

15-195-22176

36-13s-22w

WELL NAME: Weber #2
COMPANY: Raney Oil Company
LOCATION: 36-13S-22W
Trego County Kansas
DATE: 06/24/96

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company
 WELL NAME: Weber #2
 LOCATION : 36-13S-22W, Trego Cty KS
 INTERVAL : 4100.00 To 4143.00 ft

DATE 06/24/96
 KB 2359.00 ft
 GR 2350.00 ft
 TD 4143.00 ft

TICKET NO: 9301
 FORMATION: Cherokee
 TEST TYPE: CONV

DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 0154 to 0224 hr
SI 30 Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0	IS Fr. 0224 to 0254 hr
SF 15 Clock(hrs)	12	12	12			SF Fr. 0254 to 0309 hr
FS 15 Depth(ft)	4105.0	4105.0	4140.0	0.0	0.0	FS Fr. 0309 to 0324 hr

	Field	1	2	3	4	
A. Init Hydro	2120.0	2159.0	0.0	0.0	0.0	T STARTED 2345 hr
B. First Flow	87.0	57.0	0.0	0.0	0.0	T ON BOTM 0152 hr
B1. Final Flow	87.0	59.0	0.0	0.0	0.0	T OPEN 0154 hr
C. In Shut-in	109.0	76.0	0.0	0.0	0.0	T PULLED 0330 hr
D. Init Flow	120.0	61.0	0.0	0.0	0.0	T OUT 0455 hr
E. Final Flow	120.0	63.0	0.0	0.0	0.0	
F. Fl Shut-in	120.0	70.0	0.0	0.0	0.0	
G. Final Hydro	2098.0	2104.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt. 0.00 lbs
 Wt Set On Packer 23000.00 lbs
 Wt Pulled Loose 68000.00 lbs
 Initial Str Wt 53000.00 lbs
 Unseated Str Wt 53000.00 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 4094.00 ft

RECOVERY

Tot Fluid 6.00 ft of 0.00 ft in DC and 6.00 ft in DP
 6.00 ft of Mud - 100% mud

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

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow, died in 1 min

Initial Shutin -
 No blow back

Final Flow -
 No blow, flushed tool, no blow

Final Shutin -
 No blow back

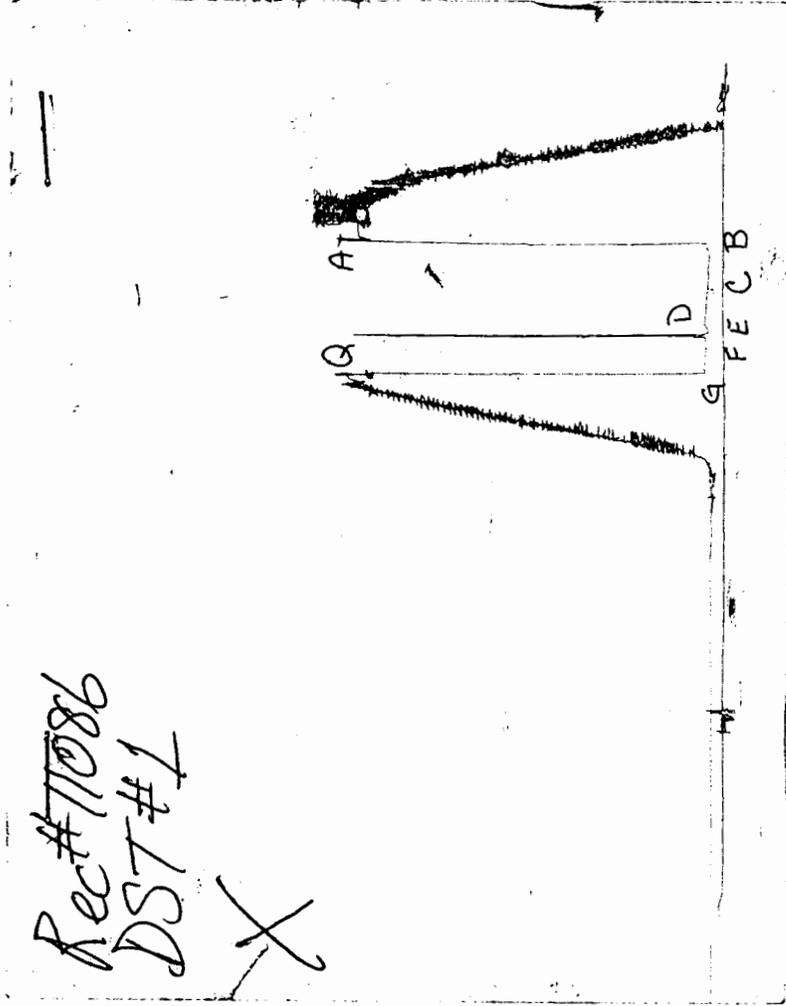
SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	52.00 S/L
W.L.	10.00 in ³
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 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	Mike McVey
Co. Rep.	Roger Welty
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

