



DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

122 E. Grand Ste 212
Ponca City Ok 74601

ATTN: Clyde Becker

9-24s-24w Hodgeman

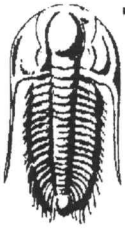
Benish #1

Start Date: 2004.02.12 @ 18:34:55

End Date: 2004.02.13 @ 05:52:54

Job Ticket #: 19829 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 Ste 212
Ponca City Ok 74601
ATTN: Clyde Becker

Benish #1

9-24s-24w Hodgeman

Job Ticket: 19829

DST#: 1

Test Start: 2004.02.12 @ 18:34:55

GENERAL INFORMATION:

Formation: **Krider**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:25:24

Time Test Ended: 05:52:54

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **2510.00 ft (KB) To 2580.00 ft (KB) (TVD)**

Reference Elevations: 2491.00 ft (KB)

Total Depth: 2580.00 ft (KB) (TVD)

2485.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Poor

KB to GR/CF: 6.00 ft

Serial #: 6668

Inside

Press@RunDepth: 203.21 psig @ 2516.02 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.02.12

End Date: 2004.02.13

Last Calib.: 2004.02.13

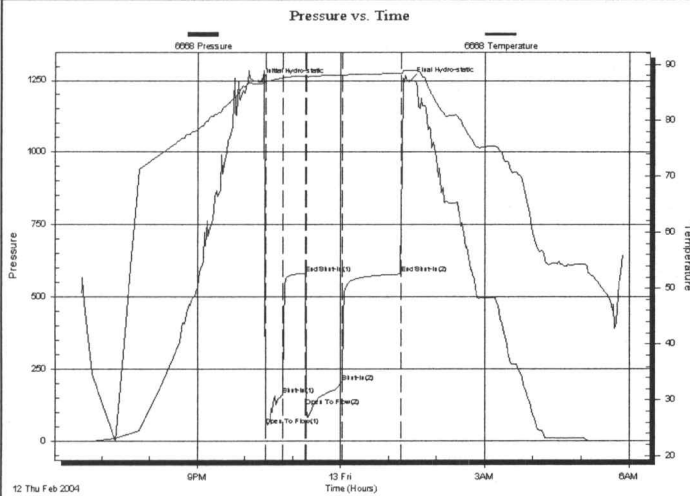
Start Time: 18:34:55

End Time: 05:52:54

Time On Btm: 2004.02.12 @ 22:17:24

Time Off Btm: 2004.02.13 @ 01:26:24

TEST COMMENT: IFP-strg bl GTS in 17 min
FFP-GTS
Times 20-30-45-75



PRESSURE SUMMARY

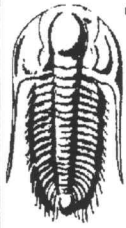
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1246.56	86.56	Initial Hydro-static
8	52.37	86.91	Open To Flow (1)
30	161.25	87.58	Shut-In(1)
59	581.71	87.93	End Shut-In(1)
60	119.15	87.83	Open To Flow (2)
105	203.21	88.03	Shut-In(2)
178	579.01	88.39	End Shut-In(2)
189	1247.62	88.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GCM 10%gas 90%mud	0.89

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	17.00	211.82
Last Gas Rate	0.75	90.00	1630.71
Max. Gas Rate	0.75	90.00	1630.71



