

ALLEN MEMORIAL HOSPITAL  
 SE, NW, NW Sec. 32-255-5E, BATH-  
 1 Kansas (El Dorado)  
 2446 - 2454'

CITIES SERVICE OIL COMPANY  
 Lease Owner/Company Name

Legal Location Sec. - Twp. - Rng. 32 25 S SE  
 Well No. 1  
 Test No. 1  
 Tested Interval  
 Field Area EL DORADO  
 County BUTLER  
 State KANSAS

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.	
Recovery Water _____ @ _____ °F. _____ ppm	RESISTIVITY CHLORIDE CONTENT
Recovery Mud _____ @ _____ °F.	
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm	
Mud Pit Sample _____ @ _____ °F.	
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm	
Mud Weight 9.8 vis 41 cp	

Date 12-14-72	Ticket Number 676831
Kind of Job OPEN HOLE	Halliburton District EL DORADO
Tester W. GASPERSON	Witness HANK PERCELL
Drilling Contractor WHITE & ELLIS DRILLING INCORPORATED	ISM S

EQUIPMENT & HOLE DATA	
Formation Tested Viola	
Elevation 1362' GL	Ft.
Net Productive Interval 8'	Ft.
All Depths Measured From 1367' KB	
Total Depth 2454'	Ft.
Main Hole/Casing Size 7 7/8"	
Drill Collar Length 201' I.D. 2 1/4"	
Drill Pipe Length 1217' WP= 1006' I.D. 3.826-WP=2.764"	
Packer Depth(s) 2446'	Ft.
Depth Tester Valve 2439'	Ft.

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

Recovered	Amount	Description
30	Feet of	gas in drill pipe
165	Feet of	gassy oil
30	Feet of	heavy oil cut mud
30	Feet of	thin mud
Recovered	Feet of	

Remarks Tool opened for 29 minute first flow with a good blow throughout.  
 Closed tool for 31 minute first closed in pressure. Tool reopened  
 for 64 minute second flow with a good blow throughout. Closed  
 tool for 31 minute second closed in pressure.

TEMPERATURE	Gauge No. 537		Gauge No. 291		Gauge No.		TIME
	Depth: 2441 Ft.	Depth: 2450 Ft.	Depth: Ft.	Depth: Ft.	Depth: Ft.		
Est. 90 °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.M.
	Blanked Off no		Blanked Off yes		Blanked Off		Opened 7:40 P.M.
Actual °F.	Pressures		Pressures		Pressures		Tool A.M.
	Field	Office	Field	Office	Field	Office	Closed 10:15 P.M.
Initial Hydrostatic	1223	1274	-	1282			Reported Minutes
First Period Flow	Initial	10	5	16			Computed Minutes
	Final	39	34	42			30 29
	Closed in	493	491	500			30 31
Second Period Flow	Initial	39	40	49			
	Final	86	84	93			65 64
	Closed in	486	484	491			30 31
Third Period Flow	Initial						
	Final						
Closed in							
Final Hydrostatic	-	1248	-	1259			

