Air
Chamber, 3.8" I.D.-----

Cross over sub-----
Double Pin Sub-----
3 3/4" Shut-in hydraulic
tool-----

Cross over sub-----
6-1/2" Conv. Packer
Set at 1614'-----
4' of 3 1/2" F.H. Perforated
Anchor-----

6' Recorder Carrier-----
4' Recorder Carrier-----

Total Depth 1628 Ft.

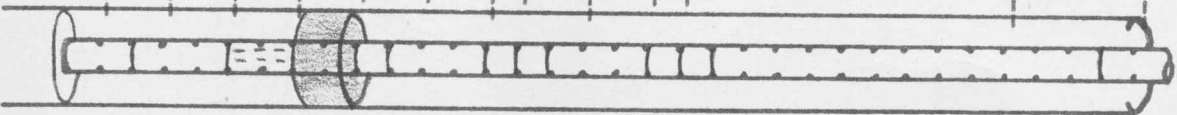
Main Hole Size 7-7/8" Rat Hole Size --

Casing Size -- Liner Size --

Bottom Choke Size 5/8" Mud Type Gel.

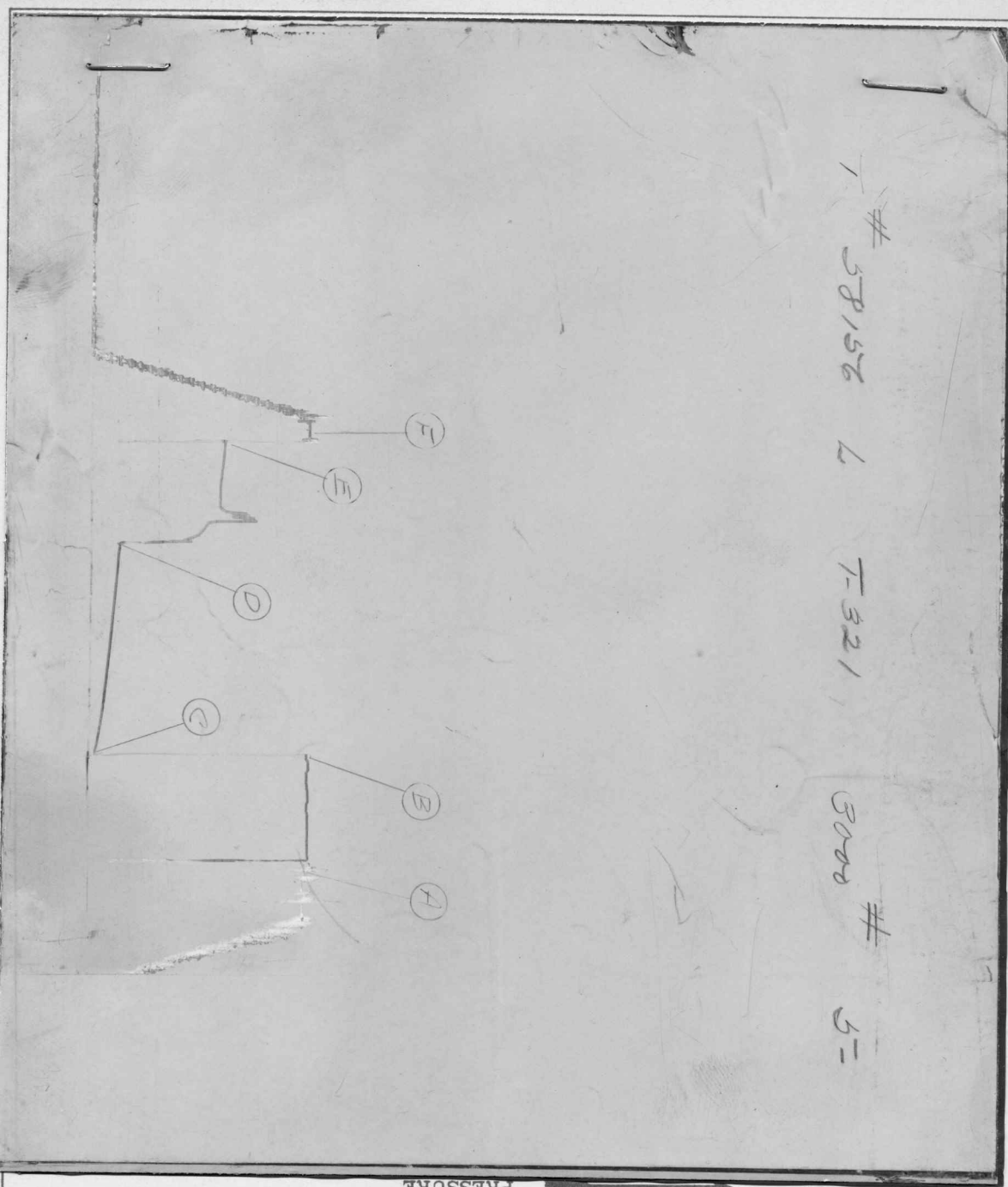
Mud Weight 9.7 Mud Viscosity 37

Air Chamber Length 4 Ft. 3.8"



TIME

58156 L T-321 3000 # 5-



TIME DATA

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

Well Temperature	88	° F.
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PRESSURE READING (P.S.I.G.)

Recorder No.	T-321
Capacity (P.S.I.G.)	3000
Location	1620'

A Initial Hyd. Mud.	817
B Initial Shut-in	812 Undet.
C Initial Flow	24
D Final Flow	112
E Final Shut-in	* 500
F Final Hyd. Mud	811

REMARKS

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.

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.

Date 9-23-59 Well Yaeger #9 Field Yaeger County Riley State Kansas

Formation Test No. 2 Casing Test No. - Test Interval 1633' to 1658' Test Ticket No. 58157 L

Company Cities Service Oil Company Address Box 487; Madison, Kansas No. of DST Reports Requested 5

Tester Guy M. Knipe Test Approved By Don C. Hennigan TOOL, HOLE & MUD DATA

