

15-191-20317

TIGHT

HOLE 14-32s-2E

FLUID SAMPLE DATA				Date 1-10-72		Ticket Number 404528	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District WINFIELD	
Recovery: Cu. Ft. Gas _____				Tester MR. DURHAM		Witness MR. BROOKS	
cc. Oil _____				Drilling Contractor WHITE & ELLIS DRILLING COMPANY IC S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Simpson Arbuckle			
Tot. Liquid cc. _____				Elevation 1185' KB Ft.			
Gravity 41 ° API @ 65 °F.				Net Productive Interval 13' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY				Total Depth 2923' Ft.			
CHLORIDE CONTENT				Main Hole/Casing Size 7 7/8"			
Recovery Water @ °F. ppm				Drill Collar Length 144' I.D. 2 1/4"			
Recovery Mud @ °F. ppm				Drill Pipe Length 2728' I.D. 3.826"			
Recovery Mud Filtrate @ °F. ppm				Packer Depth(s) 2906' Ft.			
Mud Pit Sample @ °F. ppm				Depth Tester Valve 2896' Ft.			
Mud Pit Sample Filtrate @ °F. ppm							
Mud Weight 10.0 vis 43 cp							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 1/4" Bottom Choke 3/4"	
Recovered		823 Feet of Gas in drill pipe					
Recovered		660 Feet of Clean oil					
Recovered		120 Feet of Heavy oil cut mud					
Recovered		Feet of					
Recovered		Feet of					
Remarks Opened tool for 15 minute first flow with a blow building to strong in 3 minutes.							
Closed tool for 29 minute initial closed in pressure. Reopened tool for 61 minute							
second flow with blow building to strong in 3 minutes and remaining strong for rest							
of test. Closed tool for 30 minute second closed in pressure.							
TEMPERATURE		Gauge No. 737		Gauge No. 397		Gauge No.	
Depth: 2900' Ft.		Depth: 2919' Ft.		Depth: Ft.		TIME	
Est. 104 °F.		12 Hour Clock		12 Hour Clock		Tool A.M.	
Blanked Off NO		Blanked Off YES		Blanked Off		Opened 6:15 P.M.	
Actual °F.		Pressures		Pressures		Tool A.M.	
		Pressures		Pressures		Closed 8:30 P.M.	
		Field Office		Field Office		Reported Computed	
		Field Office		Field Office		Minutes Minutes	
Initial Hydrostatic		1503		1515			
Flow Initial		21		38			
Flow Final		104		114		15 15	
Closed in		997		1000		30 29	
Flow Initial		103		129			
Flow Final		258		279		60 61	
Closed in		825		812		30 30	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		1495		1505			

Legal Location

Sec. - Twp. - Rng. 14 - 32S - 2E

SW/SE

Field Area

OXFORD

County

SUMNER

State

KANSAS

Lease Name

Well No. 5

Test No. 4

2906' - 2923'

Tested Interval

D. L. DONEY

Lease Owner/Company Name

Gauge No. 737			Depth 2900'			Clock No. 2803			12 hour			Ticket No. 404528		
First Flow Period			First Closed In Pressure			Second Flow Period			Second Closed In Pressure			Third Flow Period		
Time Defl. .000"	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.	
			$\text{Log } \frac{t + \theta}{\theta}$						$\text{Log } \frac{t + \theta}{\theta}$			$\text{Log } \frac{t + \theta}{\theta}$		
0	.000	21	.000	104		.000	118		.000	271				
1	.0196	55	.0203	749		.0666	147		.0202	582				
2	.0392	65	.0406	822		.1331	178		.0404	636				
3	.0588	76	.0609	864		.1997	202		.0606	673				
4	.0784	90	.0812	899		.2662	226		.0808	700				
5	.0980	104	.1015	924		.3328	247		.1010	724				
6			.1218	944		.4060	271**		.1212	744				
7			.1421	960					.1414	762				
8			.1624	975					.1616	778				
9			.1827	987					.1818	791				
10			.1960	995*					.2020	804				
11														
12														
13														
14														
15														