*** TOOL DIAGRAM *** CONV

WELL NAME: Weber #2

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

TICKET No. 9301 D.S.T. No. 1 DATE 06/24/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 43

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands Single Total 4094

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4157

TOTAL DEPTH 4143

TOTAL DRILL PIPE ABOVE K.B. 14

REMARKS:

P.O. SUB	
C.O. SUB	4080
S.I. TOOL	4086
HMV	4091
JARS N/A	
SAFETY JOINT N/A	
PACKER	4095
PACKER	4100
DEPTH 4100	
STUBB	4101
ANCHOR	
AK-1 recorder	4105
perf	
T.C. DEPTH	
AK-1 recorder	4140
BULLNOSE	
T.D.	4143

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9301

Well Name & No. Weber #2 Test No. #1 Date 6-24-96
Company Raney Oil Co. Zone Tested Cherokee
Address 3425 Tam O'Shanter Lawrence, Ks 66047 Elevation 2359 KB 2350 GL
Co. Rep / Geo. Roger Welty Cont. Duke Drlg Rig #4 Est. Ft. of Pay Por. %
Location: Sec. 36 Twp. 13s Rge. 22w Co. Trego State Ks
No. of Copies normal Distribution Sheet (Y, N) N Turnkey (Y, N) #Y Evaluation (Y, N) N

Interval Tested 4100 to 4143 Initial Str Wt./Lbs. 53000 Unseated Str Wt./Lbs. 53000
Anchor Length 43' Wt. Set Lbs. 23000 Wt. Pulled Loose/Lbs. 68,000
Top Packer Depth 4095 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 4100 Wt. Pipe I.D. — 2.7 Ft. Run —H—
Total Depth 4143 Drill Collar — 2.25 Ft. Run —H—
Mud Wt. 9.4 LCM 1/2# Vis. 52 Wt. 10.0 Drill Pipe Size 4 1/2" / 3.8" I.D. Ft. Run 4124 4094
Blow Description I.F. - Weak surface blow, died in 1 min
I.S.I. - No blow back
F.F. - No blow, flush tool - No blow
F.S.I. - No blow back

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
<u>6</u>	<u>H</u>	<u>H</u>	<u>6</u>
Rec. <u>6</u> Feet Of <u>Mud</u>	%gas	%oil	%water <u>100</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud

BHT 117° °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud	<u>2120</u> PSI	Recorder No. <u>11086</u>	T-Started <u>2345</u>
(B) First Initial Flow Pressure	<u>87</u> PSI	@ (depth) <u>4105</u>	T-Open <u>0154</u>
(C) First Final Flow Pressure	<u>87</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>0330</u>
(D) Initial Shut-in Pressure	<u>109</u> PSI	@ (depth) <u>4140</u>	T-Out <u>0455</u>
(E) Second Initial Flow Pressure	<u>120</u> PSI	Recorder No. <u>—H—</u>	
(F) Second Final Flow Pressure	<u>120</u> PSI	@ (depth) <u>—H—</u>	
(G) Final Shut-in Pressure	<u>120</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud	<u>2098</u> PSI	Initial Shut-in <u>30</u>	Jars <u> </u>

Final Flow 15 Safety Joint
Final Shut-in 15 Straddle
Circ. Sub N/C
Sampler
Extra Packer
Elect. Rec.
Other

Approved By Roger Welty
Our Representative Mike McLean

TOTAL PRICE \$ 600

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TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company

