TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Computer Inventoried

Drill-Stem Test Data

Well Name & No. ROESNER #17 Test No. 1 Date 12/1/90

Company HALLWOOD PETROLEUM Zone Tested LANS-KS CITY "C"

Address P.O. BOX 378111 DENVER CO 80237 Elevation 1879

Co. Rep./Geo. MR JIM MUSGROVE Cont. RED TIGER RIG #5 Est. Ft. of Pay 0

Location: Sec. 9 Twp. 15S Rge. 13W Co. RUSSELL State KANSAS

Interval Tested 3063-3080 Drill Pipe Size 4.5" XH

Anchor Length 17 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3058 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3063 Wt. Pipe I.D. — 2.7 Ft. Run 607

Total Depth 3080 Drill Collar — 2.25 Ft. Run 0

Mud Wt. 8.8 lb/gal. Viscosity 40 Filtrate 9.6

Tool Open @ 6:52 PM Initial Blow SLID TOOL 6 FT WHEN OPENED-BLOED OFF BLOW WEAK 1/8" BLOW DIED IN 25 MINUTES

Final Blow NO BLOW-FLUSHED TOOL-WEAK SURFACE BLOW-BUILT TO 1/2"

Recovery — Total Feet 128 Flush Tool? _____

Rec. 60 Feet of MUD WITH FEW OIL SPECKS-2%GAS/1%OIL/97% MUD

Rec. 60 Feet of SLIGHTLY WATERY MUD-10%WATER/90% MUD

Rec. 0 Feet of _____

Rec. 0 Feet of _____

Rec. 0 Feet of _____

BHT 0 °F Gravity _____ °API @ 0 °F Corrected Gravity 0 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

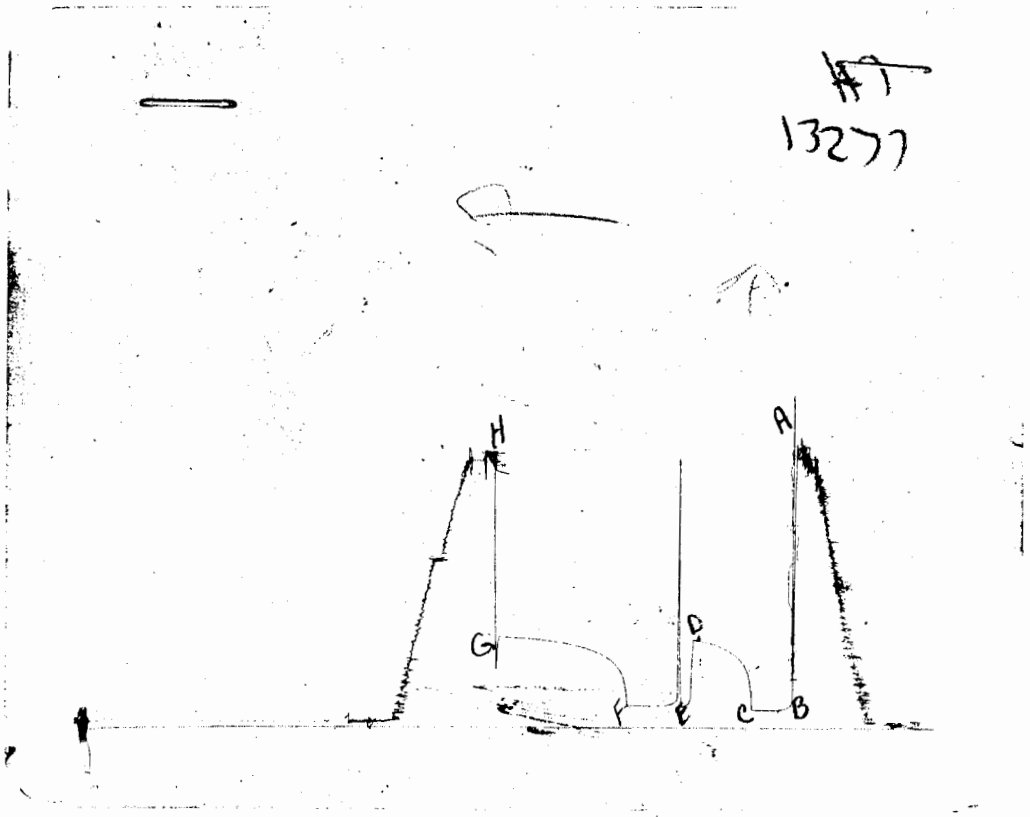
(A) Initial Hydrostatic Mud	1466.2 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	44.3 PSI	@ (depth)	3065	w/Clock No.	17639
(C) First Final Flow Pressure	51.2 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	430.9 PSI	@ (depth)	3079	w/Clock No.	17652
(E) Second Initial Flow Pressure	67.8 PSI	AK1 Recorder No.	0	Range	0
(F) Second Final Flow Pressure	67.8 PSI	@ (depth)	0	w/Clock No.	0
(G) Final Shut-In Pressure	441.2 PSI	Initial Opening	30		
(H) Final Hydrostatic Mud	1418.9 PSI	Initial Shut-In	45		
		Final Flow	45		
		Final Shut-In	90		

