

JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

Well Flowed	Amount
NO	

Reversed Out	Amount
NO	

Recovered	Amount
GAS	540'
SLIGHTLY OIL CUT WATERY MUD	32'
WATER	120'
TOTAL RECOVERY IN BBLs.	2.16

Blow FAIR, INCREASING TO GOOD BLOW.

[illegible]

Remarks:

Type Test	CONVENTIONAL
Formation Tested	KANSAS CITY
Elevation	1594 Ft.
All Depths Measured From	KELLY BUSHING

TOOL SEQUENCE

[illegible]

Total Depth	3730	Ft.
Main Hole Size	7 7/8"	Rat Hole Size -
Casing Size	-	Liner Size -
Bottom Choke Size	3/4"	Mud Type STARCH
Mud. Wt.	9.7	Mud Viscosity 42
Air Chamber Length	-	Ft. - I.D.

Cushion Type	Amount	Pressure
-	-	-

TIME DATA

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

Company CITIES SERVICE PET. CO.; BOX 308; GREAT BEND, KANSAS Date 11-6-62
Well HUEY #1 Field WILD CAT Location 13-28-8
Test Interval 3717' TO 3730' Formation Test # 1 Casing Test # -
County KINGMAN State KANSAS Field Report No. 65140 L
Tester M.D.GLOVER Test Approved By MR.S.L.WILLABY No. DST Reports Requested 5

Pressure Breakdown Data

Clock No. 1424 Clock travel 0.02092 inches per min. Well Temperature 121 °F.

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1972			
B Initial Shut-in	1578	Opened Tool	1217	
C Initial Flow	13	Initial Shut-in	30 Mins.	29 Mins.
D Final Flow	82	Flow	62 Mins.	62 Mins.
E Final Shut-in	1569	Final Shut-in	30 Mins.	31 Mins.
F Final Hydrostatic Mud	1937			

c-1	13
c-2	21

Remarks:

[illegible]

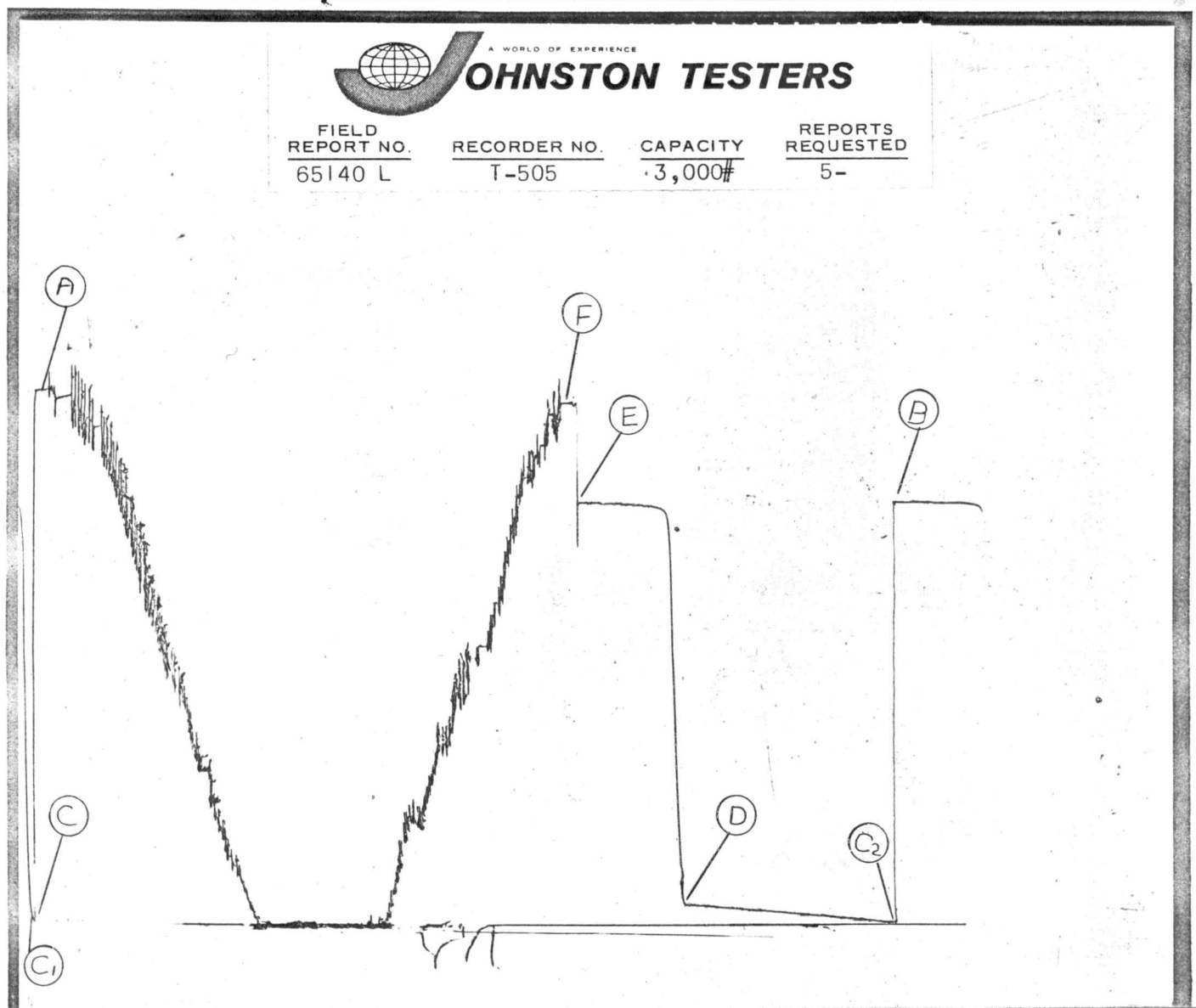
JOHNSTON TESTERS, INC.

Pressure Data

Field Report No. 65140 L

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3,000				
Recorder Depth	3,720'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	121				
A Initial Hydrostatic Mud	1972				
B Initial Shut-in	1578				
C Initial Flow	13				
D Final Flow	82				
E Final Shut-in	1569				
F Final Hydrostatic Mud	1937				
Remarks:	c-1	13			
	c-2	21			

*Shut in pressure did not reach static reservoir pressure.