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil Corporation

Benish #1

122 E. Grand Ste 212
Ponca City Ok 74601

9-24s-24w Hodgeman

Job Ticket: 19829

DST#: 1

ATTN: Clyde Becker

Test Start: 2004.02.12 @ 18:34:55

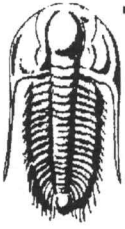
Tool Information

Drill Pipe:	Length: 1988.00 ft	Diameter: 3.80 inches	Volume: 27.89 bbl	Tool Weight: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2200.00 lb
Drill Collar:	Length: 525.00 ft	Diameter: 2.25 inches	Volume: 2.58 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 30.47 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	2510.00 ft			Final 57000.00 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 5" to bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2490.00	
Shut In Tool	5.00			2495.00	
Hydraulic tool	5.00			2500.00	
Packer	5.00			2505.00	21.00 Bottom Of Top Packer
Packer	5.00			2510.00	
Stubb	1.00			2511.00	
Recorder	0.01	11085	Outside	2511.01	
Perforations	4.00			2515.01	
Change Over Sub	1.00			2516.01	
Recorder	0.01	6668	Inside	2516.02	
Blank Spacing	60.00			2576.02	
Change Over Sub	1.00			2577.02	
Bullnose	3.00			2580.02	70.02 Bottom Packers & Anchor

Total Tool Length: 91.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corporation

Benish #1

122 E. Grand Ste 212
Ponca City Ok 74601

9-24s-24w Hodgeman

Job Ticket: 19829

DST#: 1

ATTN: Clyde Becker

Test Start: 2004.02.12 @ 18:34:55

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: 35.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.61 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 20000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	GCM 10%gas 90%mud	0.885

Total Length: 180.00 ft

Total Volume: 0.885 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 Corporation

Benish #1

122 E. Grand Ste 212
Ponca City Ok 74601

9-24s-24w Hodgeman

Job Ticket: 19829

DST#: 1

ATTN: Clyde Becker

Test Start: 2004.02.12 @ 18:34:55

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	18	0.50	17.00	211.82
1	18	0.50	17.00	211.82
2	5	0.50	22.00	245.54
2	15	0.75	40.00	849.72
2	25	0.75	85.00	1552.61
2	35	0.75	90.00	1630.71

