



DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

122 E. Grand
Suite 212
Ponca City Ok 74601

ATTN: Clyde Becker

32-23s-23w Hodgeman

Bradford #1

Start Date: 2004.02.08 @ 12:16:25

End Date: 2004.02.08 @ 21:49:54

Job Ticket #: 19827 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

122 E. Grand
Suite 212
Ponca City Ok 74601
ATTN: Clyde Becker

Bradford #1

32-23s-23w Hodgeman

Job Ticket: 19827

DST#: 1

Test Start: 2004.02.08 @ 12:16:25

GENERAL INFORMATION:

Formation: **Upper & Lower Krider**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:09:24

Time Test Ended: 21:49:54

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **2492.00 ft (KB) To 2562.00 ft (KB) (TVD)**

Total Depth: 2562.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition:

Reference Elevations: 2448.00 ft (KB)

2442.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6668

Inside

Press@RunDepth: 94.42 psig @ 2498.02 ft (KB)

Start Date: 2004.02.08

End Date:

2004.02.08

Start Time: 12:16:25

End Time:

21:49:54

Capacity: 7000.00 psig

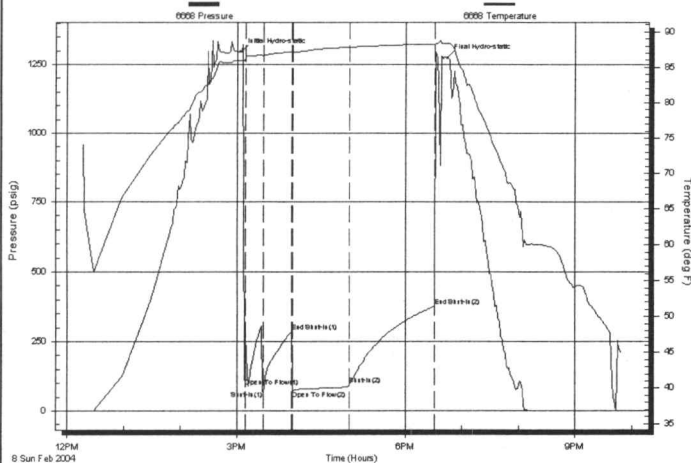
Last Calib.: 2004.02.08

Time On Btm: 2004.02.08 @ 15:04:24

Time Off Btm: 2004.02.08 @ 18:44:24

TEST COMMENT: IFP-w k to fr bl 1/2" to 5 1/2" bl
FFP-w k to strg bl in 7 min
Times 20-30-60-90
no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1295.31	85.97	Initial Hydro-static
5	86.13	86.26	Open To Flow (1)
25	74.07	86.68	Shut-In (1)
54	284.38	87.15	End Shut-In (1)
55	73.29	87.09	Open To Flow (2)
116	94.42	87.81	Shut-In (2)
207	376.38	88.26	End Shut-In (2)
220	1272.96	88.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	GCWM 5% gas 20% water 75% mud	0.76
0.00	60' GIP	0.00

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

Bradford #1

122 E. Grand
Suite 212
Ponca City Ok 74601
ATTN: Clyde Becker

32-23s-23w Hodgeman

Job Ticket: 19827

DST#: 1

Test Start: 2004.02.08 @ 12:16:25

Tool Information

Drill Pipe:	Length: 1960.00 ft	Diameter: 3.80 inches	Volume: 27.49 bbl	Tool Weight: 2200.00 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: 525.00 ft	Diameter: 2.25 inches	Volume: 2.58 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 30.07 bbl	Tool Chased 15.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	2492.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.02 ft			
Tool Length:	91.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

slid tool approx 15' to bottom
hit solid bridge @ approx 2110'

