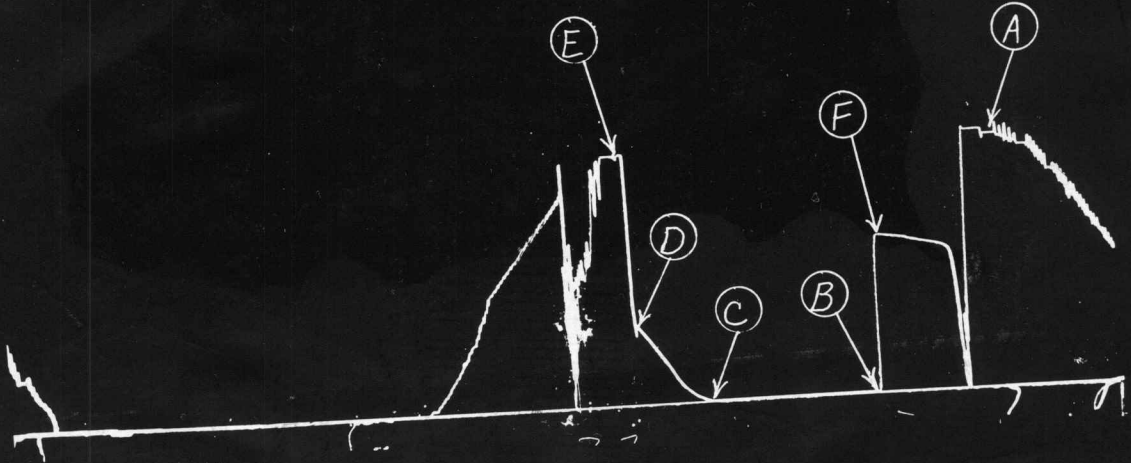


HINKLE OIL CO.
Leiker #1

Test #1
T.K.T. #7919K





Home Office: Great Bend, Kansas
 P.O. Box 393 Gladstone 3-7903

25-135-16W
 SE-SW-NW

COMPANY Hinkle Oil Company WELL Leiker # 1 East
 DATE 6-23-60 COUNTY Ellis STATE Kansas
 TEST NO. # 1 TICKET NO. 7919 K TYPE TEST open hole (conventional)
 TEST APPROVED BY James A. Ralston WESTERN REPRESENTATIVE Jack Toelkes

TEST DATA:

Tested From 3100' To 3105' Depth 3105'
 Hydrostatic Mud Pressure—Initial (A) 1680# Final (E) 1680#
 Flow Pressure—Initial (B) 0# Final (C) 0#
 Bottom Hole Pressure—Initial (F) 990# Final (D) 520#
 Tool Open -- Hr. 30 Min.; Shut-in-Initial -- Hr. 20 Min.; Shut-in-Final -- Hr. 20 Min.
 Chokes; Surface 1/2 Bottom 3/4 Fluid Cushion: Type --- Amount ---
 Recovery:

30' Drilling Mud.

SURFACE DATA:

BLOW: Weak 15 minutes.

