

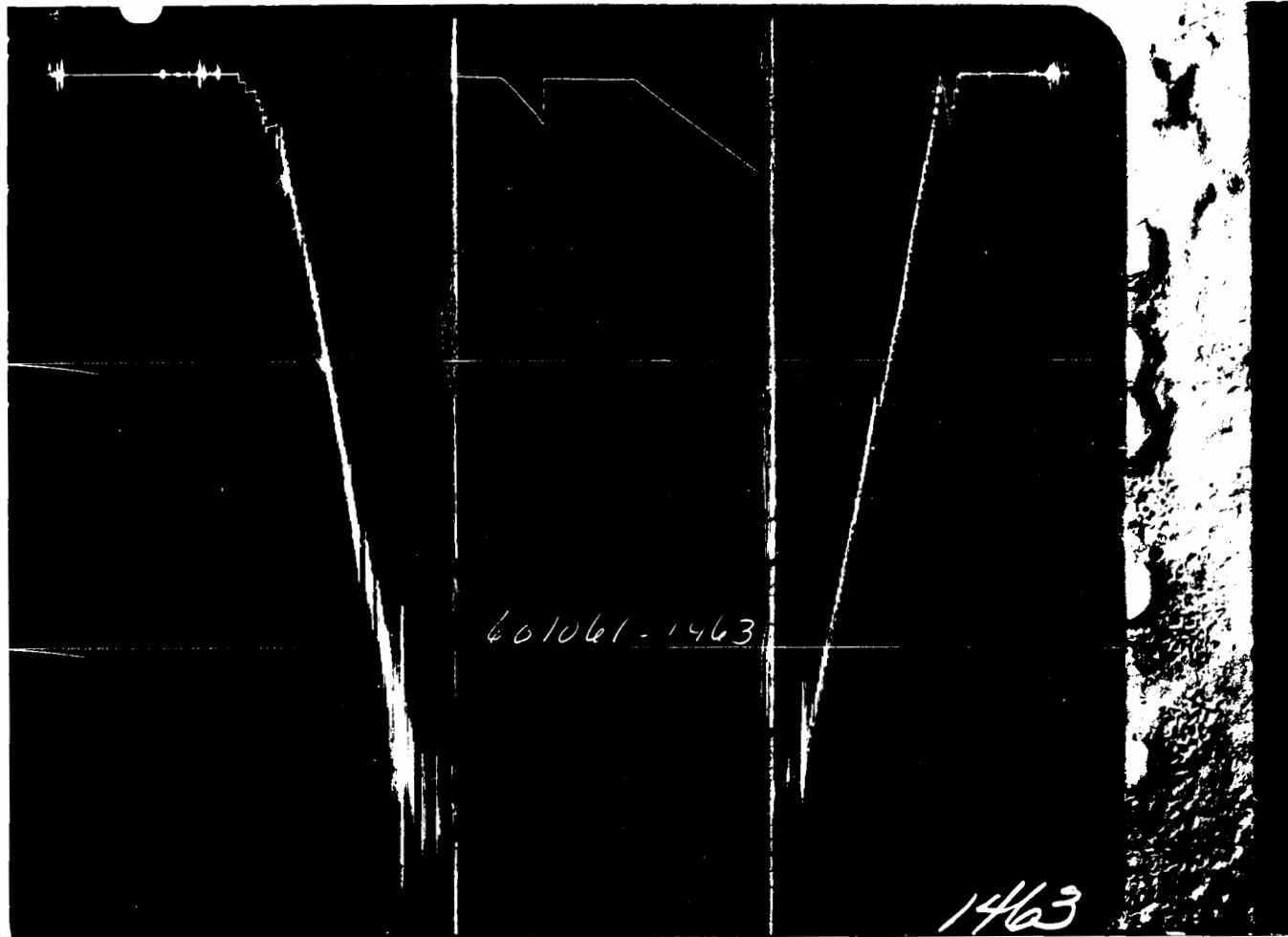
KANSAS
State

Lease Owner/Company Name

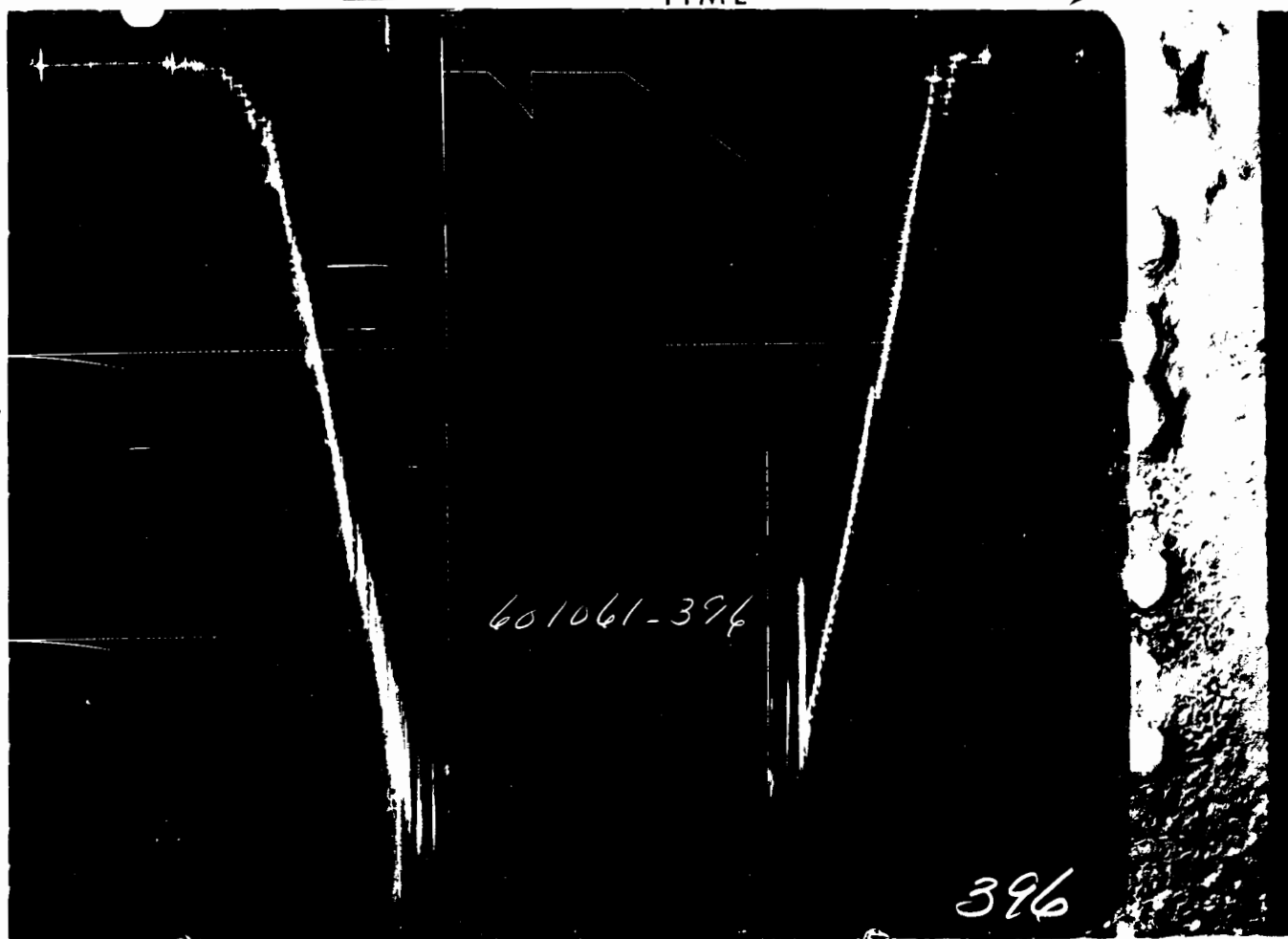


	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4448'	
Drill Collars	6"	2.25"	386.57'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4839'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	4844'
Hydraulic Jar	5"	1"	39.60"	
VR Safety Joint	5"	.87"	33"	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	60.20"	4857'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	4863'
Flush Joint Anchor	5"	2.37"		
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	61.63"	4887'
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 →



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

MC KINLEY "B"

Lease Name

Well No.

Test No.

Tested Interval

PETROLEUM INCORPORATED

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng. 2-28S20W/C SL of SW-SEField Area
Meo. From Tester ValveCounty
KIOWAState
KANSAS

FLUID SAMPLE DATA				Date 7-10-73		Ticket Number 601062	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District GREAT BEND	
Recovery: Cu. Ft. Gas _____				Tester MR. MOORE		Witness MR. FREEMAN	
cc. Oil _____				Drilling Contractor GARVEY DRILLING COMPANY		DR	
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Mississippi			
Tot. Liquid cc. _____				Elevation 2292' KB			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval _____ Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 4899' Ft.			
