

Flow Time	1st Min. 30	2nd Min. 60	Date	8-26-67	Ticket Number	484181 S
Closed in Press. Time	1st Min. 45	2nd Min. 60	Kind of Job	OPEN HOLE	Halliburton District	PRATT
Pressure Readings	Field	Office Corrected	Tester	M. B. HUNTER	Witness	BILL ROMIG
Depth Top Gauge	Ft.	Blanked Off	Drilling Contractor	GABERT & JONES		IG
BT. P.R.D. No.		Hour Clock	Elevation	-	Top Packer	2499'
Initial Hydro Mud Pressure			Total Depth	2560'	Bottom Packer	2503'
Initial Closed in Pres.			Interval Tested	2503' - 2560'	Formation Tested	Indian Cave
Initial Flow Pres.	1		Casing or Hole Size	7 7/8"	Casing Perfs. } Top	
Final Flow Pres.	1		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	2		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	--
Final Hydro Mud Pressure			Mud Weight	10.2	Mud Viscosity	45
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	92 °F Est. 2555' @ 90 °F Actual	Anchor Size & Length	ID 3.37" OD 5.00" X 57'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	-	Depth of Tester Valve	2482 Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	1380	Feet of formation water.	
Initial Flow Pres.	1		Recovered		Feet of	
Final Flow Pres.	1		Recovered		Feet of	
Final Closed in Pres.	2		Recovered		Feet of	
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	2556 Ft.	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	297	Hour Clock	Tool Opened	6:48 A.M.	A.M. P.M. Tool Closed	9:03 A.M. P.M.
Initial Hydro Mud Pres.	1328	1372	Remarks	Opened tool for a 30 minute initial flow		
Initial Closed in Pres.	901	914	with good blow. Took a 45 minute initial closed			
Initial Flow Pres.	70	1 88	in pressure. Reopened tool for a 60 minute final			
Final Flow Pres.	389	2 445	flow with a good blow. Closed tool for a 60 minute			
Final Closed in Pres.	389	1 425	final closed in pressure.			
Final Hydro Mud Pres.	725	2 733				
Final Closed in Pres.	901	914				
Final Hydro Mud Pres.	1327	1334				

Legal Location Sec. - Twp. - Rng. C NE NE 11 30 10
 Lease Name FTGGO
 Well No. 1
 Test No. 1
 Field Area
 County KINGMAN
 State KANSAS
 Lease Owner/Company Name O.A. SUTTON

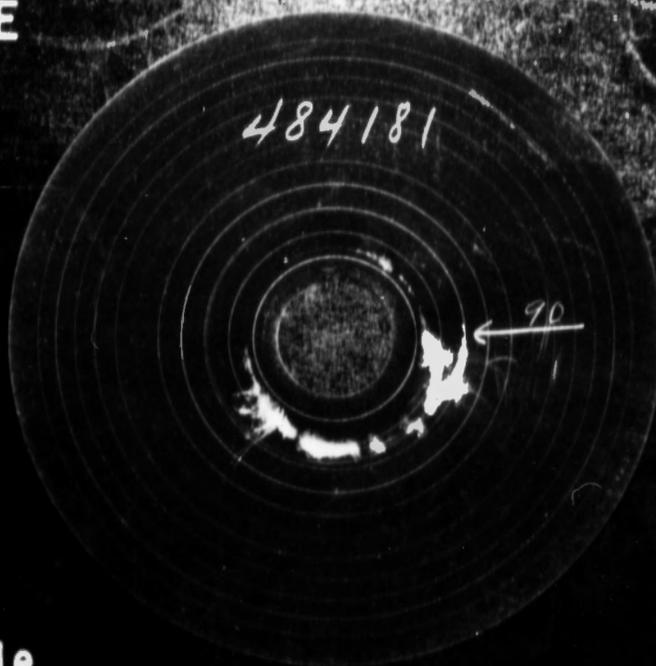
11-20-10
 Owner's District

FORMATION TEST DATA

Gauge No.		Depth			Clock		hour			Ticket No. 484181	
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure				
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\phi}$	PSIG Temp. Corr.		
P ₀											
P ₁											
P ₂											
P ₃											
P ₄											
P ₅											
P ₆											
P ₇											
P ₈											
P ₉											
P ₁₀											

Gauge No. 297		Depth 2556'			Clock 12		hour				
P ₀	.000	88	.000		425	.000	445	.000		733	
P ₁	.0436	159	.0358		846	.0692	515	.0412		883	
P ₂	.0872	240	.0716		874	.1384	578	.0824		893	
P ₃	.1308	309	.1074		888	.2076	626	.1236		898	
P ₄	.1744	371	.1432		896	.2768	666	.1648		903	
P ₅	.2180	425	.1790		902	.3460	703	.2060		905	
P ₆			.2148		906	.4150	733	.2472		908	
P ₇			.2506		909			.2884		910	
P ₈			.2864		912			.3296		912	
P ₉			.3220		914			.3708		913	
P ₁₀			-		-			.4120		914	
Reading Interval		6	5		10		6		Minutes		

