



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Empire Drilling Company Lease & Well No. Shoemaker #1 Tkt. #2431
Date 5-30-62 Sec. 28 Twp. 6S Range 26W County Sheridan State Kansas
Test Approved by V. Jean Taylor Western Representative Bill Hager

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3935' to 4000' Total Depth 4000'
Size Main Hole 7 7/8" Rat Hole None Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐
Packer Depth 3935' Ft. Size 6 3/4" Packer Depth ☐ Ft. Size ☐
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" P.H. Anchor Length 65 Ft. Size 30' 4 1/2" D.P.
35' 5 1/2" O.D.

RECORDERS	Depth <u>3941</u> Ft.	Clock No. <u>6896</u>	Depth <u>3944</u> Ft.	Clock No. <u>102</u>
	Top Make <u>Amorada</u> Cap. <u>3200#</u> No. <u>1561</u>	Inside ☐ Outside ☒	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>21</u>	Inside ☐ Outside ☒
	Below Straddle: Depth ☐ Clock No. ☐	Inside ☐ Outside ☐	Depth ☐ Ft. Clock No. ☐	Inside ☐ Outside ☐
	Top Make ☐ Cap. ☐ No. ☐	Inside ☐ Outside ☐	Bottom Make ☐ Cap. ☐ No. ☐	Inside ☐ Outside ☐

Time Set Packer 9:42 A M
Tool Open I.F.P. From 9:43A M. to 9:48A M. - Hr. 5 Min. From (B) 31 P.S.I. To (C) 47 P.S.I.
Tool Closed I.C.I.P. From 9:49A M. to 10:04A M. - Hr. 15 Min. (D) 1316 P.S.I.
Tool Open F.F.P. From 10:05A M. to 10:35A M. - Hr. 30 Min From (E) 70 P.S.I. To (F) 157 P.S.I.
Tool Closed F.C.I.P. From 10:36A M. to 10:51A M. - Hr. 15 Min. (G) 1133 P.S.I.
Initial Hydrostatic Pressure (A) 2329 P.S.I. Final Hydrostatic Pressure (H) 2307 P.S.I.

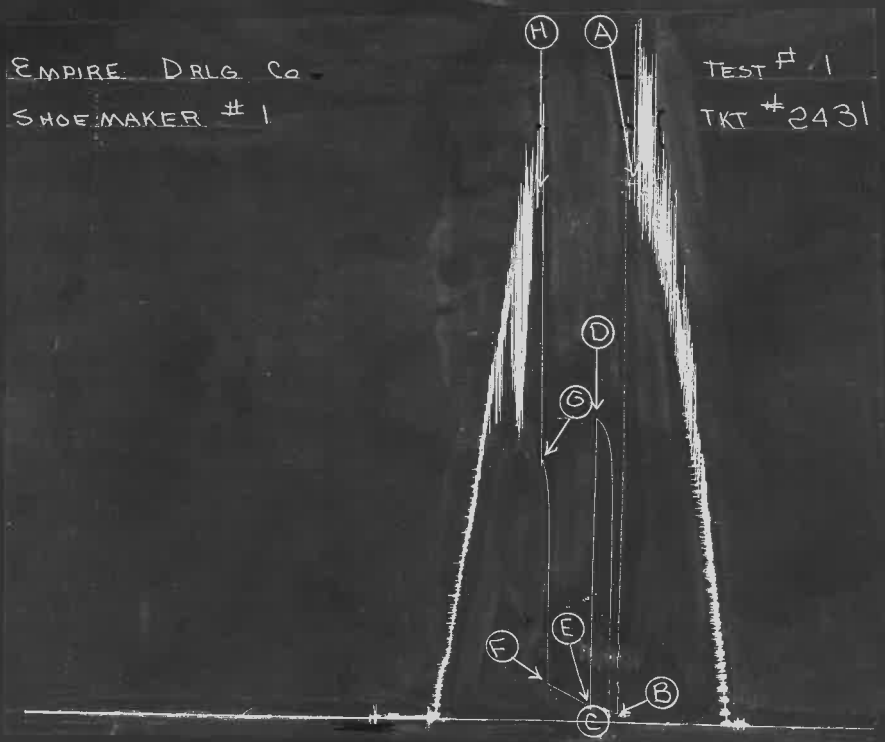
SURFACE	Size Choke <u>3/4</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION			M.	
			M.	
			M.	

BLOW Good blow throughout test Bottom Choke Size 3/4 in.
Did Well Flow ☐ Yes ☒ No ☐ Recovery Total Ft. 290 Oil ☐ Gas 290'uddy Water

Reversed Out ☐ Yes ☒ No ☐ Mud Type Starch Viscosity 55 Weight 11.3 Maximum Temp. 113 °F

EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☐ Jars: Size ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. 4 1/2" P.H. Plug Did Tool Plug? ☒ Where? ☐ Did Packer Hold? ☒

Remarks
78' Test Tool
3922' Drill Pipe - 3.0" I.D.



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud.....	2329	PSI
(B) First Initial Flow Pressure	31	PSI
(C) First Final Flow Pressure	47	PSI
(D) Initial Closed-in Pressure	1316	PSI
(E) Second Initial Flow Pressure	70	PSI
(F) Second Final Flow Pressure	157	PSI
(G) Final Closed-in Pressure	1133	PSI
(H) Final Hydrostatic Mud	2907	PSI