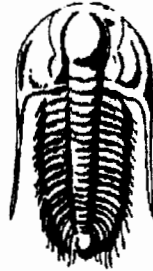


15-083-21522

9-24s-21w

11/19



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Becker Oil**

PO Box 1150
Ponca City OK 74602

ATTN: Clyde Becker

9 24S 21W Hodgmen KS

Strecker #1

Start Date: 2006.11.19 @ 19:05:13

End Date: 2006.11.20 @ 04:48:23

Job Ticket #: 25540

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Becker Oil

Strecker #1

9 24S 21W Hodgmen KS

DST # 1

Chase group

2006.11.19

Section is 9, not 3 as printed.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Becker Oil
PO Box 1150
Ponca City OK 74602
ATTN: Clyde Becker

Strecker #1
3 24S 21W Hodgmen KS
Job Ticket: 25540 **DST#: 1**
Test Start: 2006.11.19 @ 19:05:13

GENERAL INFORMATION:

Formation: **Chase group**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 22:26:38
Time Test Ended: 04:48:23

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

Interval: **2707.00 ft (KB) To 2770.00 ft (KB) (TVD)**
Total Depth: **2770.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2367.00 ft (KB)**
2361.00 ft (CF)
KB to GR/CF: **6.00 ft**

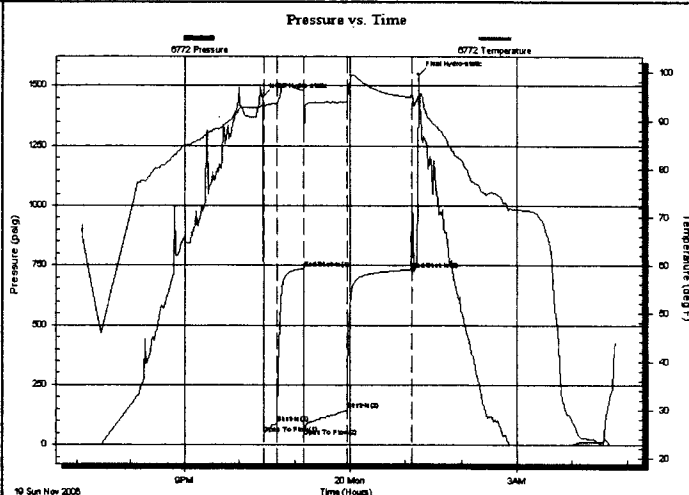
Serial #: 6772

Inside

Press@RunDepth: **144.43 psig @ 2708.00 ft (KB)**
Start Date: **2006.11.19** End Date: **2006.11.20**
Start Time: **19:05:13** End Time: **04:48:23**

Capacity: **7000.00 psig**
Last Calib.: **2006.11.20**
Time On Btm: **2006.11.19 @ 22:25:23**
Time Off Btm: **2006.11.20 @ 01:14:08**

TEST COMMENT: IF BOB in 1 min.
IS 1/4 blow built to 9 died in 20 min.
FF BOB gas to surface in 5 min.
FS BOB in 20 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1454.28	93.14	Initial Hydro-static
2	46.47	92.92	Open To Flow (1)
16	90.81	93.55	Shut-In (1)
44	734.99	96.14	End Shut-In (1)
45	68.30	85.58	Open To Flow (2)
92	144.43	93.86	Shut-In (2)
162	731.87	94.86	End Shut-In (2)
169	1546.25	95.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
244.00	MCW 60%W 40%M	1.20
211.00	GM 20%G 80%M	1.60

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	9.00	8.27
Max. Gas Rate	0.13	9.00	8.27



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil

Strecker #1

PO Box 1150
Ponca City OK 74602

3 24S 21W Hodgmen KS

Job Ticket: 25540

DST#: 1

ATTN: Clyde Becker

Test Start: 2006.11.19 @ 19:05:13

Tool Information

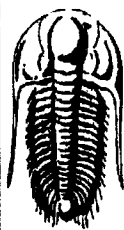
Drill Pipe:	Length: 2294.00 ft	Diameter: 3.80 inches	Volume: 32.18 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 393.00 ft	Diameter: 2.25 inches	Volume: 1.93 bbl	Weight to Pull Loose:	95000.00 lb
		Total Volume:	34.11 bbl	Tool Chased	3.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	2707.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	63.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			2681.00	
Shut In Tool	5.00			2686.00	
Hydraulic tool	5.00			2691.00	
Jars	5.00			2696.00	
Safety Joint	2.00			2698.00	
Packer	5.00			2703.00	27.00 Bottom Of Top Packer
Packer	4.00			2707.00	
Stubb	1.00			2708.00	
Recorder	0.00	6772	Inside	2708.00	
Perforations	24.00			2732.00	
Change Over Sub	1.00			2733.00	
Drill Pipe	31.00			2764.00	
Change Over Sub	1.00			2765.00	
Recorder	0.00	7437	Outside	2765.00	
Bullnose	5.00			2770.00	63.00 Bottom Packers & Anchor

Total Tool Length: 90.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil

Strecker #1

PO Box 1150
Ponca City OK 74602

3 24S 21W Hodgmen KS

Job Ticket: 25540

DST#: 1

ATTN: Clyde Becker

Test Start: 2006.11.19 @ 19:05:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