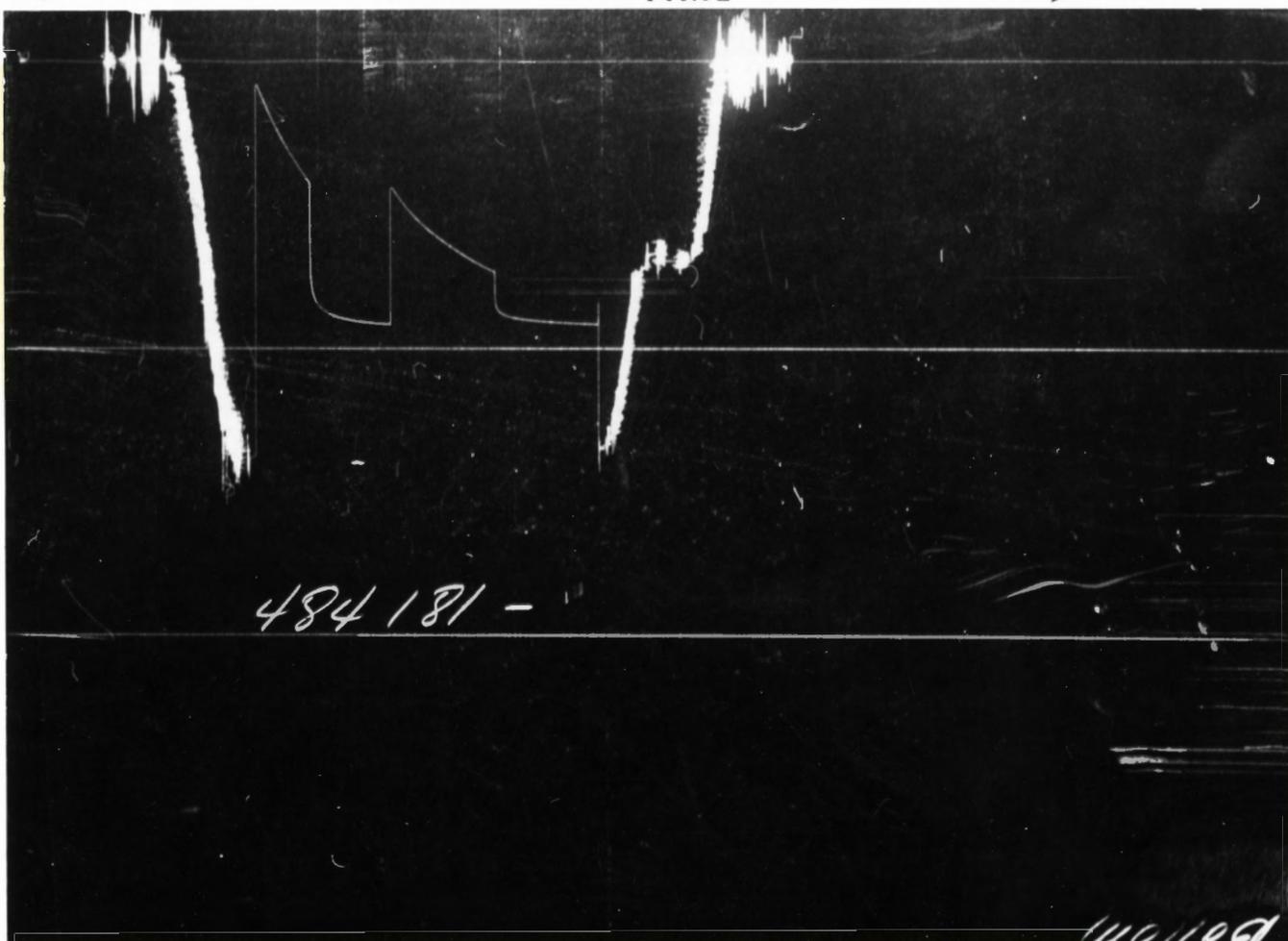
TEMPERATURE
RECORDER
CHART



10° each circle

PRESSURE

TIME



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

NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b₁	= Approximate Radius of Investigation (Net Pay Zone h ₁)	Feet
D.R.	= Damage Ratio	—
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h₁	= Net Pay Thickness	Feet
K	= Permeability	md
K₁	= Permeability (From Net Pay Zone h ₁)	md
m	= Slope Extrapolated Pressure Plot (Psi ² /cycle Gas)	psi/cycle
OF₁	= Maximum Indicated Flow Rate	MCF/D
OF₂	= Minimum Indicated Flow Rate	MCF/D
OF₃	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF₄	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{or}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q₁	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.