Recovery Water _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ ° F. _____ ppm				Drill Collar Length 386.57' I.D. 2.764' W ^P			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length 4474' I.D. 3.826"			
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Packer Depth(s) 4885'-4890' Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Depth Tester Valve 4867' Ft.			
Mud Weight 9.6 vis 47 cp							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 1/4" Bottom Choke 3/4"	
Recovered 15		Feet of drilling mud					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks Opened tool for 30 minute first flow with a weak blow. Slid tool 5' to bottom, blow decreased. Closed tool for 30 minute first closed in pressure. Reopened tool for 55 minute second flow with no blow, flush tool with a few bubbles and died. Closed tool for 30 minute second closed in pressure.							
UNABLE TO SCRIBE 3000# LINES ON BOTH CHARTS.							
TEMPERATURE		Gauge No. 1463		Gauge No. 396		Gauge No.	
		Depth: 4872 Ft.		Depth: 4894 Ft.		Depth: Ft.	
Est. 118 ° F.		12 Hour Clock		12 Hour Clock		Hour Clock	
		Blanked Off No		Blanked Off Yes		Blanked Off	
Actual ° F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		2492 2512 2525				Tool - A.M.	
Flow Initial		35 39 53				Opened 9:03 P.M.	
Flow Final		35 47 53				Tool A.M.	
Closed in		643 650 648				Closed 11:30 P.M.	
Flow Initial		38 39 53				Reported	
Flow Final		32 55 53				Minutes	
Closed in		128 141 143				Computed	
Flow Initial						Minutes	
Flow Final						Minutes	
Closed in							
Final Hydrostatic		2472 2512 2482					



