

DRILL-STEM TEST DATA

Well Name: LISNER #1
Company : RANEY OIL COMPANY
Location - Sec: 12 **Twp:** 17S **Rge:** 13W
County: BARTON **State:** KS
Date: 03-Oct-95

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company
 WELL NAME: Lisner #1
 LOCATION : 12-17S-13W, Barton Cty KS
 INTERVAL : 3182.00 To 3230.00 ft

DATE 10/02/95

KB 1916.00 ft TICKET NO: 8510 DST #1
 GR 0.00 ft FORMATION: Kansas City
 TD 3230.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	24174	24174	10994			PF Fr. 0738 to 0808 hr
SI 45	Range(Psi)	3050.0	3050.0	0.0	0.0	0.0	IS Fr. 0808 to 0853 hr
SF 60	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0853 to 0953 hr
FS 60	Depth(ft)	3224.0	3224.0	3217.0	0.0	0.0	FS Fr. 0953 to 1053 hr

	Field	1	2	3	4	
A. Init Hydro	1590.0	1581.0	0.0	0.0	0.0	T STARTED 0625 hr
B. First Flow	59.0	65.0	0.0	0.0	0.0	T ON BOTM 0735 hr
B1. Final Flow	97.0	94.0	0.0	0.0	0.0	T OPEN 0738 hr
C. In Shut-in	270.0	260.0	0.0	0.0	0.0	T PULLED 1053 hr
D. Init Flow	142.0	136.0	0.0	0.0	0.0	T OUT 1205 hr
E. Final Flow	179.0	175.0	0.0	0.0	0.0	
F. Fl Shut-in	270.0	260.0	0.0	0.0	0.0	
G. Final Hydro	1530.0	1530.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----
 Tool Wt. 1500.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 45000.00 lbs
 Initial Str Wt 40000.00 lbs
 Unseated Str Wt 41000.00 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 3176.00 ft

RECOVERY

Tot Fluid 360.00 ft of 0.00 ft in DC and 360.00 ft in DP
 180.00 ft of Slightly watery mud w/ oil specks - 100% mud
 180.00 ft of Muddy sulfur water - 80% water, 20% mud

RW .29 @ 63 F

SALINITY 27000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 1" blow building to bottom of bucket
 in 13 min

Initial Shutin -
 No blow

Final Blow -
 Very weak surface blow building to
 bottom in 40 min

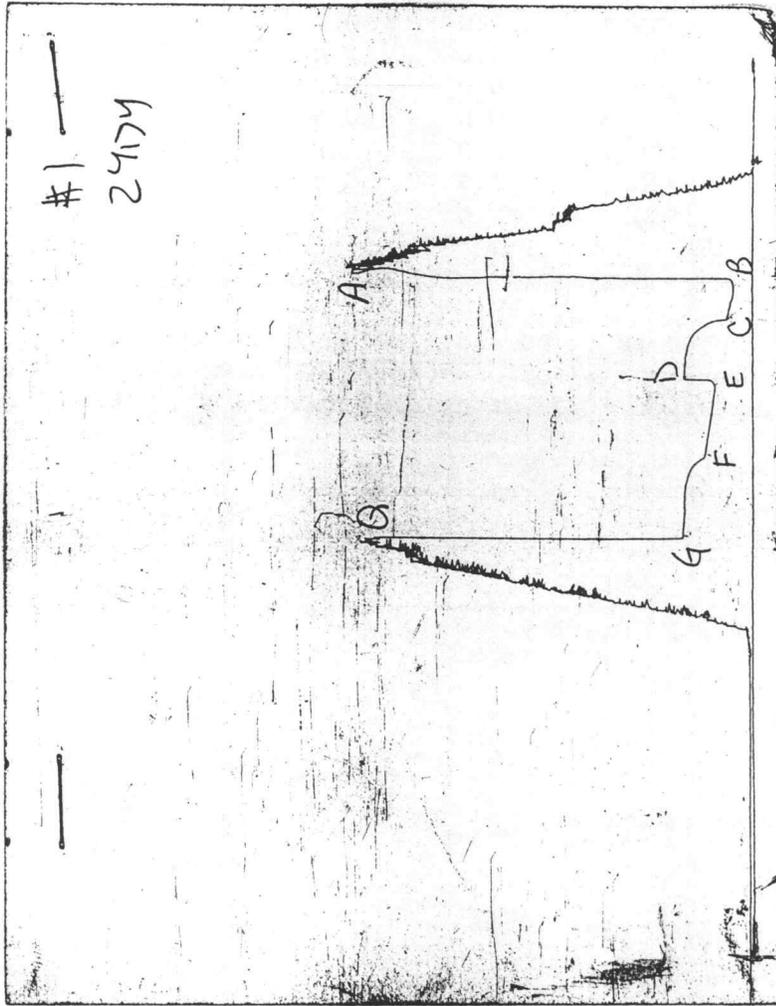
Final Shutin -
 No blow

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.30 lb/c
 Vis. 49.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 104.00 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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 8510