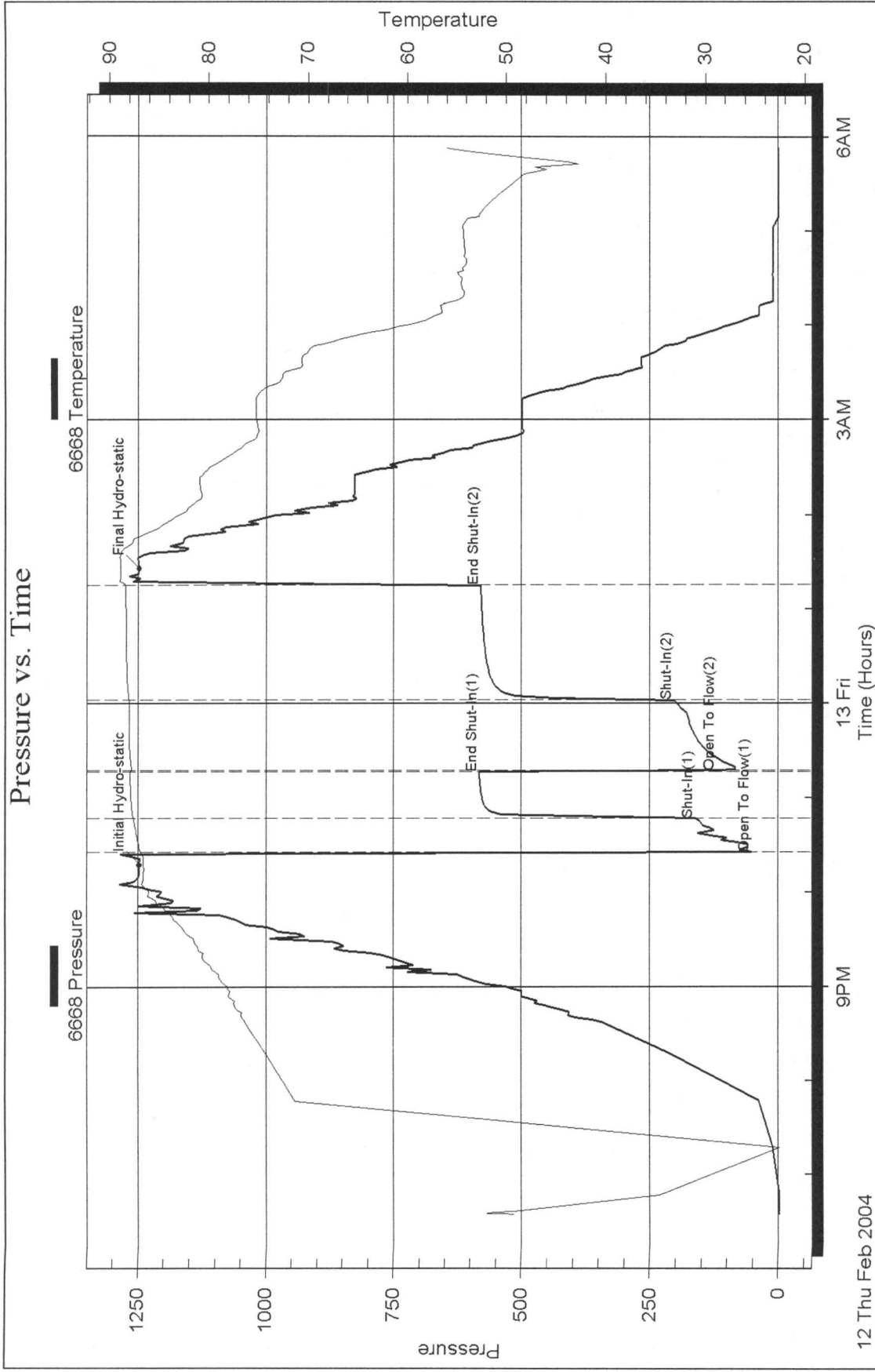
Serial #: 6668

Inside

Becker Oil Corporation

9-24s-24w Hodgeman

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

122 E. Grand Ste 212
Ponca City Ok 74601

ATTN: Clyde Becker

9-24s-24w Hodgeman

Benish #1

Start Date: 2004.02.13 @ 15:27:22

End Date: 2004.02.14 @ 00:35:51

Job Ticket #: 19830 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 Corporation
 122 E. Grand Ste 212
 Ponca City Ok 74601
 ATTN: Clyde Becker

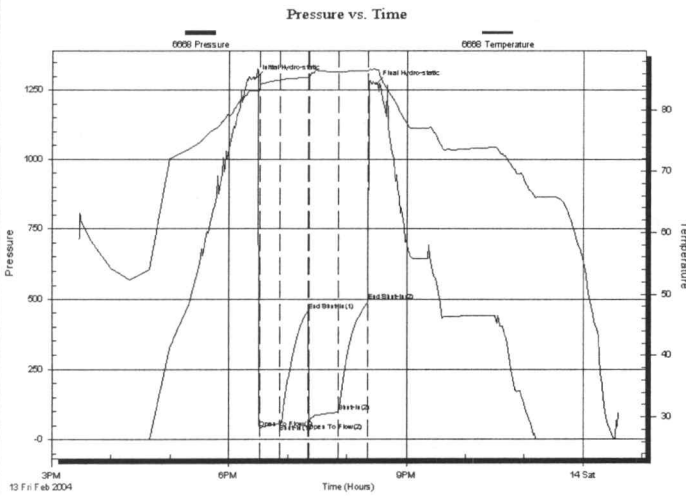
Benish #1
9-24s-24w Hodgeman
 Job Ticket: 19830 **DST#: 2**
 Test Start: 2004.02.13 @ 15:27:22

GENERAL INFORMATION:

Formation: **n/a**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 18:31:21
 Time Test Ended: 00:35:51
 Interval: **2604.00 ft (KB) To 2637.00 ft (KB) (TVD)**
 Total Depth: **2637.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **28**
 Reference Elevations: **2491.00 ft (KB)**
2485.00 ft (CF)
 KB to GR/CF: **6.00 ft**

