

FLUID SAMPLE DATA				Date 4-20-81		Ticket Number 018239	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY CHLORIDE CONTENT				Kind of D.S.T. OPEN HOLE Halliburton Location PRATT Tester MR. PARKER Witness MR. VEECH MR. MESSA ?? Drilling Contractor H-30 DRILLING COMPANY RIG #5 bc			
EQUIPMENT & HOLE DATA							
Formation Tested Viola Elevation 1974' KB Net Productive Interval _____ Ft. All Depths Measured From Kelly Bushing Total Depth 4765' Ft. Main Hole/Casing Size 7 7/8" Drill Collar Length 248' I.D. 2.25" Drill Pipe Length 4439' I.D. 3.826" Packer Depth(s) 4716' - 4722' Ft. Depth Tester Valve 4699' Ft.							
TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke			
Cushion			.25"	.75"			
Recovered	60 Feet of	Drilling mud					
Recovered	Feet of						
Recovered	Feet of						
Recovered	Feet of						
Recovered	Feet of						
Remarks Flushed tool 15 minutes into initial flow period.							
Charts indicate partial plugging of anchor perforations throughout test.							
SEE PRODUCTION TEST DATA SHEET.							
TEMPERATURE		Gauge No. 6276 Depth: 4701' Ft.	Gauge No. 6275 Depth: 4762' Ft.	Gauge No. _____ Depth: _____ Ft.	TIME (00:00-24:00 hrs.)		
		12 Hour Clock	12 Hour Clock	Hour Clock	Tool		
Est. _____ °F.	Blanked Off NO	Blanked Off YES	Blanked Off	Opened 1135			
4760' Actual 111 °F.	Pressures		Pressures		Opened 1315		
	Field	Office	Field	Office	Field	Office	Reported Minutes
Initial Hydrostatic	2439	2417.8		2450.4			Computed Minutes
First Period	Flow Initial	31		29.8			
	Flow Final	41		41.2			30
	Closed in	82		75.2			60
Second Period	Flow Initial	41		42.2			
	Flow Final	41		42.2			8
	Closed in	41		42.2			2
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic	2439	2420.9		2448.3			

Legal Location Sec. - Twp. - Rng. 36 - 30 - 16
 Field Area
 Meas. From Tester Valve
 County KIOWA
 State KANSAS

Lease Name
 Well No. M-3
 Test No. 2
 Tested Interval 4722' - 4765'
 Lease Owner/Company Name TEXAS OIL AND GAS CORPORATION

