

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raney Oil Company LLC**

3425 Tam O'Shanter Dr
Lawrence Ks 66047

ATTN: Tom Raney

5-10s-20w Rooks *W/2 E1/2 SW SW*

Robertson #2

Start Date: 2005.11.25 @ 02:15:40

End Date: 2005.11.25 @ 11:02:39

Job Ticket #: 22735

DST #: 1

15-163-23490-00-00

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 04 2007

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC.**

DRILL STEM TEST REPORT

Raney Oil Company LLC

3425 Tam O'Shanter Dr
Lawrence KS 66047

ATTN: Tom Raney

Robertson #2

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Job Ticket: 22735

DST#: 1

Test Start: 2005.11.25 @ 02:15:40

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 05:40:39

Time Test Ended: 11:02:39

Interval: **3846.00 ft (KB) To 3861.00 ft (KB) (TVD)**

Total Depth: **3861.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Reference Elevations: **2277.00 ft (KB)**

2269.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **678.90 psig @ 3847.01 ft (KB)**

Start Date: **2005.11.25**

End Date:

2005.11.25

Capacity: **7000.00 psig**

Last Calib.: **2005.11.25**

Start Time: **02:15:40**

End Time:

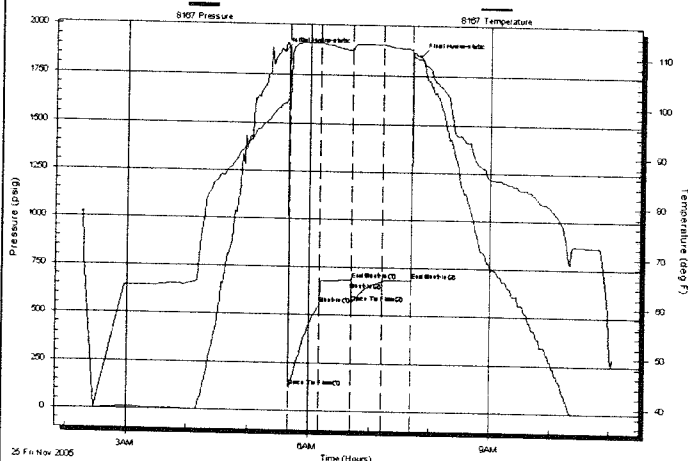
11:02:39

Time On Btm: **2005.11.25 @ 05:35:09**

Time Off Btm: **2005.11.25 @ 07:49:39**

TEST COMMENT: IFP-strg bl in 1 min
FFP-strg bl in 7 min
Times 30-30-30-30
ISIP- no bl on shut-in FSIP-surface bl bk

Pressure vs. Time



PRESSURE SUMMARY

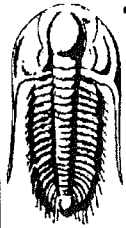
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.22	100.46	Initial Hydro-static
6	124.35	100.89	Open To Flow (1)
35	557.73	112.56	Shut-In (1)
67	684.59	111.21	End Shut-In (1)
67	565.22	111.21	Open To Flow (2)
98	678.90	112.35	Shut-In (2)
127	686.59	111.48	End Shut-In (2)
135	1853.37	109.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	CO	1.12
250.00	HO&GCMW 10G40%O45%W5%M	3.51
280.00	HO&GCMW 10G30%O55%W5%M	3.93
960.00	water RW 4@37F	13.47

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TOOL DIAGRAM

Raney Oil Company LLC

Robertson #2

3425 Tam O'Shanter Dr
Lawrence Ks 66047

5-10s-20w Rooks

Job Ticket: 22735

DST#: 1

ATTN: Tom Raney

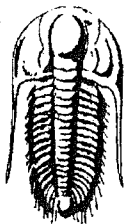
Test Start: 2005.11.25 @ 02:15:40

Tool Information

Drill Pipe:	Length: 3846.00 ft	Diameter: 3.80 inches	Volume: 53.95 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 53.95 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3846.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.02 ft				
Tool Length:	35.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3831.00	
Hydraulic tool	5.00			3836.00	
Packer	5.00			3841.00	20.00 Bottom Of Top Packer
Packer	5.00			3846.00	
Stubb	1.00			3847.00	
Recorder	0.01	8167	Inside	3847.01	
Perforations	11.00			3858.01	
Recorder	0.01	13534	Outside	3858.02	
Bullnose	3.00			3861.02	15.02 Bottom Packers & Anchor
Total Tool Length:	35.02				



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FLUID SUMMARY

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Job Ticket: 22735

DST#: 1

ATTN: Tom Raney

Test Start: 2005.11.25 @ 02:15:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 10.46 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

24 deg API

Water Salinity:

32000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	CO	1.122
250.00	HO&GCMW 10G40%O45%W5%M	3.507
280.00	HO&GCMW 10G30%O55%W5%M	3.928
960.00	water RW .4@37F	13.466

