

CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 13939

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	210	100	210	0	0	0	0	0	0
PIPE 2	122	10	12.2	90	109.8	0	0	0	0
3	176	20	35.2	50	88	0	0	30	52.8
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
WEIGHT 1	0	0	0	0	0	0	0	0	0
PIPE 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
DRILL 1	242	20	48.4	50	121	0	0	30	72.6
COLLARS 2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
TOTAL	750	0	305.8	0	318.8	0	0	0	125.4

BBL OIL=	3.404406	*	HRS OPEN	1.5	=	BBL/DAY	54.470496
BBL WATER=	0	*			=		0
BBL MUD=	1.10583						
BBL GAS =	3.896904						

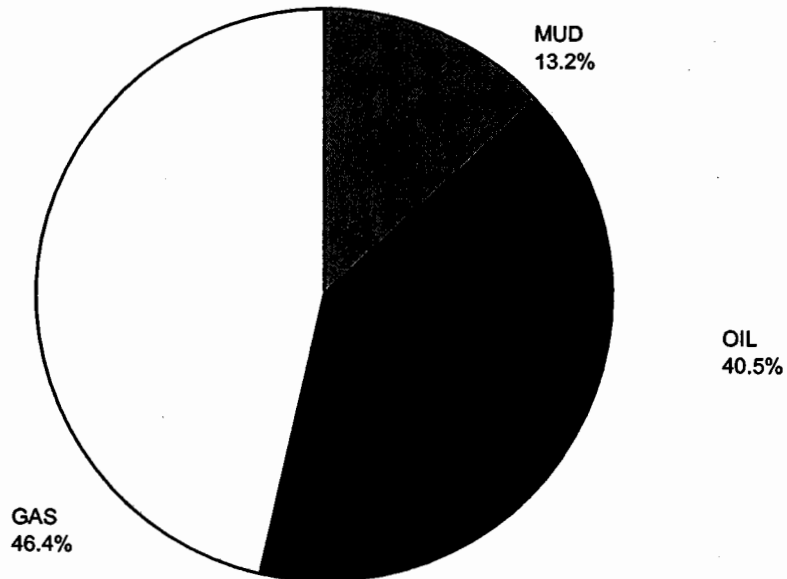
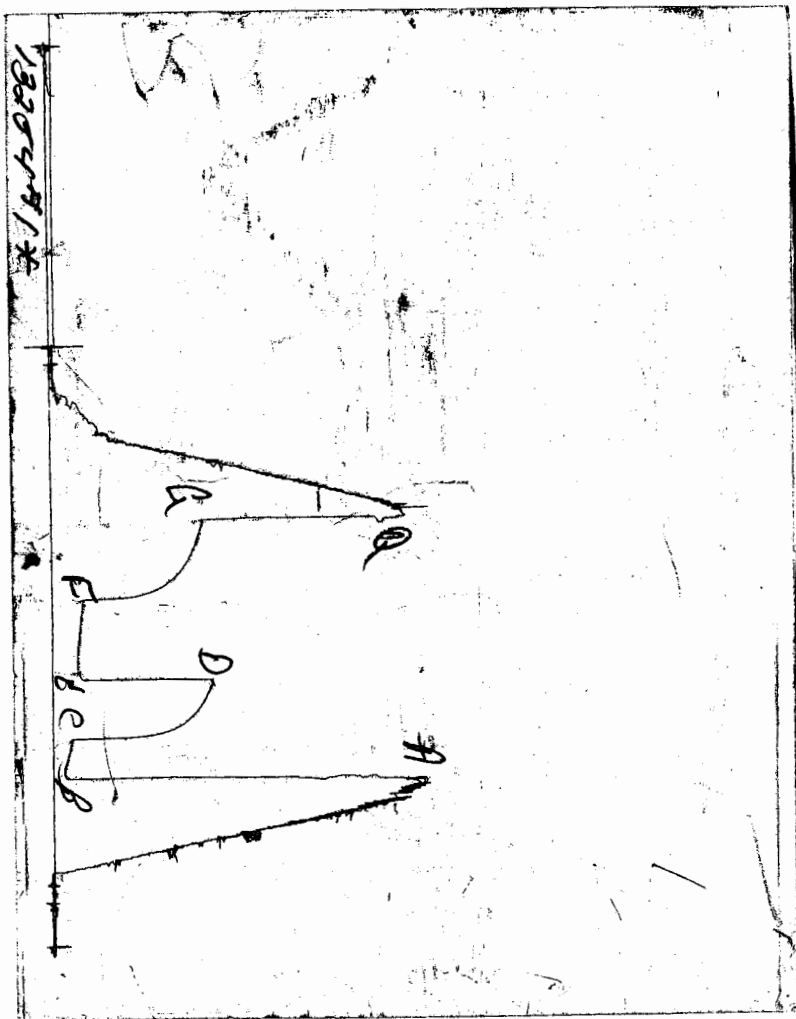