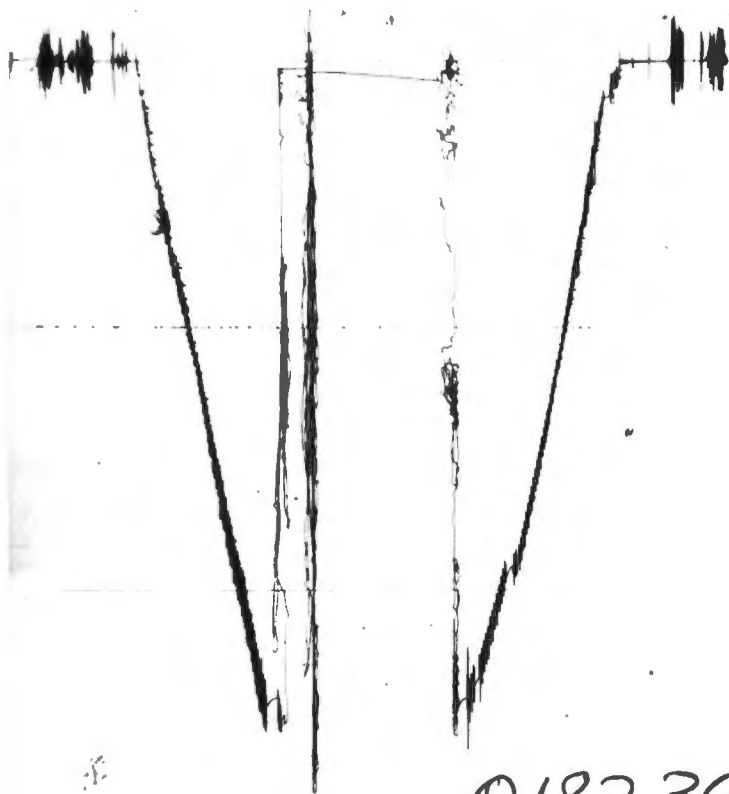
018239

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

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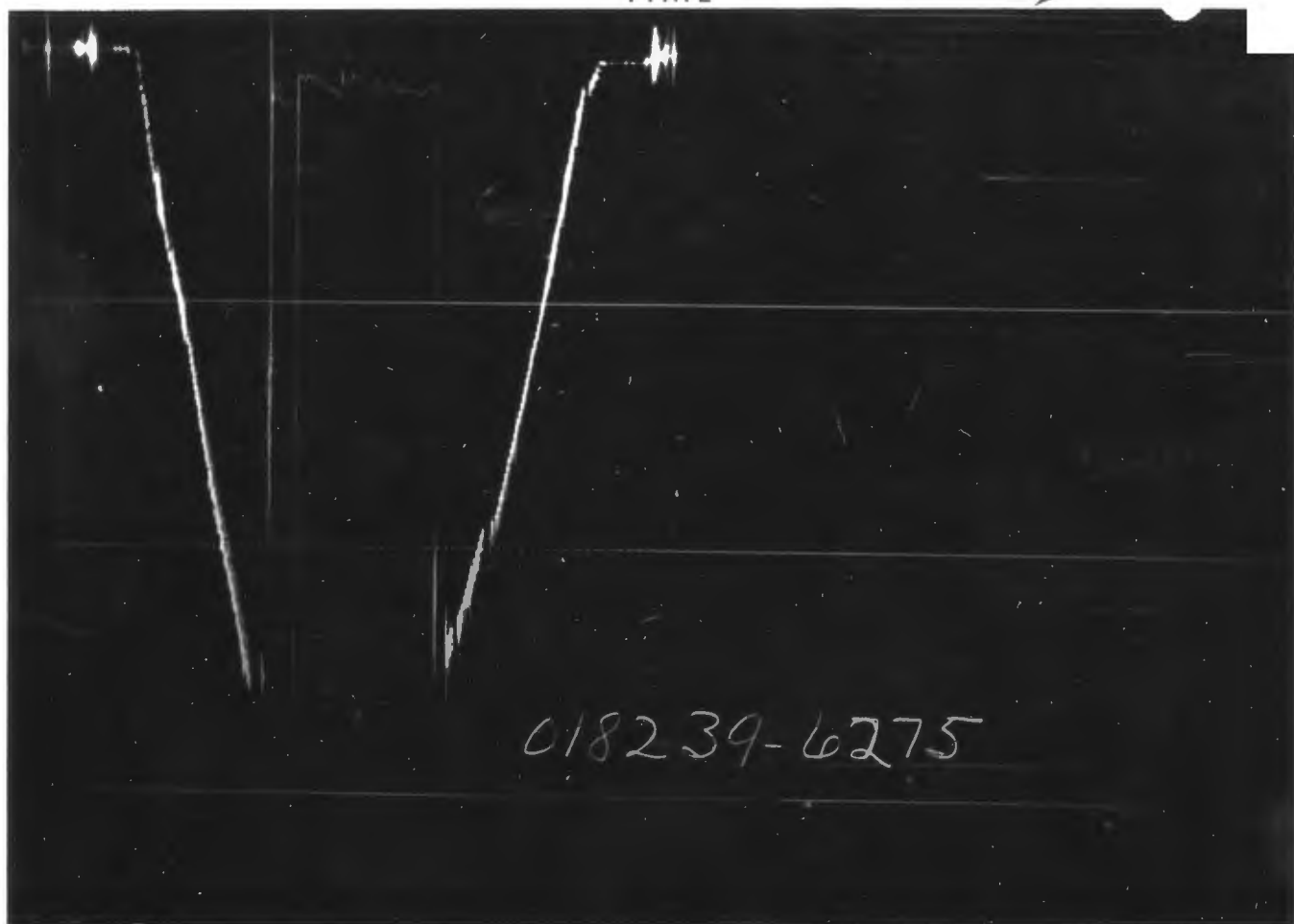
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	2.62"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4439'	
Drill Collars	6.25"	2.25"	248'	
Handling Sub & Choke Assembly	6.25"	2.25"	1'	
Dual CIP Valve	5.75"	.87"	6'	4694'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4699'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4701'
Hydraulic Jar	5"	1.50"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4716'
Distributor				
Packer Assembly	6.75"	1.53"	6'	4722'
Flush Joint Anchor	5"	2.36"	35'	
Pressure Equalizing Tube HT-500	5"	2.44"	2'	4760'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4762'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				4765'