DATE 06/24/96

WELL NAME: Weber #2

KB 2359.00 ft

TICKET NO: 9302

DST #2

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

GR 2350.00 ft

FORMATION: Cherokee

INTERVAL : 4100.00 To 4165.00 ft

TD 4165.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	AK-1	AK-1	AK-1			PF Fr. 1400 to 1430 hr
SI 30	Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0	IS Fr. 1430 to 1500 hr
SF 30	Clock(hrs)	12	12	12			SF Fr. 1500 to 1530 hr
FS 30	Depth(ft)	4111.0	4111.0	4162.0	0.0	0.0	FS Fr. 1530 to 1600 hr

	Field	1	2	3	4	
A. Init Hydro	2054.0	2054.0	0.0	0.0	0.0	T STARTED 1230 hr
B. First Flow	54.0	24.0	0.0	0.0	0.0	T ON BOTM 1358 hr
B1. Final Flow	21.0	24.0	0.0	0.0	0.0	T OPEN 1400 hr
C. In Shut-in	393.0	3879.0	0.0	0.0	0.0	T PULLED 1600 hr
D. Init Flow	54.0	33.0	0.0	0.0	0.0	T OUT 1730 hr
E. Final Flow	32.0	39.0	0.0	0.0	0.0	
F. Fl Shut-in	436.0	426.0	0.0	0.0	0.0	
G. Final Hydro	2011.0	2015.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	23000.00 lbs
Wt Pulled Loose	58000.00 lbs
Initial Str Wt	53000.00 lbs
Unseated Str Wt	53000.00 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	4126.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
15.00 ft of Mud

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

BLOW DESCRIPTION

Initial Flow -
Weak surface blow, died in 16 min

Initial Shutin -
No blow back

Final Flow -
No blow after 15 min, flushed tool,
weak surface blow, died in 8.5 min

Final Shutin -
No blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	53.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 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	Mike McVey
Co. Rep.	Roger Welty
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

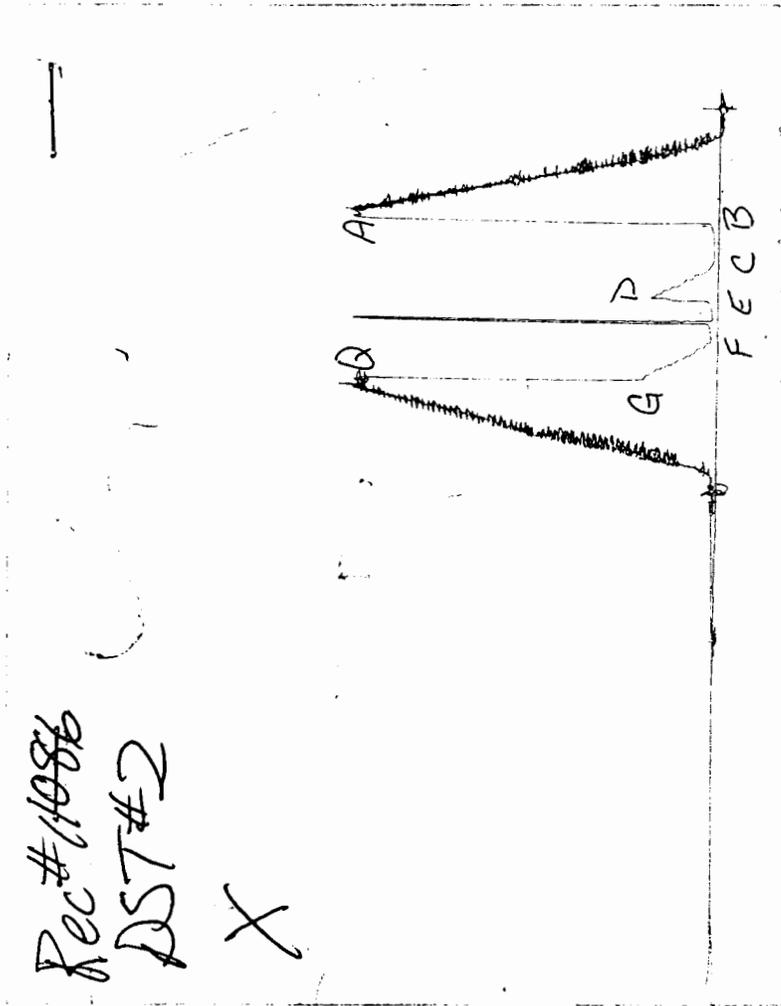
Test Successful: Y

CHART PAGE

Rec # 11086

DST # 2

X



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

*** TOOL DIAGRAM *** CONV

WELL NAME: Weber #2

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

TICKET No. 9302 D.S.T. No. 2 DATE 06/24/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 54

