15-163-23394

8-10s-19w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Paul Bowman Oil**

801 Codell Rd
Codell, KS 67663

ATTN: Mike Davignon

8-10s-19w-Rooks

Pekarek #1

Start Date: 2004.02.03 @ 18:54:38

End Date: 2004.02.04 @ 01:24:38

Job Ticket #: 18367 DST #: 1

Paul Bowman Oil

Pekarek #1

8-10s-19w-Rooks

DST # 1

Arbuckle

2004.02.03

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Paul Bowman Oil

801 Codell Rd
Codell, KS 67663

ATTN: Mike Davignon

Pekarek #1

8-10s-19w-Rooks

Job Ticket: 18367 **DST#: 1**

Test Start: 2004.02.03 @ 18:54:38

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:46:38
Time Test Ended: 01:24:38

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 3747.00 ft (KB) To 3765.00 ft (KB) (TVD)
Total Depth: 3765.00 ft (KB) (TVD)
Hole Diameter: 6.80 inches Hole Condition: Good

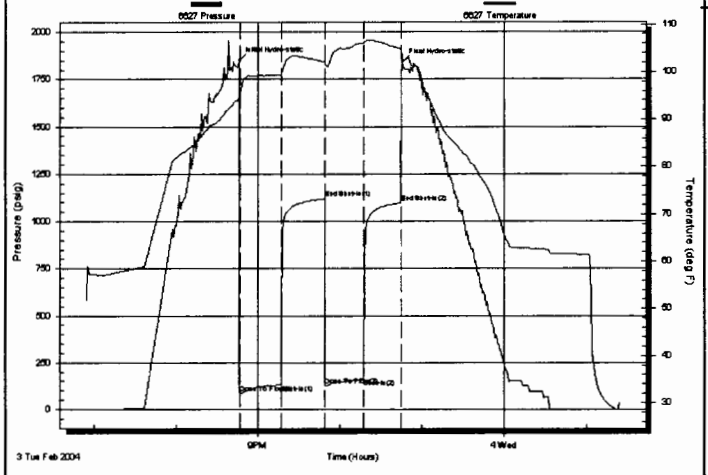
Reference Elevations: 2226.00 ft (KB)
2220.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6627 **Inside**

Press@RunDepth: 161.58 psig @ 3749.00 ft (KB)
Start Date: 2004.02.03 End Date: 2004.02.04
Start Time: 18:54:40 End Time: 01:24:38

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.02.03 @ 20:46:08
Time Off Btm: 2004.02.03 @ 22:45:23

TEST COMMENT: IFP-Good Blow , Built to 8", No Blow back
FFP- Fair Blow , Built to 5", Surface Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.90	94.77	Initial Hydro-static
1	86.64	94.69	Open To Flow (1)
31	131.20	99.47	Shut-In(1)
63	1119.90	102.18	End Shut-In(1)
63	126.68	101.62	Open To Flow (2)
92	161.58	106.07	Shut-In(2)
119	1097.70	104.90	End Shut-In(2)
120	1838.46	103.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Oily Mud 20% Oil	0.89
120.00	Muddy Oil 10-15% Mud	1.64

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Paul Bowman Oil

801 Codell Rd
Codell, KS 67663

ATTN: Mike Davignon

Pekarek #1

8-10s-19w-Rooks

Job Ticket: 18367 **DST#: 1**

Test Start: 2004.02.03 @ 18:54:38

Tool Information

Drill Pipe:	Length:	3575.00 ft	Diameter:	3.80 inches	Volume:	50.15 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	185.00 ft	Diameter:	2.25 inches	Volume:	0.91 bbl	Weight to Pull Loose:		52000.00 lb
					Total Volume:	51.06 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		34.00 ft					String Weight:	Initial	49000.00 lb
Depth to Top Packer:		3747.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		18.00 ft							
Tool Length:		39.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3727.00		
Shut In Tool	5.00			3732.00		
Hydraulic tool	5.00			3737.00		
Packer	5.00			3742.00	21.00	Bottom Of Top Packer
Packer	5.00			3747.00		
Stubb	1.00			3748.00		
Perforations	1.00			3749.00		
Recorder	0.00	6627	Inside	3749.00		
Perforations	13.00			3762.00		
Recorder	0.00	13252	Outside	3762.00		
Bullnose	3.00			3765.00	18.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Paul Bowman Oil

801 Codell Rd
Codell, KS 67663

ATTN: Mike Davignon

Pekarek #1

8-10s-19w-Rooks

Job Ticket: 18367 **DST#: 1**

Test Start: 2004.02.03 @ 18:54:38

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2350.00 ppm				
Filter Cake:	2.00 inches				