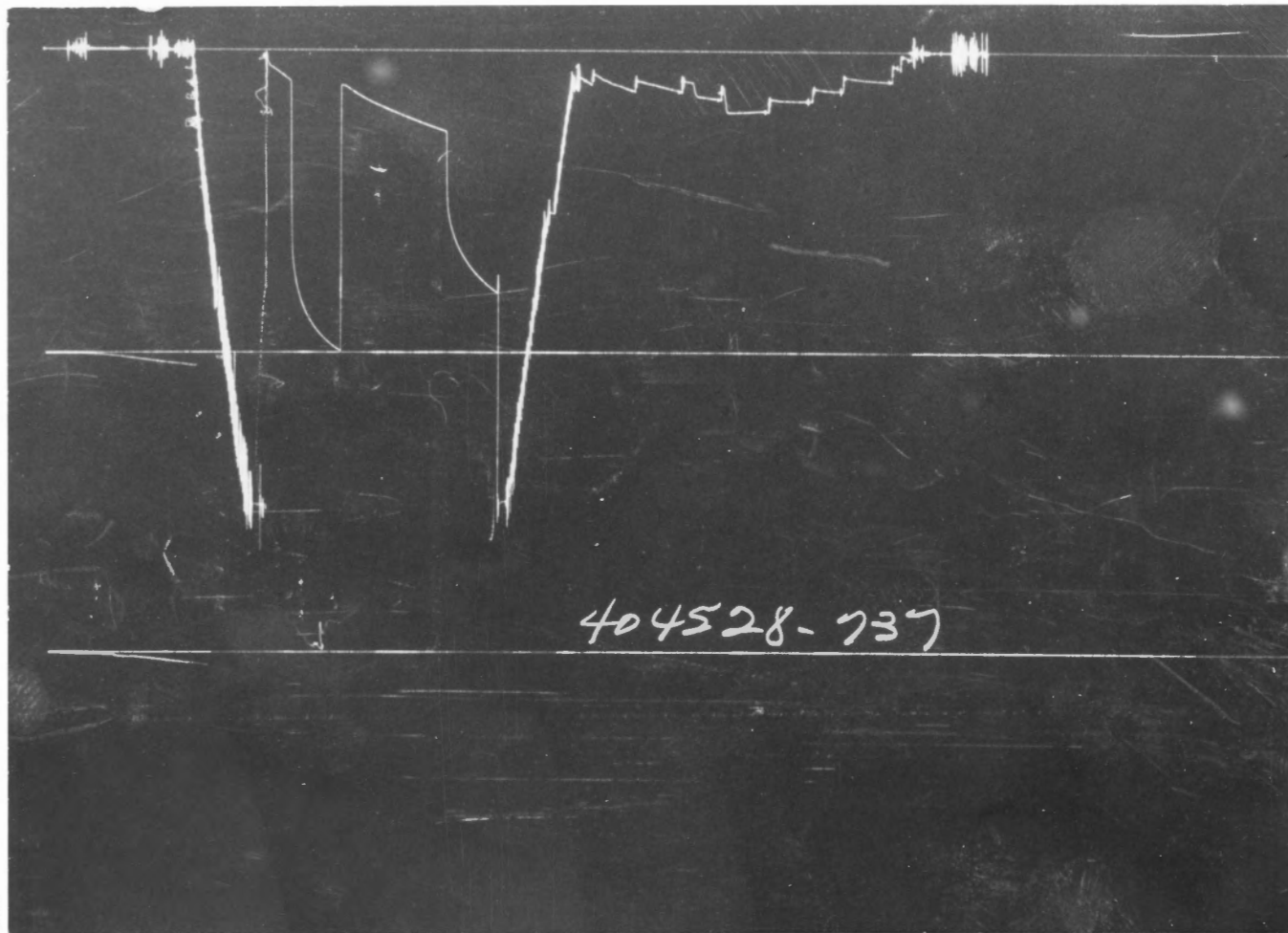
Gauge No. 397			Depth 2919'			Clock No. 3121			12 hour					
First Flow Period			First Closed In Pressure			Second Flow Period			Second Closed In Pressure			Third Flow Period		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	PSIG Temp. Corr.	
			$\text{Log } \frac{t + \theta}{\theta}$						$\text{Log } \frac{t + \theta}{\theta}$			$\text{Log } \frac{t + \theta}{\theta}$		
0	.000	38	.000	114		.000	129		.000	279				
1	.020	66	.0206	765		.068	158		.0205	596				
2	.040	77	.0412	832		.136	188		.0410	644				
3	.060	89	.0618	876		.204	213		.0615	680				
4	.080	101	.0824	910		.272	236		.0820	709				
5	.100	114	.1030	934		.340	258		.1025	733				
6			.1236	954		.415	279**		.1230	754				
7			.1442	969					.1435	772				
8			.1648	981					.1640	788				
9			.1854	993					.1845	801				
10			.1990	1000*					.2050	812				
11														
12														
13														
14														
15														
Reading Interval 3			3			10			3			Minutes		