Well Flowed: No Amount Type Test Conventional

Formation Tested Hutton Elevation 1316 Ft.

All Depths Measured From Kelly Bushing

Reversed Out: No Amount 1428' of $3\frac{1}{2}$ " I.F. Drill Pipe, 2.7" I.D.-----

86' of $4\frac{1}{2}$ " Drill Collar, 2.5" I.D.-----

Recovered: Free oil Amount 10'

Rainbowed drilling mud 91'

Cross over sub-----

Disc Valve-----

Cross over sub-----

15' of $3\frac{1}{2}$ " I.F. Air Chamber, 2.7" I.D.-----

Cross over sub-----

Cross over sub-----

Cross over sub-----

Blow Fair blow, decreasing to a weak blow, then decreasing to a very weak blow.

Maximum Surface Pressure

Description (rate of flow) Time Pressure (P.S.I.G.) Surface Choke

Opened Tool: Opened tool to surface 9:48 PM 10:18 PM

3\frac{1}{2}" Shut-in hydraulic tool

Cross over sub

6\frac{1}{2}" Conv. Packer Set at 1633'

15' of $3\frac{1}{2}$ " F.H. Perforated Anchor

6' Recorder Carrier

4' Recorder Carrier

Total Depth 1658 Ft.

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

Casing Size 5/8" Liner Size

Bottom Choke Size 9.7 Mud Type Gel.

Mud Weight 15 Mud Viscosity 32

Remarks: Slid tool to bottom, missing initial bottom hole pressure.

TIME

TIME DATA

Initial Shut-in _____ Hrs. 30 Mins.
 Flow Period _____ Hrs. _____ Mins.
 Final Shut-in _____ Hrs. 30 Mins.

Well Temperature 85 ° F.

