

15-083-21482



**TRILOBITE
TESTING, INC.**

RECEIVED
OCT 20 2003
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corp**

122 E. Grand Ste 212
Ponca City, Okla 74601

ORIGINAL

ATTN: Clyde Becker

16-21-22-Hodgeman-Ks

#1-A Wieland

Start Date: 2003.05.16 @ 04:56:53

End Date: 2003.05.16 @ 14:43:48

Job Ticket #: 17007 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Becker Oil Corp

#1-A Wieland

16-21-22-Hodgeman-Ks

DST # 1

Krider

2003.05.16

ORIGINAL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Becker Oil Corp
 122 E. Grand Ste 212
 Ponca City, Okla 74601
 ATTN: Clyde Becker

#1-A Wieland
16-21-22-Hodgeman-Ks
 Job Ticket: 17007 **DST#: 1**
 Test Start: 2003.05.16 @ 04:56:53

GENERAL INFORMATION:

Formation: **Krider**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 08:30:48
 Time Test Ended: 14:43:48
 Interval: **2322.00 ft (KB) To 2380.00 ft (KB) (TVD)**
 Total Depth: **2380.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

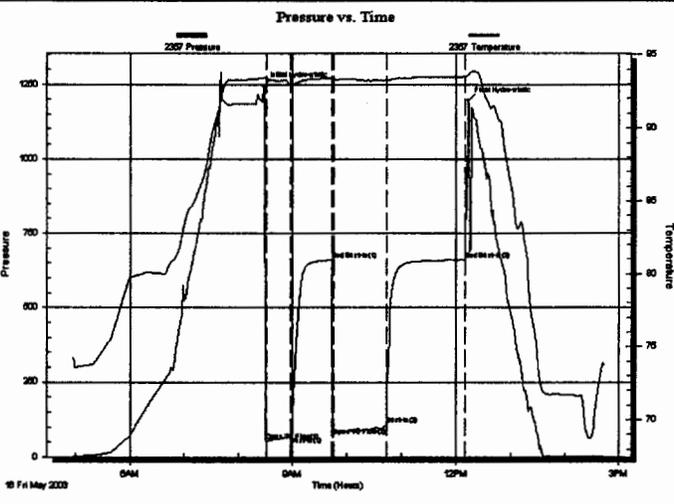
Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **21**
 Reference Elevations: **2288.00 ft (KB)**
 2283.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 2357

Inside
 Press@RunDepth: **108.75 psig @ 2357.00 ft (KB)**
 Start Date: **2003.05.16** End Date: **2003.05.16**
 Start Time: **04:56:53** End Time: **14:43:48**

Capacity: **7000.00 psig**
 Last Calib.: **2003.05.16**
 Time On Btrn: **2003.05.16 @ 08:27:48**
 Time Off Btrn: **2003.05.16 @ 12:13:17**

TEST COMMENT: F-Strong BOB in 12 min
 FF-Strong BOB in 2 min-GTS in 11 min TSTM
 Times-30-45-60-90



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1245.01	93.43	Initial Hydro-static
3	53.85	93.37	Open To Flow (1)
31	68.67	92.91	Shut-in(1)
75	659.38	93.40	End Shut-in(1)
77	68.91	93.34	Open To Flow (2)
136	108.75	93.23	Shut-in(2)
223	660.12	93.50	End Shut-in(2)
226	1194.66	93.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Gsy Mud	1.03

Gas Rates

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

 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Becker Oil Corp 122 E. Grand Ste 212 Ponca City, Okla 74601 ATTN: Clyde Becker	#1-A Wieland 16-21-22-Hodgeman-Ks Job Ticket: 17007 DST#: 1 Test Start: 2003.05.16 @ 04:56:53	

Tool Information

Drill Pipe:	Length: 1754.00 ft	Diameter: 3.80 inches	Volume: 24.60 bbl	Tool Weight: 1400.00 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: 580.00 ft	Diameter: 2.25 inches	Volume: 2.85 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 27.45 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2322.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2302.00	
S.I. Tool	5.00			2307.00	
HMV	5.00			2312.00	
Packer	5.00			2317.00	21.00 Bottom Of Top Packer
Packer	5.00			2322.00	
Stubb	1.00			2323.00	
Perforations	3.00			2326.00	
Blank Spacing	31.00			2357.00	
Recorder	0.00	2357	Inside	2357.00	
Perforations	20.00			2377.00	
Recorder	0.00	13254	Outside	2377.00	
Bullnose	3.00			2380.00	58.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17007 DST#: 1
Test Start: 2003.05.16 @ 04:56:53

