

Well Name:	PEARSON #1			
Company :	RANEY OIL COMPANY			
Location - Sec:	36	Twp:	13S	Rge: 22W
County:	TREGO	State:	KS	
Date:	12/21/95			

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company
WELL NAME: Pearson #1
LOCATION : 36-13S-22W, Trego Cty KS
INTERVAL : 4112.00 To 4175.00 ft

DATE 12/20/95
KB 2358.00 ft TICKET NO: 8673 DST #1
GR 2350.00 ft FORMATION: Sand
TD 4175.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	24174	24174	10994			PF Fr. 2318 to 0003 hr
SI 45 Range(Psi)	3050.0	3050.0	0.0	0.0	0.0	IS Fr. 0003 to 0048 hr
SF 60 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0048 to 0148 hr
FS 90 Depth(ft)	4147.0	4147.0	4170.0	0.0	0.0	FS Fr. 0148 to 0318 hr

	Field	1	2	3	4	
A. Init Hydro	2104.0	2098.0	0.0	0.0	0.0	T STARTED 2145 hr
B. First Flow	37.0	36.0	0.0	0.0	0.0	T ON BOTM 2315 hr
B1. Final Flow	37.0	36.0	0.0	0.0	0.0	T OPEN 2318 hr
C. In Shut-in	835.0	845.0	0.0	0.0	0.0	T PULLED 0318 hr
D. Init Flow	44.0	44.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	44.0	44.0	0.0	0.0	0.0	
F. Fl Shut-in	675.0	673.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2011.0	1991.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 56000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4094.00 ft

RECOVERY

Tot Fluid 55.00 ft of 0.00 ft in DC and 55.00 ft in DP
55.00 ft of Gassy mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
.25" blow building to 3"

Final Flow -
Weak surface blow building to 1.5"

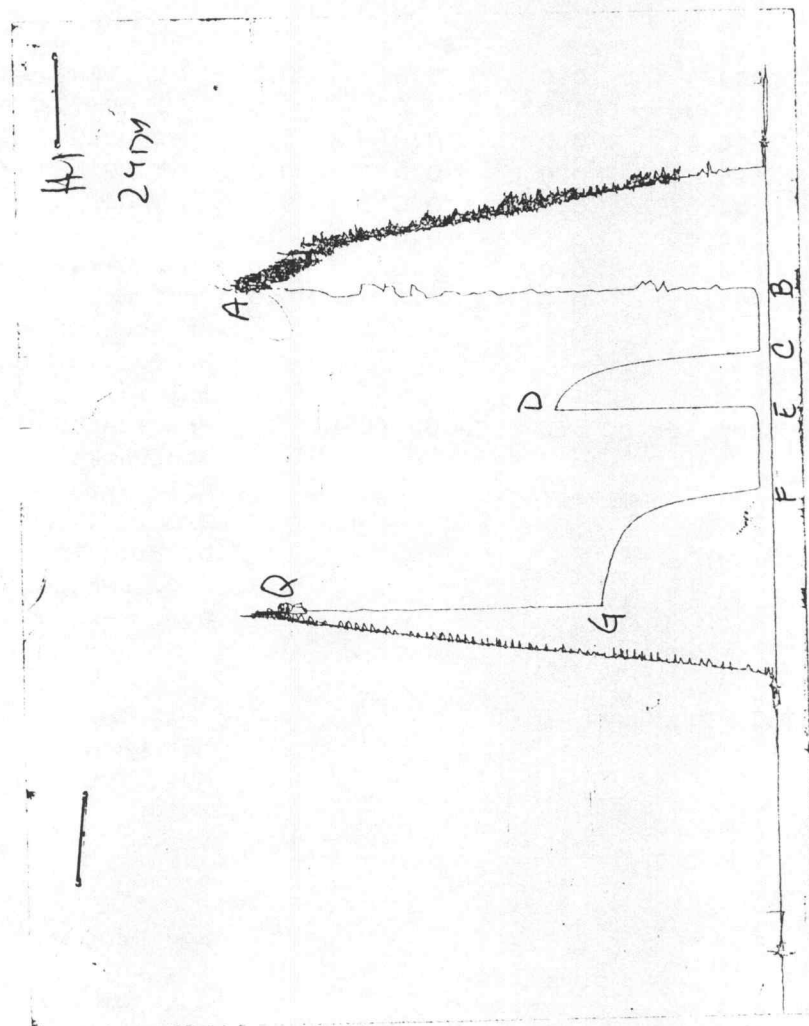
SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Roger Welty
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8673

Well Name & No. <u>Pearson #1</u>	Test No. <u>1</u>	Date <u>12/20/95</u>
Company <u>Raney Oil Company</u>	Zone Tested <u>Sand</u>	
Address <u>34251 Tam O Shanter</u>	Elevation <u>2358</u>	KB <u>2350</u> GL
Co. Rep / Geo. <u>Roger Welly</u>	Cont. <u>Duke #4</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>36</u>	Twp. <u>13s</u>	Rge. <u>22w</u>
	Co. <u>Trego</u>	State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>Y</u>
		Evaluation (Y, N) <u> </u>