Maxium Surface Pressure --- Did Well Flow? No

Description of Flow	Time	Max. Pressure	Size Surface Choke

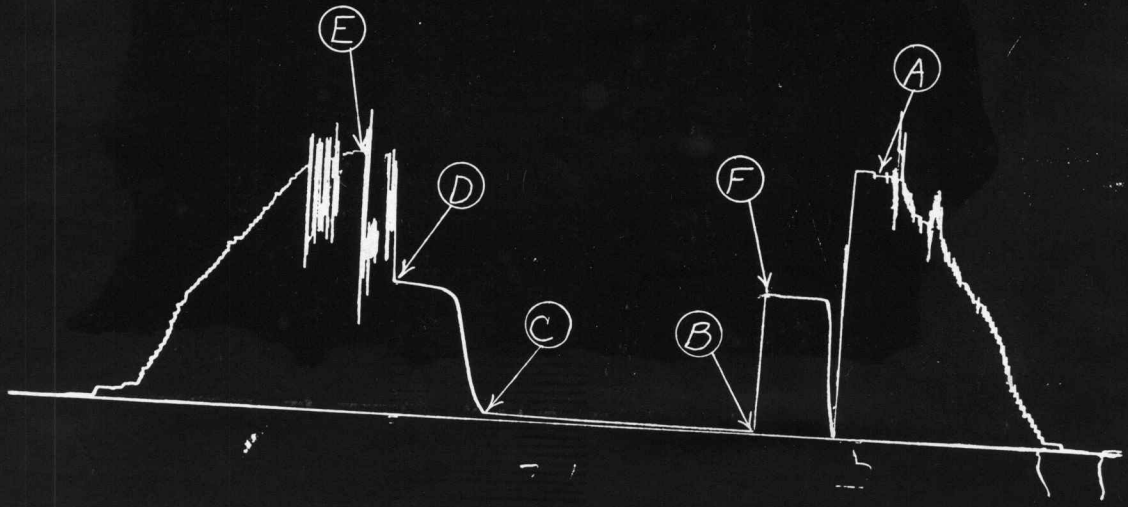
GENERAL OPERATIONAL DATA:

Hole Size: Main Hole 7 7/8 Rat Hole --- Drill Pipe Size 4 1/2 full hole
 Hole Condition Poor Mud Weight 10.3 Viscosity 35
 Type Pressure Recorder Western Recorder No. 21 & 22 Date Calib. 2-1-60
 Extra Equipment: Dual Packer No Jars No Safety Joint No
 Was Test Recovery Reversed Out? No Bottom Hole Temperature Not Taken
 Number of Copies Requested 5

REMARKS:

HINKLE OIL CO.
LICKER #1

Test #2
TKT #7920K





25-135-16W
SE-SW-NW

Home Office: Great Bend, Kansas
P.O. Box 393 Gladstone 3-7903

COMPANY Hinkle Oil Company WELL Leiker # 1 East
DATE 6-24-60 COUNTY Ellis STATE Kansas
TEST NO. # 2 TICKET NO. 7920 K TYPE TEST open hole (conventional)
TEST APPROVED BY James A. Ralston WESTERN REPRESENTATIVE Jack Toelkes

TEST DATA:

Tested From 3142' To 3176' Depth 3176'
Hydrostatic Mud Pressure—Initial (A) 1780# Final (E) 1780#
Flow Pressure—Initial (B) 0# Final (C) 50#
Bottom Hole Pressure—Initial (F) 760# Final (D) 710#
Tool Open 1 Hr. Min.; Shut-in-Initial 20 Hr. Min.; Shut-in-Final 20 Hr. Min.
Chokes; Surface Bottom Fluid Cushion: Type Amount
Recovery:

- 50' gassy oil
- 60' slightly oil cut mud
- 60' medium oil cut mud
- 10' water

1320' gas in pipe.

SURFACE DATA:

BLOW: Strong through out.

Maxium Surface Pressure ---- Did Well Flow? No

Description of Flow	Time	Max. Pressure	Size Surface Choke

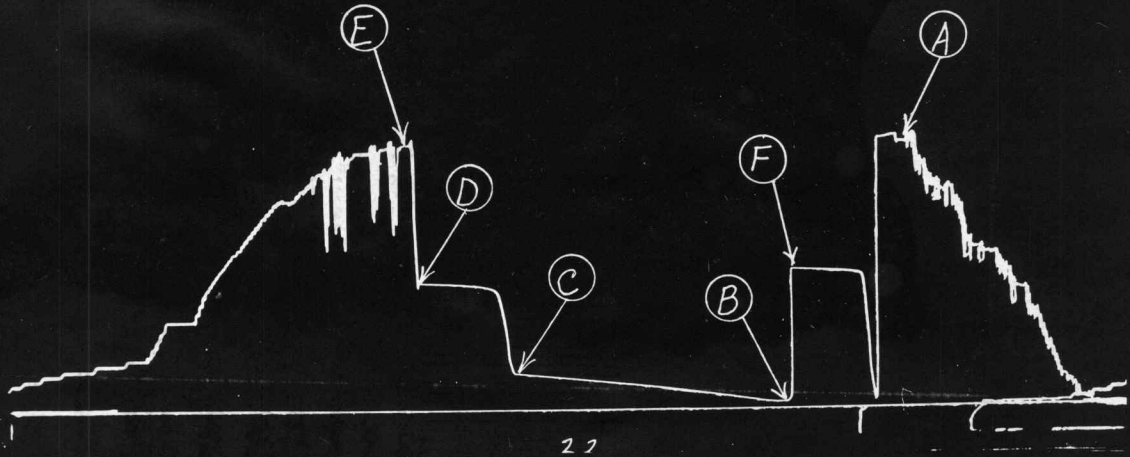
GENERAL OPERATIONAL DATA:

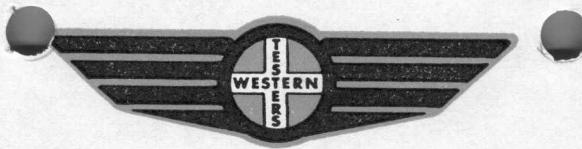
Hole Size: Main Hole 7 7/8 Rat Hole -- Drill Pipe Size 4 1/2 full hole.
Hole Condition Poor Mud Weight 10.2 Viscosity 42
Type Pressure Recorder Western Recorder No. 21 & 22 Date Calib. 2-1-60
Extra Equipment: Dual Packer Yes Jars No Safety Joint No
Was Test Recovery Reversed Out? No Bottom Hole Temperature Not Taken
Number of Copies Requested 5

REMARKS:

HINKLE OIL CO
Leiker #1

Test #3
TKT# 7921K





Home Office: Great Bend, Kansas
P.O. Box 393 Gladstone 3-7903

25-135-16W
SE-SW-NW

COMPANY Hinkle Oil Company WELL Leiker # 1 East
DATE 6-24-60 COUNTY Ellis STATE Kansas
TEST NO. # 3 TICKET NO. 7921 K TYPE TEST open hole (conventional)
TEST APPROVED BY James A. Ralston WESTERN REPRESENTATIVE Jack Toelkes

TEST DATA:

Tested From 3182' To 3199' Depth 3199'
Hydrostatic Mud Pressure—Initial (A) 1800# Final (E) 1800#
Flow Pressure—Initial (B) 0# Final (C) 280#
Bottom Hole Pressure—Initial (F) 790# Final (D) 710#
Tool Open 1 Hr. Min.; Shut-in-Initial 20 Hr. Min.; Shut-in-Final 20 Min.
Chokes; Surface 1/2 Bottom 3/4 Fluid Cushion: Type _____ Amount _____
Recovery:

1980' gas
720' fluid
120' oil & gas cut mud
600' oily water

SURFACE DATA:

BLOW: Strong through out test.


Maxium Surface Pressure _____ Did Well Flow? No

Description of Flow	Time	Max. Pressure	Size Surface Choke

GENERAL OPERATIONAL DATA:

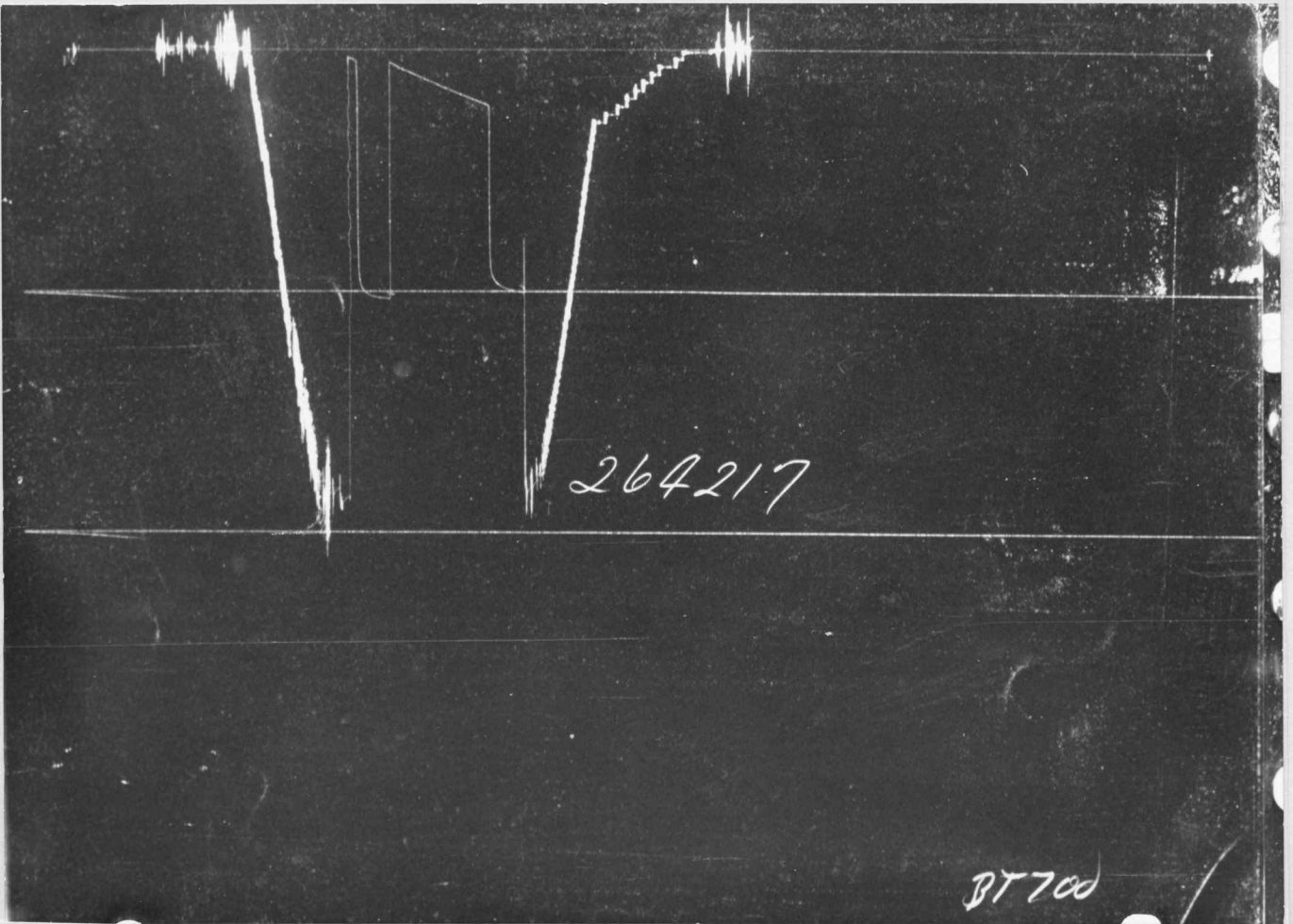
Hole Size: Main Hole 7 7/8 Rat Hole ---- Drill Pipe Size 4 1/2 full hole
Hole Condition Fair Mud Weight 102 Viscosity 40
Type Pressure Recorder Western Recorder No. 21-22 Date Calib. 2-1-60
Extra Equipment: Dual Packer Yes Jars No Safety Joint No
Was Test Recovery Reversed Out? No Bottom Hole Temperature Not Taken
Number of Copies Requested 5

REMARKS:

Initial Closed In Time	20	Minutes		Date	6-25-60
Tool Open Flow Period	5	Minutes		Ticket No.	264217
Final Closed In Time	20	Minutes		HOWCO DISTRICT	Hays
Depth Top Gauge	3331	Ft. Blanked Off		Kind of Job	Open Hole
BT. P.R.D. No	700	12 Hr. Clock	CONTRACTOR LEBEN DRILLING COMPANY		
Pressure Readings	Field	Office Corrected	HOLE & TOOL DATA		
Initial Hydro Mud Pressure	1830	1818	Elevation	1923' DF	Top Packer Depth 3339'
Initial Closed in Pres.	1030	1030	Total Depth	3381'	Bottom Packer Depth 3345'
Initial Flow Pres.	60	31-56	Casing or Hole Size	7 7/8"	Size & Type Wall Packer 6 3/4" SEWP
Final Flow Pres.	225	48-230	Liner or Rathole Size	7 7/8"	Size Bottom Choke 5/8"
Final Closed in Pres.	1010	1004	Casing Perforations	Top Bottom	Size Surface Choke 1/4"
Final Hydro Mud Pressure	1800	1814	Interval Tested	3381-3345'	ID & Length Air Chamber -
Depth Center Gauge	Ft.	Blanked Off	Formation Tested	Cong.	ID & Length Drill Collars -
BT. P.R.D. No		Hr. Clock	Est. Gauge Depth Temp.	A 102 F°	Size Drill Pipe 4 1/2" API FH
Pressure Readings	Field	Office Corrected	MUD DATA Weight	9.8	Viscosity 42
Initial Hydro Mud Pressure			All depths measured from	Kelly bushing	No...Folders Reproduced 5
Initial Closed in Pres.			REMARKS: Tool opened at 10:45 PM for a 5		
Initial Flow Pres.			minute first flow. Rotated for a 20 minute		
Final Flow Pres.			initial closed in pressure. Tool re-opened		
Final Closed in Pres.			with a weak blow increasing to a fair blow.		
Final Hydro Mud Pressure			Took a 20 minute final closed in pressure.		
Depth Bottom Gauge	3377	Ft. Blanked Off yes			
BT. P.R.D. No	1866	12 Hr. Clock			
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure					
Initial Closed in Pres.			Recovered	240	Feet of free oil
Initial Flow Pres.			Recovered	300	Feet of muddy oil
Final Flow Pres.			Recovered		Feet of
Final Closed in Pres.			Recovered		Feet of
Final Hydro Mud Pressure			Witnessed By Jim Rolston		
Amount-Type of Cushion			Tester Alvin A. Berens		

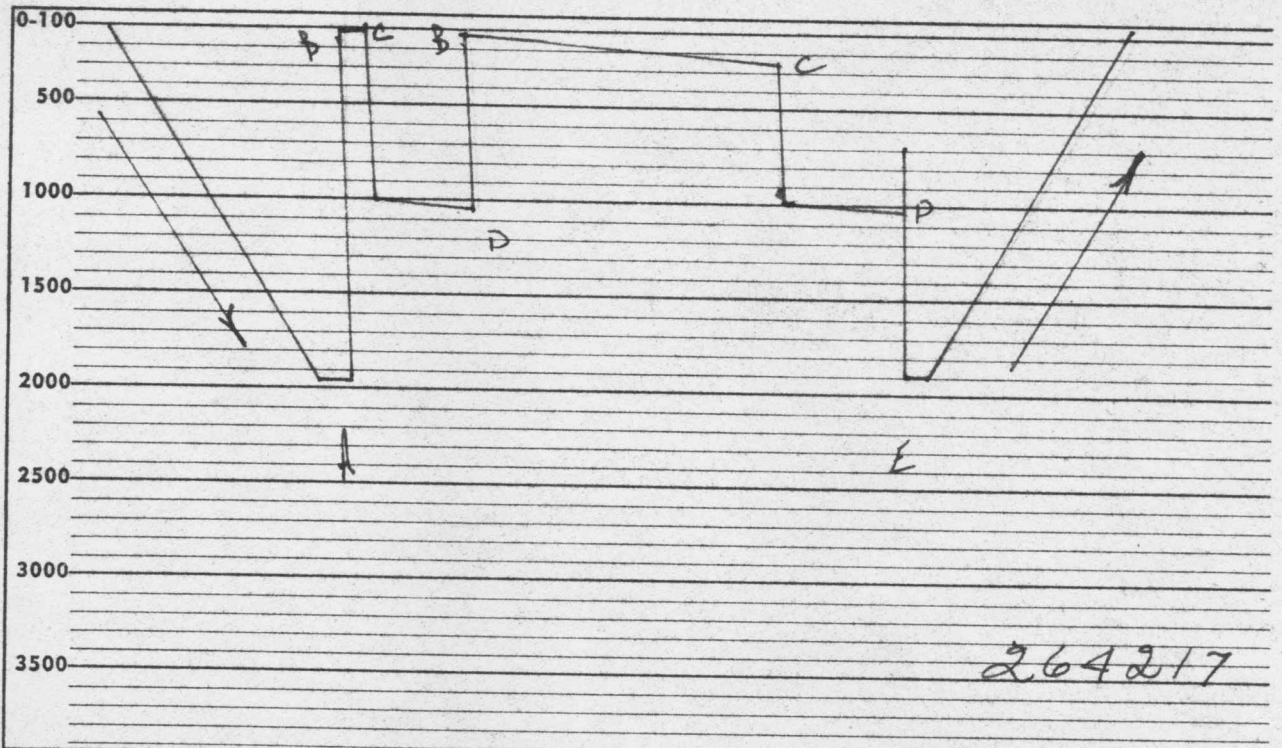
LOCATION 25 13 16W
 FIELD
 COUNTY ELLIS
 STATE INDIANA