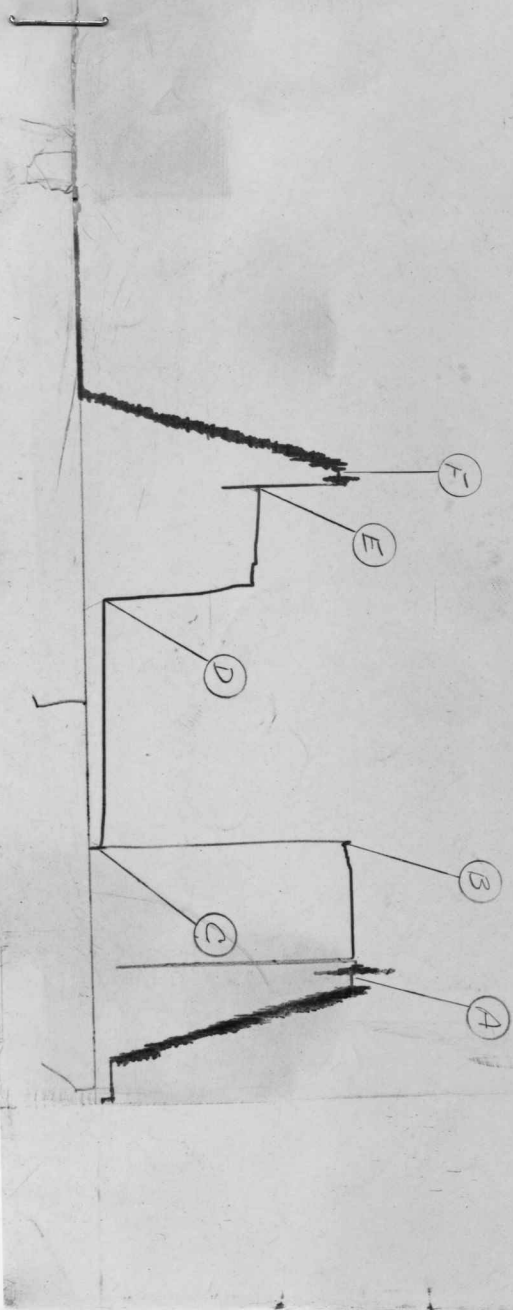
PRESSURE READING (P.S.I.G.)

Recorder No. T-321
 Capacity (P.S.I.G.) 3000
 Location 1650'

A Initial Hyd. Mud. 831
 B Initial Shut-in 817 Undet.
 C Initial Flow 39
 D Final Flow 69
 E Final Shut-in * 570
 F Final Hyd. Mud 823

REMARKS

PRESSURE



Form J-130

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

* Shut in pressure did not reach static reservoir pressure.

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.

Date 9-25-59 Well Yaeger #9 Field Yaeger County Riley State Kansas
Formation Test No. 3 Casing Test No. - Test Interval 1658' to 1686' Test Ticket No. 58158 L
Company Cities Service Oil Company Address Box 487; Madison, Kansas
Tester Guy M. Knipe Test Approved By R. R. Valetine Jr. No. of DST Reports Requested 5
SURFACE INFORMATION TOOL, HOLE & MUD DATA

Well Flowed: No Amount _____ Type Test Conventional
Formation Tested Hunt on Elevator 316 Ft.

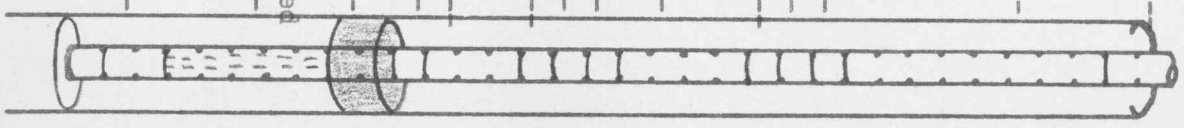
Reversed Out: No Amount _____ All Depths Measured From Kelly Bushing
1453' of 3 1/2" I.F. Drill
Pipe, 2.7" I.D.

Recovered: Oil specked drilling mud Amount 21'
86' of 3 1/2" I.F. Drill
Collar, 2.5" I.D.

Blow Weak blow for 38 minutes and died.
Cross over sub-----
Disc Valve-----
Cross over sub-----
15' of 3 1/2" I.F. Drill
Pipe, 2.7" I.D.

Maximum Surface Pressure -
Description (rate of flow) _____
Cross over sub-----
Cross over sub-----
Cross over sub-----
3 1/2" Shut-in hydraulic
tool-----
Cross over sub-----
6 1/2" Conv. Packer
Set at 1658'

Opened Tool: 6:52 AM
Opened tool to surface 7:22 AM
18' of 3 1/2" F.H. Perforated
Anchor-----
6' Recorder Carrier-----
4' Recorder Carrier-----



Remarks: _____
Total Depth 1686 Ft.
Main Hole Size 7-7/8" Rat Hole Size -
Casing Size - Liner Size 5/8" Gel. _____
Bottom Choke Size 9.3 Mud Type 38
Mud Weight 16 Mud Viscosity 2.7"

TIME

TIME DATA

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

Well Temperature 86 ° F.

PRESSURE READING (P.S.I.G.)

Recorder No. T-321
Capacity (P.S.I.G.) 3000
Location 1618'

A Initial Hyd. Mud. 813
B Initial Shut-in 672
C Initial Flow 36
D Final Flow 74
E Final Shut-in *566
F Final Hyd. Mud 809

REMARKS

PRESSURE

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

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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.