Total Length: 1570.00 ft

Total Volume: 22.023 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

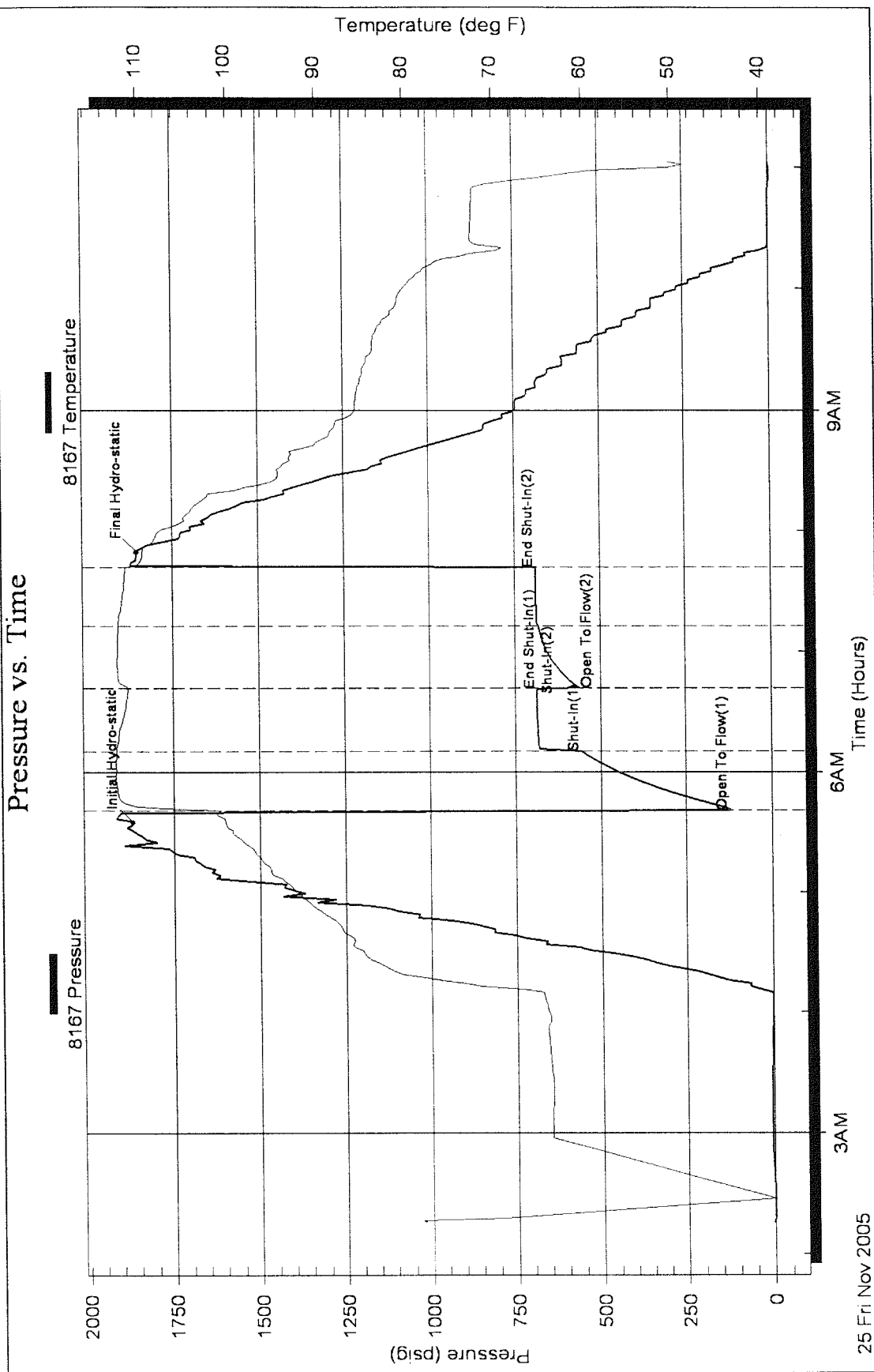
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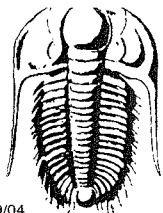
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22735

Test Ticket

Well Name & No. Robertson #2 Test No. 1 Date 11-25-05
 Company Raney Oil Company LLC Zone Tested Arbuckle
 Address 3425 Lam O'Shanter Dr. Lawrence, KS 66047 Elevation 2277 KB 2269 GL
 Co. Rep / Geo. Duane Stecklein Cont. American Eagle 1 Est. Ft. of Pay — Por. — %
 Location: Sec. 5 Twp. 10^s Rge. 20^w Co. Rooks State Ks
 No. of Copies Reg Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 3846-3861 Initial Str Wt./Lbs. 54000 Unseated Str Wt./Lbs. 62000
 Anchor Length 15 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 3841 Tool Weight 2200
 Bottom Packer Depth 3846 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3861 Wt. Pipe Run — Drill Collar Run —
 Mud Wt. 9.4 LCM — Vis. 48 WL 10.5 Drill Pipe Size 4 1/2 X H Ft. Run 3846
 Blow Description IFP - STRONG Blow in 1 min
FFP - STRONG Blow in 7 min
ISIP - NO Blow on shut-in
FSIP - SURFACE Blow Back

