

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: 2012.07.15 @ 09:45:00

End Date: 2012.07.15 @ 19:00:19

Job Ticket #: 48933 DST #: 1

Trilobite Testing, Inc

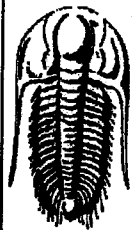
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ORIGINAL

Printed: 2012.07.25 @ 13:55:10

Stelbar Oil Corporation S21-15-33 Logan, KS LPR #1-21 DST # 1 LKC B-C 2012.07.15



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DRILL STEM TEST REPORT

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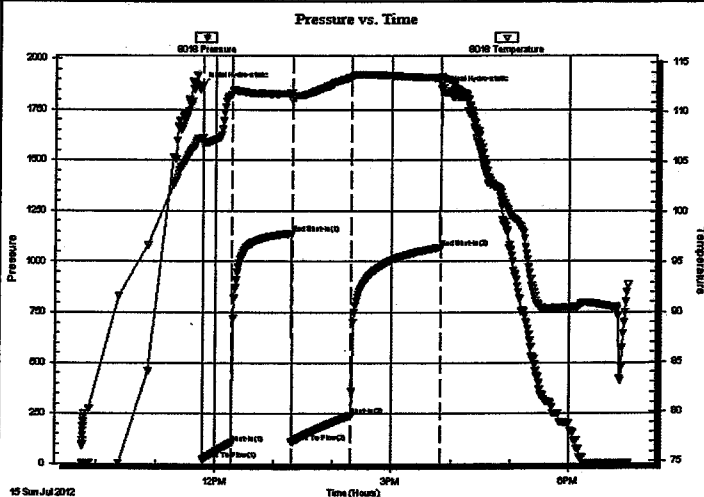
S21-15-33 Logan, KS
LPR #1-21
Job Ticket: 48933 DST#: 1
Test Start: 2012.07.15 @ 09:45:00

GENERAL INFORMATION:

Formation: **LKC B-C**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: **11:47:20**
Time Test Ended: **19:00:19**
Interval: **3911.00 ft (KB) To 3948.00 ft (KB) (TVD)**
Total Depth: **3948.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Chuck Smith**
Unit No: **62**
Reference Elevations: **2923.00 ft (KB)**
2916.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8018 **Inside**
Press@RunDepth: **242.01 psig @ 3915.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.07.15** End Date: **2012.07.15** Last Calib.: **2012.07.15**
Start Time: **09:45:02** End Time: **19:00:19** Time On Btm: **2012.07.15 @ 11:45:30**
Time Off Btm: **2012.07.15 @ 15:50:20**

TEST COMMENT: B.O.B. @ 18 1/2 min.
No return.
B.O.B. @ 30 min.
No return.



PRESSURE SUMMARY

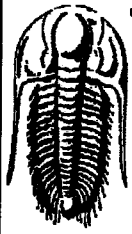
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.52	107.36	Initial Hydro-static
2	23.04	106.73	Open To Flow (1)
32	106.10	111.79	Shut-In(1)
93	1140.00	111.91	End Shut-In(1)
93	108.92	111.22	Open To Flow (2)
154	242.01	113.49	Shut-In(2)
244	1069.91	113.47	End Shut-In(2)
245	1850.64	113.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	FO 100o	0.01
240.00	OSMW 50m 50w	3.37
245.00	MVW 20m 80w	3.44

Gas Rates

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



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TOOL DIAGRAM

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S21-15-33 Logan, KS
LPR #1-21
Job Ticket: 48933 DST#: 1
Test Start: 2012.07.15 @ 09:45:00

Tool Information

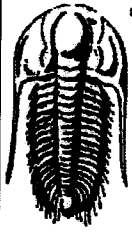
Drill Pipe:	Length: 3910.00 ft	Diameter: 3.80 inches	Volume: 54.85 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.50 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3911.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	64.50 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			3884.50	
Shut In Tool	5.00			3889.50	
Hydraulic tool	5.00			3894.50	
Jars	5.00			3899.50	
Safety Joint	2.50			3902.00	
Packer	5.00			3907.00	27.50 Bottom Of Top Packer
Packer	4.00			3911.00	
Stubb	1.00			3912.00	
Perforations	3.00			3915.00	
Recorder	0.00	8018	Inside	3915.00	
Recorder	0.00	6751	Outside	3915.00	
Perforations	30.00			3945.00	
Bullnose	3.00			3948.00	37.00 Bottom Packers & Anchor