MR PAUL SIMPSON 800

Our Representative _____ TOTAL PRICE $ _____

DST# ' RECORDER# 13277

#1



This is an actual photograph of recorder chart.

POINT	PRESSURE Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1464	1466.2	PSI
(B) First Initial Flow Pressure	41	44.3	PSI
(C) First Final Flow Pressure	49	51.2	PSI
(D) Initial Closed-in Pressure	429	430.9	PSI
(E) Second Initial Flow Pressure	66	67.8	PSI
(F) Second Final Flow Pressure	66	67.8	PSI
(G) Final Closed-in Pressure	437	441.2	PSI
(H) Final Hydrostatic Mud	1414	1418.9	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 3531

Well Name & No. Roesner #17 Test No. 1 Date 12/1/90

Company Hallwood Petroleum Zone Tested LKC C

Address PO Box 378111 Denver Co 80237 Elevation 1879

Co. Rep./Geo. Jim Musgrove Cont. Red Tiger #5 Est. Ft. of Pay

Location: Sec. 9 Twp. 15S Rge. 13W Co. Russell State Ks

No. of Copies ______ Distribution Sheet ______ Yes ______ No Turnkey ______ Yes ______ No ______ Evaluation

Interval Tested 3063-3080 Drill Pipe Size

Anchor Length 17 Top Choke — 1" ______ Bottom Choke — ¾"

Top Packer Depth 3058 Hole Size — 7 7/8" ______ Rubber Size — 6 3/4"

Bottom Packer Depth 3063 Wt. Pipe I.D. — 2.7 Ft. Run 607

Total Depth 3080 Drill Collar — 2.25 Ft. Run

Mud Wt. 8.8 lb/gal. Viscosity 40 Filtrate 9.6

Tool Open @ 5:52 PM Initial Blow slid tool 6' when opened - bled off blow weak 1/8" blow died in 25 Minutes

Final Blow No blow - Flush tool - weak surface blow - built to 1/2"

Recovery — Total Feet 128 Feet of Gas in Pipe ______ Flush Tool?

Rec.	Feet Of		%gas	%oil	%water	%mud
60	Mud w/few oil specks	2	1		97	
60	Sl watery Mud			10	90	

BHT ______ °F Gravity ______ °API @ ______ °F Corrected Gravity ______ °API

RW ______ @ ______ °F Chlorides ______ ppm Recovery Chlorides ______ ppm System

(A) Initial Hydrostatic Mud	1464 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	41 PSI	@ (depth)	3065	w/Clock No.	17639
(C) First Final Flow Pressure	49 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	429 PSI	@ (depth)	3079	w/Clock No.	17652
(E) Second Initial Flow Pressure	66 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	66 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	437 PSI	Initial Opening	30	Test	550
(H) Final Hydrostatic Mud	1414 PSI	Initial Shut-In	45	Jars	200
		Final Flow	45	Safety Joint	50
		Final Shut-In	90	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	800

Approved By Jim Musgrove

Our Representative Paul Simpson

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No. ROESNER #17 Test No. 2 Date 12/2/90

Company HALLWOOD PETROLEUM Zone Tested LANSING-KS CITY

Address P.O. BOX 378111 DENVER CO 80237 Elevation 1879

Co. Rep./Geo. MR JIM MUSGROVE Cont. RED TIGER RIG #5 Est. Ft. of Pay 0

Location: Sec. 9 Twp. 15S Rge. 13W Co. RUSSELL State KANSAS

Interval Tested 3206-3250 Drill Pipe Size 4.5" XH

Anchor Length 44 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3201 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3206 Wt. Pipe I.D. — 2.7 Ft. Run 574

Total Depth 3250 Drill Collar — 2.25 Ft. Run 0

Mud Wt. 9.1 lb/gal. Viscosity 43 Filtrate 9.2

Tool Open @ 6:43 PM Initial Blow (SLID TOOL 6 FT WHEN OPENED) -1" BLOW THROUGHOUT OPENING