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2472.00	
Shut In Tool	5.00			2477.00	
Hydraulic tool	5.00			2482.00	
Packer	5.00			2487.00	21.00 Bottom Of Top Packer
Packer	5.00			2492.00	
Stubb	1.00			2493.00	
Perforations	1.00			2494.00	
Recorder	0.01	11085	Outside	2494.01	
Perforations	3.00			2497.01	
Change Over Sub	1.00			2498.01	
Recorder	0.01	6668	Inside	2498.02	
Blank Spacing	60.00			2558.02	
Change Over Sub	1.00			2559.02	
Bullnose	3.00			2562.02	70.02 Bottom Packers & Anchor

Total Tool Length: 91.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corporation

Bradford #1

122 E. Grand

Suite 212

Ponca City Ok 74601

ATTN: Clyde Becker

32-23s-23w Hodgeman

Job Ticket: 19827

DST#: 1

Test Start: 2004.02.08 @ 12:16:25

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 38.00 sec/qt

Water Loss: 12.15 in³

Resistivity: ohm.m

Salinity: 70000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	GCWM 5%gas 20%water 75%mud	0.762
0.00	60' GIP	0.000

Total Length: 155.00 ft Total Volume: 0.762 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.36@41F

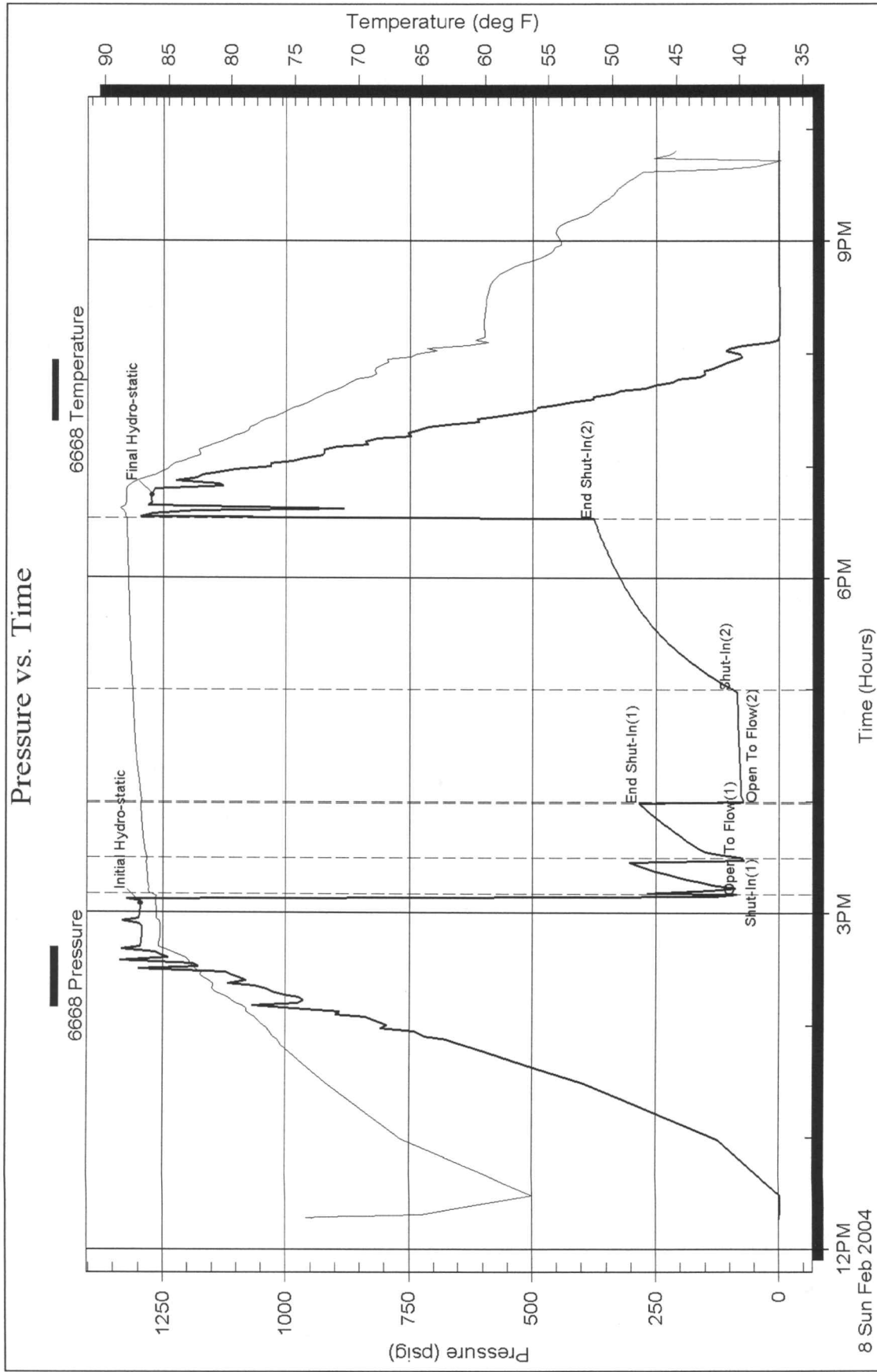
Serial #: 6668

Inside

Becker Oil Corporation

32-23s-23w Hodgeman

DST Test Number: 1



RECEIVED
MAY 24 2004
KCC WICHITA



DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

122 E. Grand
Suite 212
Ponca City Ok 74601

ATTN: Clyde Becker