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	12.18 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	38000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Gsy Mud	1.033

Total Length: 210.00 ft Total Volume: 1.033 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 2357

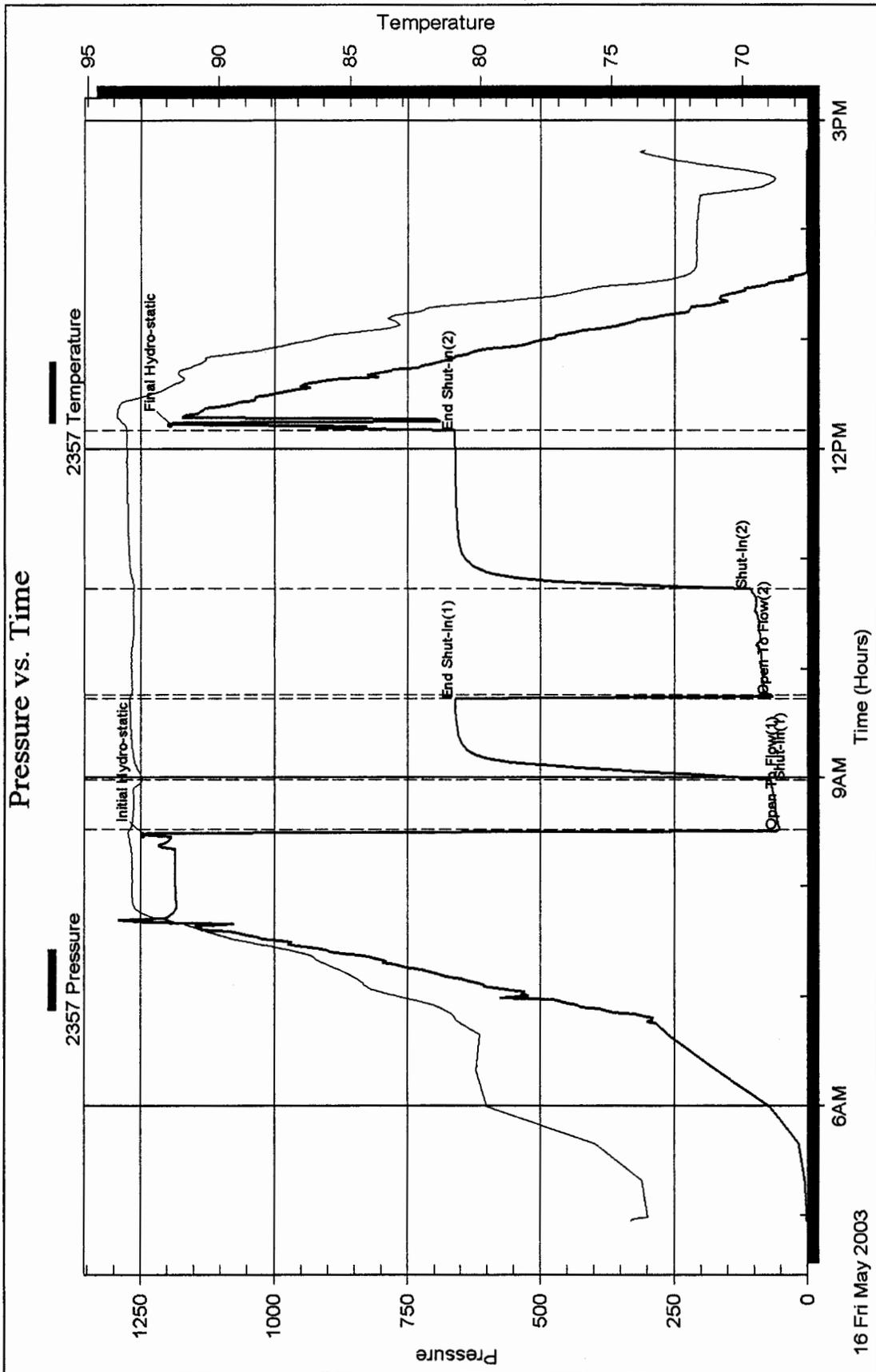
Inside

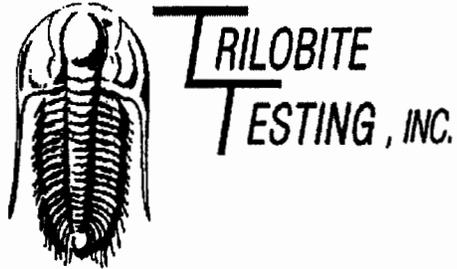
Becker Oil Corp

16-21-22-Hodgeman-Ks

DST Test Number: 1

Pressure vs. Time





RECEIVED
OCT 20 2003
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corp**

122 E. Grand Ste 212
Ponca City, Okla 74601

ATTN: Clyde Becker

16-21-22-Hodgeman-Ks

#1-A Wieland

Start Date: 2003.05.16 @ 20:31:55

End Date: 2003.05.17 @ 05:15:55

Job Ticket #: 17008 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

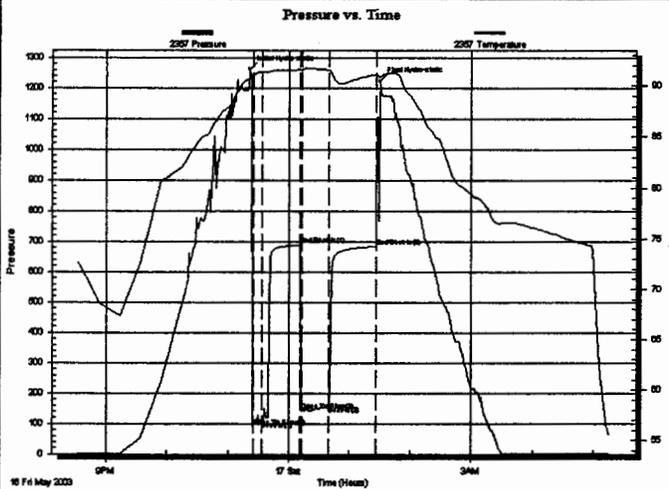
#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17008 **DST#: 2**
Test Start: 2003.05.16 @ 20:31:55

GENERAL INFORMATION:

Formation: **Winfield**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:24:55
Time Test Ended: 05:15:55
Interval: **2400.00 ft (KB) To 2452.00 ft (KB) (TVD)**
Total Depth: 2380.02 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 2288.00 ft (KB)
2283.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Serial #: 2357 **Inside**
Press@RunDepth: 160.28 psig @ 2435.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2003.05.16 End Date: 2003.05.17 Last Calib.: 2003.05.17
Start Time: 20:32:00 End Time: 05:15:55 Time On Btm: 2003.05.16 @ 23:21:25
Time Off Btm: 2003.05.17 @ 01:29:55

TEST COMMENT: IF-Strong BOB in 1 min-GTS in 8 min-Gauged
FFStrong-BOB in 1 min-Gas sample taken