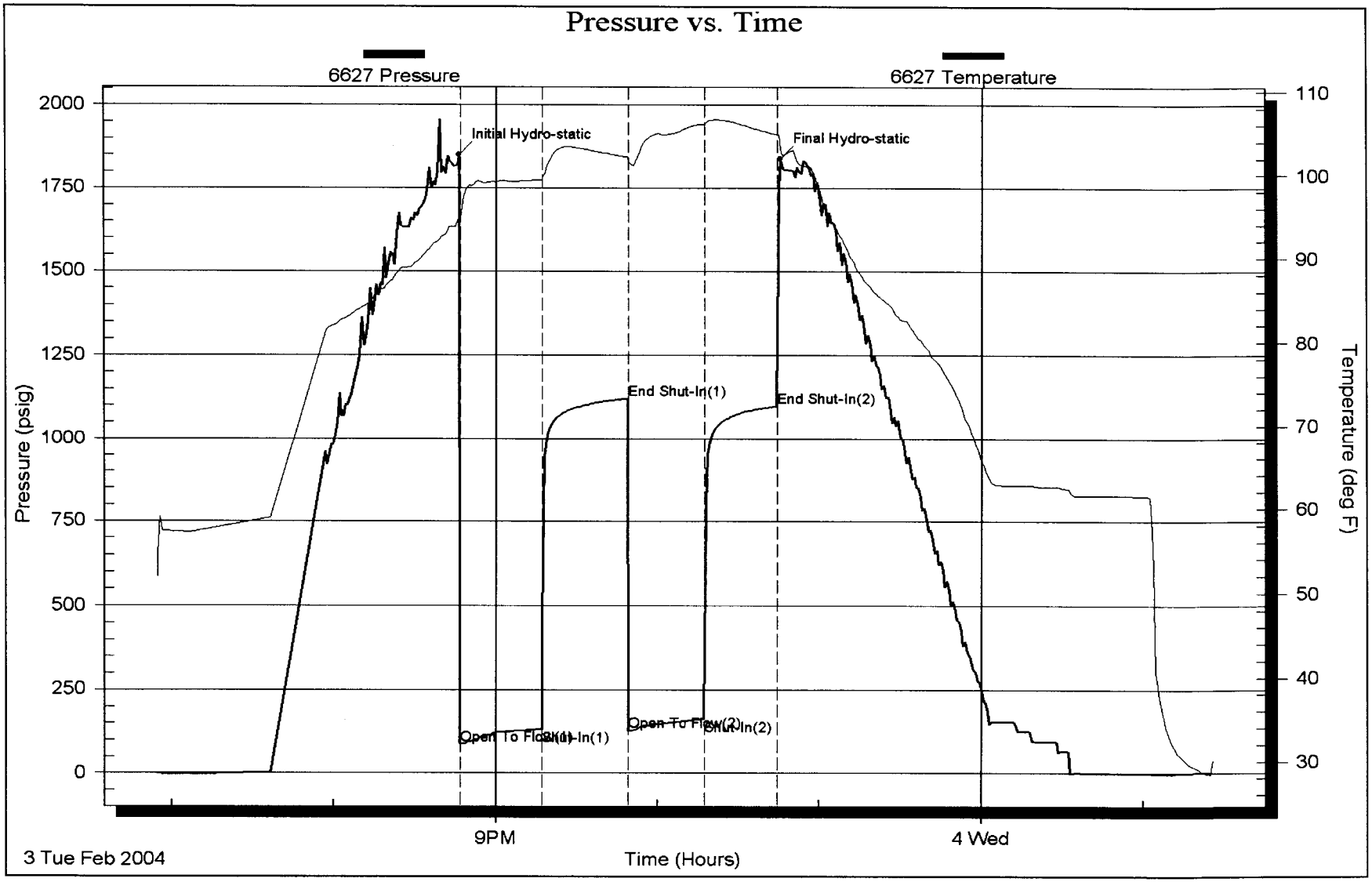
Recovery Information

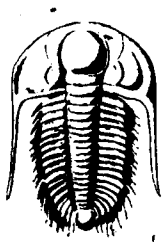
Recovery Table

Length ft	Description	Volume bbl
180.00	Oily Mud 20% Oil	0.885
120.00	Muddy Oil 10-15% Mud	1.638

Total Length: 300.00 ft Total Volume: 2.523 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6627 Pressure
6627 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
30
9PM
4 Wed
3 Tue Feb 2004
Time (Hours)



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6178

Nº 18367

05/03

Test Ticket

Well Name & No. PeKarek #1 Test No. 1 Date 2-3-04

Company Paul Bowman Oil Zone Tested Arbuckle

Address 801 Codell Road, Codell, Ks, 67663 Elevation 2226 KB 2220 GL

Co. Rep / Geo. Mike Davignon Cont. Murfin #8 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 8 Twp. 10s Rge. 19w Co. Rooks State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3747-3765 Initial Str Wt./Lbs. 49,000 Unseated Str Wt/Lbs. 50000

Anchor Length 18' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 52000

Top Packer Depth 3742 Tool Weight 2000

Bottom Packer Depth 3747 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3765 Wt. Pipe Run 0 Drill Collar Run 185

Mud Wt. 9.0 LCM 3# Vis. 53 WL 7.2 Drill Pipe Size 4½ XH Ft. Run 3575

Blow Description IFP-Good Blow, Built to 8", No Blowback

FFP-Fair Blow, Built to 5", Surface Blowback

Recovery - Total Feet 300 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 120	Feet of Muddy Oil	%gas	%oil	%water	%mud
Rec. 180	Feet of Oily 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

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

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2350 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1849	PSI	Recorder No.	6627	Test ✓
(B) First Initial Flow Pressure		87	PSI	(depth)	3749	Elec. Rec.
(C) First Final Flow Pressure		131	PSI	Recorder No.	13252	Jars
(D) Initial Shut-In Pressure		1120	PSI	(depth)	3762	Safety Jt.
(E) Second Initial Flow Pressure		127	PSI	Recorder No.		Circ Sub
(F) Second Final Flow Pressure		162	PSI	(depth)		Sampler
(G) Final Shut-In Pressure		1098	PSI	**Initial Opening**	30	Straddle
(Q) Final Hydrostatic Mud		1838	PSI	Initial Shut-In	30	Ext. Packer
				Final Flow	30	Shale Packer
				Final Shut-In	30	Mileage 41
				T-On Location	16:10	Sub Total: 919.70
				T-Started	18:54	Std. By 1hr 30
				T-Open	20:45	Other
				T-Pulled	22:45	Total: 949.70
				T-Out	1:15	

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 _____

Our Representative Jason McLemore Thank You

CHART PAGE

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