32-23s-23w Hodgeman

Bradford #1

Start Date: 2004.02.09 @ 16:14:37

End Date: 2004.02.09 @ 23:49:36

Job Ticket #: 19828 DST #: 2

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

Becker Oil Corporation

Bradford #1

32-23s-23w Hodgeman

DST # 2

Ft Riley-Florence

2004.02.09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Becker Oil Corporation

Bradford #1

122 E. Grand
Suite 212
Ponca City Ok 74601
ATTN: Clyde Becker

32-23s-23w Hodgeman

Job Ticket: 19828

DST#: 2

Test Start: 2004.02.09 @ 16:14:37

GENERAL INFORMATION:

Formation: **Ft Riley-Florence**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 19:04:06

Time Test Ended: 23:49:36

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **2719.00 ft (KB) To 2790.00 ft (KB) (TVD)**

Total Depth: **2790.00 ft (KB) (TVD)**

Reference Elevations: **2448.00 ft (KB)**

Hole Diameter: **7.85 inches** Hole Condition:

2442.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: **6668** Inside

Press@RunDepth: **98.71 psig @ 2726.02 ft (KB)**

Start Date: **2004.02.09**

End Date:

2004.02.09

Capacity: **7000.00 psig**

Last Calib.: **2004.02.10**

Start Time: **16:14:37**

End Time:

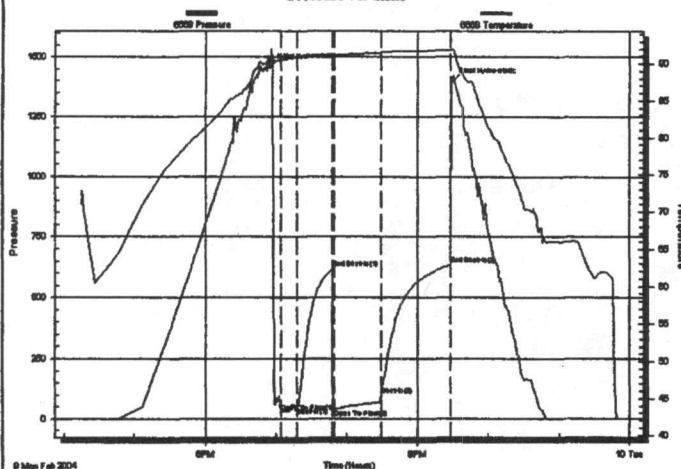
23:49:36

Time On Btm: **2004.02.09 @ 18:55:06**

Time Off Btm: **2004.02.09 @ 21:29:36**

TEST COMMENT: **FP-wk to strg in 7 min
FFP-wk to strg in 17 min
Times 20-30-40-60**