Times-20-30-30-45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1262.34	90.69	Initial Hydro-static
4	89.16	91.12	Open To Flow (1)
12	107.43	91.35	Shut-in(1)
50	688.36	91.58	End Shut-in(1)
52	142.25	91.58	Open To Flow (2)
78	160.28	91.51	Shut-in(2)
125	683.67	91.12	End Shut-in(2)
129	1223.36	90.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Gsy Mud	1.33

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	3.00	271.79
Last Gas Rate	0.75	23.00	584.18
Max. Gas Rate	0.75	23.00	584.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17008 DST#: 2
Test Start: 2003.05.16 @ 20:31:55

Tool Information

Drill Pipe:	Length: 1820.00 ft	Diameter: 3.80 inches	Volume: 25.53 bbl	Tool Weight: 1300.00 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: 580.00 ft	Diameter: 2.25 inches	Volume: 2.85 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 28.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2400.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2380.00	
S.I. Tool	5.00			2385.00	
HMV	5.00			2390.00	
Packer	5.00			2395.00	21.00 Bottom Of Top Packer
Packer	5.00			2400.00	
Stubb	1.00			2401.00	
Perforations	3.00			2404.00	
Blank Spacing	31.00			2435.00	
Recorder	0.00	2357	Inside	2435.00	
Perforations	15.00			2450.00	
Recorder	0.00	13254	Outside	2450.00	
Bullnose	3.00			2453.00	53.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17008 **DST#: 2**
Test Start: 2003.05.16 @ 20:31:55

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 38000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	Gsy Mud	1.328

Total Length: 270.00 ft Total Volume: 1.328 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 Corp