Recovery - Total Feet 1570 GIP — Ft. in DC — Ft. in DP 1570
 Rec. 80 Feet of CO %gas — %oil — %water — %mud —
 Rec. 250 Feet of H₂O + GCMW 10 %gas 40 %oil 45 %water 5 %mud —
 Rec. 280 Feet of H₂O + GCMW 10 %gas 30 %oil 55 %water 5 %mud —
 Rec. 960 Feet of WATER %gas — %oil — %water — %mud —
 Rec. — Feet of — %gas — %oil — %water — %mud —
 BHT 111 °F Gravity 24 °API D @ 60 °F Corrected Gravity 24 °API
 RW .4 @ 37 °F Chlorides 32000 ppm Recovery — Chlorides 3000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1869	PSI	8167	✓
(B) First Initial Flow Pressure	124	PSI	(depth) 3847	Jars
(C) First Final Flow Pressure	557	PSI	Recorder No. 13534	Safety Jt.
(D) Initial Shut-In Pressure	684	PSI	(depth) 3858	Circ Sub
(E) Second Initial Flow Pressure	565	PSI	Recorder No. —	Sampler
(F) Second Final Flow Pressure	678	PSI	(depth) —	Straddle
(G) Final Shut-In Pressure	686	PSI	Initial Opening 30	Ext. Packer
(Q) Final Hydrostatic Mud	1853	PSI	Initial Shut-In 30	Shale Packer

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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 Don Culver

Our Representative RAY SCHWAGER Thank you

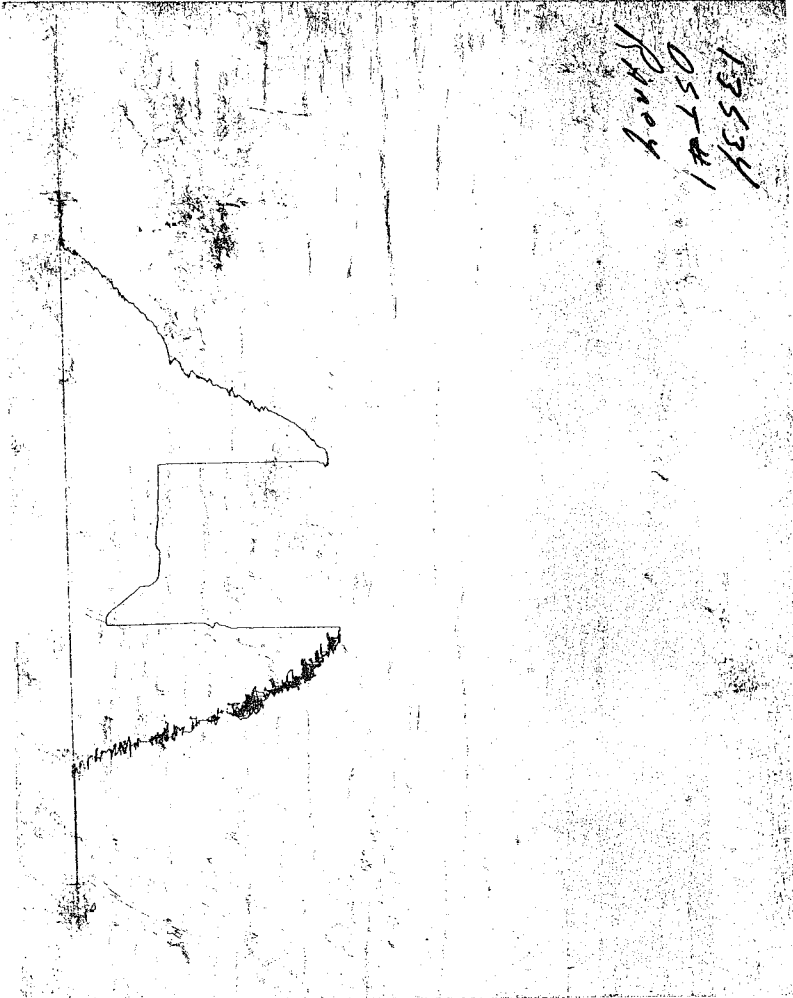
Final Flow 30
 Final Shut-In 30
 T-On Location 0030
 T-Started 0215
 T-Open 0540
 T-Pulled 0740
 T-Out 1102

Sub Total: RECEIVED
 Std. By KANSAS CORPORATION COMMISSION
 Other DEC 04 2007
 Total: —

CONSERVATION DIVISION
 WICHITA, KS

CHART PAGE

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



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KANSAS CORPORATION COMMISSION

DEC 04 2007

CONSERVATION DIVISION
WICHITA, KS