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1454.47	90.60	Initial Hydro-static
9	27.15	90.44	Open To Flow (1)
22	45.99	90.79	Shut-In(1)
53	618.95	91.25	End Shut-In(1)
54	39.50	91.10	Open To Flow (2)
94	98.71	91.50	Shut-In(2)
153	634.91	91.82	End Shut-In(2)
155	1397.46	91.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GCM 10%gas 90%mud	0.49
0.00	120'Gip	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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MAY 24 2004


TRILOBITE
TESTING, INC.
DRILL STEM TEST REPORT KCC WICHITA TOOL DIAGRAM

Becker Oil Corporation

Bradford #1

 122 E. Grand
 Suite 212
 Ponca City Ok 74601
 ATTN: Clyde Becker

32-23s-23w Hodgeman

Job Ticket: 19828

DST#: 2

Test Start: 2004.02.09 @ 16:14:37

Tool Information

Drill Pipe:	Length: 2179.00 ft	Diameter: 3.80 inches	Volume: 30.57 bbl	Tool Weight: 2200.00 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: 525.00 ft	Diameter: 2.25 inches	Volume: 2.58 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 33.15 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	2719.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.02 ft			
Tool Length:	92.02 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			2699.00	
Shut In Tool	5.00			2704.00	
Hydraulic tool	5.00			2709.00	
Packer	5.00			2714.00	21.00 Bottom Of Top Packer
Packer	5.00			2719.00	
Stubb	1.00			2720.00	
Perforations	1.00			2721.00	
Recorder	0.01	11085	Outside	2721.01	
Perforations	4.00			2725.01	
Change Over Sub	1.00			2726.01	
Recorder	0.01	6668	Inside	2726.02	
Blank Spacing	60.00			2786.02	
Change Over Sub	1.00			2787.02	
Bullnose	3.00			2790.02	71.02 Bottom Packers & Anchor

Total Tool Length: 92.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corporation

Bradford #1

122 E. Grand

32-23s-23w Hodgeman

Suite 212

Job Ticket: 19828

DST#: 2

Ponca City Ok 74601

Test Start: 2004.02.09 @ 16:14:37

ATTN: Clyde Becker

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 18.55 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 68000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GCM 10%gas 90%mud	0.492
0.00	120'Glp	0.000