Interval Tested <u>4112 - 4175</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>56,000</u>
Anchor Length <u>63</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth <u>4107</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Bottom Packer Depth <u>4112</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u> </u>	
Total Depth <u>4175</u>	Drill Collar — 2.25 Ft. Run <u> </u>	
Mud Wt. <u>9.0</u> LCM <u> </u> Vis. <u>50</u> WL <u>10.0</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4094</u>
Blow Description <u>1/2" blow building to 3"</u>		

ff - weak surface blow building to 1 1/2"

Recovery — Total Feet <u>55</u>	Ft. in DC <u> </u>	Ft. in WP <u> </u>	Ft. in DP <u>55</u>
Rec. <u>55</u> Feet Of <u>gassy mud</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>
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>113</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F Chlorides <u> </u>	ppm Recovery <u> </u>	Chlorides <u> </u>	ppm System <u> </u>
(A) Initial Hydrostatic Mud <u>2104</u> PSI	Recorder No. <u>24174</u>	T-Started <u>2104</u>	
(B) First Initial Flow Pressure <u>37</u> PSI	@ (depth) <u>4147</u>	T-Open <u>23118</u>	
(C) First Final Flow Pressure <u>37</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>0318</u>	
(D) Initial Shut-in Pressure <u>835</u> PSI	@ (depth) <u>4170</u>	T-Out <u> </u>	
(E) Second Initial Flow Pressure <u>44</u> PSI	Recorder No. <u> </u>		
(F) Second Final Flow Pressure <u>44</u> PSI	@ (depth) <u> </u>		
(G) Final Shut-in Pressure <u>675</u> PSI	Initial Opening <u>45</u>	Test <u>600</u>	
(H) Final Hydrostatic Mud <u>2011</u> PSI	Initial Shut-in <u>45</u>	Jars <u> </u>	

Final Flow <u>60</u>	Safety Joint <u> </u>
Final Shut-in <u>90</u>	Straddle <u> </u>
	Circ. Sub <u> </u>
	Sampler <u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Roger Welly for Raney Oil Co
 Our Representative Paul Simpson

Extra Packer
 Elect. Rec.
 Other
 TOTAL PRICE \$ 600

(T)

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company

DATE 12/21/95

WELL NAME: Pearson #1

KB 2370.00 ft

TICKET NO: 8674 DST #2

LOCATION : 36-13S-22W, Trego Cty KS

GR 2361.00 ft

FORMATION: Conglomerate Sand

INTERVAL : 4117.00 To 4200.00 ft

TD 4200.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	24174	24174	10994			PF Fr. 1236 to 1251 hr
SI 30 Range(Psi)	3050.0	3050.0	0.0	0.0	0.0	IS Fr. 1251 to 1321 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1321 to 1351 hr
FS 30 Depth(ft)	4120.0	4120.0	4195.0	0.0	0.0	FS Fr. 1351 to 1421 hr

	Field	1	2	3	4	
A. Init Hydro	2190.0	2189.0	0.0	0.0	0.0	T STARTED 1126 hr
B. First Flow	880.0	813.0	0.0	0.0	0.0	T ON BOTM 1234 hr
B1. Final Flow	1032.0	1038.0	0.0	0.0	0.0	T OPEN 1236 hr
C. In Shut-in	1160.0	1162.0	0.0	0.0	0.0	T PULLED 1421 hr
D. Init Flow	1115.0	1115.0	0.0	0.0	0.0	T OUT 1550 hr
E. Final Flow	1160.0	1163.0	0.0	0.0	0.0	
F. Fl Shut-in	1160.0	1169.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2166.0	2084.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 56000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4125.00 ft

RECOVERY

Tot Fluid 2750.00 ft of 0.00 ft in DC and 2750.00 ft in DP
2750.00 ft of Muddy water

RW .27 @ 73 F

SALINITY 26000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Strong blow, bottom of bucket in 45 sec

Initial Shutin -
No blow

Final Flow -
2" blow building to bottom of bucket in
2 min

SAMPLES:

SENT TO:

MUD DATA-----

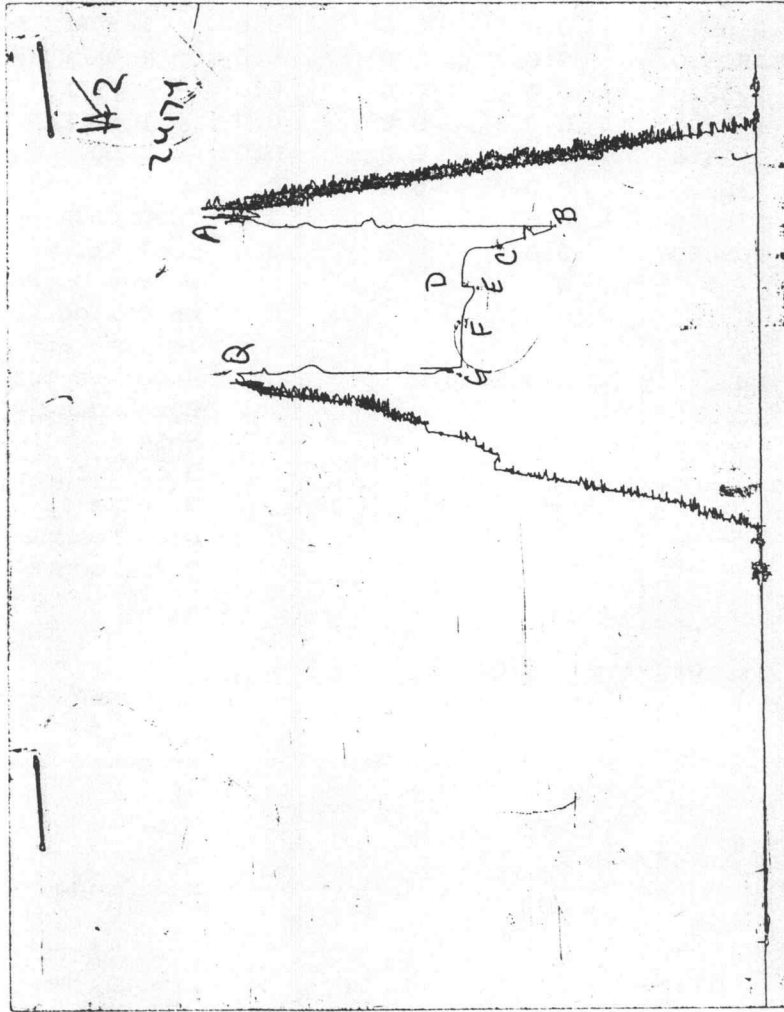
Mud Type	Chemical
Weight	9.40 lb/c
Vis.	51.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

Tester	Paul Simpson
Co. Rep.	Roger Welty
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 8674

Test Ticket

Well Name & No. <u>Pearson #1</u>	Test No. <u>2</u>	Date <u>12-21-95</u>
Company <u>Ramy Oil Company</u>	Zone Tested <u>Conglomerate Sand</u>	
Address _____	Elevation <u>2370</u>	KB <u>2365</u> GL <u>2361</u>
Co. Rep / Geo. <u>Roger Welby</u>	Cont. <u>Duke #4</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>36</u> Twp. <u>13s</u> Rge. <u>22w</u>	Co. <u>Trego</u>	State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) <u>Y</u> Evaluation (Y, N) _____

Interval Tested <u>4112 - 4200</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>70,000</u>
Anchor Length <u>83</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>120,000</u>
Top Packer Depth <u>4112</u>	Hole Size — 7 7/8" _____	Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4117</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____	
Total Depth <u>4200</u>	Drill Collar — 2.25 Ft. Run _____	
Mud Wt. <u>9.4</u> LCM _____ Vis. <u>51</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 IH</u>	Ft. Run <u>4125</u> <u>66.5</u>
Blow Description <u>strong blow - bottom of bucket in 45 seconds</u>		
<u>PSI - no blow</u>		
<u>88 - 2" blow building to bottom of bucket in 2 minutes</u>		

Recovery — Total Feet <u>2750</u>	Ft. in DC _____	Ft. in WP _____	Ft. in DP <u>2750</u>
Rec. <u>2750</u>	Feet Of <u>muddy water</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of <u>(reversed)</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT <u>123</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW <u>127</u> @ <u>73</u>	°F Chlorides <u>26,000</u>	ppm Recovery _____	Chlorides <u>2200</u>	ppm System _____
(A) Initial Hydrostatic Mud <u>20190</u>	PSI Recorder No. <u>24174</u>	T-Started <u>1126</u>		
(B) First Initial Flow Pressure <u>880</u>	PSI @ (depth) <u>4120</u>	T-Open <u>1236</u>		
(C) First Final Flow Pressure <u>1032</u>	PSI Recorder No. <u>10994</u>	T-Pulled <u>14:21</u>		
(D) Initial Shut-in Pressure <u>1160</u>	PSI @ (depth) <u>4195</u>	T-Out <u>15:50</u>		
(E) Second Initial Flow Pressure <u>1115</u>	PSI Recorder No. _____			
(F) Second Final Flow Pressure <u>1160</u>	PSI @ (depth) _____			
(G) Final Shut-in Pressure <u>1160</u>	PSI Initial Opening <u>15</u>	Test <u>X</u> <u>600</u>		
(H) Final Hydrostatic Mud <u>2166</u>	PSI Initial Shut-in <u>30</u>	Jars _____		

Final Flow <u>30</u>	Safety Joint _____
Final Shut-in <u>30</u>	Straddle _____

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Approved By Ramy Oil Co by Roger Welby
 Our Representative Paul Simpson

Circ. Sub <u>X</u> <u>35</u>
Sampler _____
Extra Packer _____
Elect. Rec. _____
Other _____
TOTAL PRICE \$ <u>635.00</u>

(T)