Final Blow VERY WEAK SURFACE BLOW

Recovery — Total Feet 40 Flush Tool? _____

Rec. 40 Feet of SLIGHTLY OIL SPECKED MUD

Rec. 0 Feet of _____

Rec. 0 Feet of _____

Rec. 0 Feet of _____

Rec. 0 Feet of _____

BHT 104 °F Gravity _____ °API @ 0 °F Corrected Gravity 0 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

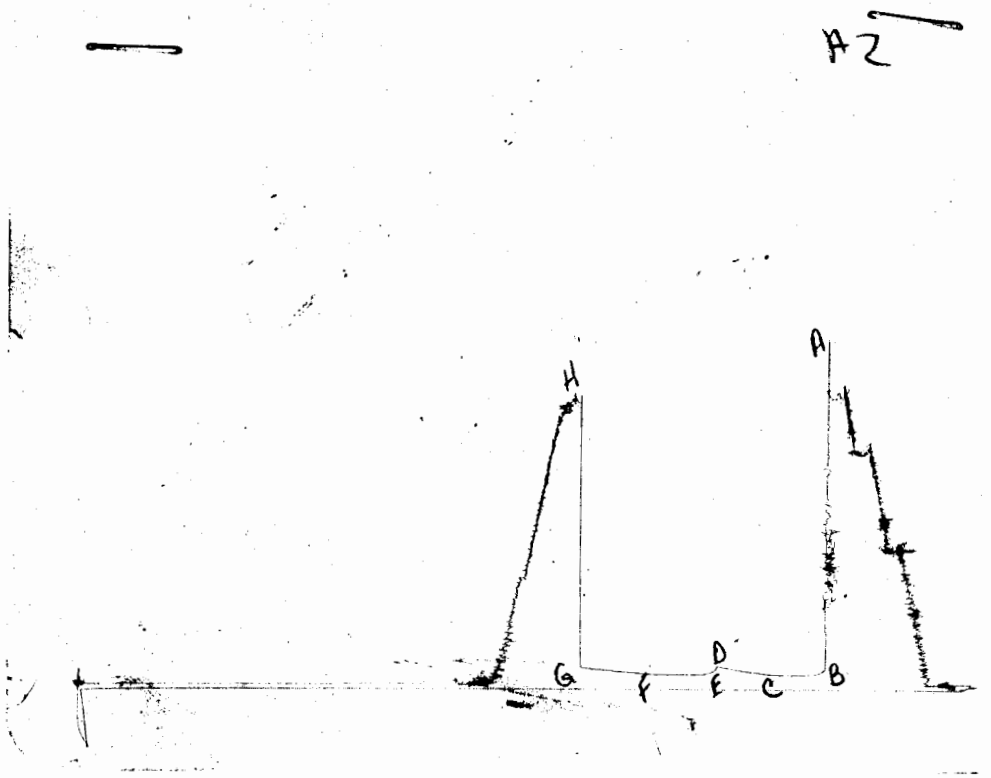
(A) Initial Hydrostatic Mud	1588.6 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	34.1 PSI	@ (depth)	3211	w/Clock No.	17639
(C) First Final Flow Pressure	44.6 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	88.7 PSI	@ (depth)	3249	w/Clock No.	27501
(E) Second Initial Flow Pressure	44.6 PSI	AK1 Recorder No.	0	Range	0
(F) Second Final Flow Pressure	44.6 PSI	@ (depth)	0	w/Clock No.	0
(G) Final Shut-In Pressure	75.9 PSI	Initial Opening	30		
(H) Final Hydrostatic Mud	1539.8 PSI	Initial Shut-In	45		
		Final Flow	45		
		Final Shut-In	_____		

MR PAUL SIMPSON 800

Our Representative _____ TOTAL PRICE $ _____

Printcraft Printers - Hays, KS

DST# 4 RECORDER# 13277



This is an actual photograph of recorder chart.

