

DRILL-STEM TEST DATA

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

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company

DATE 10-12-95

WELL NAME: Weber #1

KB 2359.00 ft

TICKET NO: 8517

DST #1

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

GR 2351.00 ft

FORMATION: Conglomerate

INTERVAL : 4095.00 To 4175.00 ft

TD 4175.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10992	10992	24174			PF Fr. 0627 to 0712 hr
SI 45 Range(Psi)	4250.0	4250.0	3050.0	0.0	0.0	IS Fr. 0712 to 0757 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0757 to 0827 hr
FS 45 Depth(ft)	4170.0	4170.0	4165.0	0.0	0.0	FS Fr. 0827 to 0913 hr

	Field	1	2	3	4	
A. Init Hydro	2076.0	2068.0	0.0	0.0	0.0	T STARTED 0503 hr
B. First Flow	98.0	106.0	0.0	0.0	0.0	T ON BOTM 0625 hr
Bl. Final Flow	109.0	116.0	0.0	0.0	0.0	T OPEN 0627 hr
C. In Shut-in	1190.0	1194.0	0.0	0.0	0.0	T PULLED 0913 hr
D. Init Flow	142.0	140.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	469.0	474.0	0.0	0.0	0.0	
F. Fl Shut-in	1115.0	1118.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2023.0	2025.0	0.0	0.0	0.0	Tool Wt. 3000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 0.00 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 4083.00 ft

RECOVERY

Tot Fluid 1230.00 ft of 1230.00 ft in DC and 0.00 ft in DP
 420.00 ft of Gas in pipe
 1230.00 ft of Slightly muddy gassy oil -
 5% gas, 90% oil, 5% mud

MUD DATA-----

Mud Type	Chemical
Weight	0.00 lb/cf
Vis.	0.00 S/L
W.L.	0.00 in3
F.C.	0.00 in
Mud Drop N	

SALINITY 0.00 P.P.M. A.P.I. Gravity 37.00

BLOW DESCRIPTION

Initial Blow -
 1" blow surging and building to 8.5"
 then decreasing to 7"

Initial Shutin -
 No blow

Final Blow -
 .5" blow building to bottom of bucket
 in 4 minutes

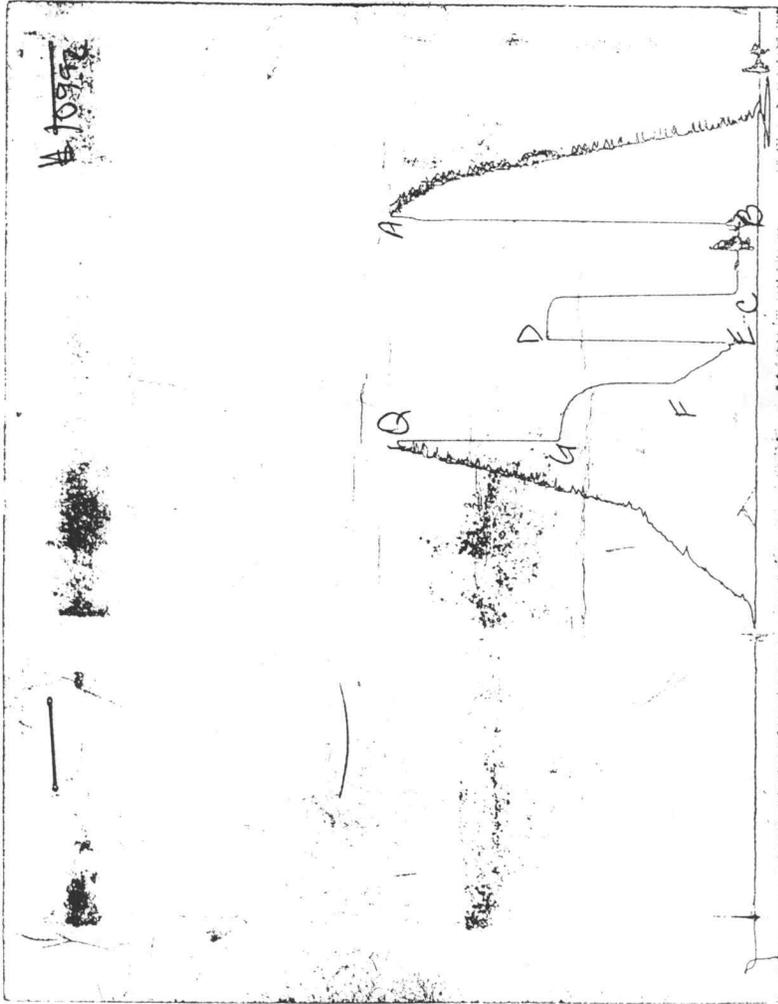
Final Shutin -
 Surface blow building to 2.5"

SAMPLES:
 SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	good
% 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 #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

