



DRILL STEM TEST REPORT

Prepared For: **Becker Oil, Corporation.**

122 E. Grand, suite 212
Ponca City, Oklahoma. 74601

ATTN: Clyde M. Becker

29-31S-7W

Mathes A-#1

Start Date: 2003.12.27 @ 18:35:24

End Date: 2003.12.28 @ 00:23:48

Job Ticket #: 18729 DST #: 1

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, Corporation.

Mathes A-#1

122 E.Grand,suite 212
Ponca City,Oklahoma.74601

29-31S-7W

Job Ticket: 18729

DST#: 1

ATTN: Clyde M.Becker

Test Start: 2003.12.27 @ 18:35:24

GENERAL INFORMATION:

Formation: **Krider/Winfield**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:19

Time Test Ended: 00:23:48

Test Type: Conventional Bottom Hole

Tester: Darren L.Amerine

Unit No: 19

Interval: **1422.00 ft (KB) To 1540.00 ft (KB) (TVD)**

Total Depth: 1540.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1516.00 ft (KB)

1507.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6625

Inside

Press@RunDepth: 65.69 psig @ 1439.00 ft (KB)

Start Date: 2003.12.27

End Date:

2003.12.28

Start Time: 18:35:24

End Time:

00:23:48

Capacity: 7000.00 psig

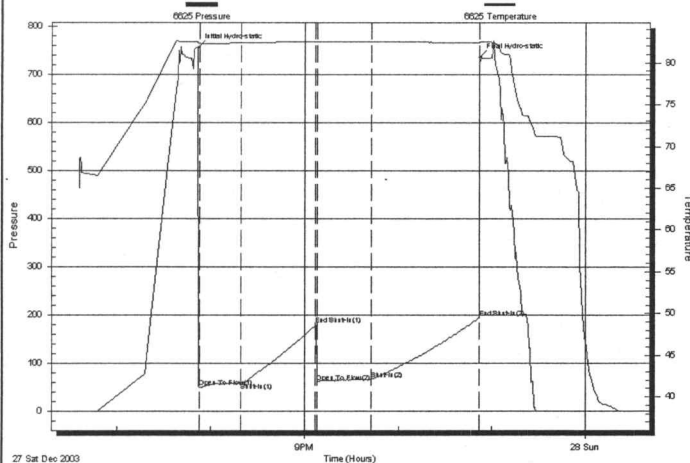
Last Calib.: 2003.12.28

Time On Btm: 2003.12.27 @ 19:51:19

Time Off Btm: 2003.12.27 @ 22:52:19

TEST COMMENT: IF:Fair blow built to 10" in H2O bucket.
IS:Bled down n for 2 mins.no blow back.
FF:Weak blow built to 8" in H2O bucket.
FS:Bled down n for 2 mins.no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	755.58	82.51	Initial Hydro-static
1	48.48	82.34	Open To Flow (1)
28	58.51	82.35	Shut-In(1)
76	178.70	82.48	End Shut-In(1)
77	59.93	82.46	Open To Flow (2)
112	65.69	82.45	Shut-In(2)
181	193.50	82.42	End Shut-In(2)
181	735.00	82.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Trace of gip	0.00
90.00	SGCM 10%gas 90%mud	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil, Corporation.

Mathes A-#1

122 E. Grand, suite 212
Ponca City, Oklahoma 74601

29-31S-7W

Job Ticket: 18729

DST#: 1

ATTN: Clyde M. Becker

Test Start: 2003.12.27 @ 18:35:24

Tool Information

Drill Pipe:	Length:	932.41 ft	Diameter:	3.80 inches	Volume:	13.08 bbl	Tool Weight:	2100.00 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:	488.59 ft	Diameter:	2.25 inches	Volume:	2.40 bbl	Weight to Pull Loose:	75000.00 lb
					Total Volume:	15.48 bbl	Tool Chased	8.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	53000.00 lb
Depth to Top Packer:		1422.00 ft					Final	53000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		118.00 ft						
Tool Length:		139.00 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			1402.00	
Shut In Tool	5.00			1407.00	
Hydraulic tool	5.00			1412.00	
Packer	5.00			1417.00	21.00 Bottom Of Top Packer
Packer	5.00			1422.00	
Stubb	1.00			1423.00	
Anchor	16.00			1439.00	
Recorder	0.00	6625	Inside	1439.00	
Blank Spacing	93.00			1532.00	
Anchor	6.00			1538.00	
Recorder	0.00	13769	Outside	1538.00	
Bullnose	2.00			1540.00	118.00 Bottom Packers & Anchor
Total Tool Length:		139.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil, Corporation.