POINT	PRESSURE Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1582	1588.6	PSI
(B) First Initial Flow Pressure	33	34.1	PSI
(C) First Final Flow Pressure	41	44.6	PSI
(D) Initial Closed-In Pressure	82	88.7	PSI
(E) Second Initial Flow Pressure	41	44.6	PSI
(F) Second Final Flow Pressure	41	44.6	PSI
(G) Final Closed-In Pressure	74	75.9	PSI
(H) Final Hydrostatic Mud	1540	1539.8	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

№ 3532

Test Ticket

Well Name & No. Roesner #1 Test No. 2 Date 12/2/90

Company Hallwood Petroleum Zone Tested LKC I-J

Address _____ Elevation 1879

Co. Rep./Geo. Jim Musgrove Cont. Red Tiger #5 Est. Ft. of Pay _____

Location: Sec. 9 Twp. 15s Rge. 13w Co. Russell State _____

No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation

Interval Tested 3206-3250 Drill Pipe Size 4½ XH

Anchor Length 44 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3201 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3206 Wt. Pipe I.D. — 2.7 Ft. Run 574

Total Depth 3250 Drill Collar — 2.25 Ft. Run _____

Mud Wt. 9.1 lb / gal. Viscosity 43 Filtrate 9.2

Tool Open @ 6:43 PM Initial Blow (slid tool 6' whenopened) 1" blow throughout opening

Final Blow Very weak surface blow

Recovery — Total Feet 40 Feet of Gas in Pipe _____ Flush Tool? _____

Rec. 40	Feet Of sl oilspecked Mud	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 104 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	1582 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	33 PSI	@ (depth)	3021	w/Clock No.	17639
(C) First Final Flow Pressure	41 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	82 PSI	@ (depth)	3249	w/Clock No.	27501
(E) Second Initial Flow Pressure	41 PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	41 PSI	@ (depth)	_____	w/Clock No.	_____
(G) Final Shut-In Pressure	74 PSI	Initial Opening	30	Test	550
(H) Final Hydrostatic Mud	1546 PSI	Initial Shut-In	45	Jars	200
		Final Flow	45	Safety Joint	50
		Final Shut-In	_____	Straddle	_____
				Circ. Sub	_____
				Sampler	_____
				Extra Packer	_____
				Other	_____
				TOTAL PRICE $	800

Approved By M.A. Musgrove 12/2/90

Our Representative Tom Simpson

Printcraft Printers - Hays, KS

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No. ROESNER #17 Test No. 3 Date 12/3/90

Company HALLWOOD PETROLEUM Zone Tested ARB-GORHAM

Address P.O. BOX 378111 DENVER CO 80237 Elevation 1879

Co. Rep./Geo. MR JIM MUSGROVE Cont. RED TIGER RIG #5 Est. Ft. of Pay 0

Location: Sec. 9 Twp. 15S Rge. 13W Co. RUSSELL State KANSAS

Interval Tested 3276-3347 Drill Pipe Size 4.5" XH

Anchor Length 71 Top Choke — 1" _____ Bottom Choke — ¾" _____

Top Packer Depth 3271 Hole Size — 7⅞" _____ Rubber Size — 6¾" _____

Bottom Packer Depth 3276 Wt. Pipe I.D. — 2.7 Ft. Run 541

Total Depth 3347 Drill Collar — 2.25 Ft. Run 0

Mud Wt. 9.1 lb/gal. Viscosity 38 Filtrate 9.6

Tool Open @ 6:11 PM Initial Blow 3/4" BLOW BUILDING TO 6"

Final Blow VERY WEAK SURFACE BLOW BUILDING TO 3"

Recovery — Total Feet 330 Flush Tool? NO

Rec. 30 Feet of SLIGHTLY OIL SPECKED MUD-3%OIL/97%MUD

Rec. 125 Feet of MUD W/ OIL SPOTS

Rec. 125 Feet of SLIGHTLY WATERY MUD-5%WATER/95%MUD

Rec. 50 Feet of WATERY MUD-15%WATER/85%MUD

Rec. 0 Feet of _____

BHT _____ °F Gravity _____ °API @ 0 °F Corrected Gravity 0 °API

RW .44 @ 45 °F Chlorides 24000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	1677.8	PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	71.2	PSI	@ (depth)	3278	w/Clock No.	27501
(C) First Final Flow Pressure	99.8	PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	942.3	PSI	@ (depth)	3346	w/Clock No.	17639
(E) Second Initial Flow Pressure	133.4	PSI	AK1 Recorder No.	0	Range	0
(F) Second Final Flow Pressure	175.6	PSI	@ (depth)	0	w/Clock No.	0
(G) Final Shut-In Pressure	941.2	PSI	Initial Opening	30		
(H) Final Hydrostatic Mud	1610.2	PSI	Initial Shut-In	45		
			Final Flow	45		
			Final Shut-In	90		