REMARKS: *Last interval equal to 2 minutes **Last interval equal to 11 minutes

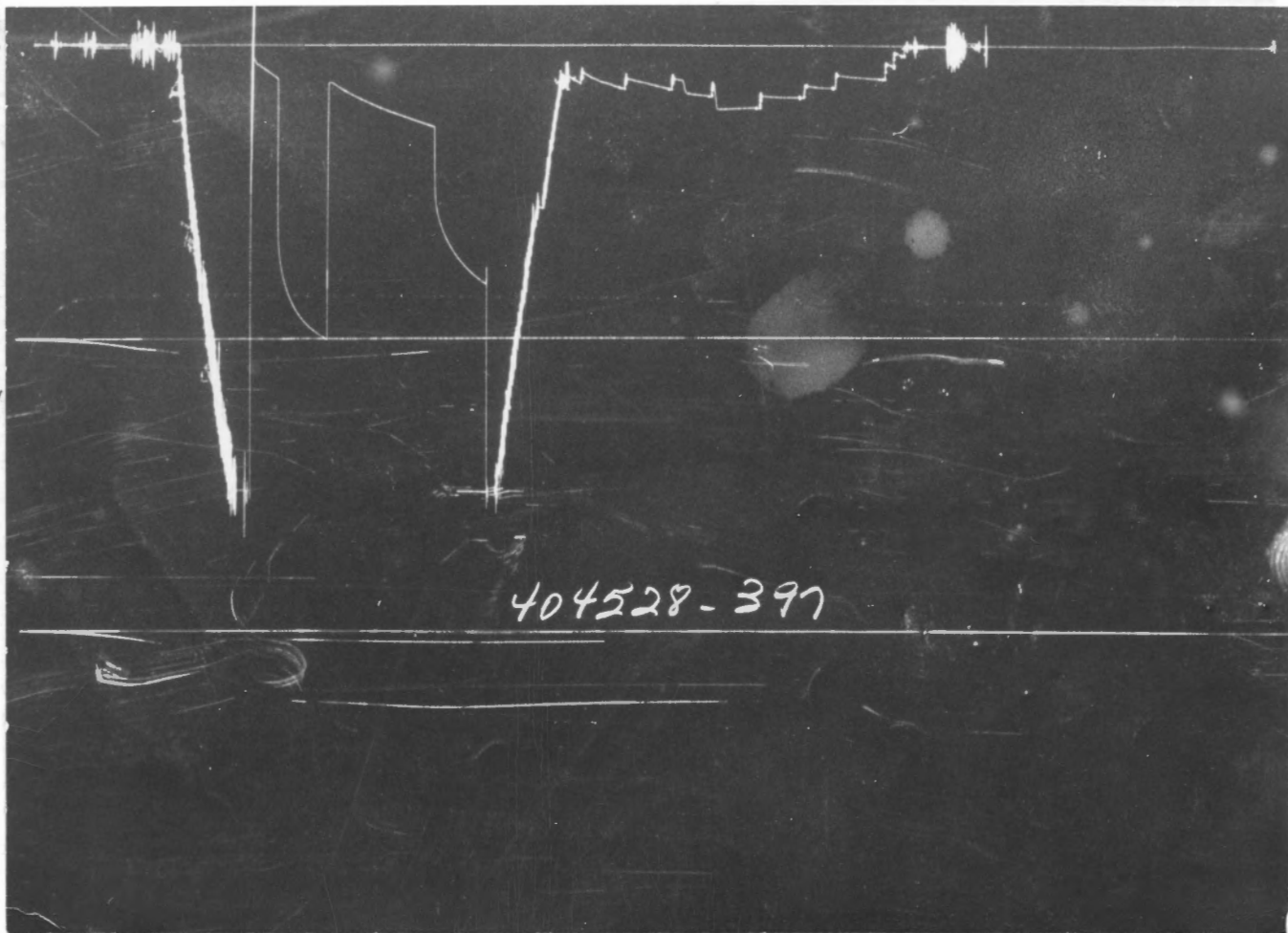


	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 3/4"	2 3/4"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2728'	
Drill Collars	6 1/4"	2 1/4"	144'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	3/4"	4'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2896'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2900'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2906'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2 1/4"	13'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2919'
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.