

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corporation**

1625 N Waterfront Pkwy.
Wichita, KS 67206-6602

ATTN: David Goldak

LPR #1-21

S21-15-33 Logan, KS

Start Date: 2012.07.17 @ 21:58:00

End Date: 2012.07.18 @ 07:52:00

Job Ticket #: 48935 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.25 @ 13:53:08

Stelbar Oil Corporation
S21-15-33 Logan, KS
LPR #1-21
DST # 3
LKC YR
2012.07.17



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Job Ticket: 48935

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Test Start: 2012.07.17 @ 21:58:00

GENERAL INFORMATION:

Formation: **LKC 'K'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:21:50

Time Test Ended: 07:52:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4123.00 ft (KB) To 4140.00 ft (KB) (TVD)**

Total Depth: **4140.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: **2923.00 ft (KB)**

2916.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **1156.25 psig @ 4127.00 ft (KB)**

Start Date: **2012.07.17**

End Date: **2012.07.18**

Capacity: **8000.00 psig**

Last Calib.: **2012.07.18**

Start Time: **21:58:02**

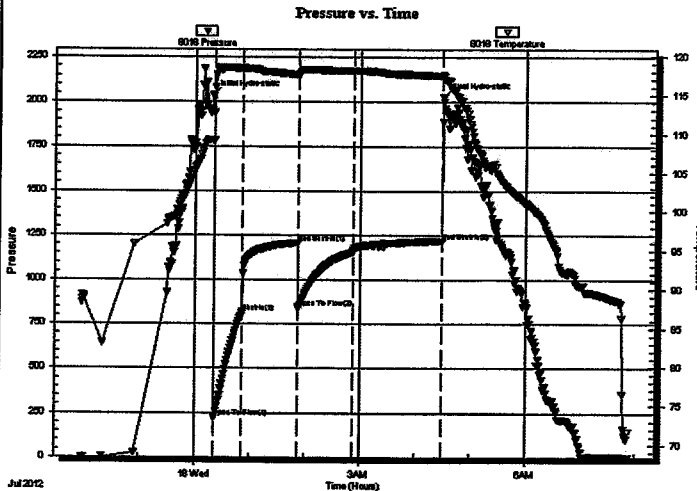
End Time: **07:52:00**

Time On Btm: **2012.07.18 @ 00:19:40**

Time Off Btm: **2012.07.18 @ 04:30:30**

TEST COMMENT: B.O.B. @ 1 1/4 min.
No return.
B.O.B. @ 2 min.
Weak return died @ 5 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.34	109.14	Initial Hydro-static
3	224.85	112.85	Open To Flow (1)
33	818.86	118.37	Shut-In(1)
93	1207.76	117.59	End Shut-In(1)
94	845.51	117.56	Open To Flow (2)
154	1156.25	118.09	Shut-In(2)
250	1217.90	117.47	End Shut-In(2)
251	2028.61	117.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2418.00	MW 10m 90w Popping gas	33.92
186.00	MW 30m 70w	2.61

* Recovery from multiple tests

Gas Rates

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



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TOOL DIAGRAM

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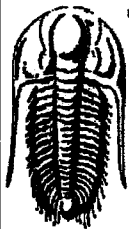
Test Start: 2012.07.17 @ 21:58:00

Tool Information

Drill Pipe:	Length: 4127.00 ft	Diameter: 3.80 inches	Volume: 57.89 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
		<u>Total Volume:</u>	<u>57.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4123.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	44.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4096.50	
Shut In Tool	5.00			4101.50	
Hydraulic tool	5.00			4106.50	
Jars	5.00			4111.50	
Safety Joint	2.50			4114.00	
Packer	5.00			4119.00	27.50 Bottom Of Top Packer
Packer	4.00			4123.00	
Stubb	1.00			4124.00	
Perforations	3.00			4127.00	
Recorder	0.00	8018	Inside	4127.00	
Recorder	0.00	6751	Outside	4127.00	
Perforations	10.00			4137.00	
Bullnose	3.00			4140.00	17.00 Bottom Packers & Anchor
Total Tool Length:	44.50				



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FLUID SUMMARY

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LPR #1-21

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DST#: 3

ATTN: David Goldak

Test Start: 2012.07.17 @ 21:58:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 10.29 in³
Resistivity: ohm.m
Salinity: 7000.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 44000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2418.00	MW 10m 90w Popping gas	33.918
186.00	MW 30m 70w	2.609

