FLUID SAMPLE DATA

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
Recovery Water	@	°F.		ppm
Recovery Mud	@	°F.		ppm
Recovery Mud Filtrate	@	°F.		ppm
Mud Pit Sample	@	°F.		ppm
Mud Pit Sample Filtrate	@	°F.		ppm

Mud Weight 9.7 vis 62 cp

Date 12-26-75 Ticket Number 795253
Kind of Job OPEN HOLE Halliburton District HAYS
Tester S. KERNS Witness T. ELSTER
Drilling Contractor ABERCROMBIE DRILLING COMPANY # 10 sm

EQUIPMENT & HOLE DATA

Formation Tested Conglomerate sand
Elevation 1855' Kelly bushing Ft.
Net Productive Interval 4' Ft.
All Depths Measured From Kelly bushing
Total Depth 3344' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 827' I.D. 2.764" WP
Drill Pipe Length 2480' I.D. 3.826"
Packer Depth(s) 3328-3332' Ft.
Depth Tester Valve 3320' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1/4" Bottom Choke 3/4"

Recovered 40 Feet of clean oil
Recovered 435 Feet of heavy oil cut mud with free oil
Recovered 30 Feet of oil cut water
Recovered Feet of
Recovered Feet of
Remarks SEE PRODUCTION TEST DATA SHEET

Meas. From Tester Valve

TEMPERATURE	Gauge No. 738	Gauge No. 272	Gauge No.
	Depth: 3321 Ft.	Depth: 3340 Ft.	Depth: Ft.
Est. 100 °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	Reported Minutes	Computed Minutes
Initial Hydrostatic			1781	1848	1796				
First Period	Flow Initial		13	18	21			———	———
	Flow Final		136	134	141			60	61
	Closed in		975	980	981			60	60
Second Period	Flow Initial		143	143	149			———	———
	Flow Final		231	233	240			60	60
	Closed in		970	972	977			60	59
Third Period	Flow Initial							———	———
	Flow Final								
	Closed in								
Final Hydrostatic			1752	1821	1765			———	———

TIME
Tool AXXX
Opened 2130 P.M.
Opened A.M.
Bypass 0130 PXXX

Legal Location Sec. - Twp. - Rng. 22-15S -11W
Lease Name PERTL
Well No. 1
Test No. 1
Tested Interval 3332-3344'
Field Area
County RUSSELL
State KANSAS
Lease Owner/Company Name WILSON EXPLORATION & DEVELOPMENT INCORPORATED

FORM 181-R1—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Casing perfs._____ Bottom choke._____ Surf. temp._____ °F Ticket No. 795253

Gas gravity._____ Oil gravity._____ GOR_____

Spec. gravity._____ Chlorides._____ ppm Res._____ @_____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED_____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1600					Time called out
1800					On location at rig, circulating
					for DST # 1
1830					Started out of the hole with
					drill pipe.
1955					Picked up & made up tools.
2025					Tools thru rotary table
2127					On bottom with tools
2130					Opened tool with fair blow to good
					and increasing.
2230					Closed tool
2330					Opened tool with fair to good blow
					& increasing slowly
0030					Tool closed
0130					Off bottom with tools
0300					Tool thru rotary table
0320					Charts read
0410					Loaded tools onto truck
0415					Left location

FORM 182-R1—PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

Gauge No.	738	Depth	3321'	Clock No.	14280	12 hour	Ticket No.	795253

	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"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	13	.0000		136	.0000	143	.0000		231					
1	.0729*	38	.0270		911	.0690	155	.0209**		903					
2	.1391	58	.0540		931	.1380	170	.0487		926					
3	.2053	77	.0810		943	.2070	186	.0765		937					
4	.2715	99	.1080		949	.2760	202	.1043		945					
5	.3378	117	.1350		954	.3450	218	.1321		950					
6	.4040	136	.1620		958	.4140	231	.1599		954					
7			.1890		962			.1877		957					
8			.2160		964			.2155		959					
9			.2430		966			.2433		961					
10			.2700		968			.2711		963					
11			.2970		970			.2989		965					
12			.3240		971			.3267		966					
13			.3510		972			.3545		968					
14			.3780		974			.3823		969					
15			.4050		975			.4100		970					