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JOHNSTON TESTERS

Pressure
Log*

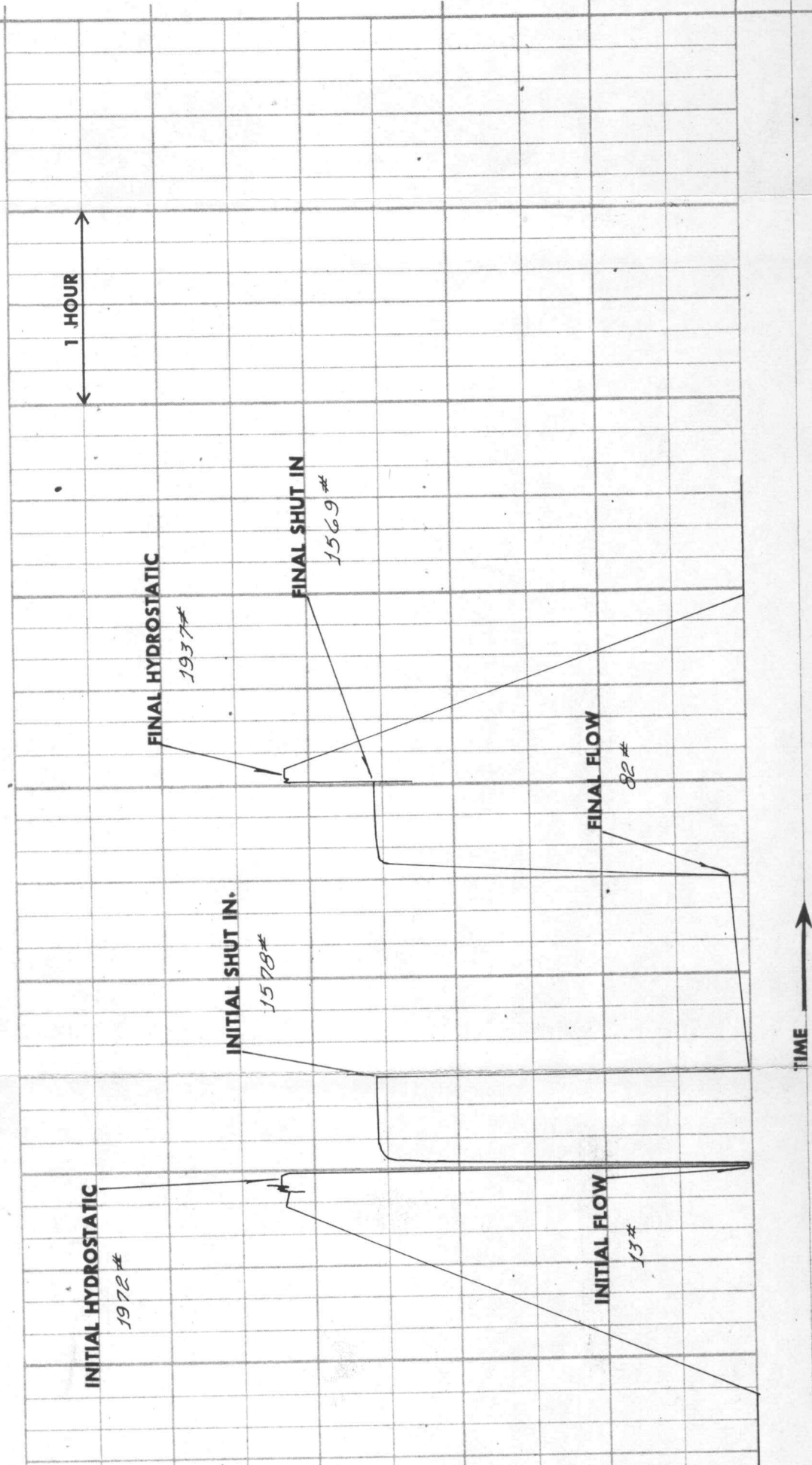
Field Report No. 65140L

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 3720 ft.

* a continuous tracing of the original chart



JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

Well Flowed	Amount
GAS	396 MCF/DAY

Reversed Out	Amount
NO	

Recovered	Amount
MUD	60' (0.9 BBLs.)

Blow STRONG THROUGHOUT TEST.

Maximum Surface Pressure			
Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool	1637	INCHES WATER	
CLOSED FOR INITIAL SHUT-IN	1638		
RE-OPENED TOOL	1708		
GAS (240 MCF/DAY)	1710	3	3/4"
GAS (340 MCF/DAY)	1720	6	"
GAS (362 MCF/DAY)	1730	6.8	"
GAS (396 MCF/DAY)	1740	8.2	"
GAS (340 MCF/DAY)	1750	6	"
GAS (295 MCF/DAY)	1800	4.5	"
GAS (280 MCF/DAY)	1805	4.1	"

Remarks: GAS TO SURFACE IN 3 MINUTES.

Type Test	CONVENTIONAL
Formation Tested	MISS
Elevation	1594 Ft.
All Depths Measured From	KELLY BUSHING

[illegible]

Total Depth 4029 Ft. _____
Main Hole Size 7 7/8" Rat Hole Size -
Casing Size H Liner Size -
Bottom Choke Size 3/4" Mud Type STARCH
Mud. Wt. 9.9 Mud Viscosity 46
Air Chamber Length - Ft. - I.D. _____

Cushion Type	Amount	Pressure
-	-	-

TIME DATA			
Initial Shut-in	-	Hrs. 30	Mins.
Flow Period		Hrs.	Mins.
Final Shut-in	-	Hrs. 30	Mins.

Company CITIES SERVICE PET. CO.; BOX 308; GREAT BEND, KANSAS Date 11-9-62
Well HUEY #1 Field WILD CAT Location 13-28-8
Test Interval 4011' TO 4029' Formation Test # 2 Casing Test # -
County KINGMAN State KANSAS Field Report No. 65141 L
Tester M. D. GLOVER Test Approved By MR. S. L. WILLABY No. DST Reports Requested 5

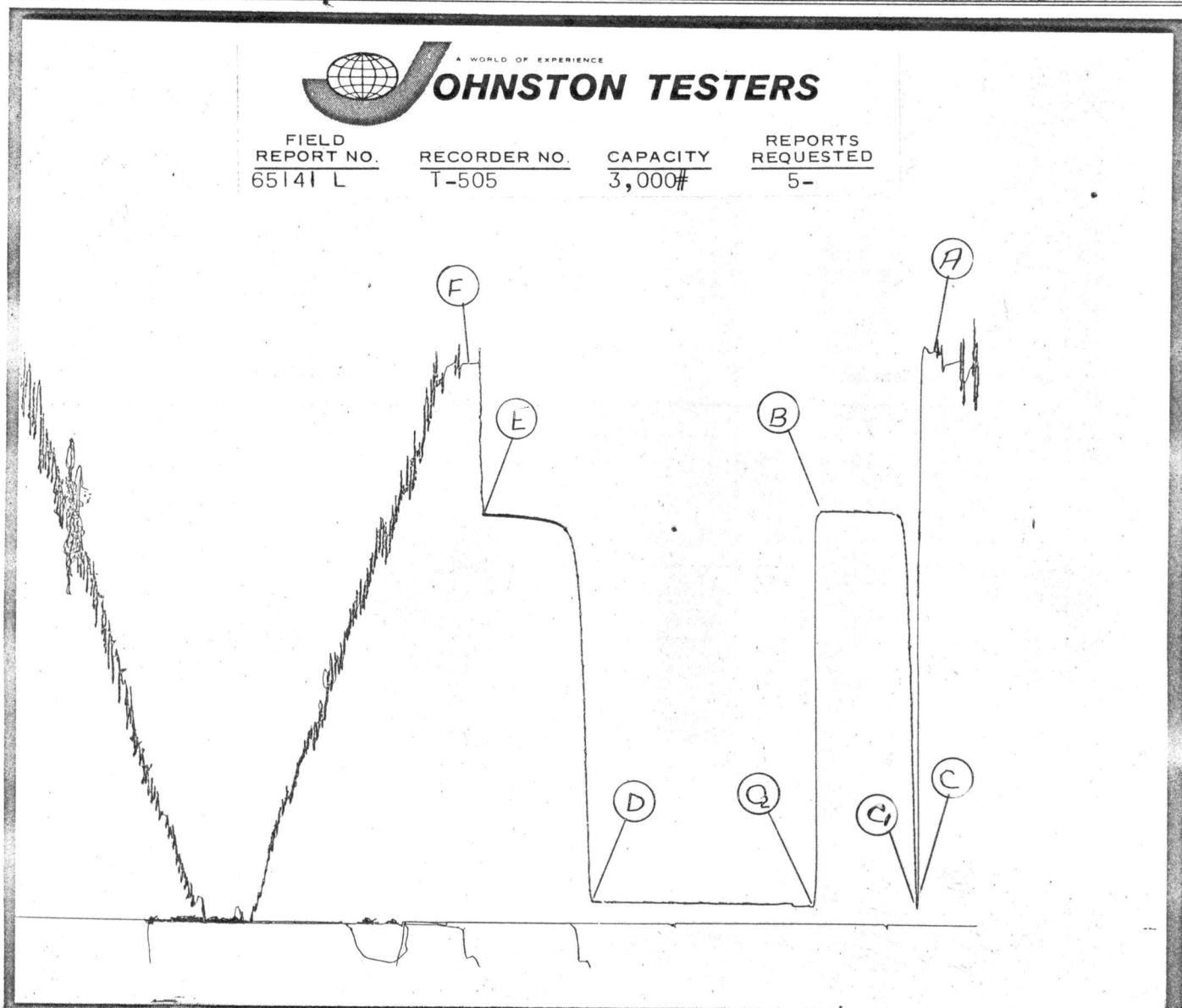
JOHNSTON TESTERS, INC.