Serial #: 6668 **Inside**
 Press@RunDepth: **95.65 psig @ 2605.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.02.13** End Date: **2004.02.14** Last Calib.: **2004.02.14**
 Start Time: **15:27:22** End Time: **00:35:51** Time On Btm: **2004.02.13 @ 18:26:21**
 Time Off Btm: **2004.02.13 @ 20:28:51**

TEST COMMENT: IFF-w k bl thru-out 1/2" to surface bl
 FFP-surface bl, flushed tool ,got surge after flush
 Times 20-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1291.75	83.26	Initial Hydro-static
5	39.14	83.78	Open To Flow (1)
26	56.00	85.00	Shut-In(1)
55	457.14	85.41	End Shut-In(1)
55	59.45	85.42	Open To Flow (2)
85	95.65	86.32	Shut-In(2)
115	493.09	86.57	End Shut-In(2)
123	1273.41	86.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	mud	0.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Becker Oil Corporation
122 E. Grand Ste 212
Ponca City Ok 74601
ATTN: Clyde Becker

Benish #1
9-24s-24w Hodgeman
Job Ticket: 19830 **DST#: 2**
Test Start: 2004.02.13 @ 15:27:22

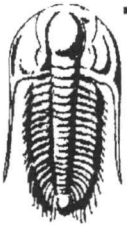
Tool Information

Drill Pipe:	Length: 2021.00 ft	Diameter: 3.80 inches	Volume: 28.35 bbl	Tool Weight: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2200.00 lb
Drill Collar:	Length: 585.00 ft	Diameter: 2.25 inches	Volume: 2.88 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 31.23 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	2604.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.02 ft			
Tool Length:	54.02 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			2584.00	
Shut In Tool	5.00			2589.00	
Hydraulic tool	5.00			2594.00	
Packer	5.00			2599.00	21.00 Bottom Of Top Packer
Packer	5.00			2604.00	
Stubb	1.00			2605.00	
Recorder	0.01	6668	Inside	2605.01	
Perforations	29.00			2634.01	
Recorder	0.01	11085	Outside	2634.02	
Bullnose	3.00			2637.02	33.02 Bottom Packers & Anchor
Total Tool Length:	54.02				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corporation
122 E. Grand Ste 212
Ponca City Ok 74601
ATTN: Clyde Becker

Benish #1
9-24s-24w Hodgeman
Job Ticket: 19830 **DST#: 2**
Test Start: 2004.02.13 @ 15:27:22

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: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 4.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 16000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	mud	0.738

Total Length: 150.00 ft Total Volume: 0.738 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