Total Tool Length: 64.50



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FLUID SUMMARY

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S21-15-33 Logan, KS
LPR #1-21
Job Ticket: 48933 DST#: 1
Test Start: 2012.07.15 @ 09:45:00

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:	27000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.07 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	FO 100o	0.014
240.00	OSMV 50m 50w	3.367
245.00	MV 20m 80w	3.437

Total Length: 486.00 ft Total Volume: 6.818 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW: .175 @ 100 Degrees F = 27000 PPM

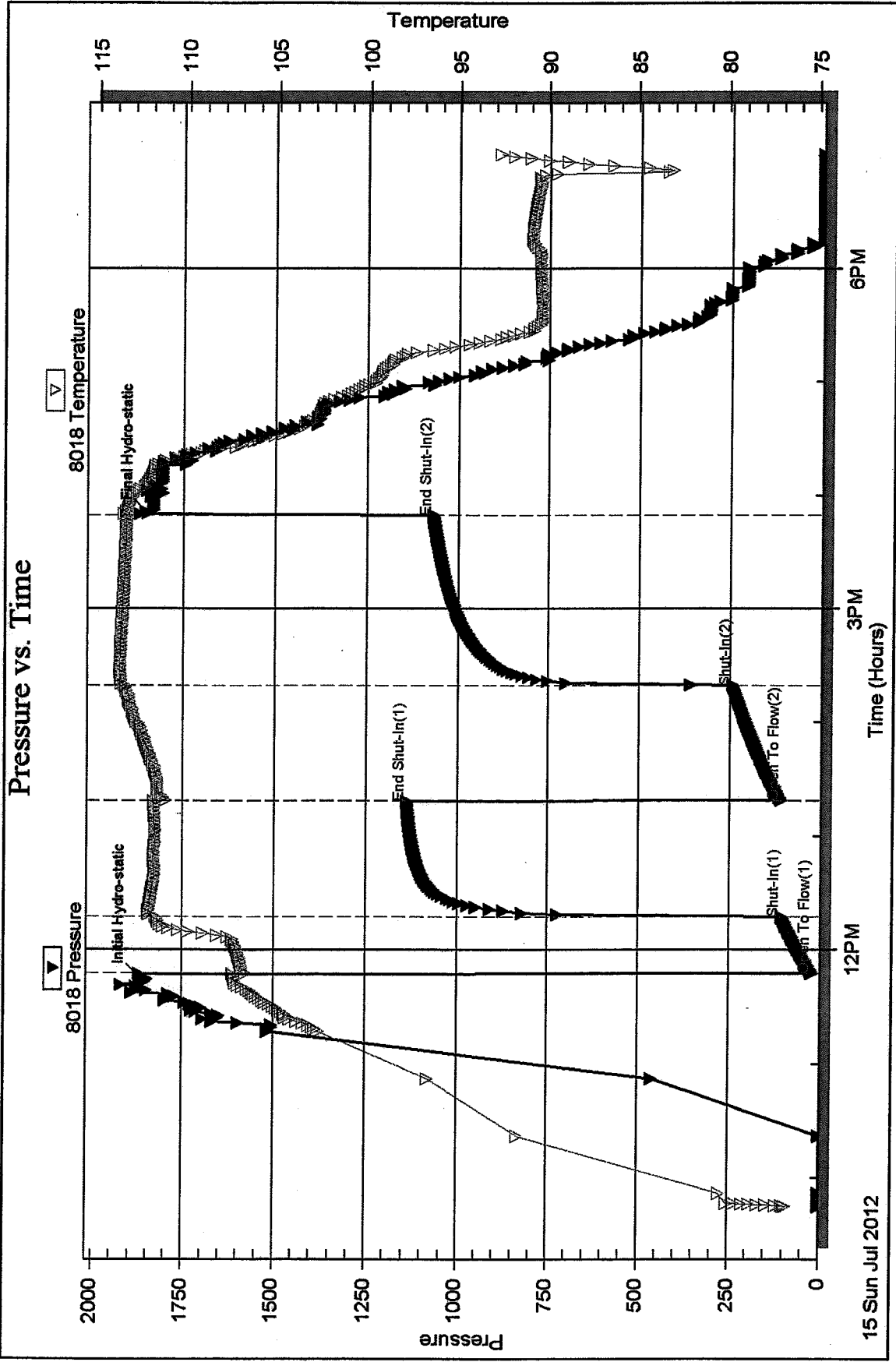
Serial #: 8018

Inside

Steibar Oil Corporation

LPR #1-21

DST Test Number: 1



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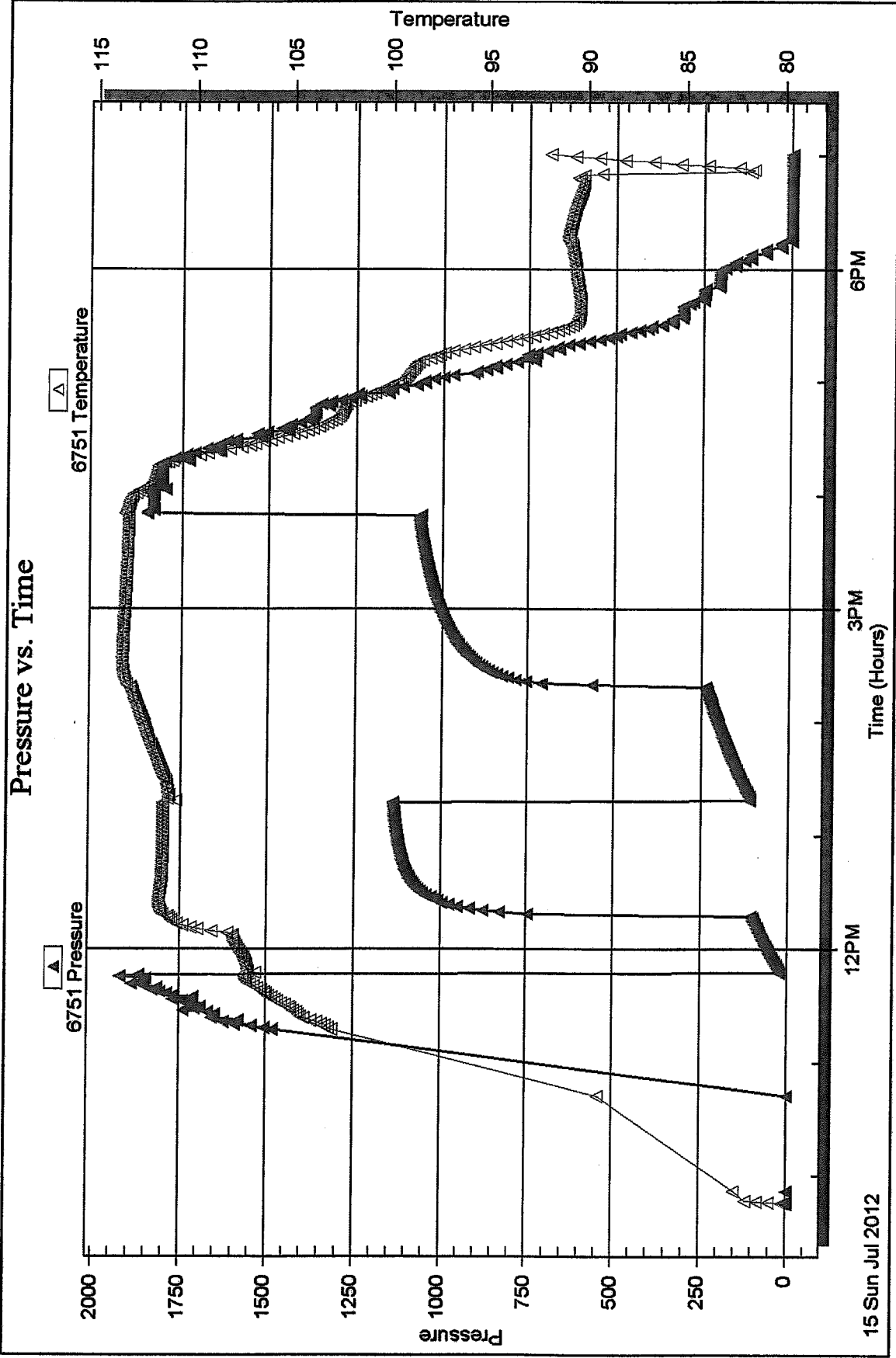
Serial #: 6751

Outside Steibar Oil Corporation

LPR #1-21

DST Test Number: 1

Pressure vs. Time



Tribble Testing, Inc

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