CALCULATED RECOVERY ANALYSIS - DRILL PIPE

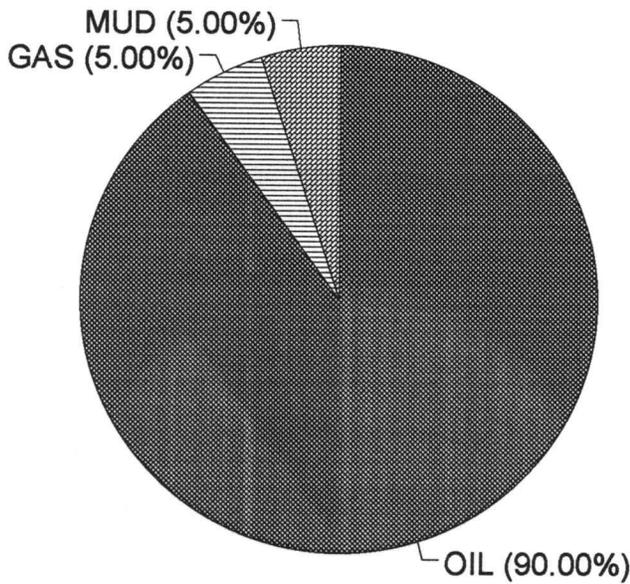
DST # 1

TICKET # 8517

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	1230	5	61.5	90	1107		0	5	61.5
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	1230	5.00	61.5	90.00	1107	0	0	5.00	61.5

HRS OPE BBL/DAY

BBL OIL=	15.74154	*	1.25	302.24
BBL WATER=	0	*		0.00
BBL MUD=	0.87453			
BBL GAS	0.87453			



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 8517

Test Ticket

Well Name & No. Weber #1 Test No. 1 Date 10-12-95
 Company Raney Oil Co. Zone Tested Conglomerate
 Address _____ Elevation 2359 KB 2351 GL
 Co. Rep / Geo. Roger Welty Cont. Duke #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 36 Twp. 13s Rge. 22w Co. Trego State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) Y Evaluation (Y, N) _____

Interval Tested 4095 - 4175 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. _____
 Anchor Length 80 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 4090 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4095 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4175 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 XH Ft. Run 4083 65.5
 Blow Description 1" blow building to 8 1/2" surging throughout decreasing to 7"
PSI - no blow
SS - 1/2" blow building to bottom of bucket in 4 minutes
FSF - surface blow building to 2 1/2"

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>420</u>	Feet Of <u>basin pipe</u>						
Rec. <u>1230</u>	Feet Of <u>sl muddy gassy oil</u>	<u>5</u>		<u>5</u>	<u>90</u>		<u>5</u>
Rec. _____	Feet Of _____			%gas	%oil	%water	%mud
Rec. _____	Feet Of _____			%gas	%oil	%water	%mud
Rec. _____	Feet Of _____			%gas	%oil	%water	%mud

BHT 118 °F Gravity 39 °API D@ 80 °F Corrected Gravity 37 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2026 PSI Recorder No. 24174 T-Started 0503
 (B) First Initial Flow Pressure 98 PSI @ (depth) 41 65 T-Open 0627
 (C) First Final Flow Pressure 109 PSI Recorder No. 10992 T-Pulled 0913
 (D) Initial Shut-in Pressure 1190 PSI @ (depth) 4170 T-Out _____
 (E) Second Initial Flow Pressure 142 PSI Recorder No. _____
 (F) Second Final Flow Pressure 469 PSI @ (depth) _____
 (G) Final Shut-in Pressure 1115 PSI Initial Opening 45 Test 600
 (H) Final Hydrostatic Mud 2023 PSI Initial Shut-in 45 Jars _____
 Final Flow 30 Safety Joint _____
 Final Shut-in 45 Straddle _____
 _____ Circ. Sub _____
 _____ Sampler _____
 _____ Extra Packer _____
 _____ Elect. Rec. _____
 _____ Other _____

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 Paul Simpson

TOTAL PRICE \$ 600

INITIAL SHUT-IN

WEBER #1

DST # 1

INITIAL FLOW TIME 45

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
3	142.17	1.204	142.2	16
6	927.76	0.929	785.6	9
9	1160.22	0.778	232.5	6
12	1168.76	0.677	8.5	5
15	1181.57	0.602	12.8	4
18	1186.90	0.544	5.3	4
21	1187.97	0.497	1.1	3
24	1189.03	0.459	1.1	3
27	1191.17	0.426	2.1	3
30	1191.17	0.398	0.0	3
33	1193.31	0.374	2.1	2
36	1194.38	0.352	1.1	2
39	1194.38	0.333	0.0	2

FINAL SHUT-IN

WEBER #1

DST # 1

TOTAL FLOW TIME 75

<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
3	958.98	1.415	959.0	26
6	998.71	1.130	39.7	14
9	1030.86	0.970	32.1	9
12	1054.41	0.860	23.6	7
15	1070.46	0.778	16.1	6
18	1082.23	0.713	11.8	5
21	1086.51	0.660	4.3	5
24	1102.54	0.615	16.0	4
27	1105.75	0.577	3.2	4
30	1107.89	0.544	2.1	4
33	1111.09	0.515	3.2	3
36	1114.30	0.489	3.2	3
39	1117.51	0.466	3.2	3

INITIAL FLOW

DST # 1
RECORDER 10992

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	106.33	106.3
3	106.33	0.0
6	109.70	3.4
9	114.04	4.3
12	116.21	2.2
15	116.21	0.0
18	116.21	0.0
21	116.21	0.0
24	116.21	0.0
27	116.21	0.0
30	116.21	0.0
33	116.21	0.0
36	116.21	0.0
39	116.21	0.0
42	116.21	0.0

FINAL FLOW

DST # 1
RECORDER 10992

		<>
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	140.01	140.0
3	148.64	8.6
6	171.34	22.7
9	205.19	33.9
12	232.49	27.3
15	279.45	47.0
18	306.75	27.3
21	344.96	38.2
24	379.87	34.9
27	403.87	24.0
30	448.56	44.7
33	473.55	25.0