Mathes A-#1

122 E. Grand, suite 212
Ponca City, Oklahoma. 74601

29-31S-7W

Job Ticket: 18729

DST#: 1

ATTN: Clyde M. Becker

Test Start: 2003.12.27 @ 18:35:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.10 ohm.m

Gas Cushion Pressure:

psig

Salinity: 65000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Trace of gip	0.000
90.00	SGCM 10%gas 90%mud	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

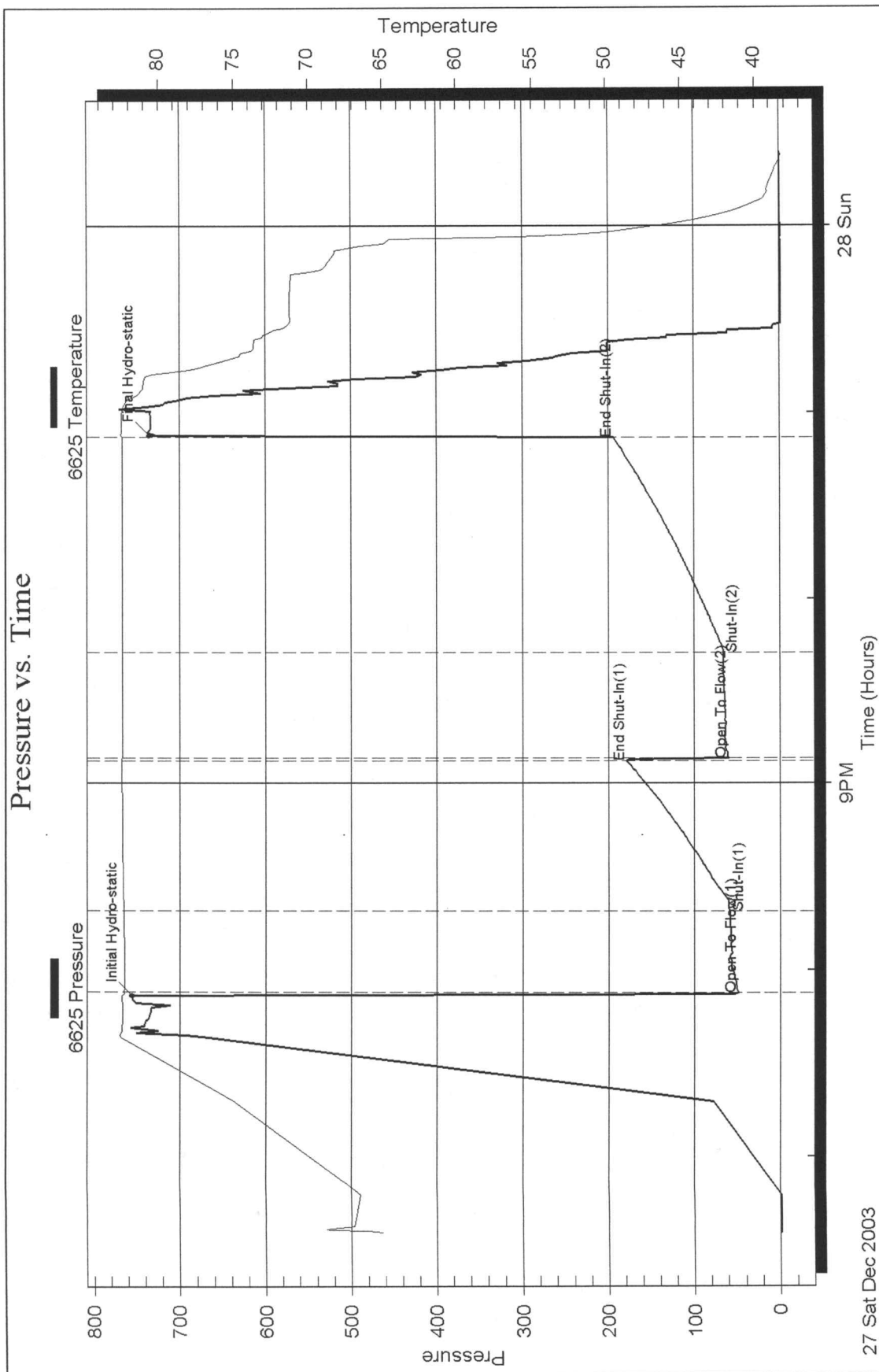
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Becker Oil, Corporation.**