Test Ticket

Well Name & No. Lisner #1 Test No. 1 Date 10-2-95
Company Raney Oil Co Zone Tested KC
Address 3425 Tam O' Shanter Lawrence Ks 66047 Elevation 1916 KB GL
Co. Rep / Geo. Roger Wilty Cont. Duke #1 Est. Ft. of Pay Por. %
Location: Sec. 12 Twp. 17s Rge. 13w Co. Barton State Ks
No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Y Evaluation (Y, N)

Interval Tested 3182-3230 Initial Str Wt./Lbs. Unseated Str Wt./Lbs.
Anchor Length 48 Wt. Set Lbs. Wt. Pulled Loose/Lbs.
Top Packer Depth 3177 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 3182 Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth 3230 Drill Collar — 2.25 Ft. Run
Mud Wt. 9.3 LCM Vis. 49 WL 8.8 Drill Pipe Size 4" X 11' Ft. Run 3176 5' / side
Blow Description 1" blow building to bottom of bucket in 13 minutes
FSI - no blow
FF - v/weak surface blow building to bottom in 40 minutes
FSI - no blow

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>360</u>	<u> </u>	<u> </u>	<u>360</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u>180</u>	Feet Of <u>sl water, mud w/oil specks</u>						
Rec. <u>180</u>	Feet Of <u>Muddy sulfur water</u>					<u>80</u>	<u>20</u>
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						

BHT 104 °F Gravity °API D@ °F Corrected Gravity °API
RW .29 @ 63 °F Chlorides 27,000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1590 PSI Recorder No. 24174 T-Started 0625
(B) First Initial Flow Pressure 59 PSI @ (depth) 3224 T-Open 0738
(C) First Final Flow Pressure 97 PSI Recorder No. 10994 T-Pulled 10:53
(D) Initial Shut-in Pressure 270 PSI @ (depth) 3217 T-Out 12:05
(E) Second Initial Flow Pressure 142 PSI Recorder No.
(F) Second Final Flow Pressure 179 PSI @ (depth)
(G) Final Shut-in Pressure 270 PSI Initial Opening 30 Test 600
(H) Final Hydrostatic Mud 1530 PSI Initial Shut-in 45 Jars

Final Flow 60 Safety Joint
Final Shut-in 60 Straddle
 Circ. Sub
 Sampler
 Extra Packer
 Elect. Rec.
 Other
TOTAL PRICE \$ 600

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 Wilty
Our Representative Paul Simpson

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company
 WELL NAME: Lisner #1
 LOCATION : 12-17S-13W, Barton Cty KS
 INTERVAL : 3378.00 To 3406.00 ft

DATE 10/03/95
 KB 1916.00 ft TICKET NO: 8511 DST #2
 GR 1907.00 ft FORMATION: Arbuckle
 TD 3406.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	24174	24174	10994			PF Fr. 0657 to 0727 hr
SI 30	Range(Psi)	3050.0	3050.0	4250.0	0.0	0.0	IS Fr. 0727 to 0757 hr
SF 30	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0757 to 0827 hr
FS 30	Depth(ft)	3381.0	3381.0	3400.0	0.0	0.0	FS Fr. 0827 to 0857 hr

	Field	1	2	3	4	
A. Init Hydro	1658.0	1656.0	0.0	0.0	0.0	T STARTED 0549 hr
B. First Flow	22.0	28.0	0.0	0.0	0.0	T ON BOTM 0655 hr
B1. Final Flow	22.0	28.0	0.0	0.0	0.0	T OPEN 0657 hr
C. In Shut-in	59.0	70.0	0.0	0.0	0.0	T PULLED 0857 hr
D. Init Flow	22.0	27.0	0.0	0.0	0.0	T OUT 1025 hr
E. Final Flow	22.0	27.0	0.0	0.0	0.0	
F. Fl Shut-in	44.0	56.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1651.0	1654.0	0.0	0.0	0.0	Tool Wt. 1500.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 55000.00 lbs
						Initial Str Wt 40000.00 lbs
						Unseated Str Wt 41000.00 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 3393.00 ft

