

FRISBIE

D-3

1

3895' - 3915'

CLINTON OIL COMPANY

Lease Name

Well No.

Test No.

Tested Interval

Legal Location
Sec. - Twp. - Rng.

C - NW - SW 5 - 26S - 13W

Field Area

County

PRATT

State

KANSAS

Lease Owner/Company Name

FLUID SAMPLE DATA				Date 5-29-72		Ticket Number 452006	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District WINFIELD	
Recovery: Cu. Ft. Gas _____				Tester DURHAM		Witness LEWELLYN	
cc. Oil _____				Drilling Contractor GARVEY DRILLING COMPANY NM			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Kansas City Lime			
Tot. Liquid cc. _____				Elevation 1951' K.B. _____ Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 5' _____ Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 3915' _____ Ft.			
Recovery Water _____ @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8" _____			
Recovery Mud _____ @ _____ °F. _____ ppm				Drill Collar Length _____ I.D. _____			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Pipe Length 3872' _____ I.D. 3.826" _____			
Mud Pit Sample _____ @ _____ °F. _____ ppm				Packer Depth(s) 3890' - 3895' _____ Ft.			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Depth Tester Valve 3880' _____ Ft.			
Mud Weight 9.9 vis 41 cp				DCIP VALVE			
Cushion TYPE NONE AMOUNT _____		Depth Back Pres. Valve 3876' _____		Surface Choke 1/4" _____		Bottom Choke 3/4" _____	
Recovered 15' _____		Feet of drilling mud				Med. From Tester Valve	
Recovered _____		Feet of					
Recovered _____		Feet of					
Recovered _____		Feet of					
Recovered _____		Feet of					
Remarks Tool opened with a weak blow for a 15 minute first flow.							
Closed tool for a 60 minute first closed in pressure, Tool reopened for							
a 60 minute second flow with a weak blow, which continued throughout the							
test. Took a 90 minute second closed in pressure.							
TEMPERATURE		Gauge No. 737		Gauge No. 397		Gauge No. _____	
Depth: 3884' _____ Ft.		Depth: 3911' _____ Ft.		Depth: _____ Ft.		TIME	
Est. 115 °F.		12 Hour Clock		12 Hour Clock		Tool A.M. _____	
Blanked Off NO		Blanked Off YES		Blanked Off		Opened 7:45 P.M.	
Actual °F.		Pressures		Pressures		Tool A.M. _____	
		Pressures		Pressures		Closed 10:00 P.M.	
		Field Office		Field Office		Reported Computed	
		Minutes Minutes		Minutes Minutes			
Initial Hydrostatic		- 2051		- 2106			
Flow Initial		17.2 6		- 25			
Flow Final		17.2 10		- 27		15	
Closed in		68.7 40		- 63		60	
Flow Initial		17.2 9		- 27			
Flow Final		25.8 9		- 27		60	
Closed in		51.5 40		- 63		90	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		- 2004		- 2054			

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 3/4"	2 1/2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3872'	
Drill Collars	-			
Handling Sub & Choke Assembly	5"	3/4"	4'	
Dual CIP Valve				
Dual CIP Sampler	5"	3/4"	4'	3880'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/2"	4'	3884'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/2"	4'	3890'
Distributor				
Packer Assembly	6 3/4"	2 1/2"	4'	3895'
Flush Joint Anchor	5"	2 1/2"	16'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/2"	4'	3911'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				

PRESSURE

TIME

452006-727

452006-397

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_{ot}	= 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.