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 85

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands Single Total 4095

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4180

TOTAL DEPTH 4165

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

P.O. SUB	
C.O. SUB	4080
S.I. TOOL	4086
HMV	4091
JARS N/A	
SAFETY JOINT N/A	
PACKER	4095
PACKER	4100
DEPTH 4100	
STUBB	4101
ANCHOR	
AK-1 recorder	4111
perf	
T.C.	
DEPTH	
joint pipe	
perf	
AK-1 recorder	4162
BULLNOSE	
T.D.	4165

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9302

Well Name & No. <u>Weber #2</u>	Test No. <u>#2</u>	Date <u>6-24-96</u>
Company <u>Raney Oil Co.</u>	Zone Tested <u>Cherokee</u>	
Address <u>3425 Tam O'Shanter Lawrence, Ks 66047</u>	Elevation <u>2359</u> KB <u>2350</u> GL	
Co. Rep / Geo. <u>Roger Welty</u>	Cont. <u>Duke Drlg Rig #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>normal</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>Y</u>	Evaluation (Y, N) <u>N</u>

Interval Tested <u>4100+04165</u>	Initial Str Wt./Lbs. <u>53000</u>	Unseated Str Wt./Lbs. <u>53000</u>
Anchor Length <u>65</u>	Wt. Set Lbs. <u>23000</u>	Wt. Pulled Loose/Lbs. <u>58000</u>
Top Packer Depth <u>4095</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Bottom Packer Depth <u>4100</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u> </u>	
Total Depth <u>4165</u>	Drill Collar — 2.25 Ft. Run <u> </u>	
Mud Wt. <u>9.3</u> LCM <u>TF#</u> Vis. <u>53</u> WL <u>8-8</u>	Drill Pipe Size <u>4 1/2 X 1 1/3" I.D.</u>	Ft. Run <u>4126</u>
Blow Description <u>F.F. - Weak surface blow, died in 16 min</u>		
<u>I.S.I. - No blow back</u>		
<u>F.F. - No blow after 15 min - flush tool - Weak surface blow, died in 8 1/2 min</u>		
<u>F.S.I. - No blow back</u>		

Recovery — Total Feet <u>15</u>	Ft. in DC <u> </u>	Ft. in WP <u> </u>	Ft. in DP <u>15</u>
Rec. <u>15</u> Feet Of <u>Mud</u>	%gas <u> </u>	%oil <u> </u>	%water <u>100</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud

BHT <u>116</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 Chlorides <u>3000</u>	ppm System <u> </u>	
(A) Initial Hydrostatic Mud <u>2054</u> PSI	Recorder No. <u>11086</u>	T-Started <u>1230</u>	
(B) First Initial Flow Pressure <u>54</u> PSI	@ (depth) <u>4111</u>	T-Open <u>1400</u>	
(C) First Final Flow Pressure <u>21</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>1800</u>	
(D) Initial Shut-in Pressure <u>393</u> PSI	@ (depth) <u>4162</u>	T-Out <u>1730</u>	
(E) Second Initial Flow Pressure <u>54</u> PSI	Recorder No. <u> </u>		
(F) Second Final Flow Pressure <u>32</u> PSI	@ (depth) <u> </u>		
(G) Final Shut-in Pressure <u>436</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>	
(H) Final Hydrostatic Mud <u>2011</u> PSI	Initial Shut-in <u>30</u>	Jars <u> </u>	

Final Flow <u>30</u>	Safety Joint <u> </u>
Final Shut-in <u>30</u>	Straddle <u> </u>
	Circ. Sub <input checked="" type="checkbox"/> <u>n/c</u>
	Sampler <u> </u>
	Extra Packer <u> </u>
	Elect. Rec. <u> </u>
	Other <u> </u>
	TOTAL PRICE \$ <u>600</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 Welty
Our Representative Mike McElroy

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