RECOVERY

Tot Fluid 3.00 ft of 0.00 ft in DC and 3.00 ft in DP
 3.00 ft of Mud - 100% mud

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

BLOW DESCRIPTION

Initial Blow -
 Weak blow died in 18 min

Initial Shutin -
 No blow

Final Blow -
 No blow

Final Shutin -
 No blow

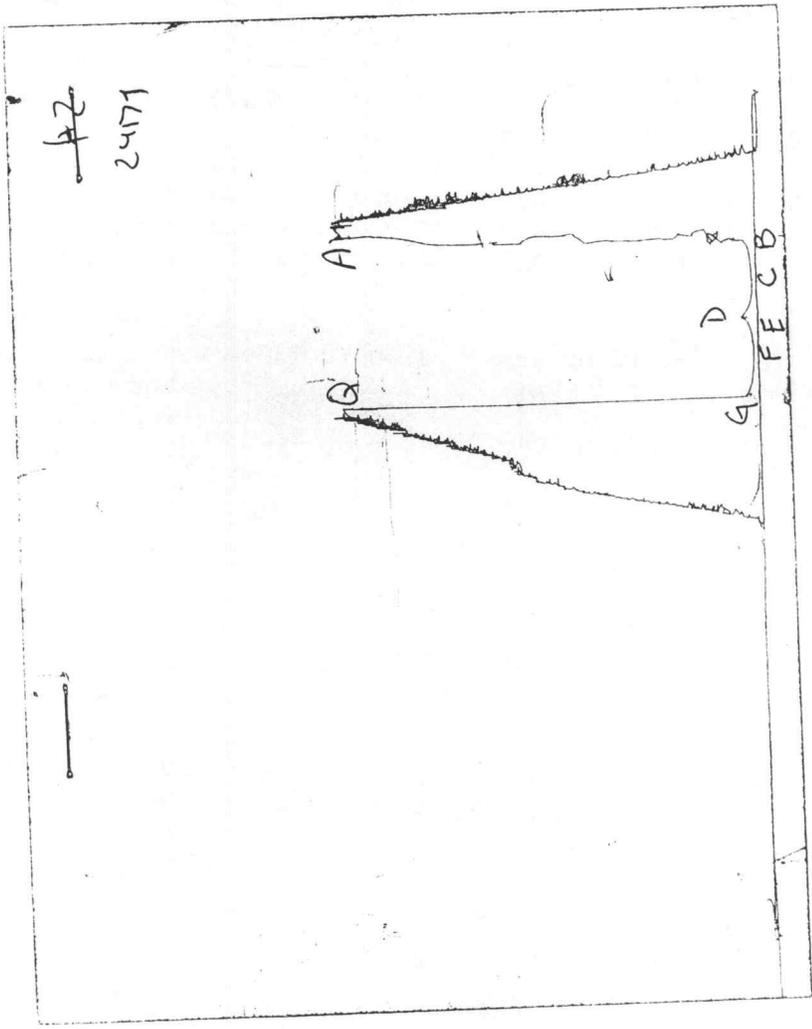
SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	47.00 S/L
W.L.	8.40 in ³
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	104.00 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

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Lisner #1

LOCATION : 12-17S-13W, Barton Cty KS

TICKET No. 8511 D.S.T. No. 2 DATE 10/03/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 28

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 49

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands54 Single 1 Total 3390

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3439

TOTAL DEPTH 3406

TOTAL DRILL PIPE ABOVE K.B. 33

REMARKS:

	P.O. SUB	
	C.O. SUB changeover sub	3359
	S.I. TOOL Shutin tool	3364
	HMV Hydraulic tool	3369
	JARS n/a	
	SAFETY JOINT n/a	
	PACKER Top Packer	3373
	PACKER Bottom Packer	3378
	DEPTH 3378	
	STUBB 3379	
	ANCHOR	
	2' perf	3381
	Ak-1 recorder	3381
	5'perf	3386
	5' perf	3391
	T.C.	
	DEPTH	
	5' perf	3396
	4' perf	3400
	3' perf	3403
	ak-1 recorder	3400
	3' bullplug	
	BULLNOSE to	
	T.D.	3406

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8511

Well Name & No. Lisner #1 Test No. 2 Date 10-3-95
Company Raney Oil Co Zone Tested Arbuckle
Address _____ Elevation 1916 KB 1908 GL
Co. Rep / Geo. Roger Walty Cont. Duke #1 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 12 Twp. 17s Rge. 13w Co. Barton State Ks
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) Y Evaluation (Y, N) _____

Interval Tested 3378-3406 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
Anchor Length 28 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 52,000
Top Packer Depth 3373 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 3378 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 3406 Drill Collar — 2.25 Ft. Run _____
Mud Wt. 9.4 LCM _____ Vis. 47 WL 8.4 Drill Pipe Size 4 1/2 XA Ft. Run 333 54.5
Blow Description weak blow - died in 18 minutes
FF - no blow

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
<u>3</u>							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

BHT 104 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1658 PSI Recorder No. 24174 T-Started 0549
(B) First Initial Flow Pressure 22 PSI @ (depth) 3381 T-Open 0657
(C) First Final Flow Pressure 22 PSI Recorder No. 10994 T-Pulled 0857
(D) Initial Shut-in Pressure 59 PSI @ (depth) 3400 T-Out 1025
(E) Second Initial Flow Pressure 22 PSI Recorder No. _____
(F) Second Final Flow Pressure 22 PSI @ (depth) _____
(G) Final Shut-in Pressure 44 PSI Initial Opening 30 Test 600
(H) Final Hydrostatic Mud 1651 PSI Initial Shut-in 30 Jars _____

Final Flow 30 Safety Joint _____
Final Shut-in 30 Straddle _____
Circ. Sub _____
Sampler _____

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Approved By Roger Walty
Our Representative Paul Simpson

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