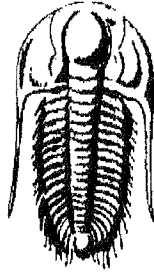


9-10s-12w

15-141-20398-00-00

KG S ✓



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

Box 1469
Plainfield, IL 60544

ATTN: Leroy Holt

9 10 12 Osborne KS

Hirst Becker Unit # 1

Start Date: 2008.12.17 @ 01:50:00

End Date: 2008.12.17 @ 08:58:30

Job Ticket #: 34360 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

APR 02 2009

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Russell Oil Inc

Hirst Becker Unit # 1

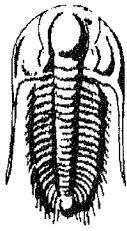
9 10 12 Osborne KS

DST # 1

A-B

LKC

2008.12.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
Box 1469
Plainfield, IL 60544
ATTN: Leroy Holt

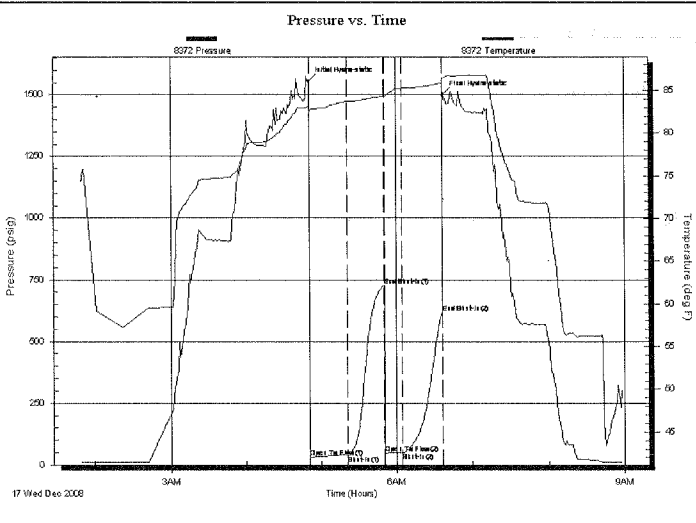
Hirst Becker Unit # 1
9 10 12 Osborne KS
Job Ticket: 34360 **DST#: 1**
Test Start: 2008.12.17 @ 01:50:00

GENERAL INFORMATION:

Formation: **A-B LKC**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 04:51:30
Time Test Ended: 08:58:30
Interval: **3087.00 ft (KB) To 3165.00 ft (KB) (TVD)**
Total Depth: 3165.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 1870.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 **Inside**
Press@RunDepth: 51.62 psig @ 3090.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.12.17 End Date: 2008.12.17 Last Calib.: 2008.12.17
Start Time: 01:50:01 End Time: 08:58:30 Time On Btm: 2008.12.17 @ 04:51:00
Time Off Btm: 2008.12.17 @ 06:38:00

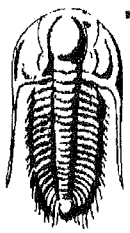
TEST COMMENT: IF-Weak died in 15 min
FF-No blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.25	83.09	Initial Hydro-static
1	29.23	82.25	Open To Flow (1)
31	37.95	83.75	Shut-In(1)
60	725.57	84.34	End Shut-In(1)
61	46.33	84.22	Open To Flow (2)
74	51.62	85.29	Shut-In(2)
106	616.93	85.90	End Shut-In(2)
107	1502.99	86.44	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
45.00	Mud w/ oil spots on top	0.63

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc
Box 1469
Plainfield, IL 60544
ATTN: Leroy Holt

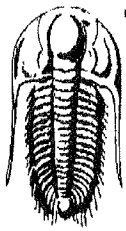
Hirst Becker Unit # 1
9 10 12 Osborne KS
Job Ticket: 34360 **DST#: 1**
Test Start: 2008.12.17 @ 01:50:00

Tool Information

Drill Pipe:	Length: 3086.00 ft	Diameter: 3.80 inches	Volume: 43.29 bbl	Tool Weight: 2000.00 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: 40000.00 lb
			<u>Total Volume: 43.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3087.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	107.00 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			3059.00	
Shut In Tool	5.00			3064.00	
Hydraulic tool	5.00			3069.00	
Jars	5.00			3074.00	
Safety Joint	3.00			3077.00	
Packer	5.00			3082.00	29.00 Bottom Of Top Packer
Packer	5.00			3087.00	
Stubb	1.00			3088.00	
Perforations	1.00			3089.00	
Change Over Sub	1.00			3090.00	
Recorder	0.00	8372	Inside	3090.00	
Recorder	0.00	8368	Outside	3090.00	
Drill Pipe	60.00			3150.00	
Change Over Sub	1.00			3151.00	
Perforations	11.00			3162.00	
Bullnose	3.00			3165.00	78.00 Bottom Packers & Anchor
Total Tool Length:	107.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc
Box 1469
Plainfield, IL 60544