Total Length: 100.00 ft Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

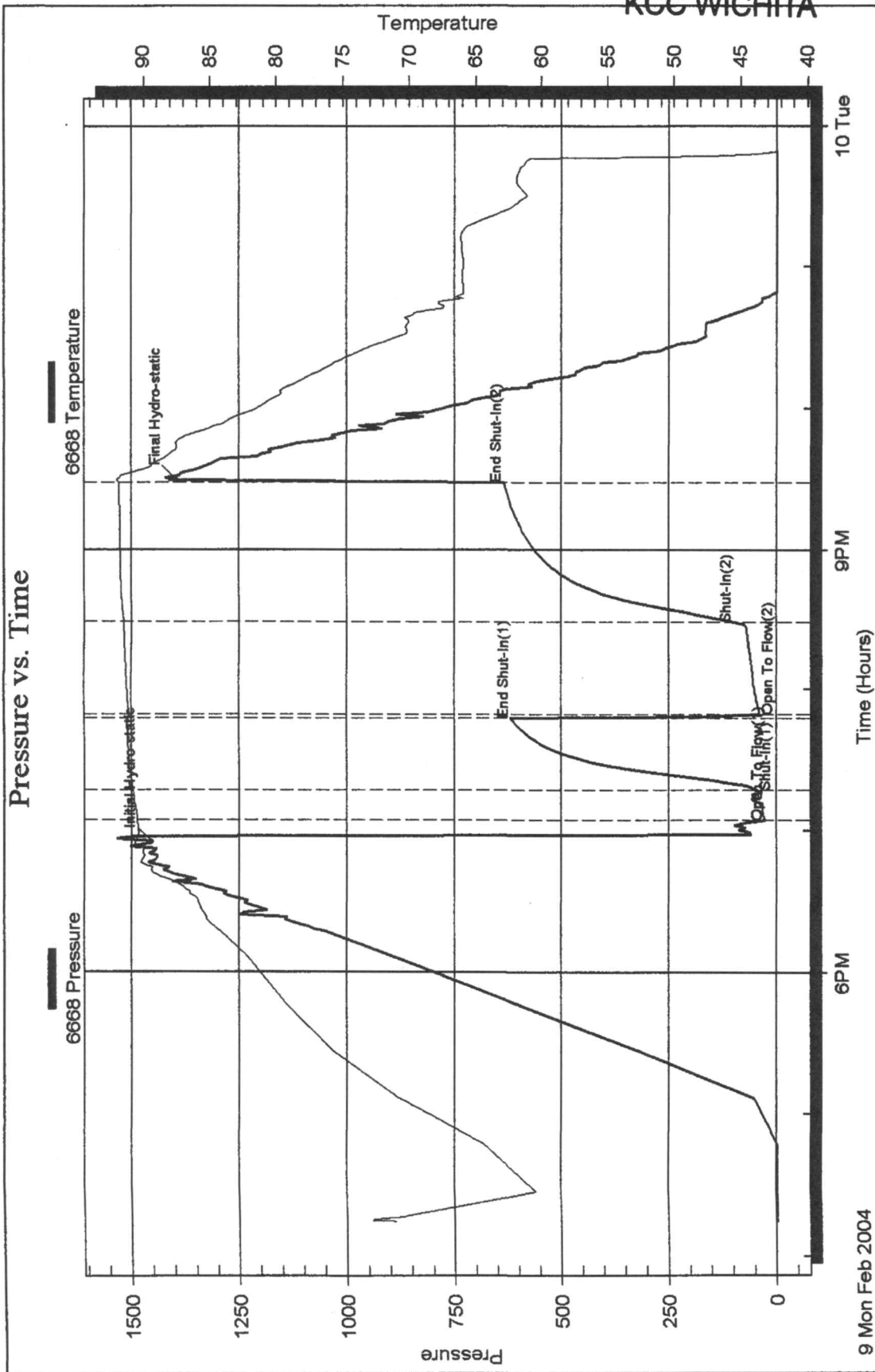
32-23s-23w Hodgeman

Becker Oil Corporation

Inside

Serial #: 6668

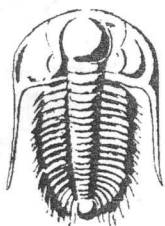
Pressure vs. Time



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KCC WICHITA



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19827

05/03

Test Ticket

Well Name & No. Bradford #1 Test No. 1 Date 2-8-04
 Company Becker Oil Corporation Zone Tested Kridger, upper-lower
 Address 122 E. Grand, suite 212 Ponca City, OK 74601 Elevation 2448 KB 2442 GL
 Co. Rep / Geo. Clyde Becker Cont. Cheyenne rig II Est. Ft. of Pay - Por. - %
 Location: Sec. 32 Twp. 23^s Rge. 23^w Co. Hodgeman State Ks
 No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 2492 - 2562 Initial Str Wt./Lbs. 62000 Unseated Str Wt./Lbs. 63000
 Anchor Length 70 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 100000
 Top Packer Depth 2487 Tool Weight 2200
 Bottom Packer Depth 2492 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 2562 Wt. Pipe Run - Drill Collar Run 525
 Mud Wt. 9.2 LCM 2# Vis. 38 WL 12.2 Drill Pipe Size 4 1/2 X 11 Ft. Run 1960
 Blow Description TFP - WEAK TO A FAIR BLOW 1/2" TO 5 1/2" BLOW
FFP - WEAK TO STRONG IN 7 min
No Blow on shut-in