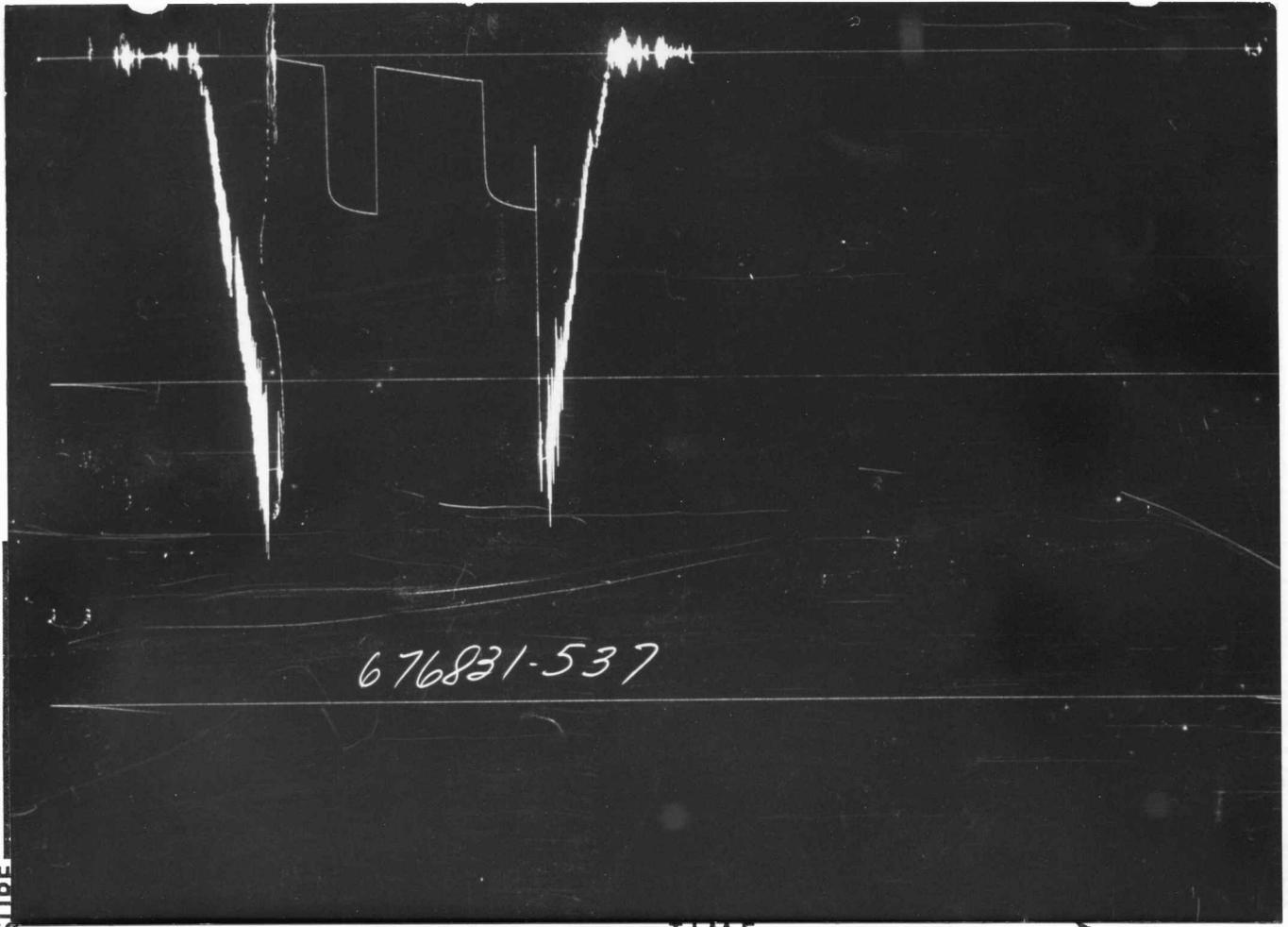
Gauge No. 537		Depth 2441'		Clock No. 3803		12 hour Ticket No. 676831							
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period		Third Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	5		34	.0000		40	.0000		84	.0000		
1	.0272*	11	.0266*	439	.053		43	.0267*		431	.0267*		
2	.0612	16	.0465	458	.106		49	.0467		447	.0467		
3	.0952	20	.0664	466	.159		56	.0667		457	.0667		
4	.1292	25	.0863	474	.212		62	.0867		463	.0867		
5	.1632	29	.1062	478	.265		68	.1067		468	.1067		
6	.1970	34	.1261	483	.318		74	.1267		473	.1267		
7			.1460	486	.371		81	.1467		476	.1467		
8			.1659	488	.424		84	.1667		478	.1667		
9			.1858	490				.1867		481	.1867		
10			.2060	491				.2070		484	.2070		
11													
12													
13													
14													
15													

Gauge No. 291		Depth 2450'		Clock No. 2271		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"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	16	.0000	42	.0000		49	.0000		93	.0000		
1	.0268*	20	.0267*	452	.0541		52	.0270*		441	.0270*		
2	.0602	25	.0467	467	.1082		58	.0472		456	.0472		
3	.0936	29	.0667	477	.1623		65	.0674		465	.0674		
4	.1270	34	.0867	482	.2164		71	.0876		471	.0876		
5	.1604	38	.1067	487	.2705		77	.1078		477	.1078		
6	.1940	42	.1267	491	.3246		84	.1280		480	.1280		
7			.1467	494	.3787		89	.1482		484	.1482		
8			.1667	496	.4330		93	.1684		487	.1684		
9			.1867	498				.1886		489	.1886		
10			.2070	500				.2090		491	.2090		
11													
12													
13													
14													
15													
Reading Interval	5		3		8						3		Minutes

REMARKS: \*First interval is equal to 4 minutes.