	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	4474'	
Drill Collars	4½"	2.764"	386.57' WP	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4867'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	4872'
Hydraulic Jar	5"	1"	39.60"	
VR Safety Joint	5"	.87"	33"	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	60.20"	4885'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	4890'
Flush Joint Anchor	5"	2.37"	3'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	61.63'	4894'
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 —→

601062-1463

1463

601062-396

396

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

MC KINLEY "B"

Lease Name

1

3

4897 - 4909'

PETROLEUM INCORPORATED

Lease Owner/Company Name

Legal Location

2 28 S 20W C 3L OF SW SE

Field

County

KIOWA

State

KANSAS

FLUID SAMPLE DATA				Date 7-11-73		Ticket Number 601063	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District GREAT BEND	
Recovery: Cu. Ft. Gas _____				Tester L. MOORE		Witness DICK GRANT	
cc. Oil _____				Drilling Contractor GARVEY DRILLING COMPANY SM S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Mississippi			
Tot. Liquid cc. _____				Elevation 2292' KB 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 4909' Ft.			
Recovery Water _____ @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ °F.				Drill Collar Length 386.57' I.D. 2.25"			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Pipe Length 4483' I.D. 3.826"			
Mud Pit Sample _____ @ _____ °F.				Packer Depth(s) 4892- 4897' Ft.			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Depth Tester Valve 4875' Ft.			
Mud Weight 9.7 vis 50.4 cp							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 1/4" Bottom Choke 3/4"	
Recovered 10		Feet of drilling mud					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks Tool opened for 30 minute first flow with very weak blow. Closed tool for 30 minute first closed in pressure period. Tool reopened for 51 minute second flow with very weak blow for 40 minutes and dead. Closed tool for 79 minute second closed in pressure period. Unable to scribe 3000# line on both BT charts.							
TEMPERATURE		Gauge No. 1463		Gauge No. 396		Gauge No.	
		Depth: 4879 Ft.		Depth: 4904 Ft.		Depth: Ft.	
Est. 120 °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off n o		Blanked Off yes		Blanked Off		Tool Opened 4:07 P.M.	
Actual °F.		Pressures		Pressures		Tool Closed A.M. P.M.	
		Field Office		Field Office		Reported Computed	
Initial Hydrostatic -		2521 2552 2535				Minutes Minutes	
Flow Initial -		14 31 29					
Flow Final -		20 31 30				30 30	
Closed in -		1142 1144 1149				30 30	
Flow Initial -		25 39 41					
Flow Final -		29 47 41				50 51	
Closed in -		1211 1215 1221				80 79	
Flow Initial -							
Flow Final -							
Closed in -							
Final Hydrostatic -		2511 2528 2520					

Gauge No.		1463		Depth		4879'		Clock No.		??		12 hour		Ticket No.		601063					
First Flow Period		First Closed In Pressure				Second Flow Period				Second Closed In Pressure				Third Flow Period				Third Closed In Pressure			
Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	$\log \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	$\log \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.				
0	.0000	14		20			.0000		25			.0000		29							
1	.0347	17		53			.0710*		25			.0463**		64							
2	.0694	17		218			.1355		25			.0993		229							
3	.1041	17		503			.2000		27			.1523		604							
4	.1388	18		691			.2645		29			.2053		817							
5	.1735	19		817			.3290		29			.2583		940							
6	.2080	20		918								.3113		1027							
7				993								.3643		1091							
8				1054								.4174		1141							
9				1104								.4703		1181							
10				1142								.5230		1211							
11																					
12																					
13																					
14																					
15																					

Gauge No.		396		Depth		4904'		Clock No.		??		12 hour									
First Flow Period		First Closed In Pressure				Second Flow Period				Second Closed In Pressure				Third Flow Period				Third Closed In Pressure			
Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	$\log \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	$\log \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.						
0	.0000	29		30			.0000		41			.0000		41							
1	.2000	30		63			.0729*		36			.0470**		79							
2				217			.1392		37			.1007		265							
3				509			.2054		38			.1544		625							
4				688			.2717		40			.2081		826							
5				802			.3380		41			.2618		948							
6				908								.3155		1037							
7				990								.3692		1103							
8				1055								.4229		1152							
9				1105								.4766		1190							
10				1149								.5300		1221							
11																					
12																					
13																					
14																					
15																					
Reading Interval		5		3		10		8						Minutes							

REMARKS: *First interval is equal to 11 minutes. **7 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4483'	
Drill Callars	6"	2.25"	386.57'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4875'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	4879'
Hydraulic Jar	5"	1"	39.60"	
VR Safety Joint	5"	.87"	33"	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	60.20"	4892'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	4897'
Flush Joint Anchor	5"	2.37"	6'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	61.63"	4904'
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 →

601063 - 1463

601063 - 396

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