Slid To approx 15' to bottom, HIT Bridge approx 2110'

Recovery - Total Feet 155 GIP 60 Ft. in DC 155 Ft. in DP -
 Rec. 155 Feet of GCWM %gas 5 %oil 20 %water 75 %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 88 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW .36 @ 41 °F Chlorides 35000 ppm Recovery - Chlorides 70000 ppm System

AK-1

(A) Initial Hydrostatic Mud	<u>1295</u> PSI	Recorder No. <u>6668</u>	Test <u>✓</u>	<u>700</u>
(B) First Initial Flow Pressure	<u>86</u> PSI	(depth) <u>2498</u>	Elec. Rec. <u>✓</u>	<u>150</u>
(C) First Final Flow Pressure	<u>74</u> PSI	Recorder No. <u>11085</u>	Jars	
(D) Initial Shut-In Pressure	<u>284</u> PSI	(depth) <u>2494</u>	Safety Jt.	
(E) Second Initial Flow Pressure	<u>73</u> PSI	Recorder No. <u>-</u>	Circ Sub	
(F) Second Final Flow Pressure	<u>94</u> PSI	(depth) <u>-</u>	Sampler	
(G) Final Shut-In Pressure	<u>376</u> PSI	Initial Opening <u>20</u>	Straddle	
(Q) Final Hydrostatic Mud	<u>1272</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer	
		Final Flow <u>60</u>	Shale Packer	
		Final Shut-In <u>90</u>	Mileage <u>✓ 96 192 163.20</u>	
		T-On Location <u>1100</u>	Sub Total: <u>1013.20</u>	
		T-Started <u>1216</u>	Std. By <u>-</u>	
		T-Open <u>1510</u>	Other <u>-</u>	
		T-Pulled <u>1830</u>	Total: <u>-</u>	
		T-Out <u>2150</u>		

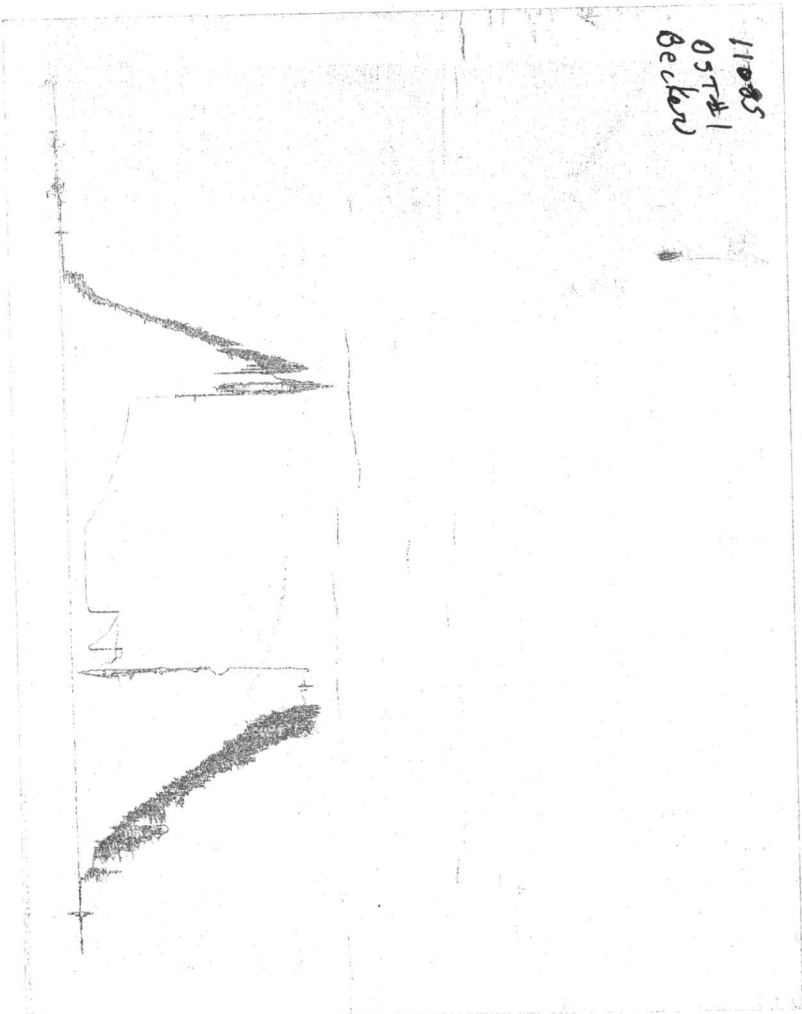
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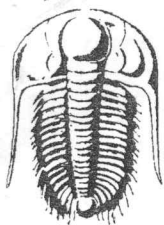
Approved By Ray Schwager Thank You