Pressure Data

Field Report No. 65141 L

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3,000				
Recorder Depth	4,019'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	115				
A Initial Hydrostatic Mud	2137				
B Initial Shut-in	1538				
C Initial Flow	60				
D Final Flow	75				
E Final Shut-in	1508				
F Final Hydrostatic Mud	2075				
Remarks:	c-1 60				
	c-2 66				

*Shut in pressure did not reach static reservoir pressure.





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JOHNSTON TESTERS

Pressure
Log*

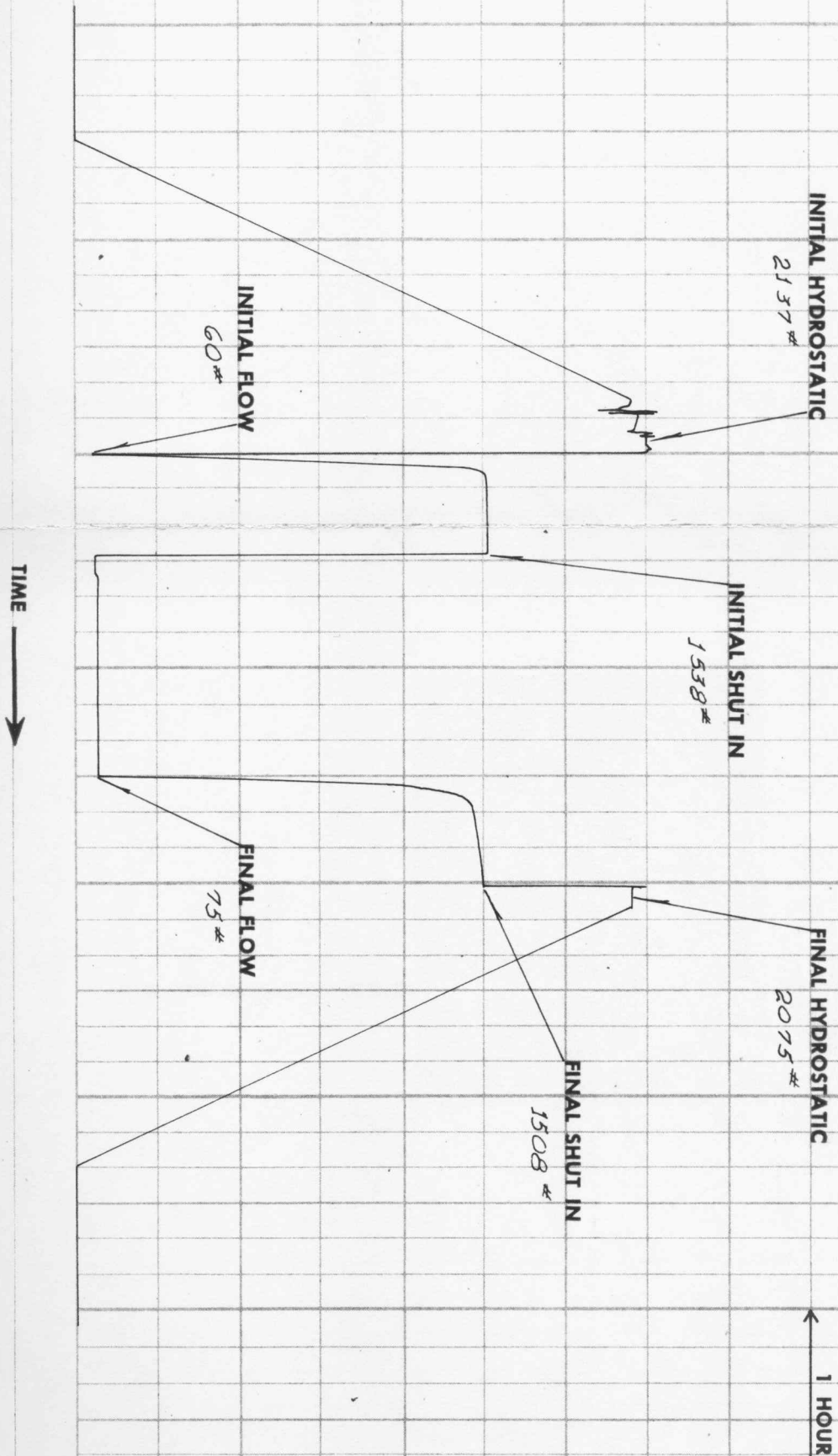
Field Report No. 65141L

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 4019 ft.

*a continuous tracing of the original chart



JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

[illegible][illegible]

Company CITIES SERVICE PETROLEUM COMPANY; BOX 308; GREAT BEND, KANSAS Date 11-10-62
Well HUEY #1 Field WILD CAT Location 13-28-8
Test Interval 4029' TO 4044' Formation Test # 3 Casing Test # -
County KINGMAN State KANSAS Field Report No. 65142 L
Tester MR. D. GLOVER Test Approved By MR. S. L. WILLABY No. DST Reports Requested 5