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13939

Test Ticket

Well Name & No. <u>Sargent #5</u>	Test No. <u>1</u>	Date <u>12-9-00</u>
Company <u>Pintail Petroleum, Ltd</u>	Zone Tested <u>Miss</u>	
Address <u>225 N. Market, Ste 100, Wichita, KS 67202</u>	Elevation <u>2445</u> KB <u>2440</u> GL	
Co. Rep / Geo. <u>Flip Phillips</u>	Cont. <u>Mallard</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>18</u>	Twp. <u>17</u>	Rge. <u>24</u> Co. <u>Ness</u> State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4330 - 4405</u>	Initial Str Wt./Lbs. <u>52,000</u>	Unseated Str Wt./Lbs. <u>55,000</u>
Anchor Length <u>75</u>	Wt. Set Lbs. <u>39,000</u>	Wt. Pulled Loose/Lbs. <u>69,000</u>
Top Packer Depth <u>4325</u>	Tool Weight <u>1000</u>	
Bottom Packer Depth <u>4330</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Total Depth <u>4405</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>242</u>
Mud Wt. <u>9.3</u> LCM <u> </u> Vis. <u>45</u> WL <u>10.8</u>	Drill Pipe Size <u>4.5 X 11</u>	Ft. Run <u>4146</u>

Blow Description I.F. Strong - B.O.B. in 15 min.
ISI - Bled off blow - blow came back as built to 1/4"
E.F. Strong - B.O.B. in 17 min.
ESE - Bled off blow - blow came back to 1/4"

Recovery — Total Feet <u>540</u>	GIP <u>210</u>	Ft. in DC <u>242</u>	Ft. in DP <u>298</u>
Rec. <u>122</u> Feet Of <u>CGSYO</u>	<u>10</u> %gas <u>90</u> %oil	%water <u> </u>	%mud <u> </u>
Rec. <u>418</u> Feet Of <u>mcGSYO</u>	<u>20</u> %gas <u>50</u> %oil	%water <u>30</u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u>	%water <u> </u>	%mud <u> </u>
BHT <u>118</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u>32</u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F	Chlorides <u> </u> ppm Recovery	Chlorides <u>3,000</u>	ppm System

(A) Initial Hydrostatic Mud <u>2289</u>	AK-1	Alpine	PSI Recorder No. <u>13254</u>	T-On Location <u>23:00</u> 2:10
(B) First Initial Flow Pressure <u>71</u>			PSI (depth) <u>4334</u>	T-Started <u>01:10</u>
(C) First Final Flow Pressure <u>130</u>			PSI Recorder No. <u>13248</u>	T-Open <u>02:47</u> 7:10
(D) Initial Shut-In Pressure <u>992</u>			PSI (depth) <u>4402</u>	T-Pulled <u>06:02</u>
(E) Second Initial Flow Pressure <u>154</u>			PSI Recorder No. <u> </u>	T-Out <u>08:20</u>
(F) Second Final Flow Pressure <u>201</u>			PSI (depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure <u>922</u>			PSI Initial Opening <u>30</u>	Test <u>800</u>
(Q) Final Hydrostatic Mud <u>2161</u>			PSI Initial Shut-in <u>45</u>	Jars <u> </u>
			Final Flow <u>60</u>	Safety Joint <u> </u>
			Final Shut-in <u>60</u>	Straddle <u> </u>

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Approved By Walter Phillips
 Our Representative Dan Bangle

Circ. Sub
 Sampler
 Extra Packer
 Elec. Rec.
 Mileage 60 60
 Other 1.5 @ 30 45
 TOTAL PRICE \$ 905