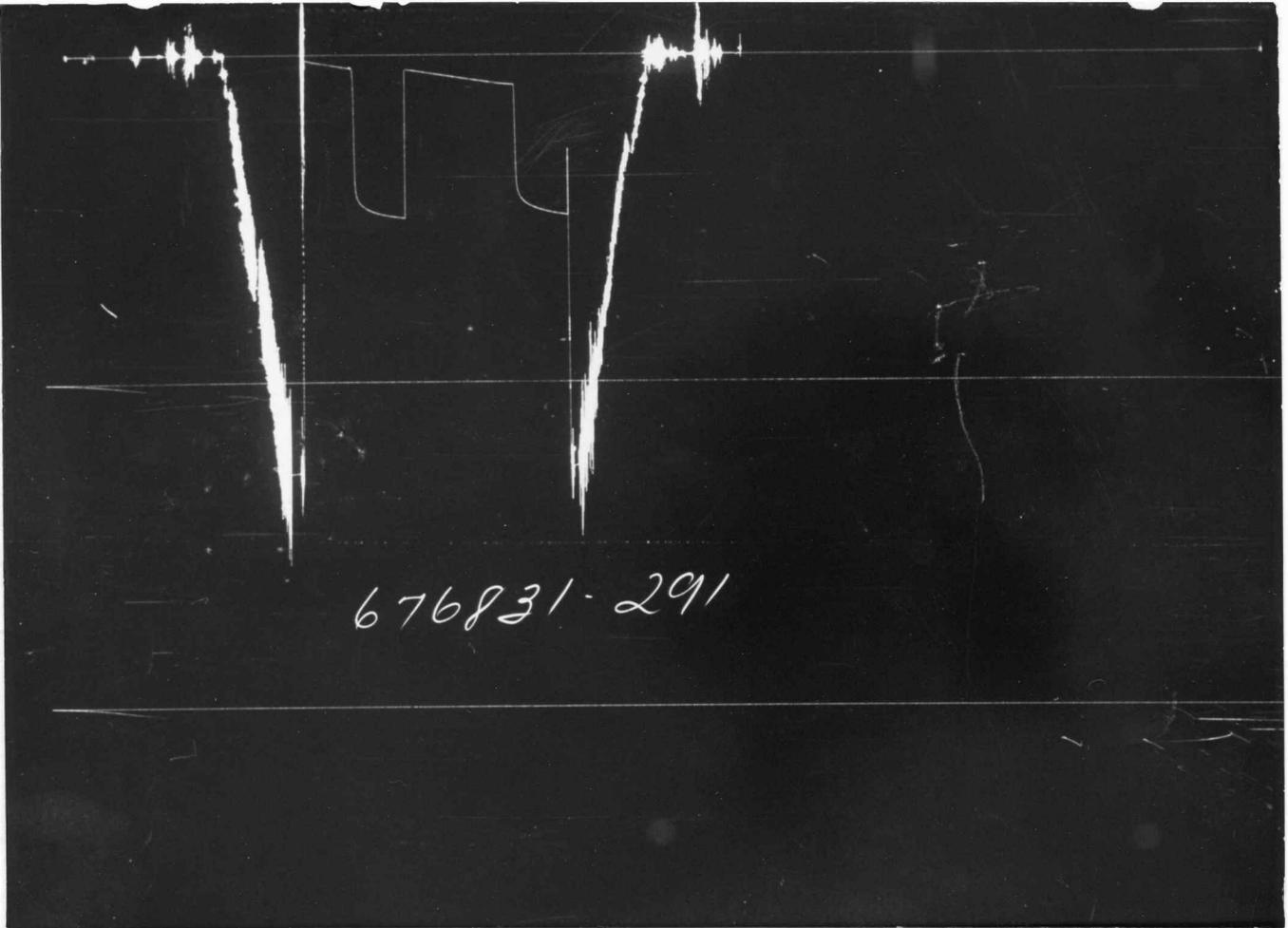


	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	2.764"	1006'	Weight Pipe
Drill Collars	6"	2 1/4"	201'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	2439'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.75"	4'	2441'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	5"	1"	4'	2446'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	3.84"	4'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2.75"	4'	2450'
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.