MR PAUL SIMPSON

Our Representative _____

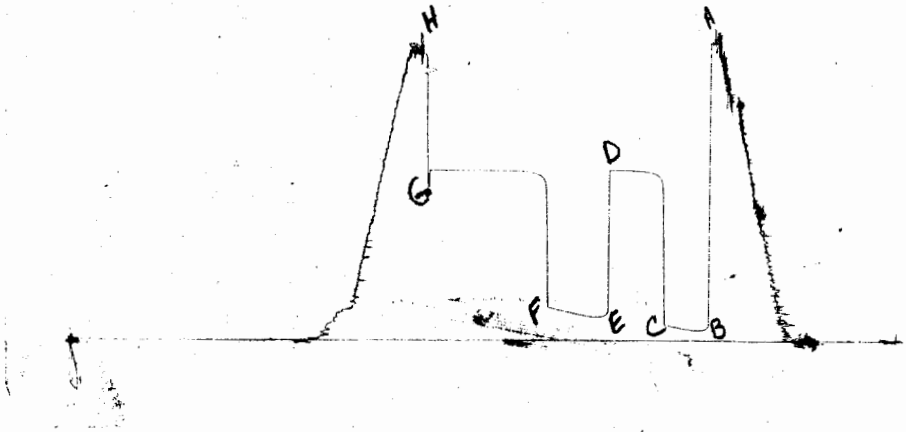
800

TOTAL PRICE $ _____

Printcraft Printers - Hays, KS

DST# 3 RECORDER# 13277

#3
13277



This is an actual photograph of recorder chart.

POINT	PRESSURE Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1673	1677.8	PSI
(B) First Initial Flow Pressure	66	71.2	PSI
(C) First Final Flow Pressure	91	99.8	PSI
(D) Initial Closed-In Pressure	937	942.3	PSI
(E) Second Initial Flow Pressure	132	133.4	PSI
(F) Second Final Flow Pressure	173	175.6	PSI
(G) Final Closed-In Pressure	937	941.2	PSI
(H) Final Hydrostatic Mud	1606	1610.2	PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

№ 3533

Test Ticket

Well Name & No. Reesner #1 Test No. 3 Date 12/3/90

Company Hallwood Petroleum Zone Tested Arbuckle Lorham

Address Elevation

Co. Rep./Geo. Jim Musgrove Cont. Red Tiger #5 Est. Ft. of Pay 4

Location: Sec. 9 Twp. 13s Rge. 13w Co. Russell State Ks

No. of Copies Distribution Sheet Yes No Turnkey Yes No Evaluation

Interval Tested 3276-3347 Drill Pipe Size 4½ XH

Anchor Length 71 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 3271 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 3276 Wt. Pipe I.D. — 2.7 Ft. Run 541

Total Depth 3347 Drill Collar — 2.25 Ft. Run

Mud Wt. 9.1 lb / gal. Viscosity 38 Filtrate 9.6

Tool Open @ 6:11 PM Initial Blow 3/4" blow building to 6"

Final Blow Very weak surface blow building to 3"

Recovery — Total Feet 330 Feet of Gas in Pipe Flush Tool? No

Rec. 30	Feet of	sl oil specked mud	%gas	3	%oil		%water	97	%mud
Rec. 25	Feet of	• mud w/oil spots	%gas	1	%oil		%water	99	%mud
Rec. 125	Feet of	sl watery mud	%gas	tr	%oil	5	%water	95	%mud
Rec. 50	Feet of	watery mud	%gas		%oil	15	%water	85	%mud
Rec.	Feet of		%gas		%oil		%water		%mud

BHT °F Gravity °API @ °F Corrected Gravity °API

RW .44 @ 45 °F Chlorides 24,000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	1673 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	66 PSI	@ (depth)	3278	w/Clock No.	27501
(C) First Final Flow Pressure	91 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	937 PSI	@ (depth)	3346	w/Clock No.	17639
(E) Second Initial Flow Pressure	132 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	173 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	937 PSI	Initial Opening	30	Test	550
(H) Final Hydrostatic Mud	1606 PSI	Initial Shut-In	45	Jars	200
		Final Flow	45	Safety Joint	50
		Final Shut-In	90	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	800

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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

Our Representative Paul Siemens

Printcraft Printers - Hays, KS

9-15-13W COPY

HALLWOOD PETROLEUM, INC.

ROESNER #17

Sec. 9-T15S-R13W
API #167-22,944

Surface:
275 sx 60/40 poz 3% cc 2% gel. Tailed w/100 sx 60/40 poz 3% cc, no gel.

Production:
200 sx common 5% EA2 10% salt, .75% Halid 322 5# per sk gilsonite in last 125 sx, 1/4# per sk Flocele.