

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

PO Box 1150
Ponca City OK 74602

ATTN: Jim Mussgrove

36 23 22 Hodgeman KS

Herrmann # 1

Start Date: 2007.12.06 @ 16:53:12

End Date: 2007.12.07 @ 00:32:51

Job Ticket #: 26352 DST #: 1

15-083-21541-0000 **CONFIDENTIAL**
2-2009

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

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ATTN: Jim Mussgrove

Herrmann # 1

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Job Ticket: 26352

DST#: 1

Test Start: 2007.12.06 @ 16:53:12

GENERAL INFORMATION:

Formation: **Krider**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:58:22

Time Test Ended: 00:32:51

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **2334.00 ft (KB) To 2398.00 ft (KB) (TVD)**

Total Depth: 2398.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2279.00 ft (KB)

2274.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 92.23 psig @ 2338.00 ft (KB)

Start Date: 2007.12.06

End Date:

2007.12.07

Start Time: 16:53:13

End Time:

00:32:52

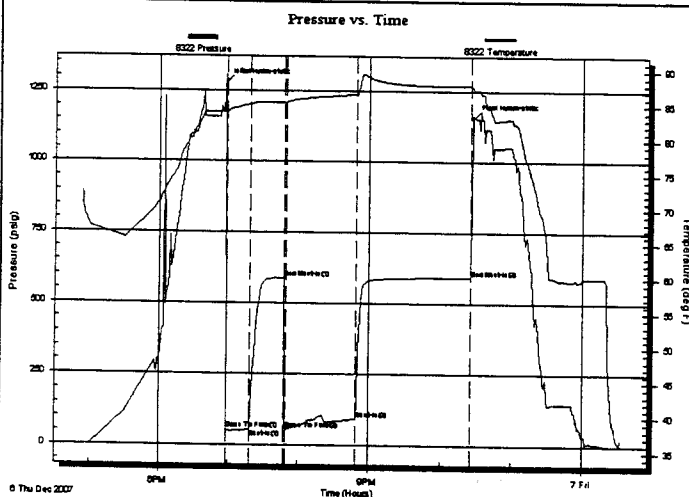
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.12.06 @ 18:57:52

Time Off Btm: 2007.12.06 @ 22:27:21

TEST COMMENT: IF BOB 2.5 min. strong steady blow
ISI No blow back
FF BOB ASAO GTS 5 min. strong steady blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1277.15	84.16	Initial Hydro-static
1	52.17	84.05	Open To Flow (1)
21	53.92	85.17	Shut-In(1)
51	587.54	85.52	End Shut-In(1)
52	52.16	85.53	Open To Flow (2)
112	92.23	86.57	Shut-In(2)
208	590.40	87.90	End Shut-In(2)
210	1158.15	87.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	100%M	0.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	6.00	7.64
Last Gas Rate	0.25	24.00	60.92
Max. Gas Rate	0.25	24.00	60.92



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TOOL DIAGRAM

Becker Oil Corporation

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Job Ticket: 26352 DST#: 1

ATTN: Jim Mussgrove

Test Start: 2007.12.06 @ 16:53:12

Tool Information

Drill Pipe:	Length: 2050.00 ft	Diameter: 3.80 inches	Volume: 28.76 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:	20000.00 lb
Drill Collar:	Length: 284.00 ft	Diameter: 2.25 inches	Volume: 1.40 bbl	Weight to Pull Loose:	64000.00 lb
		Total Volume:	30.16 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	2334.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	84.00 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			2315.00	
Shut In Tool	5.00			2320.00	
Hydraulic tool	5.00			2325.00	
Packer	5.00			2330.00	20.00 Bottom Of Top Packer
Packer	4.00			2334.00	
Stubb	1.00			2335.00	
Perforations	3.00			2338.00	
Recorder	0.00	8322	Inside	2338.00	
Recorder	0.00	6753	Inside	2338.00	
Perforations	25.00			2363.00	
Change Over Sub	1.00			2364.00	
Drill Pipe	30.00			2394.00	
Change Over Sub	1.00			2395.00	
Bullnose	3.00			2398.00	64.00 Bottom Packers & Anchor
Total Tool Length:		84.00			



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FLUID SUMMARY

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Job Ticket: 26352

DST#: 1

ATTN: Jim Mussgrove

Test Start: 2007.12.06 @ 16:53:12

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:

1650 ppm

Viscosity: 28.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	100%M	0.610

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW=3.42@71F=1650ppm



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GAS RATES

Becker Oil Corporation

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Job Ticket: 26352 **DST#: 1**

ATTN: Jim Mussgrove

Test Start: 2007.12.06 @ 16:53:12

Gas Rates Information

Temperature: 59 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	10	0.13	6.00	7.64
2	20	0.13	15.00	11.00
2	30	0.25	20.00	54.57
2	40	0.25	22.00	57.75
2	50	0.25	24.00	60.92
2	60	0.25	24.00	60.92

204670

DST Test Number: 1

36 23 22 Hodgeman KS

Becker Oil Corporation

Inside

Serial #: 8322

