

State	KANSAS
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LITTLE'S 96671 10M 8/74

Casing perms. _____ Bottom choke 3/4" Surf. temp 55 °F Ticket No. 792692
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED Merla Orifice Gas Testing Device

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1225						Made up tool.
1240						Tool in rotary table.
1255						Tool through rotary table.
1413						Tool on bottom.
1415						Tool opened with a strong blow.
1418						Opened flow line with 3/4" choke.
1432						Gas to surface in 17 minutes.
1434		1/4	1	8.95		Installed 1/4" choke in flow line.
1440		"	3	15.7		
1445		"	3 1/2	17.1		Closed tool.
1515						Opened tool with a strong blow.
1520		"	9	29.0		
1530		"	9 1/2	29.9		
1545		"	10	30.8		
1600		"	10	30.8		
1615		"	10	30.8		
1630		"	11	32.4		
1645		"	11 1/2	33.2		Closed tool.
1745						Off bottom.
1930						Tool in table.

Gauge No. 1831				Depth 4364		Clock No. 14118				12 hour		Ticket No. 792692		
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.
0	.0000	43		.0000		52		.0000		183				
1	.0327	49		.0133		691		.1074*		833				
2	.0653	45		.0267		949		.2081		1021				
3	.0980	40		.0400		1062		.3088		1097				
4	.1307	44		.0533		1122		.4096		1138				
5	.1634	49		.0667		1159		.5103		1165				
6	.1960	52		.0800		1188		.6110		1187				
7				.0933		1207				1203				
8				.1066		1223				1216				
9				.1200		1237				1226				
10				.1333		1248				1235				
11				.1466		1257				1243				
12				.1600		1266				1249				
13				.1733		1271				1255				
14				.1866		1277				1260				
15				.2000		1283				1264				

Gauge No. 1830			Depth 4380		Clock No. 2486		12 hour		
0	.0000	161	.0000	312	.0000	200	.0000	298	
1	.2000	312	.0132	727	.6100	298	.2018**	831	
2	PLUGGING		.0264	958	PLUGGING		.0471	1030	
3			.0396	1059			.0740	1099	
4			.0528	1117			.1009	1141	
5			.0660	1160			.1278	1169	
6			.0792	1186			.1547	1188	
7			.0924	1208			.1816	1205	
8			.1056	1225			.2086	1218	
9			.1188	1240			.2355	1229	
10			.1320	1251			.2624	1237	
11			.1452	1261			.2893	1245	
12			.1584	1268			.3162	1252	
13			.1716	1275			.3431	1258	
14			.1848	1281			.3700	1263	
15			.1980	1285			.3970	1267	
Reading Interval		5		2		15		4	Minutes

REMARKS: * - first interval is equal to 16 minutes, ** - 3 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 5/8"	2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4295'	
Drill Collars	6"	2.25"	57'	
Double Pin Sub	5"	2"	1'	
Pressure Equalizing Crossover	5"	1.87"	5'	4354'
Dual CIP Valve				
Dual CIP Sampler	5"	3/4"	5'	4359'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4364'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	4372'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2.37"	6'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2.44"	4'	4380'
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				4384'