122 E. Grand, suite 212
Ponca City, Oklahoma. 74601

ATTN: Clyde M. Becker

29-31S-7W

Mathes A-#1

Start Date: 2003.12.28 @ 07:23:25

End Date: 2003.12.28 @ 12:26:55

Job Ticket #: 18730 DST #: 2

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

Becker Oil, Corporation.

122 E. Grand, suite 212
Ponca City, Oklahoma. 74601

ATTN: Clyde M. Becker

Mathes A-#1

29-31S-7W

Job Ticket: 18730

DST#: 2

Test Start: 2003.12.28 @ 07:23:25

GENERAL INFORMATION:

Formation: **Towanda**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:39:55

Time Test Ended: 12:26:55

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **1564.00 ft (KB) To 1600.00 ft (KB) (TVD)**

Total Depth: 1600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1516.00 ft (KB)

1507.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6625 Inside

Press@RunDepth: 96.54 psig @ 1570.00 ft (KB)

Start Date: 2003.12.28

End Date:

2003.12.28

Start Time: 07:23:30

End Time:

12:26:54

Capacity: 7000.00 psig

Last Calib.: 2003.12.28

Time On Btm: 2003.12.28 @ 08:36:55

Time Off Btm: 2003.12.28 @ 11:01:25

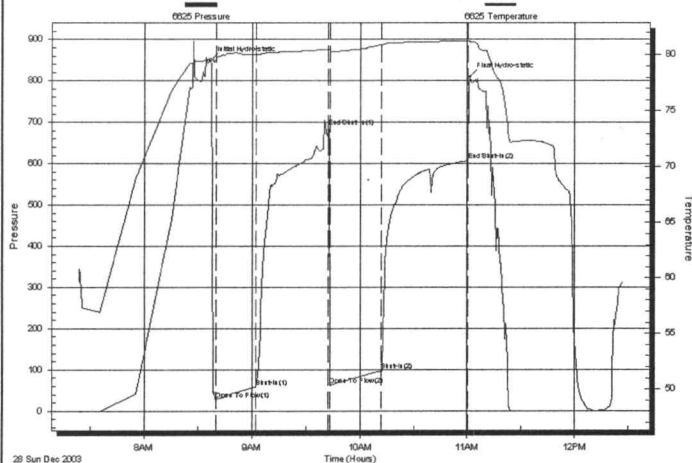
TEST COMMENT: IF:-Weak blow built to 5-1/2" in H₂O bucket.

IS:Bled down n for 2 mins. no blow back.

FF:Weak blow built to 3" in H₂O bucket.

FS:Bled down n for 2 mins. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	848.54	79.64	Initial Hydro-static
3	27.50	79.53	Open To Flow (1)
26	58.33	80.03	Shut-In (1)
66	689.41	80.48	End Shut-In (1)
67	61.36	80.36	Open To Flow (2)
95	96.54	80.90	Shut-In (2)
144	606.86	81.24	End Shut-In (2)
145	809.33	81.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	MCW 60% water 40% mud	0.69

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil, Corporation.

Mathes A-#1

122 E. Grand, suite 212
Ponca City, Oklahoma 74601

29-31S-7W

Job Ticket: 18730

DST#: 2

ATTN: Clyde M. Becker

Test Start: 2003.12.28 @ 07:23:25

Tool Information

Drill Pipe:	Length: 1310.99 ft	Diameter: 3.80 inches	Volume: 18.39 bbl	Tool Weight:	2100.00 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: 246.01 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 19.60 bbl</u>	Tool Chased	8.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	1564.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	57.00 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			1544.00	
Shut In Tool	5.00			1549.00	
Hydraulic tool	5.00			1554.00	
Packer	5.00			1559.00	21.00 Bottom Of Top Packer
Packer	5.00			1564.00	
Stubb	1.00			1565.00	
Anchor	5.00			1570.00	
Recorder	0.00	6625	Inside	1570.00	
Anchor	27.00			1597.00	
Recorder	0.00	13769	Outside	1597.00	
Bullnose	3.00			1600.00	36.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil, Corporation.