LEASE NAME LIEKER East
 WELL NO. 1
 TEST NO.
 LEASE OWNER HINKLE OIL COMPANY
 OWNERS DISTRICT HAYS



PRESSURE


TIME



- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

HOWCO 1395—LITTLE'S 58248 SM 5/59

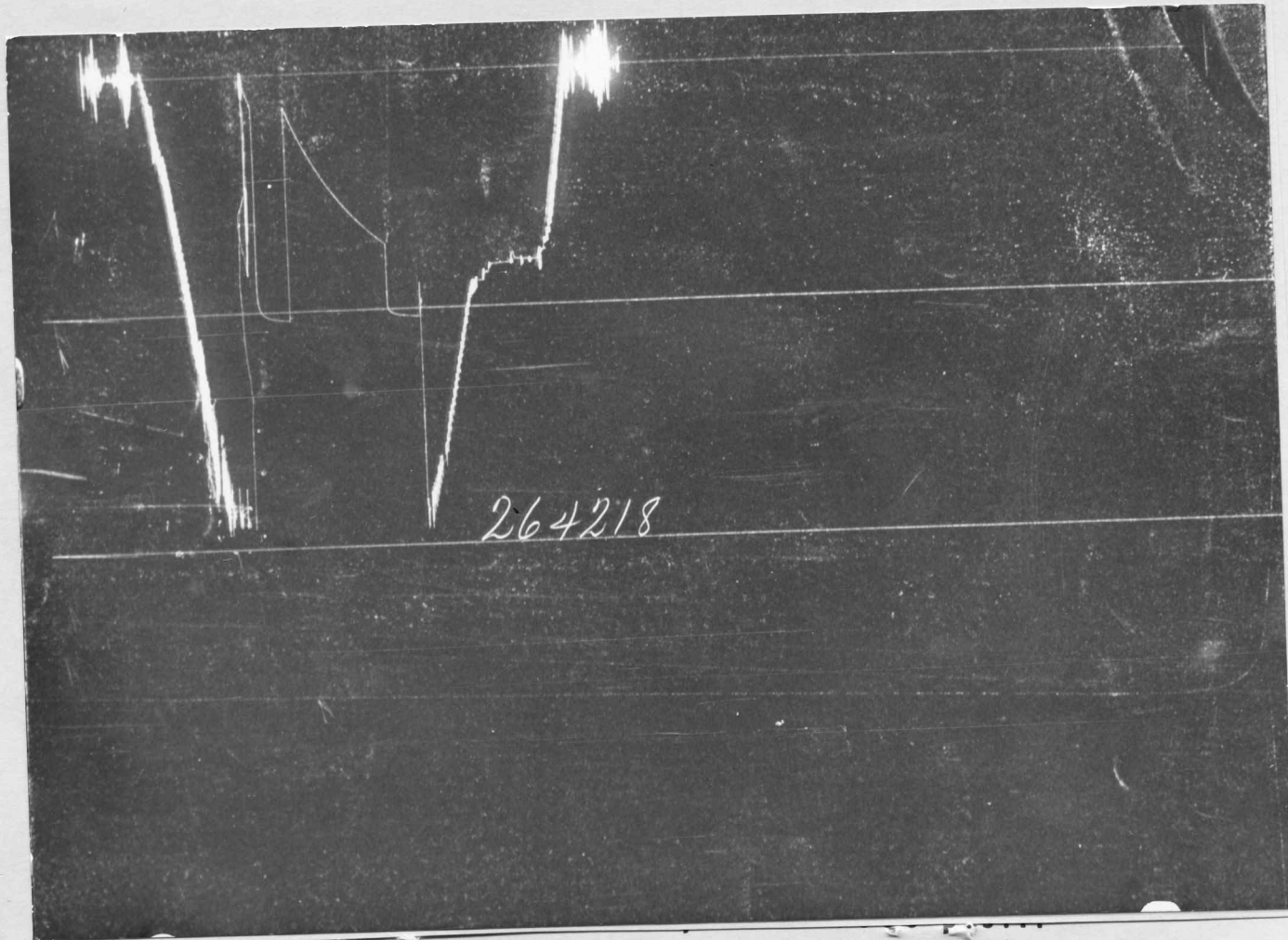
Each Horizontal Line Equal to 1000 p.s.i.