Our Representative Ray Schwager

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19828

05/03

Test Ticket

Well Name & No.	Bradford #1		Test No.	2	Date	2-9-04
Company	Becker Oil Corporation		Zone Tested	FTRiley - Florence		
Address	122 E. GRAND, suite 212 Ponca City, OK 74601		Elevation	2448	KB	2442 GL
Co. Rep / Geo.	Clyde Becker	Cont.	Cheyenne rig 11	Est. Ft. of Pay	-	Por. - %
Location: Sec.	32	Twp.	23	Rge.	23	Co. Hodgeman State KS
No. of Copies	Reg	Disbtribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested	2719 - 2790	Initial Str Wt./Lbs.	62000	Unseated Str Wt./Lbs.	67000
Anchor Length	71	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	95000
Top Packer Depth	2714	Tool Weight	2200		
Bottom Packer Depth	2719	Hole Size 7 7/8"	-	Rubber Size 6 3/4"	-
Total Depth	2790	Wt. Pipe Run	-	Drill Collar Run	525
Mud Wt.	9.8	LCM	1#	Vis.	47
Blow Description	WL 18.6				
	FFP - WEAK TO STRONG IN 7 min				
	FFP - WEAK TO STRONG IN 17 min				
	No Blow on shut-in				

Recovery - Total Feet	100	GIP	120	Ft. in DC	100	Ft. in DP	-
Rec.	100	Feet of	GCM	10 %gas	%oil	%water	90 %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	91	°F Gravity	-	°API D @	-	°F Corrected Gravity	-
RW	-	@	-	°F	Chlorides	-	ppm Recovery
					Chlorides	67000	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1454	PSI	Recorder No.	6668	Test	700
(B) First Initial Flow Pressure			27	PSI	(depth)	2726	Elec. Rec.	150
(C) First Final Flow Pressure			45	PSI	Recorder No.	11085	Jars	
(D) Initial Shut-In Pressure			618	PSI	(depth)	2721	Safety Jt.	
(E) Second Initial Flow Pressure			39	PSI	Recorder No.	-	Circ Sub	
(F) Second Final Flow Pressure			98	PSI	(depth)	-	Sampler	
(G) Final Shut-In Pressure			634	PSI	Initial Opening	20	Straddle	
(Q) Final Hydrostatic Mud			1397	PSI	Initial Shut-In	30	Ext. Packer	
					Final Flow	40	Shale Packer	
					Final Shut-In	60	Mileage	35 59.50
					T-On Location	1515	Sub Total:	909.50
					T-Started	1614	Std. By	
					T-Open	1855	Other	
					T-Pulled	2125	Total:	4 extra copies
					T-Out	2345		

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Approved By _____

Our Representative Ray Schwager Thankyou

CHART PAGE

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