Mathes A-#1

122 E. Grand, suite 212
Ponca City, Oklahoma. 74601

29-31S-7W

Job Ticket: 18730

DST#: 2

ATTN: Clyde M. Becker

Test Start: 2003.12.28 @ 07:23:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity: 180000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.08 ohm.m

Gas Cushion Pressure:

psig

Salinity: 96000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	MCW 60% water 40% mud	0.688

Total Length: 140.00 ft

Total Volume: 0.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

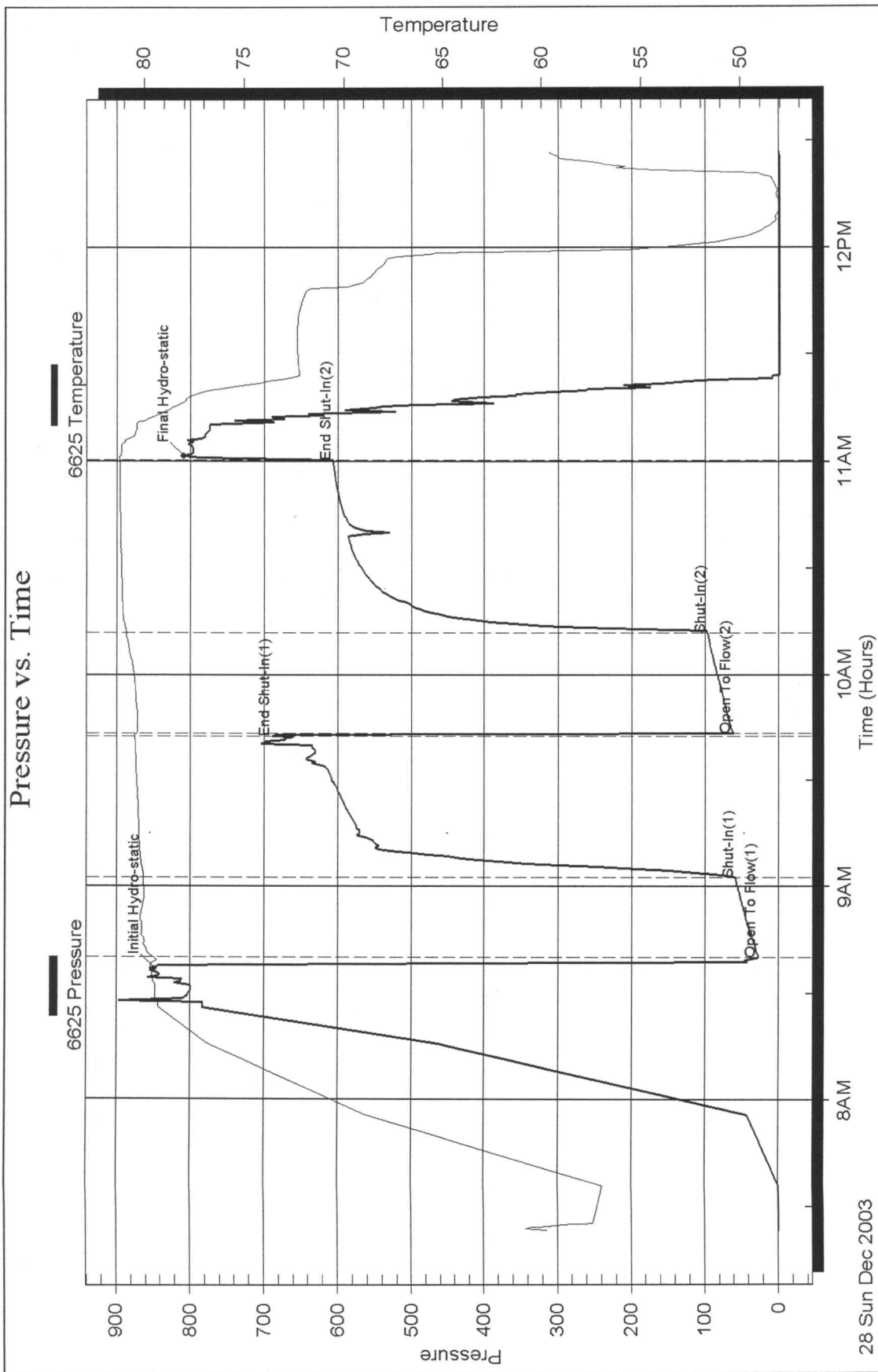
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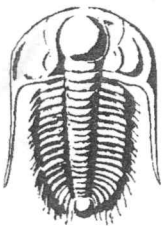
Becker Oil, Corporation.