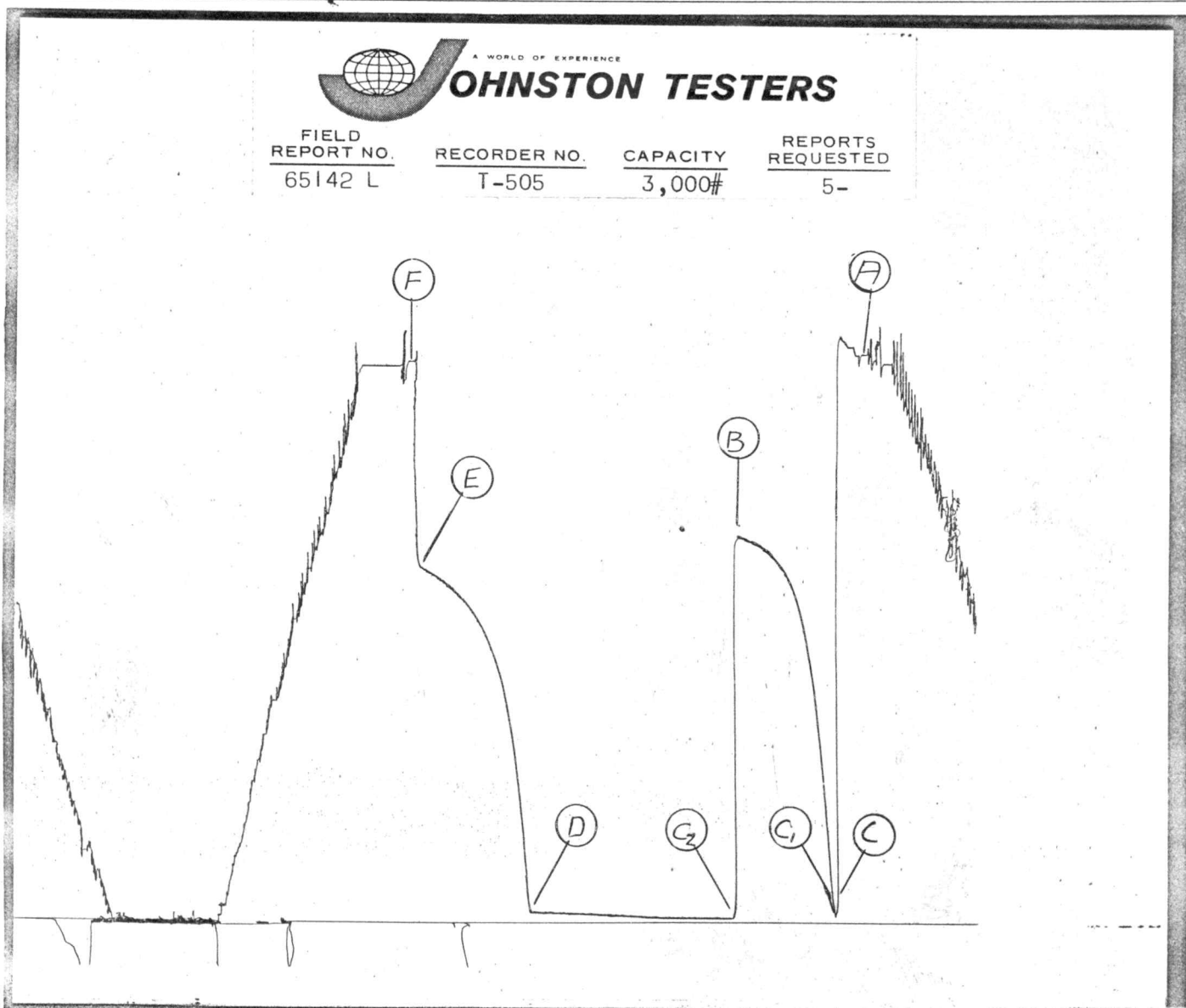
JOHNSTON TESTERS

Pressure Data

Field Report No. 65142

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3000				
Recorder Depth	4034'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	119				
A Initial Hydrostatic Mud	2107				
B Initial Shut-in	*1425				
C Initial Flow	104				
D Final Flow	28				
E Final Shut-in	*1302				
F Final Hydrostatic Mud	2069				
Remarks:	C-1 17				
	C-2 11				

*Shut in pressure did not reach static reservoir pressure.





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JOHNSTON TESTERS

Pressure
Log*

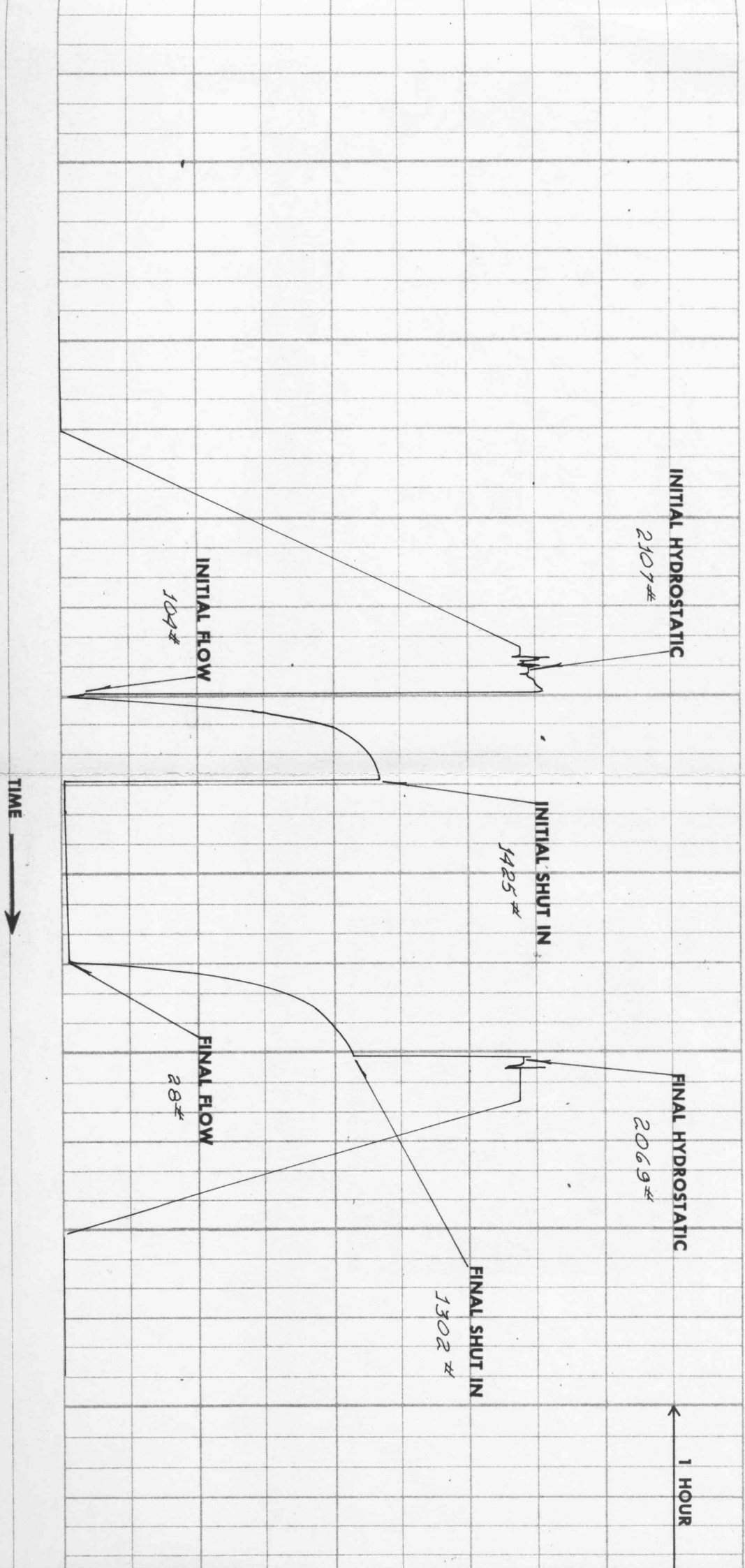
Field Report No. 651426

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 4034 ft.

- *a continuous tracing of the original chart



JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

[illegible][illegible]

Company CITIES SERVICE PETROLEUM COMPANY; BOX 308; GREAT BEND, KANSAS Date 11-10-62
Well HUEY #1 Field WILD CAT Location 13-28-8
Test Interval 4044' TO 4059' Formation Test # 4 Casing Test # -
County KINGMAN State KANSAS Field Report No. 65143 L
Tester M. D. GLOVER Test Approved By MR. G. L. WILLABY No. DST Reports Requested 5

Pressure Breakdown Data

[illegible]

JOHNSTON TESTERS

Pressure Data

Field Report No. 65143 L

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3000				
Recorder Depth	4049'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	125				
A Initial Hydrostatic Mud	2214				
B Initial Shut-in	1539				
C Initial Flow	129				
D Final Flow	97				
E Final Shut-in	*1497				
F Final Hydrostatic Mud	2115				
Remarks:	C-1	59			
	C-2	80			

*Shut in pressure did not reach static reservoir pressure.