#1-A Wieland

122 E. Grand Ste 212
Ponca City, Okla 74601

16-21-22-Hodgeman-Ks

Job Ticket: 17008

DST#: 2

ATTN: Clyde Becker

Test Start: 2003.05.16 @ 20:31:55

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)
1	8	0.75	3.00	271.79
1	15	0.75	6.00	318.64
1	20	0.75	11.00	396.74
2	5	0.75	22.00	568.56
2	10	0.75	23.00	584.18
2	15	0.75	23.00	584.18
2	20	0.75	23.00	584.18
2	25	0.75	23.00	584.18
2	30	0.75	23.00	584.18

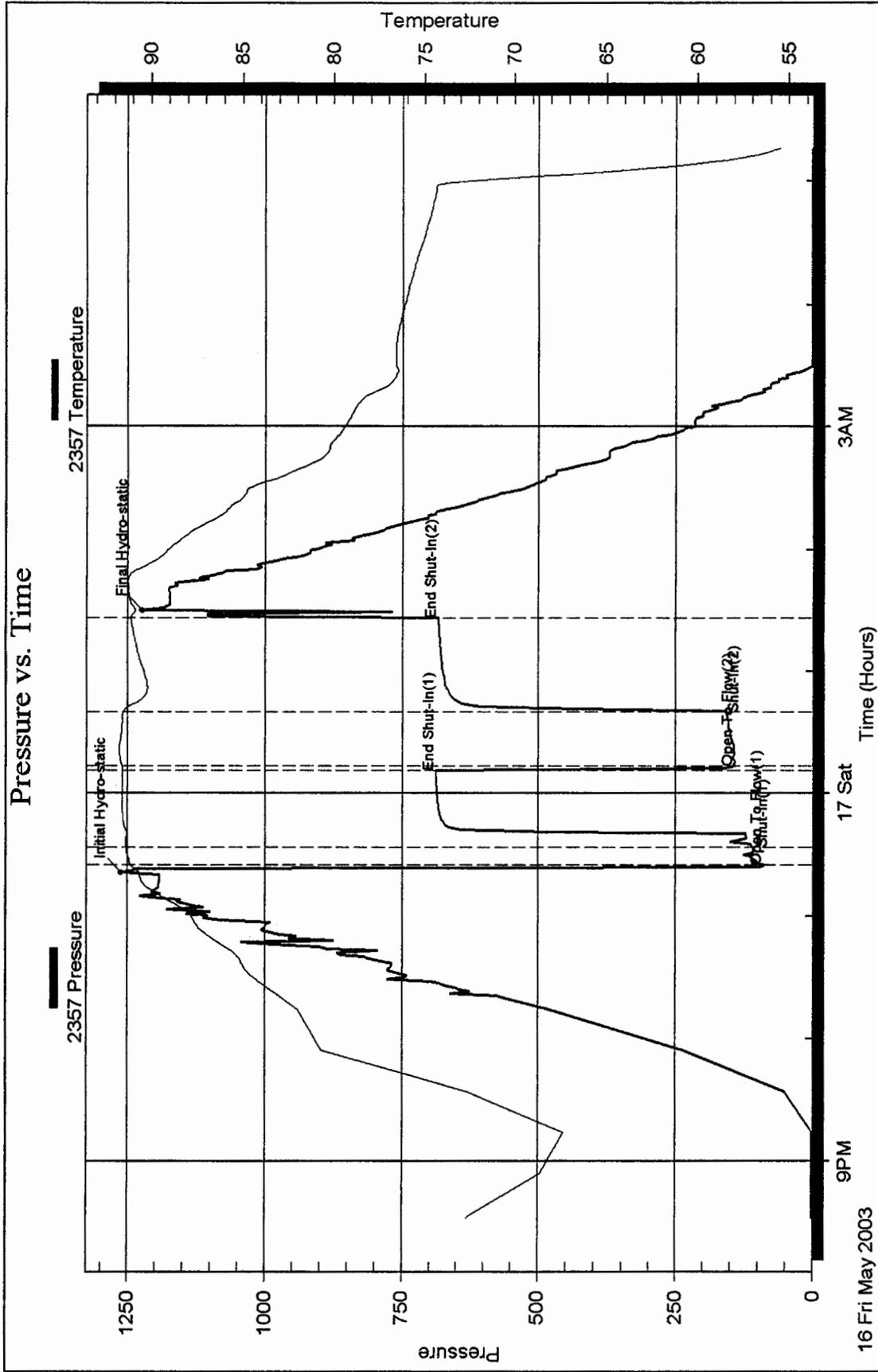
Serial #: 2357

Inside

Becker Oil Corp

16-21-22-Hodgeman-Ks

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

RECEIVED
OCT 20 2003
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corp**

122 E. Grand Ste 212
Ponca City, Okla 74601

ATTN: Clyde Becker

16-21-22-Hodgeman-Ks

#1-A Wieland

Start Date: 2003.05.17 @ 11:40:16

End Date: 2003.05.17 @ 18:08:46

Job Ticket #: 17009 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Becker Oil Corp