Initial Closed In Time		1 20 Minutes		Date	6-26-67
Tool Open Flow Period		1st 5 / 2nd 60 Minutes		Ticket No.	264218
Final Closed In Time		20 Minutes		HOWCO DISTRICT	HAYS, KANSAS
Depth Top Gauge	3380 Ft.	Blanked Off	NO	Kind of Job	OPEN HOLE
BT. P.R.D. No	700	12 Hr. Clock	CONTRACTOR LEBEN DRILLING COMPANY		
Pressure Readings	Field	Office Corrected	HOLE & TOOL DATA		
Initial Hydro Mud Pressure	1910	1861	Elevation	1923' D.F.	Top Packer Depth -
Initial Closed in Pres.	1030	1036	Total Depth	3400'	Bottom Packer Depth 3394'
Initial Flow Pres.	110	38-142	Casing or Hole Size	7 7/8"	Size & Type Wall Packer 3/4" S.E.W.P.
Final Flow Pres.	720	130-727	Liner or Rathole Size	7 7/8"	Size Bottom Choke 5/8"
Final Closed in Pres.	1030	1034	Casing Perforations	Top Bottom	Size Surface Choke 1/4"
Final Hydro Mud Pressure	1930	1838	Interval Tested	3400'-3394'	ID & Length Air Chamber -
Depth Center Gauge	Ft.	Blanked Off	Formation Tested	ARBuckle	ID & Length Drill Collars -
BT. P.R.D. No		Hr. Clock	Est. Gauge Depth Temp.	Actual 102 F°	Size Drill Pipe 4 1/2" API F.H.
Pressure Readings	Field	Office Corrected	MUD DATA Weight	10	Viscosity 16
Initial Hydro Mud Pressure			All depths measured from	KELLY RUSHING	No. Folders Reproduced 5
Initial Closed in Pres.			REMARKS: Opened tool at 3:30 P.M. for 5 minute		
Initial Flow Pres.			first flow. Closed tool for 20 minute initial		
Final Flow Pres.			closed in pressure. Re-opened tool with fair		
Final Closed in Pres.			blow increased to strong blow. Closed tool		
Final Hydro Mud Pressure			for 20 minute final closed in pressure.		
Depth Bottom Gauge	Ft.	Blanked Off	NO P.R.D. WAS RUN.		
BT. P.R.D. No		Hr. Clock			
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure					
Initial Closed in Pres.			Recovered	1140 Feet of	Oily Sulphur Water
Initial Flow Pres.			Recovered	Feet of	
Final Flow Pres.			Recovered	Feet of	
Final Closed in Pres.			Recovered	Feet of	
Final Hydro Mud Pressure			JIM ROLSTON		
Amount-Type of Cushion			Witnessed By ALVIN A. BERENS		
None			Tester ALVIN A. BERENS		

LOCATION Sec. 25-13-16W
 FIELD
 COUNTY ELLIS
 STATE KANSAS

LIKER East
 LEASE NAME
 WELL NO. 1
 TEST NO. 5
 HINKLE OIL COMPANY
 LEASE OWNER
 HAYS KANSAS
 OWNERS DISTRICT

SI



URE →