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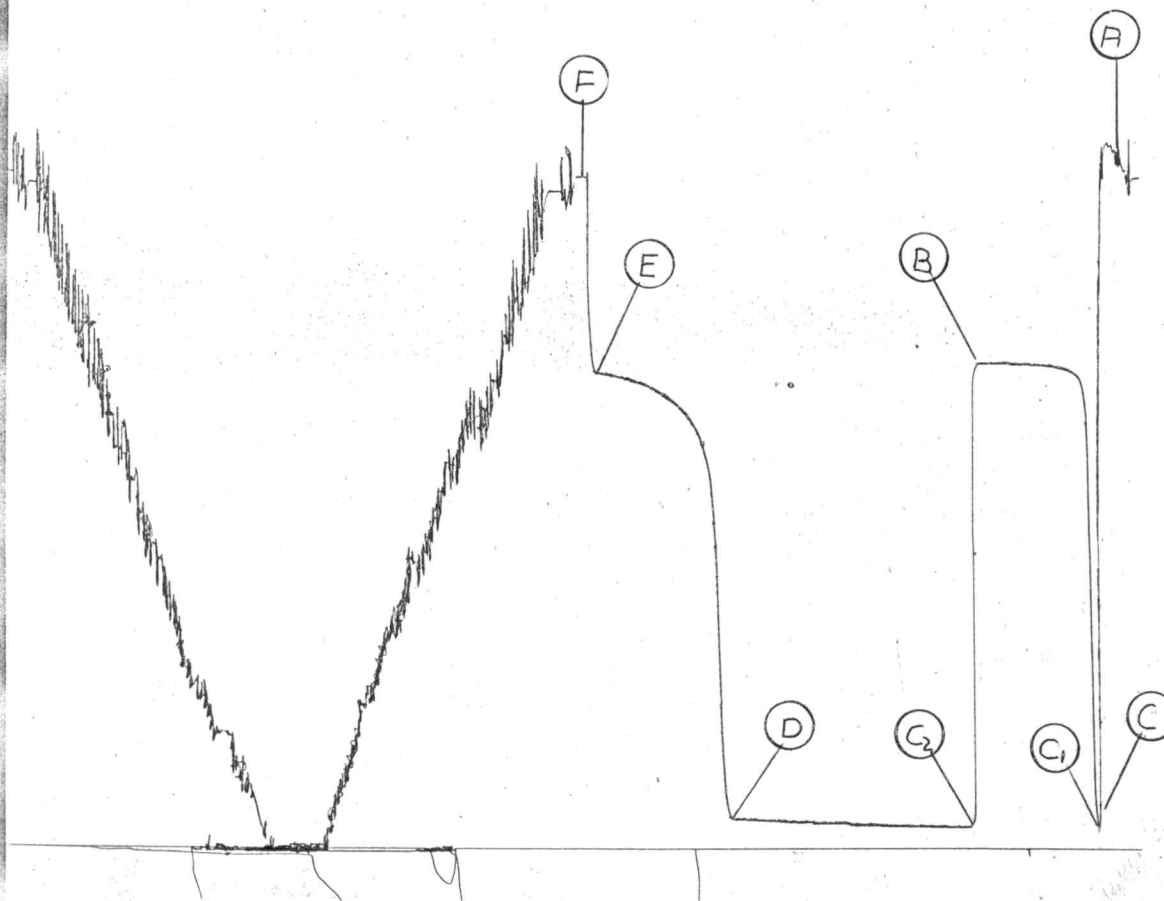
JOHNSTON TESTERS

FIELD
REPORT NO.
65143 L

RECORDER NO.
T-505

CAPACITY
3,000#

REPORTS
REQUESTED
5-





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JOHNSTON TESTERS

Pressure
Log*

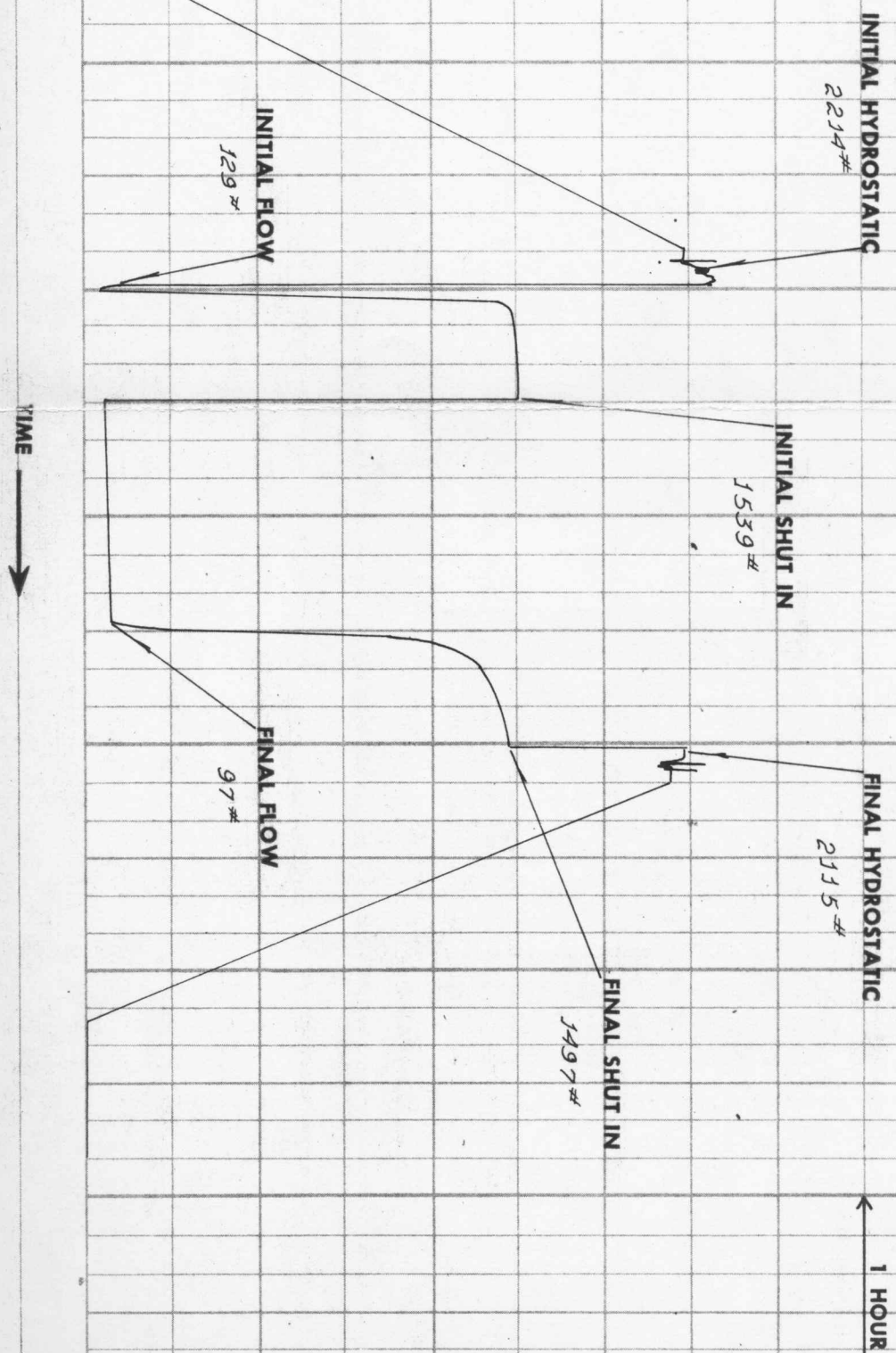
Field Report No. 65143L

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 4049 ft.