29-31S-7W

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18729

05/03

Test Ticket

Well Name & No. Mathes A-#1 Test No. #1 Date 12-27-03
 Company Becker Oil Corporation 122 E Grand, Zone Tested Krider - Winfield
 Address Suite 212 Ponca City, OK 74601 Elevation 1516 KB 1507 GL
 Co. Rep / Geo. Clyde M. Becker Cont. Starling #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 29 Twp. 31 S Rge. 7 W Co. Harper, Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 1422' - 1540' Initial Str Wt./Lbs. 53,000 Unseated Str Wt./Lbs. 53,000
 Anchor Length 118' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 1417' Tool Weight 2100
 Bottom Packer Depth 1422' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 1540' Wt. Pipe Run N/A Drill Collar Run 488.59
 Mud Wt. 9.7 LCM 0 Vis. 40 WL 8.0 Drill Pipe Size 4 1/2 X H Ft. Run 932.41

Blow Description IF: Saw blow built to 10" in 7/20 bucket.
IST Bled down 2 mins.
FF: Weak blow built to 8" in 7/20 bucket.
FT Bled down 2 mins No blow back.

Recovery - Total Feet 90' GIP Trace Ft. in DC 90' Ft. in DP N/A
 Rec. 90' Feet of SGCM 10% gas _____ %oil _____ %water 90 %mud
 Rec. Trace Feet of GIP %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 82" °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 65000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>756</u>	PSI	<u>6625</u>	<u>✓</u> <u>700</u>
(B) First Initial Flow Pressure	<u>48</u>	PSI	<u>1739'</u>	Elec. Rec. <u>✓</u> <u>150</u>
(C) First Final Flow Pressure	<u>59</u>	PSI	<u>13769</u>	Jars _____
(D) Initial Shut-In Pressure	<u>179</u>	PSI	<u>1538'</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>60</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>66</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>194</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>735</u>	PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>40</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>60</u> <u>102</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

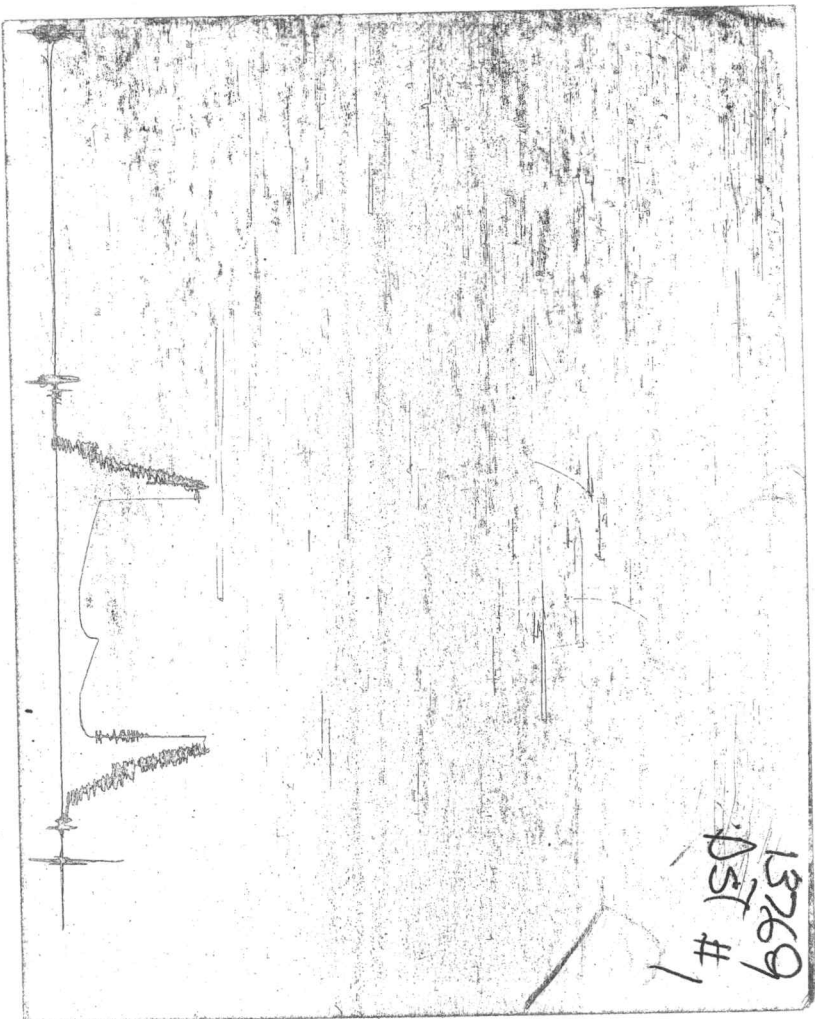
Approved By Clyde M. Becker
 Our Representative Darren L. Corum