ATTN: Leroy Holt

Hirst Becker Unit # 1
9 10 12 Osborne KS
Job Ticket: 34360 **DST#: 1**
Test Start: 2008.12.17 @ 01:50:00

Mud and Cushion Information

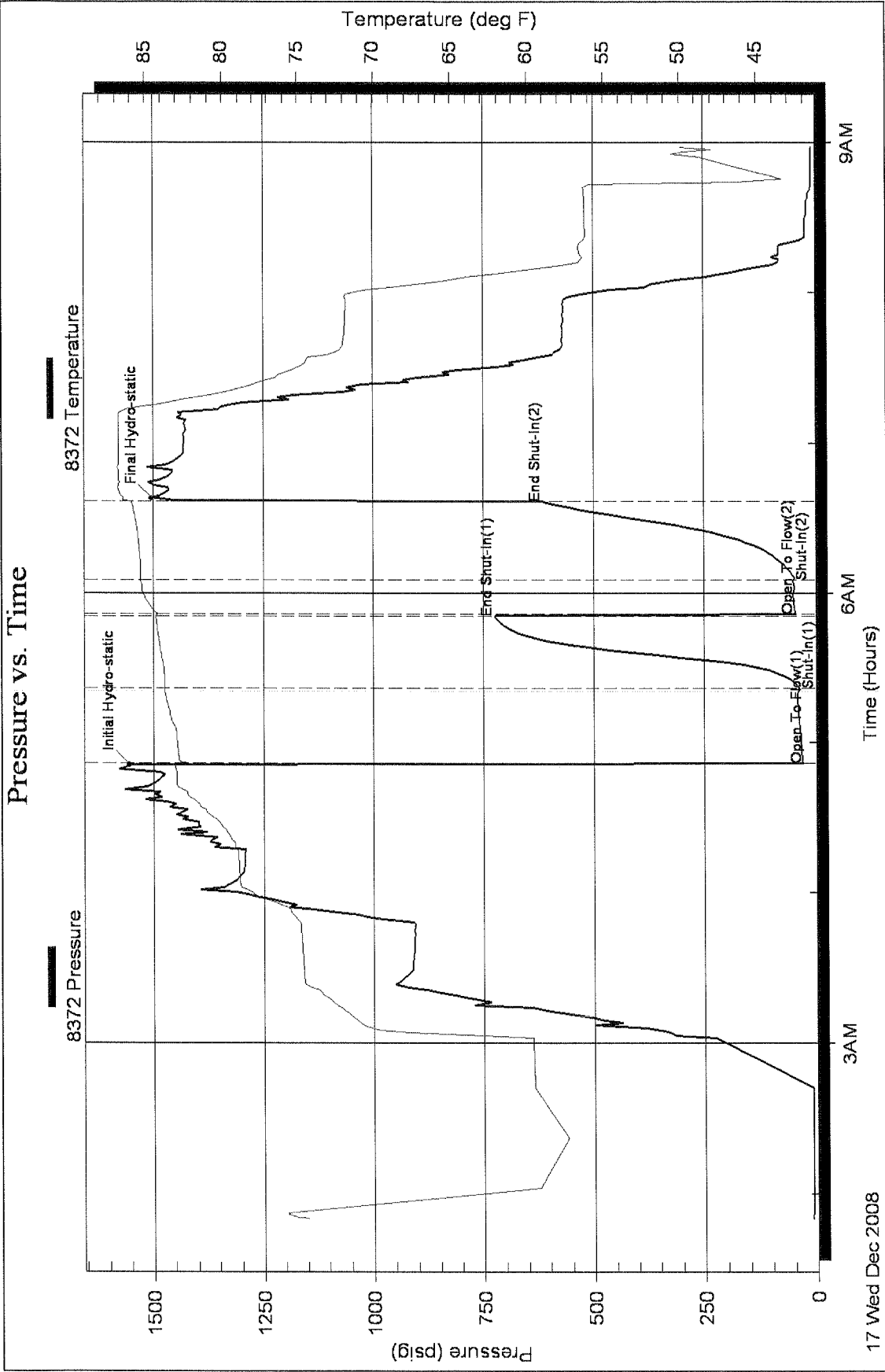
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud w/ oil spots on top	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



17 Wed Dec 2008