Total Length: 2604.00 ft Total Volume: 36.527 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .190 @ 63 Degrees F =44000 PPM

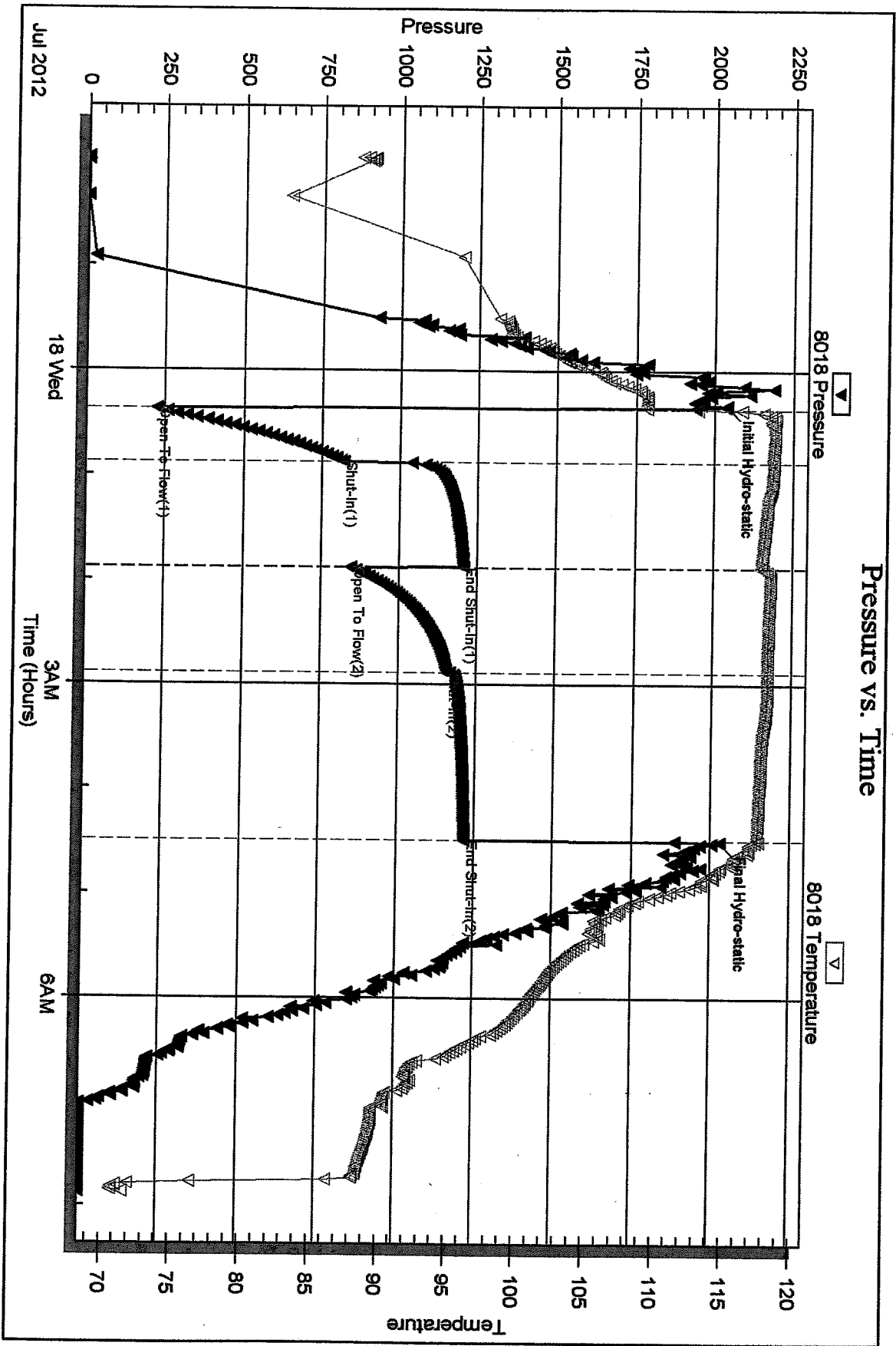
Serial #: 8018

Inside

Selbar Oil Corporation

LPR #1-21

DST Test Number: 3



Serial #: 6751

Outside Stelbar Oil Corporation

LPR#1-21

DST Test Number: 3