PRESSURE



018239-6276

TIME



018239-6275

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

TEMPERATURE RECORDER CHART



10° each circle

- OF_3 = Theoretical Open Flow Potential with/Damage Removed Max. MCF/D
 OF_4 = 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
 Q_1 = 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.

WALKER

Lease Name

M-3

Well No.

1

Test No.

Tested Interval

TEXAS OIL & GAS CORPORATION

Lease Owner/Company Name

Legal Location
Sec. - TWP. - Rng.Field
Area

County

BARBER

State

KANSAS

FLUID SAMPLE DATA				Date 4-19-81		Ticket Number 018345	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of D.S.T. OPEN HOLE		Halliburton Location PRATT	
Recovery: Cu. Ft. Gas _____				Tester PUMPHREY		Witness VEECH	
cc. Oil _____				Drilling Contractor H-30 DRILLING COMPANY RIG # 5 sm			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Viola			
Tot. Liquid cc. _____				Elevation _____ Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval _____ Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 4765' Ft.			
Recovery Water _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ ° F. _____ ppm				Drill Collar Length 248' I.D. 2.25"			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length _____ I.D. 3.826"			
Mud Pit Sample _____ @ _____ ° F. 38,000 ppm				Packer Depth(s) _____ ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. 38,000 ppm				Depth Tester Valve _____ Ft.			
Mud Weight 9.7 vis 38 sec.							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		Bottom Choke 3/4"	
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks Unsuccessful test....had 50' of fill in hole.							
Attempted to test from 4722-4756'							
TEMPERATURE		Gauge No. 6276		Gauge No. 6275		Gauge No.	
Depth:		Ft.		Ft.		TIME (00:00-24:00 hrs.)	
12 Hour Clock		12 Hour Clock		12 Hour Clock		Tool	
Est. ° F.		Blanked Off NO		Blanked Off YES		Opened	
Actual ° F.		Pressures		Pressures		Opened Bypass	
		Field Office		Field Office		Reported Computed	
						Minutes Minutes	
Initial Hydrostatic							
First Period Flow Initial							
Flow Final							
Closed in		No readings available...failed					
Second Period Flow Initial							
Flow Final		to reach desired depth.					
Closed in							
Third Period Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic							

018345

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	2.625"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"		
Drill Collars	6.25"	2.25"	248'	
Handling Sub & Choke Assembly	6.25"	2.25"	1'	
Dual CIP Valve	5.75"	.87"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	
Hydraulic Jar	5"	1.50"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	
Distributor				
Packer Assembly	6.75"	1.53"	6'	
Flush Joint Anchor	5"	2.36"	35'	
Pressure Equalizing Tube - HT 500 temp	5"	2.44"	2'	
Blanked-Off B.T. Running Case	5"	2.44"	4'	
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				4765'