200000 ppm

Viscosity: 95.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 58000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
244.00	MCW 60%W 40%M	1.200
211.00	GM 20%G 80%M	1.602

Total Length: 455.00 ft

Total Volume: 2.802 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Becker Oil

Strecker #1

PO Box 1150
Ponca City OK 74602

3 24S 21W Hodgmen KS

Job Ticket: 25540

DST#:1

ATTN: Clyde Becker

Test Start: 2006.11.19 @ 19:05:13

Gas Rates Information

Temperature: 122 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	5	0.13	4.00	6.89
2	5	0.13	4.00	6.50
2	5	0.13	4.00	6.50
2	10	0.13	5.00	6.86
2	15	0.13	6.00	7.21
2	20	0.13	7.00	7.56
2	25	0.13	8.00	7.92
2	30	0.13	8.00	7.92
2	35	0.13	9.00	8.27
2	45	0.13	9.00	8.27

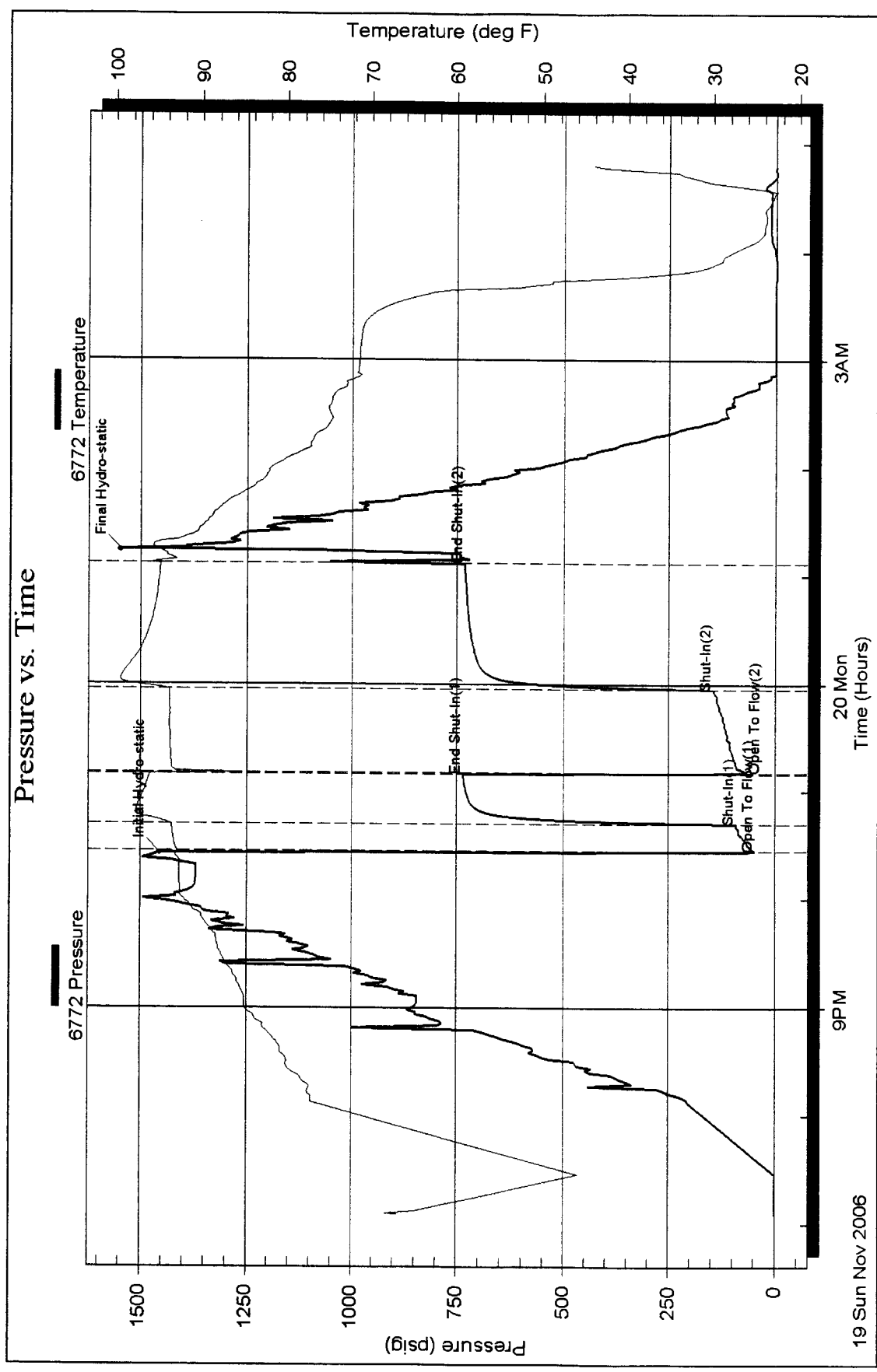
DST Test Number: 1

3 24S 21W Hodgmen KS

Becker Oil

Inside

Serial #: 6772



Ref. No: 25540

Trilobite Testing, Inc