*a continuous tracing of the original chart



1 HOUR

JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

[illegible][illegible]

Company	CITIES SERVICE RET. CO.; BOX 308; GREAT BEND, KANSAS			Date	11-11-62
Well	HUEY #1	Field	WILD CAT	Location	13-28-8
Test Interval	4059' TO 4075'	Formation Test #	5	Casing Test #	-
County	KINGMAN	State	KANSAS	Field Report No.	65144 L
Tester	M. D. GLOVER	Test Approved By	MR. D. S. AUSTIN	No. DST Reports Requested	5

Pressure Breakdown Data

Clock No. 1424 Clock travel 0.02085 inches per min. Well Temperature 124 °F.

c-1	72
c-2	21

Remarks:

[illegible]

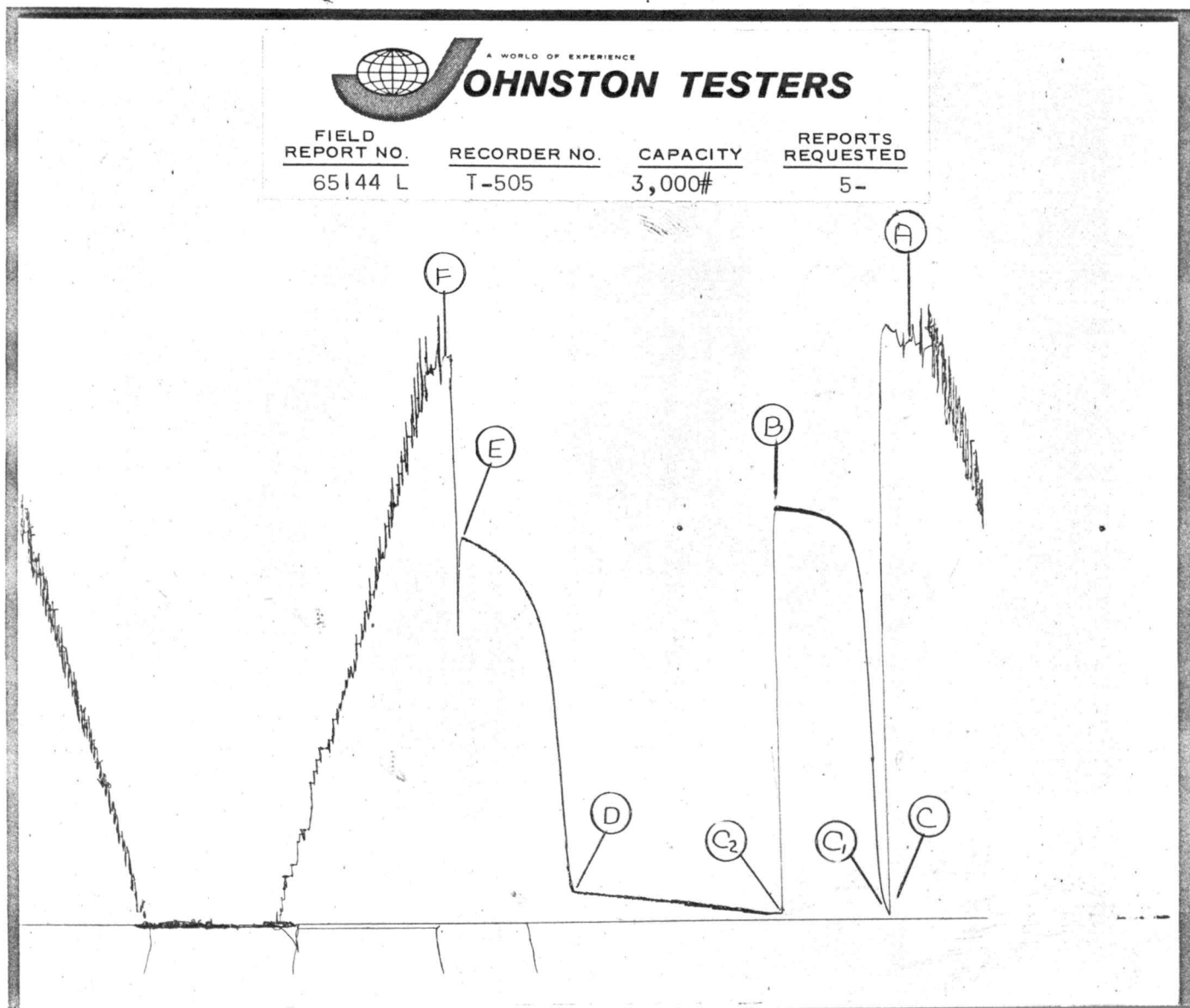
JOHNSTON TESTERS, INC.

Pressure Data

Field Report No. 65144 L

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3,000				
Recorder Depth	4,065'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	124				
A Initial Hydrostatic Mud	2129				
B Initial Shut-in	* 1512				
C Initial Flow	13				
D Final Flow	105				
E Final Shut-in	* 1406				
F Final Hydrostatic Mud	2077				
Remarks:	c-1 72				
	c-2 21				

*Shut in pressure did not reach static reservoir pressure.





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JOHNSTON TESTERS

Pressure
Log*

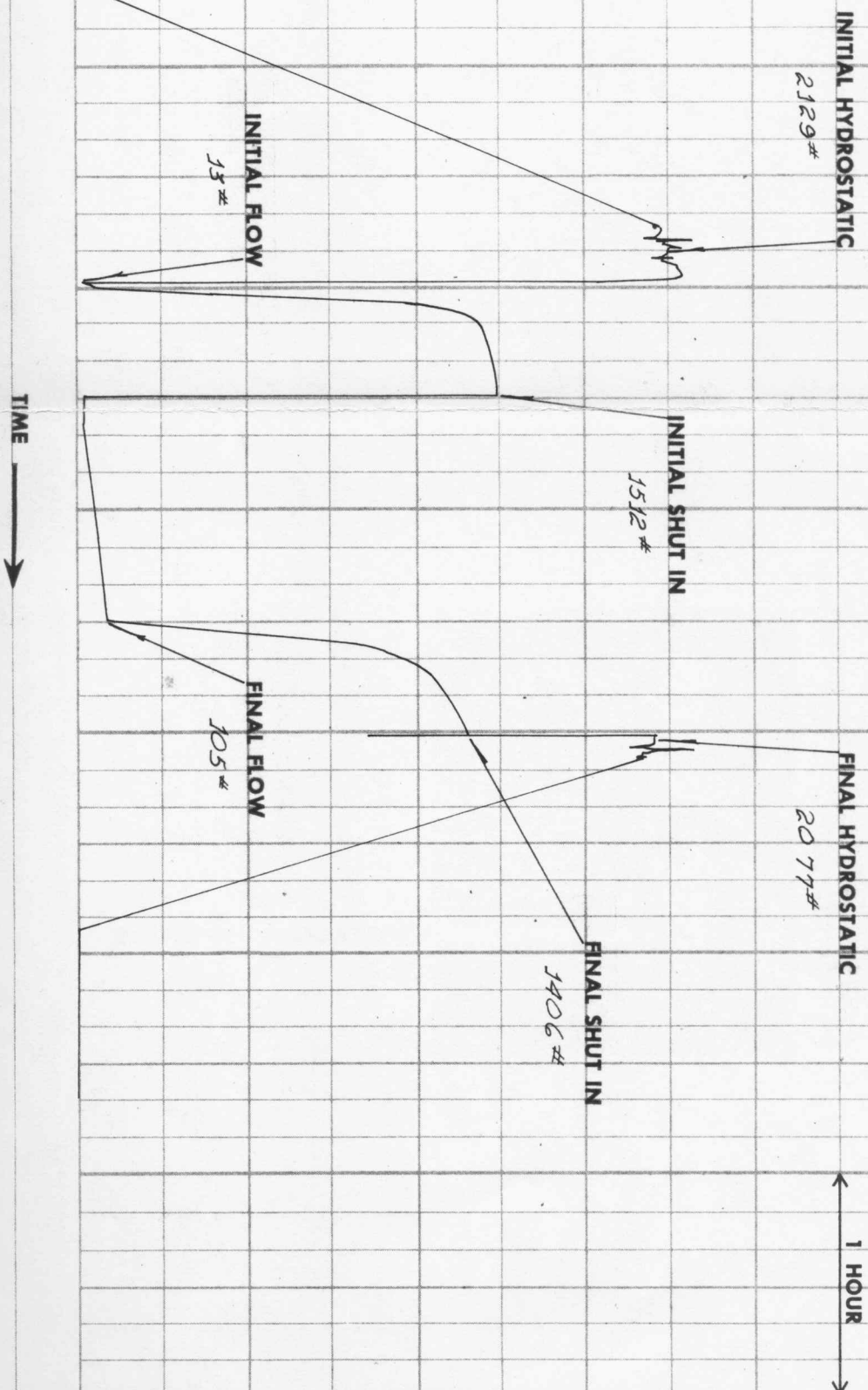
Field Report No. 65144L

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 4065 ft.

