

FLUID SAMPLE DATA				Date 2-6-81		Ticket Number 915411	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity <u>38</u> ° API @ <u>60</u> °F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of D.S.T. OPEN HOLE		Halliburton Location PRATT	
				Tester W. BRUCE		Witness B. SLADEK	
				Drilling Contractor SLAWSON DRILLING # 5		DR	
EQUIPMENT & HOLE DATA							
				Formation Tested Toronto			
				Elevation <u>1758'</u> GL _____ Ft.			
				Net Productive Interval _____ Ft.			
				All Depths Measured From Kelly Bushing			
				Total Depth <u>4290'</u> _____ Ft.			
				Main Hole/Casing Size <u>7 7/8"</u>			
				Drill Collar Length <u>435'</u> I.D. <u>2.25"</u>			
				Drill Pipe Length <u>3784'</u> I.D. <u>3.826"</u>			
				Packer Depth(s) <u>4252-4258'</u> _____ Ft.			
				Depth Tester Valve <u>4235'</u> _____ Ft.			
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		Bottom Choke <u>3/4"</u>	
Recovered <u>1152</u>		Feet of gassy free oil (37° gravity @ 50°F.)					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks <u>See production test data sheet</u>							
TEMPERATURE		Gauge No. <u>1717</u>		Gauge No. <u>1715</u>		Gauge No. _____	
		Depth: <u>4237</u> Ft.		Depth: <u>4287</u> Ft.		Depth: _____ Ft.	
Calc.		<u>12</u> Hour Clock		<u>12</u> Hour Clock		Hour Clock	
Est. <u>110</u> °F.		Blanked Off <u>NO</u>		Blanked Off <u>YES</u>		Blanked Off _____	
Actual °F.		Pressures		Pressures		Pressures	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic			<u>2127.5</u>	<u>2153</u>	<u>2135.9</u>		
First Period	Flow	Initial	<u>97.9</u>	<u>136</u>	<u>155.0</u>		
		Final	<u>189.1</u>	<u>203</u>	<u>191.5</u>		
		Closed in	<u>1644.3</u>	<u>1654</u>	<u>1653.5</u>		
Second Period	Flow	Initial	<u>278.7</u>	<u>203</u>	<u>291.5</u>		
		Final	<u>377.5</u>	<u>390</u>	<u>380.5</u>		
		Closed in	<u>1644.3</u>	<u>1654</u>	<u>1652.6</u>		
Third Period	Flow	Initial					
		Final					
		Closed in					
Final Hydrostatic			<u>2071.5</u>	<u>2083</u>	<u>2080.8</u>		

Legal Location Sec. - Twp. - Rng. **22-34-21W**

Well No. **2**

Test No. **2**

Tested Interval **4258-4290'**

County **CLARK**

State **KANSAS**

BARBY-HARPER

2-22

Lease Owner/Company Name **RINE DRILLING COMPANY**

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 915411
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

Gauge No.		1717		Depth		4237'		Clock No.		3228		12 hour		Ticket No.		915411	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0 .000	97.9	.000		.000	189.1	.000		.000		.000							
1 .0333	126.6	.0067*		.0472**	445.9	.0472**		.0815***		.0815***							
2 .0667	126.6	.0268		.1145	1420.6	.1145		.1223		.1223							
3 .1000	141.0	.0469		.1819	1516.3	.1819		.1630		.1630							
4 .1333	162.1	.0670		.2493	1560.9	.2493		.2038		.2038							
5 .1667	177.3	.0871		.3166	1586.7	.3166		.2445		.2445							
6 .2000	189.1	.1071		.3840	1604.8	.3840		.2853		.2853							
7		.1272			1615.9			.3260		.3260							
8		.1473			1624.5			.3668		.3668							
9		.1674			1629.7			.4075		.4075							
10		.1875			1634.0			.4483		.4483							
11		.2076			1636.5			.4890		.4890							
12		.2277			1640.0			.5298		.5298							
13		.2478			1640.8			.5705		.5705							
14		.2679			1642.6			.6113		.6113							
15		.2880			1644.3			.6520		.6520							

Gauge No.		1715		Depth		4287'		Clock No.		3095		hour		12	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$
0 .000	155.0	.000		.000	191.5	.000		.000		.000					
1 .0333	133.0	.0068*		.0469**	408.4	.0469**		.0821***		.0821***					
2 .0667	128.8	.0272		.1139	1432.9	.1139		.1232		.1232					
3 .0999	143.2	.0475		.1809	1524.8	.1809		.1643		.1643					
4 .1333	162.7	.0679		.2480	1569.4	.2480		.2053		.2053					
5 .1667	177.9	.0883		.3150	1597.7	.3150		.2464		.2464					
6 .2000	191.5	.1087		.3820	1613.2	.3820		.2874		.2874					
7		.1290			1626.0			.3285		.3285					
8		.1494			1632.9			.3696		.3696					
9		.1698			1638.9			.4106		.4106					
10		.1901			1642.3			.4517		.4517					
11		.2105			1645.7			.4928		.4928					
12		.2309			1647.5			.5338		.5338					
13		.2513			1650.0			.5749		.5749					
14		.2716			1651.7			.6159		.6159					
15		.2920			1653.5			.6570		.6570					

Reading Interval		5		3		10		6		Minutes	

REMARKS: * -1 minute ** -7 minutes *** -12 minutes



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	2.75"	1'	
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	3784'	
Drill Collars	6"	2.25"	435'	
Handling Sub & Choke Assembly	5"	2"	6' Drill Pipe	
Dual CIP Valve	5"	.87"	5'	4230'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75 "	5'	4235'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4237'
Hydraulic Jar	5"	1.5"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4252'
Distributor				
Packer Assembly	6.75"	1.55"	6'	4258'
Flush Joint Anchor	5"	2.37"	26'	
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				
Blanked-Off B.T. Running Case	5"	2.44"	4'	4287'
Total Depth				4290'

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