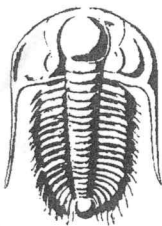
T-On Location 1750
 T-Started 1835
 T-Open 1957
 T-Pulled 2152
 T-Out 0023

Sub Total: 952
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18730

05/03

Test Ticket

Well Name & No.	Mathes A-#1	Test No.	2	Date	12-28-03
Company	Becker Oil, Corp. 122 E. Grand	Zone Tested	Towanda		
Address	Suite 212 Ponca City, OK. 74601	Elevation	1516	KB	1507 GL
Co. Rep / Geo.	Clyde M. Becker	Cont.	Sterling #4	Est. Ft. of Pay	Por. %
Location: Sec.	29	Twp.	31S	Rge.	7W
		Co.	Harper, Co.	State	KS
No. of Copies	5	Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	1564' - 1600'	Initial Str Wt./Lbs.	40,000	Unseated Str Wt./Lbs.	40,000
Anchor Length	36'	Wt. Set Lbs.	20,000	Wt. Pulled Loose/Lbs.	53,000
Top Packer Depth	1559'	Tool Weight	2100		
Bottom Packer Depth	1564'	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	1600'	Wt. Pipe Run	N/A	Drill Collar Run	246.01
Mud Wt.	9.8 LCM	Vis.	60	WL	8.0
		Drill Pipe Size	4 1/2 x 4	Ft. Run	1310.99
Blow Description	TF: Weak blow built to 5 1/2" in #120 bucket. TSI: Bled down for 2 mins. No blow back. FP: Weak blow built to 3" in #100 bucket. FSI: Bled down for 2 mins. No blow back.				

Recovery - Total Feet	140'	GIP	N/A	Ft. in DC	140'	Ft. in DP	
Rec.	140'	Feet of	MCW	%gas		%oil	60 %water 40 %mud
Rec.		Feet of		%gas		%oil	%water %mud
Rec.		Feet of		%gas		%oil	%water %mud
Rec.		Feet of		%gas		%oil	%water %mud
Rec.		Feet of		%gas		%oil	%water %mud
BHT	81	°F Gravity		°API D @		°F Corrected Gravity	°API
RW	.06	@	60 °F	Chlorides	180,000 ppm	Recovery	Chlorides 96,000 ppm System

AK-1	Alpine					
(A) Initial Hydrostatic Mud	849	PSI	Recorder No.	6625	Test	✓
(B) First Initial Flow Pressure	28	PSI	(depth)	1570'	Elec. Rec.	✓
(C) First Final Flow Pressure	58	PSI	Recorder No.	13769	Jars	
(D) Initial Shut-In Pressure	689	PSI	(depth)	1597	Safety Jt.	
(E) Second Initial Flow Pressure	61	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	97	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	607	PSI	Initial Opening	25"	Straddle	
(Q) Final Hydrostatic Mud	809	PSI	Initial Shut-In	40	Ext. Packer	
			Final Flow	30	Shale Packer	
			Final Shut-In	45	Mileage	
			T-On Location	0645	Sub Total:	
			T-Started	0723	Std. By	952
			T-Open	0843	Other	
			T-Pulled	1103	Total:	
			T-Out	1227		

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Approved By: *Clyde M. Becker*

Our Representative: *Darren*

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