* a continuous tracing of the original chart



JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

[illegible][illegible]

Company CITIES SERVICE PET. CO.; BOX 308; GREAT BEND, KANSAS Date 11-15-62
Well HUEY #1 Field WILD CAT Location 13-28-8
Test Interval 4379' TO 4384' Formation Test # 6 Casing Test # -
County KINGMAN State KANSAS Field Report No. 65148 L
Tester M. D. GLOVER Test Approved By MR. D. S. AUSTIN No. DST Reports Requested 5

JOHNSTON TESTERS, INC.

Pressure Data

Field Report No. 65148 L

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3,000				
Recorder Depth	4,373'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	116				
A Initial Hydrostatic Mud	2318				
B Initial Shut-in	* 1038				
C Initial Flow	11				
D Final Flow	11				
E Final Shut-in	* 23				
F Final Hydrostatic Mud	2261				
Remarks:	c-1 19				
	c-2 11				

*Shut in pressure did not reach static reservoir pressure.



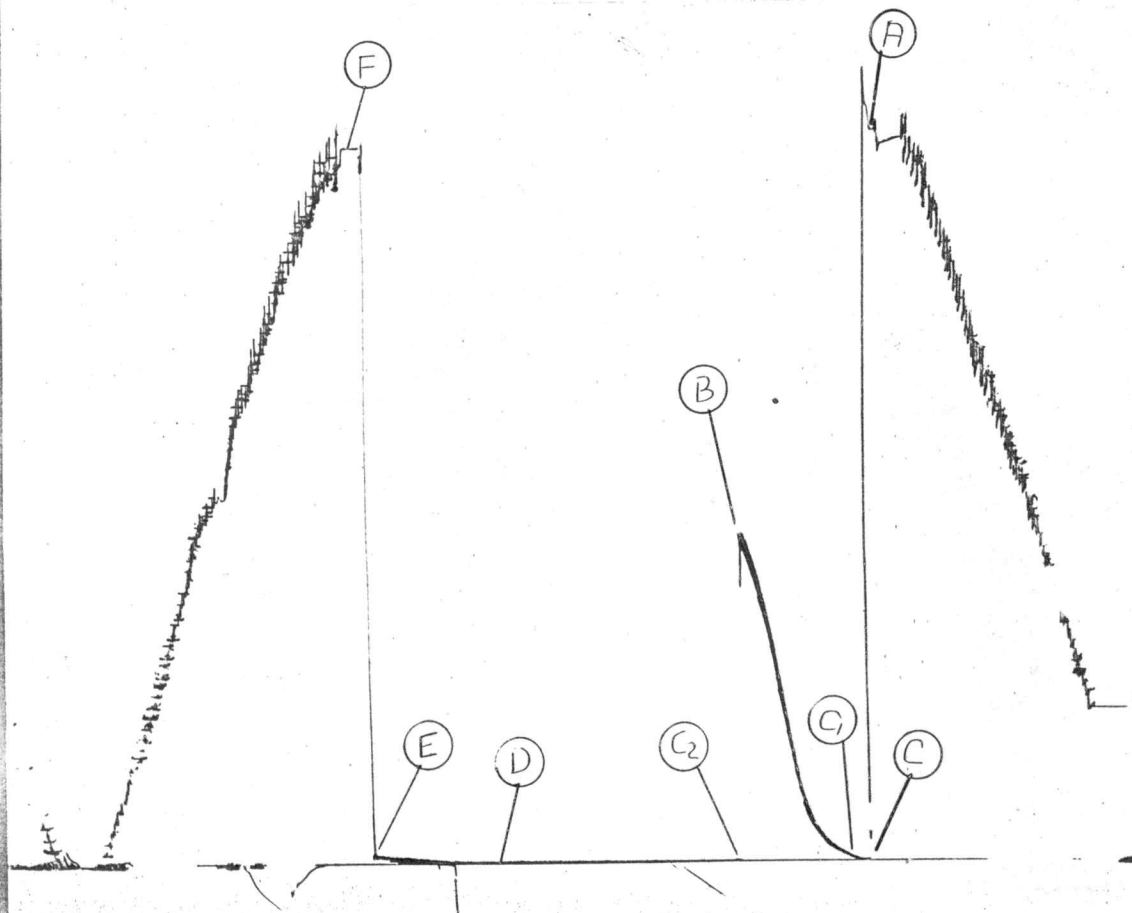
JOHNSTON TESTERS

FIELD
REPORT NO.
65148 L

RECORDER NO.
T-505

CAPACITY
3000#

REPORTS
REQUESTED
5-





A WORLD OF EXPERIENCE

JOHNSTON TESTERS

Pressure
Log*

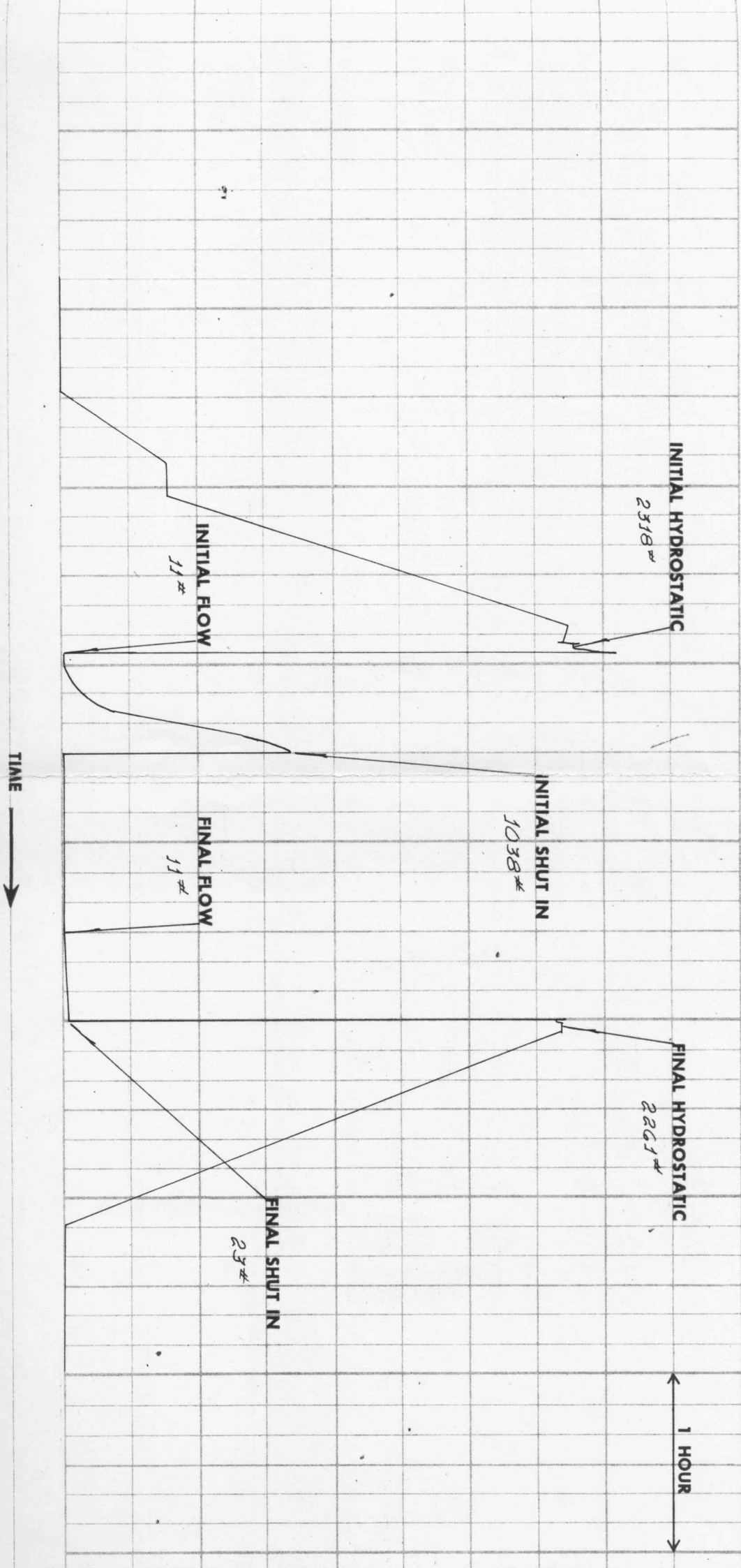
Field Report No. 651484

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 4373 ft.

*a continuous tracing of the original chart



JOHNSTON TESTERS

SURFACE INFORMATION

TOOL, HOLE & MUD DATA

Well Flowed NO	Amount 		
Reversed Out NO	Amount 		
