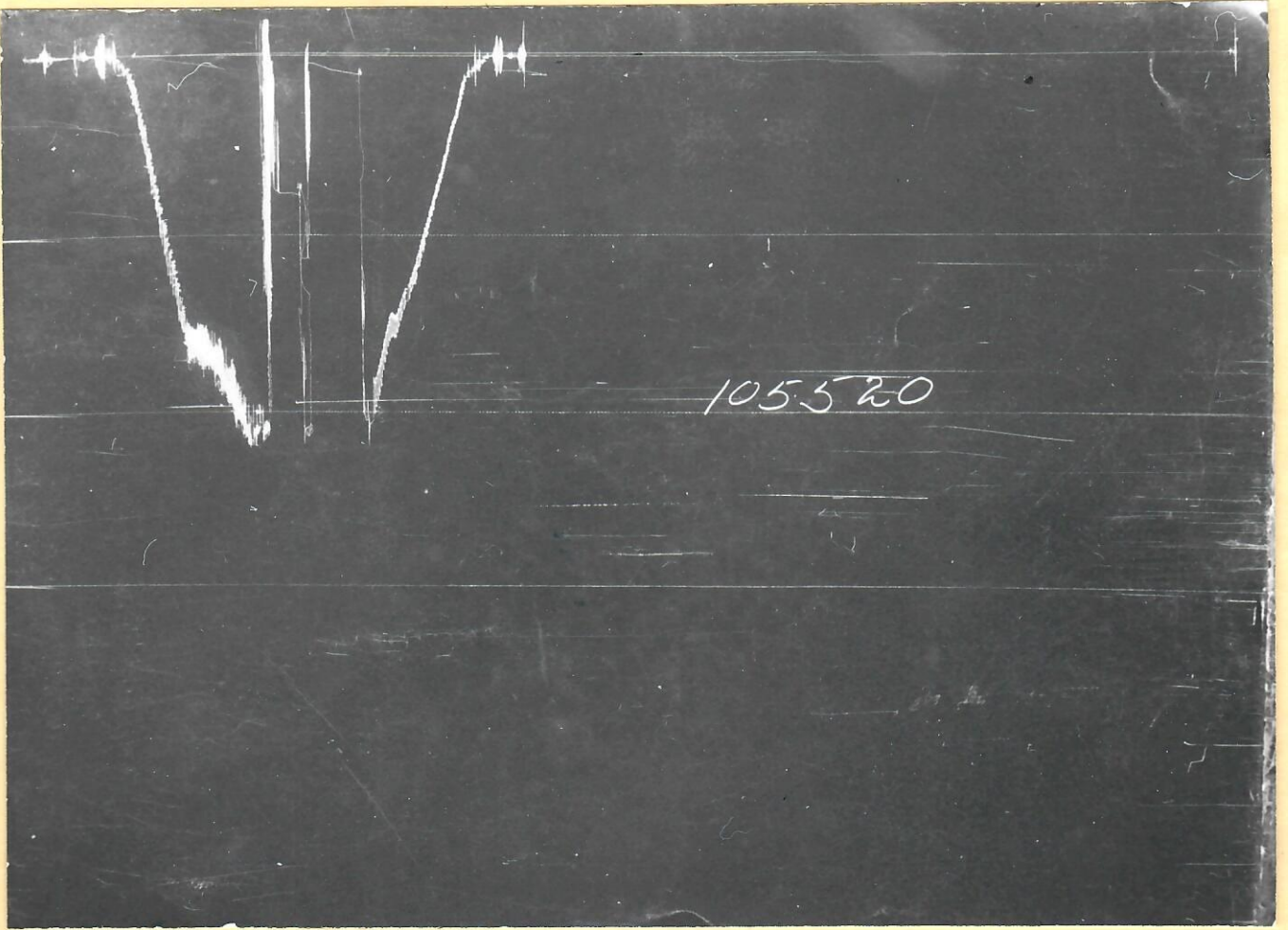




Your.....

Formation Testing Service Report



105520

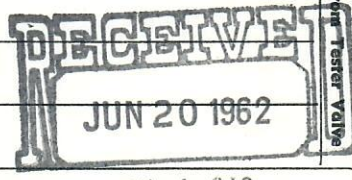
PRESSURE

TIME

RECEIVED
JUN 20 1962
OIL & GAS
CONSERVATION COMMISSION

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

Flow Time	1st 51	Min.	2nd --	Min.	Date	2-20-62	Ticket Number	105520	Legal Location Sec. - Twp. - Rng. NE 16-35-50M
Closed In Press. Time	1st --	Min.	2nd --	Min.	Kind of Job	Open Hole	Halliburton District	Sterling	
Pressure Readings	Field		Office Corrected		Tester	Otis Hamberlin Don Grindle	Witness	Bert McGonack	
Depth Top Gauge	3834	Ft.	No	Blanked Off	Drilling Contractor	S.D. Johnson			
BT. P.R.D. No.	186		12	Hour Clock	Elevation	--	Top Packer	3869'	
Initial Hydro Mud Pressure	2082		2072		Total Depth	3872'	Bottom Packer	--	
Initial Closed in Pres.					Interval Tested	3869-3872'	Formation Tested	J Sand	
Initial Flow Pres.	43		2	Plugged	Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.	
Final Flow Pres.	86		2	106	Surface Choke	5/16"	Bottom Choke	7/8"	
Final Closed in Pres.					Size & Kind Drill Pipe	4" FH	Drill Collars Above Tester	I.D. - LENGTH 2 7/8" x 180'	
Final Hydro Mud Pressure	2053		2051		Mud Weight	10	Mud Viscosity	108	
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	100 °F Est. °F Actual	Anchor Size & Length	ID 3.87 OD 5" X 3'	
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	Ft.	
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	Ft.	
Initial Closed in Pres.					Cushion		Recovered	220 Feet of muddy 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	OIL & GAS CONSERVATION COMMISSION	
Depth Bot. Gauge		Ft.		Blanked Off	Gas Gravity		Surface Pressure	psi	
BT. P.R.D. No.				Hour Clock	Tool Opened	1:30 A.M. P.M.	Tool Closed	2:25 A.M. P.M.	
Initial Hydro Mud Pres.					Remarks	Open tool with a very weak blow, dead			
Initial Closed in Pres.						in 19 mins. Bypassed mud to flush perforations.			
Initial Flow Pres.		1				Open with a weak blow to end of test.			
Final Flow Pres.		1				No gas to surface. Tool plugged first part			
Final Closed in Pres.		2				of test.			
Final Hydro Mud Pres.									



FORMATION TEST DATA

STATE
Lease Name
Well No. 2
Test No. 1
Field Area
COUNTY
S. D. JOHNSON
Lease Owner/Company Name
WASHINGTON
State
DENVER
Owner's District
COLORADO

5

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_{ot}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbbls/day
Q₁	= Theoretical Production w/Damage Removed	bbbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbbls
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	= Natural Log	

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