Gauge No.	272		Depth	3340'	Clock No.	10288	hour	12

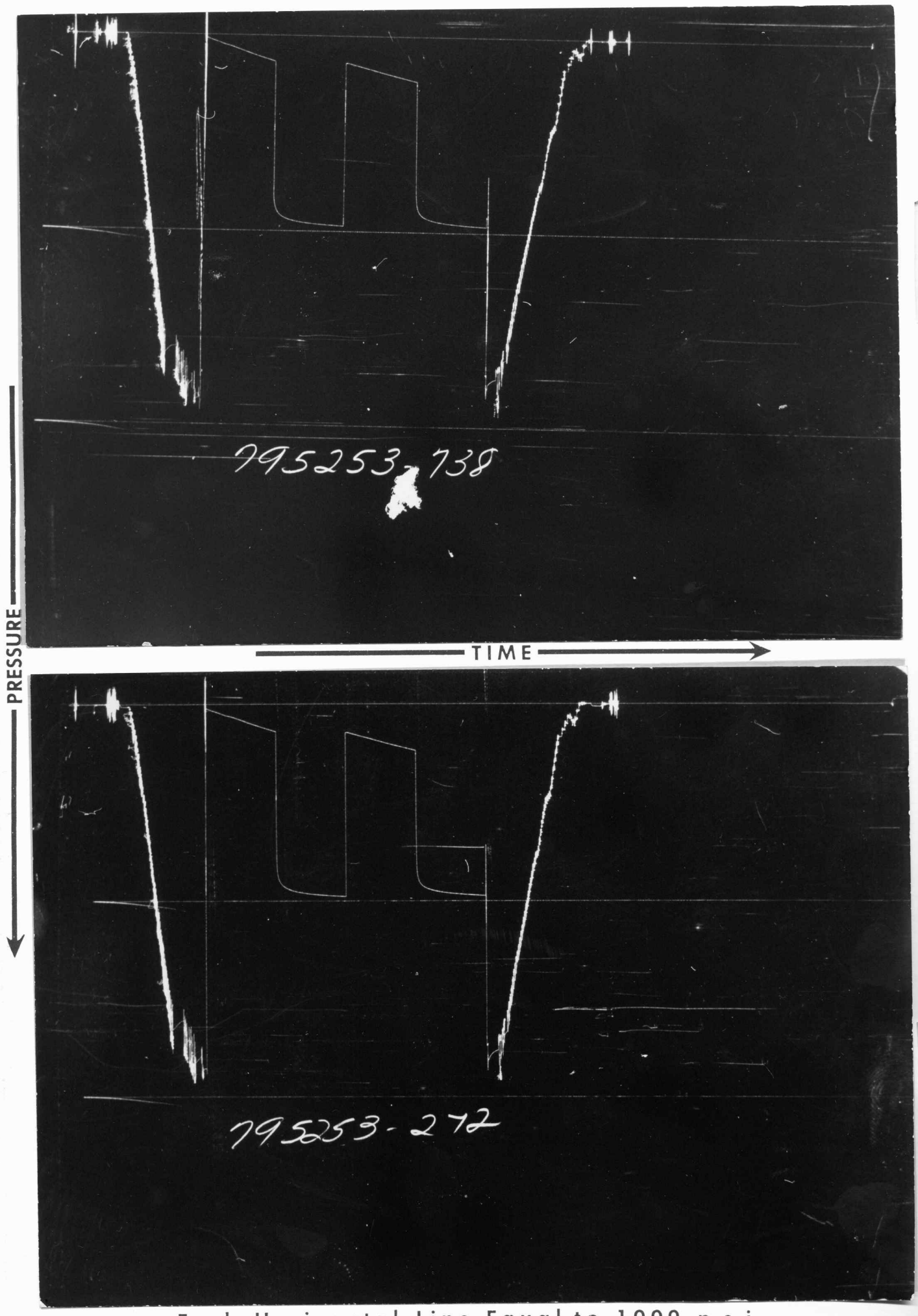
0	.000	21	.000		141	.000	149	.000		240					
1	.0734	44 *	.0268		916	.0675	162	.0203**		910					
2	.1401	64	.0536		938	.1350	178	.0475		934					
3	.2068	83	.0804		948	.2025	194	.0746		944					
4	.2736	105	.1072		956	.2700	210	.1017		951					
5	.3403	124	.1340		961	.3375	225	.1288		956					
6	.4070	141	.1608		965	.4050	240	.1559		960					
7			.1876		969			.1831		964					
8			.2144		971			.2102		965					
9			.2412		973			.2373		968					
10			.2680		975			.2644		970					
11			.2948		977			.2915		970					
12			.3216		979			.3187		973					
13			.3484		980			.3458		974					
14			.3752		980			.3729		976					
15			.4020		981			.4000		977					
Reading Interval		10		4			10		4						Minutes

REMARKS: *- 11 minutes **-3 minutes.

SPECIAL PRESSURE DATA

TICKET NO. 795253

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	2480'	
~~XXXXXXXX~~ Drill Collars WP	4.50"	2.764"	827'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	3315'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	3320'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	3321'
Hydraulic Jar				
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	4'	3328'
Distributor				
Packer Assembly	6 3/4"	1.53"	4'	3332'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.84"	12'	
Blanked-Off B.T. Running Case	5"	2.44"	4'	3340'
Total Depth				3344'



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