Recovered MUDDY SALT WATER WITH SLIGHT TRACE OF OIL SALT WATER	Amount .85 BBLs (60') 43.17 BBLs (3040') 		
Blow STRONG THROUGHOUT TEST.			
Maximum Surface Pressure			
Description (Rate of Flow) Opened Tool CLOSED FOR INITIAL SHUT-IN RE-OPENED TOOL	Time 1520 1522 1552	Pressure (P.S.I.G.) - - -	Surface Choke 3/4" " -
Remarks:			

[illegible]

Company CITIES SERVICE PETROLEUM COMPANY BOX 308 GREAT BEND, KANSAS Date 11-16-62
Well HUEY #1 Field WILD CAT Location 13-28-7
Test Interval 4384' TO 4393' Formation Test # 7 Casing Test # -
County KINGMAN State KANSAS Field Report No. 65149 L
Tester M. D. GLOVER Test Approved By MR. D. S. AUSTIN No. DST Reports Requested 5

Pressure Breakdown Data

Clock No. 1424 Clock travel 0.02101 inches per min. Well Temperature 142 °F.

c-1	246
c-2	171

Remarks:

[illegible]

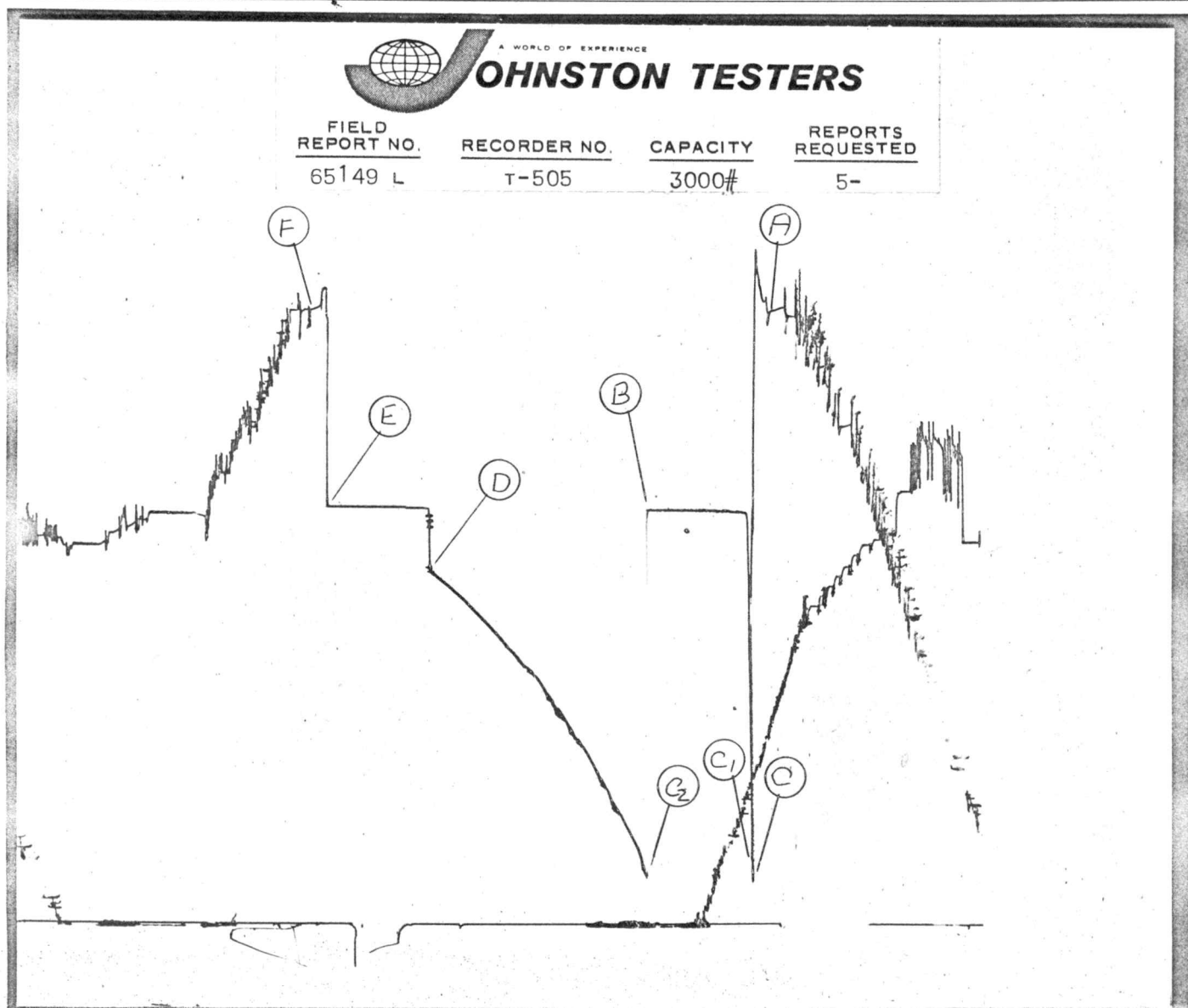
JOHNSTON TESTERS

Pressure Data

Field Report No. 65149 L

Recorder No.	T-505	OUTSIDE			
Capacity (P.S.I.G.)	3000				
Recorder Depth	4378'				
Pressure Gradient P.S.I./Ft.					
Well Temperature °F.	142				
A Initial Hydrostatic Mud	2265				
B Initial Shut-in	1526				
C Initial Flow	156				
D Final Flow	1290				
E Final Shut-in	1532				
F Final Hydrostatic Mud	2264				
Remarks:	c-1	246			
	c-2	171			

*Shut in pressure did not reach static reservoir pressure.





A WORLD OF EXPERIENCE

JOHNSTON TESTERS

Pressure
Log*

Field Report No. 65149 L

Recorder No. T-505

Capacity 3000 p.s.i.

Recorder Depth 4378 ft.

*a continuous tracing of the original chart

