

FLUID SAMPLE DATA				Date	Ticket Number		
Sampler Pressure <u>49</u> P.S.I.G. at Surface				6-14-81	164044		
Recovery: Cu. Ft. Gas <u>.275</u>				Kind of D.S.T. <u>OPEN HOLE</u>	Halliburton Location <u>LIBERAL</u>		
cc. Oil <u>1200</u>				Tester <u>GREENWOOD</u>	Witness <u>YOUNG</u>		
cc. Water <u>250</u>				Drilling Contractor <u>BOREDCO DRILLING COMPANY SM</u>			
cc. Mud <u>250</u>				EQUIPMENT & HOLE DATA			
Tot. Liquid cc. <u>1700</u>				Formation Tested <u>Toronto</u>			
Gravity <u>38.8</u> API @ <u>60</u> °F.				Elevation <u>1813' Kelly bushing</u> Ft.			
Gas/Oil Ratio <u>36.38/1</u> cu. ft./bbl.				Net Productive Interval <u>20'</u> Ft.			
RESISTIVITY @ <u>72</u> °F. <u>19072</u> ppm				All Depths Measured From <u>Kelly bushing</u>			
Recovery Water <u>.240</u>				Total Depth <u>4341'</u> Ft.			
Recovery Mud <u>.360</u> @ <u>70</u> °F. <u>12715</u> ppm				Main Hole/Casing Size <u>7 7/8"</u>			
Recovery Mud Filtrate @ °F. ppm				Drill Collar Length <u>240'</u> I.D. <u>2.25"</u>			
Mud Pit Sample @ °F. ppm				Drill Pipe Length <u>4030'</u> I.D. <u>3.826"</u>			
Mud Pit Sample Filtrate @ °F. ppm				Packer Depth(s) <u>4297-4303'</u> Ft.			
Mud Weight <u>9.3</u> vis <u>45</u> sec.				Depth Tester Valve <u>4280'</u> Ft.			
Cushion		TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke	
Recovered			<u>45</u>		<u>.625"</u>	<u>750"</u>	
Feet of <u>slightly gas cut mud with oil spots</u>							
Recovered			<u>130</u>	Feet of <u>heavily gas cut oil, slightly mud cut</u>			
Recovered				Feet of			
Recovered				Feet of			
Recovered				Feet of			
Remarks <u>SEE PRODUCTION TEST DATA SHEET.</u>							
<u>*See attached incremental pressure sheet.</u>							
<u>PH of sampler water - 6.9.</u>							
TEMPERATURE		Gauge No. <u>7503</u>	Gauge No. <u>7502</u>	Gauge No.	TIME (00:00-24:00 hrs.)		
Depth:		<u>4282</u> Ft.	<u>4338</u> Ft.	Depth:			
Est. °F.		<u>12</u> Hour Clock	<u>12</u> Hour Clock	Hour Clock	Tool Opened <u>1846</u>		
		Blanked Off <u>NO</u>	Blanked Off <u>YES</u>	Blanked Off	Opened Bypass <u>2246</u>		
<u>4336</u>		Pressures		Pressures		Reported	
Actual <u>112</u> °F.		Field	Office	Field	Office	Minutes	Computed
Initial Hydrostatic			<u>2033.9</u>	<u>2156.0</u>	<u>2059.5</u>		
First Period	Flow Initial		<u>9.0</u>	<u>29.0</u>	<u>36.0</u>		
	Flow Final		<u>41.5</u>	<u>74.0</u>	<u>66.6</u>	<u>30</u>	*
	Closed in		<u>889.8</u>	<u>913.2</u>	<u>918.2</u>	<u>60</u>	*
Second Period	Flow Initial		<u>53.8</u>	<u>74.0</u>	<u>73.6</u>		
	Flow Final		<u>73.6</u>	<u>99.7</u>	<u>98.1</u>	<u>60</u>	*
	Closed in		<u>973.2</u>	<u>984.0</u>	<u>1004.2</u>	<u>90</u>	*
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic			<u>2041.3</u>	<u>2104.6</u>	<u>2072.3</u>		

Legal Location Sec. Twp. - Rng. 27 34 21

Well No. 1-27

Field Area SOUTH SITKA

County CLARK

State KANSAS

Lease Owner/Company Name RINE DRILLING COMPANY

Tested Interval 4303' - 4341'

BARBY

Lease Name

1-27

Well No.

1

Test No.

4303' - 4341'

Tested Interval

RINE DRILLING COMPANY

Lease Owner/Company Name

Casing perms. \_\_\_\_\_ Bottom choke \_\_\_\_\_ Surf. temp \_\_\_\_\_ °F Ticket No. 164044  
 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
1230						Called out
1230						Requested
1515						On location, rig pulled pipe
1550						Began to pick up tool
1647						Tool in rotary, began trip in hole
1828						Rigged up head and flow line
1843						Tool on bottom
1846						Opened tool with weak blow which
						increased to bottom of bucket within
						10 minutes.
1916						Closed tool - no recovery to surface.
2016						Opened with moderate blow off bottom
						of bucket
2058						Blow died.
2116						Closed tool - no recovery to surface
2246						Pulled off bottom (one jar)
						complete wet plug agreement and
						provide wet plugs.
2309						Began trip out of hole
0135						Tool in rotary, broke same
0220						Read charts.

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RINE DRILLING COMPANY

164044

Lease Owner/Company Name

Ticket Number

B.T. 7503

B.T. 7502

B.T. \_\_\_\_\_

Depth 4282' - 12 Hour

Depth 4338' - 12 Hour

Depth \_\_\_\_\_

Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
FIRST FLOW PERIOD			FIRST FLOW PERIOD					
0		9.0	0		36.0			
5		28.4	5		55.5			
10		32.4	10		58.7			
15		35.3	15		61.9			
20		37.3	20		64.5			
25		39.1	25		66.2			
29.5		41.5	29.4		66.6			
FIRST CIP PERIOD			FIRST CIP PERIOD					
0		41.5	0		66.6			
6		103.2	6		133.4			
12		169.2	12		199.4			
18		237.7	18		269.8			
24		312.5	24		348.4			
30		401.6	30		436.5			
36		499.4	36		538.9			
42		607.3	42		646.8			
48		709.6	48		750.6			
54		801.4	54		839.4			
60.8		889.8	60.3		918.2			
SECOND FLOW PERIOD			SECOND FLOW PERIOD					
0		53.8	0		73.6			
10		57.9	10		82.3			
20		61.9	20		86.0			
30		64.3	30		89.9			
40		67.5	40		92.4			
50		69.9	50		95.2			
61.1		73.6	61.3		98.1			
SECOND CIP PERIOD			SECOND CIP PERIOD					
0		73.6	0		98.1			
9		147.9	9		181.2			
18		242.0	18		277.2			
27		360.3	27		399.7			
36		500.0	36		539.9			
45		639.1	45		676.7			
54		749.4	54		787.0			
63		829.1	63		866.6			
72		893.1	72		926.7			
81		940.3	81		973.6			
89.2		973.2	88.1		1004.2			

Remarks: \_\_\_\_\_