#1-A Wieland

16-21-22-Hodgeman-Ks

DST # 3

Towanda

2003.05.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

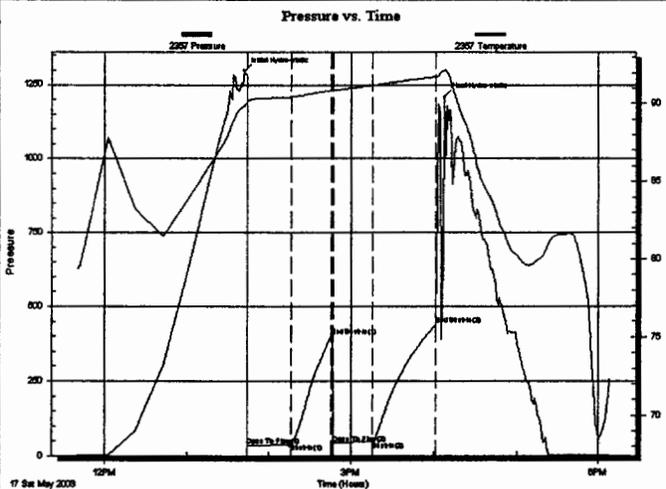
#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17009 **DST#: 3**
Test Start: 2003.05.17 @ 11:40:16

GENERAL INFORMATION:

Formation: **Towanda**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:44:46
Time Test Ended: 18:08:46
Interval: **2471.00 ft (KB) To 2502.00 ft (KB) (TVD)**
Total Depth: **2502.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21
Reference Elevations: 2288.00 ft (KB)
2283.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 2357 **Inside**
Press@RunDepth: 47.46 psig @ 2474.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2003.05.17 End Date: 2003.05.17 Last Calib.: 2003.05.17
Start Time: 11:40:21 End Time: 18:08:45 Time On Btm: 2003.05.17 @ 13:42:16
Time Off Btm: 2003.05.17 @ 16:07:16

TEST COMMENT: Slid tool 8' to bottom-Weak 1 1/2" blow decreasing to weak surface blow -Flushed tool good surge
FF-No blow -Flushed tool
Times-30-30-30-45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1297.34	89.84	Initial Hydro-static
3	33.45	90.15	Open To Flow (1)
34	40.88	90.42	Shut-In(1)
64	401.37	90.86	End Shut-In(1)
65	42.90	90.88	Open To Flow (2)
94	47.46	91.17	Shut-In(2)
139	438.14	91.72	End Shut-In(2)
145	1209.30	92.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	DM	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17009 **DST#: 3**
Test Start: 2003.05.17 @ 11:40:16

Tool Information

Drill Pipe:	Length: 1875.00 ft	Diameter: 3.80 inches	Volume: 26.30 bbl	Tool Weight: 1800.00 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: 580.00 ft	Diameter: 2.25 inches	Volume: 2.85 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 29.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2471.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2451.00	
S.I. Tool	5.00			2456.00	
HMV	5.00			2461.00	
Packer	5.00			2466.00	21.00 Bottom Of Top Packer
Packer	5.00			2471.00	
Stubb	1.00			2472.00	
Perforations	2.00			2474.00	
Recorder	0.00	2357	Inside	2474.00	
Perforations	25.00			2499.00	
Recorder	0.00	13254	Outside	2499.00	
Bullnose	3.00			2502.00	31.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corp
122 E. Grand Ste 212
Ponca City, Okla 74601
ATTN: Clyde Becker

#1-A Wieland
16-21-22-Hodgeman-Ks
Job Ticket: 17009 **DST#: 3**
Test Start: 2003.05.17 @ 11:40:16

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:	6.99 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	37000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	DM	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 2357

Inside

Becker Oil Corp

16-21-22-Hodgeman-Ks

DST Test Number: 3

Pressure vs. Time