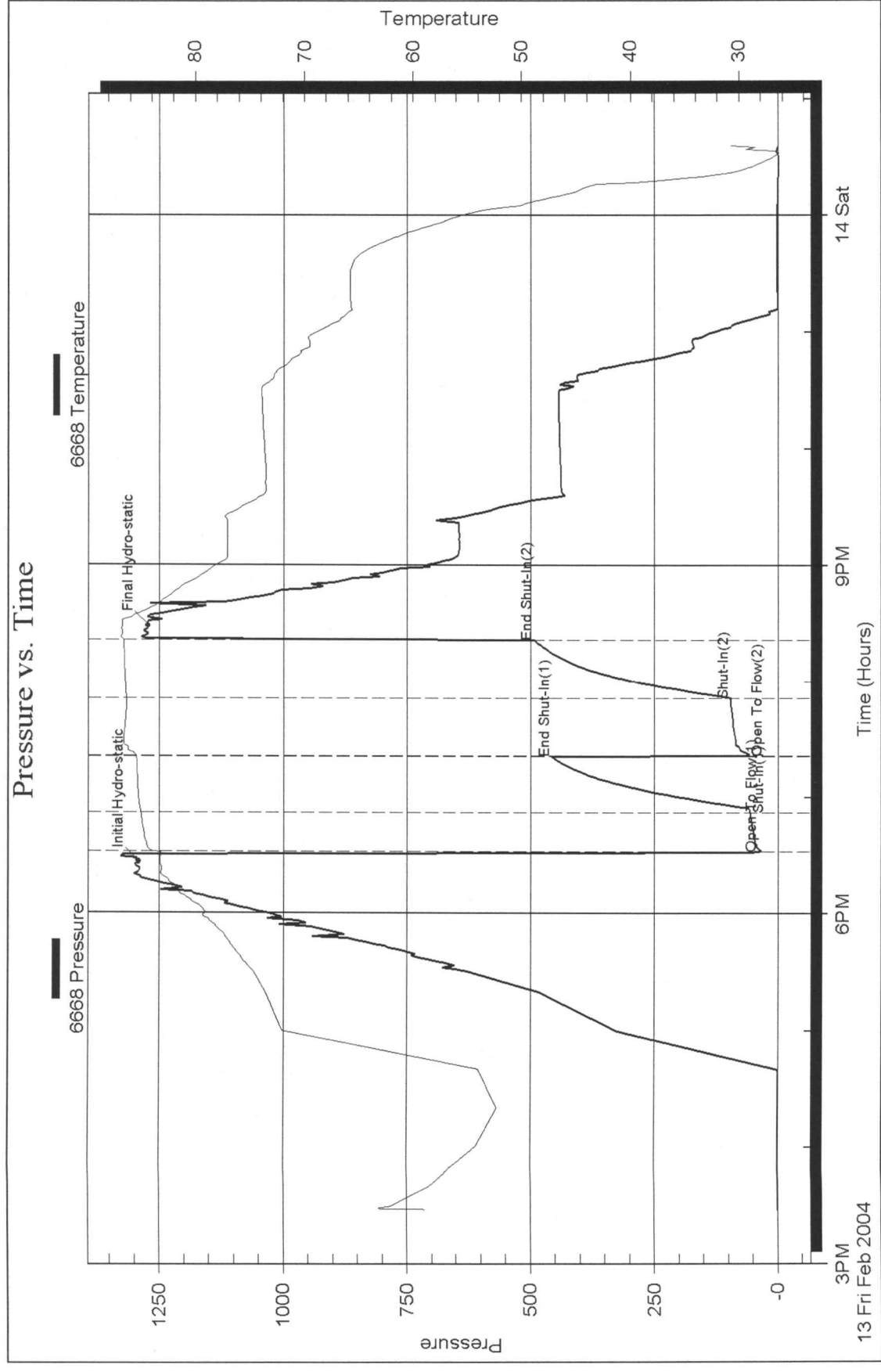
Serial #: 6668

Inside

Becker Oil Corporation

9-24s-24w Hodgeman

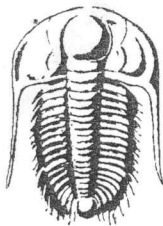
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 19830

Printed: 2004.02.18 @ 14:01:28 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19829

05/03

Test Ticket

Well Name & No. Benish #1 Test No. 1 Date 2-12-04
 Company Becker Oil Corporation Zone Tested Kreider
 Address 122 E. GRAND, SUITE 212 Ponca City, OK 74601 Elevation 2491 KB 2485 GL
 Co. Rep / Geo. Jim Musgrove Cont. Cheyenne rig 11 Est. Ft. of Pay - Por. - %
 Location: Sec. 329 Twp. 24S Rge. 24W Co. Hodgeman State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2510 - 2580 Initial Str Wt./Lbs. 55000 Unseated Str Wt./Lbs. 57000
 Anchor Length 70 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 90000
 Top Packer Depth 2505 Tool Weight 2200
 Bottom Packer Depth 2510 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 2580 Wt. Pipe Run - Drill Collar Run 525
 Mud Wt. 9.7 LCM TR Vis. 35 WL 12.7 Drill Pipe Size 4 1/2 XH Ft. Run 1988
 Blow Description TEP - STRONG BLOW GTS IN 17 MIN
FFP - GTS
SLID TOOL APPROX 5' TO BOTTOM

Recovery - Total Feet 180 GIP _____ Ft. in DC 180 Ft. in DP -
 Rec. 180 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 88 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 20000 ppm System

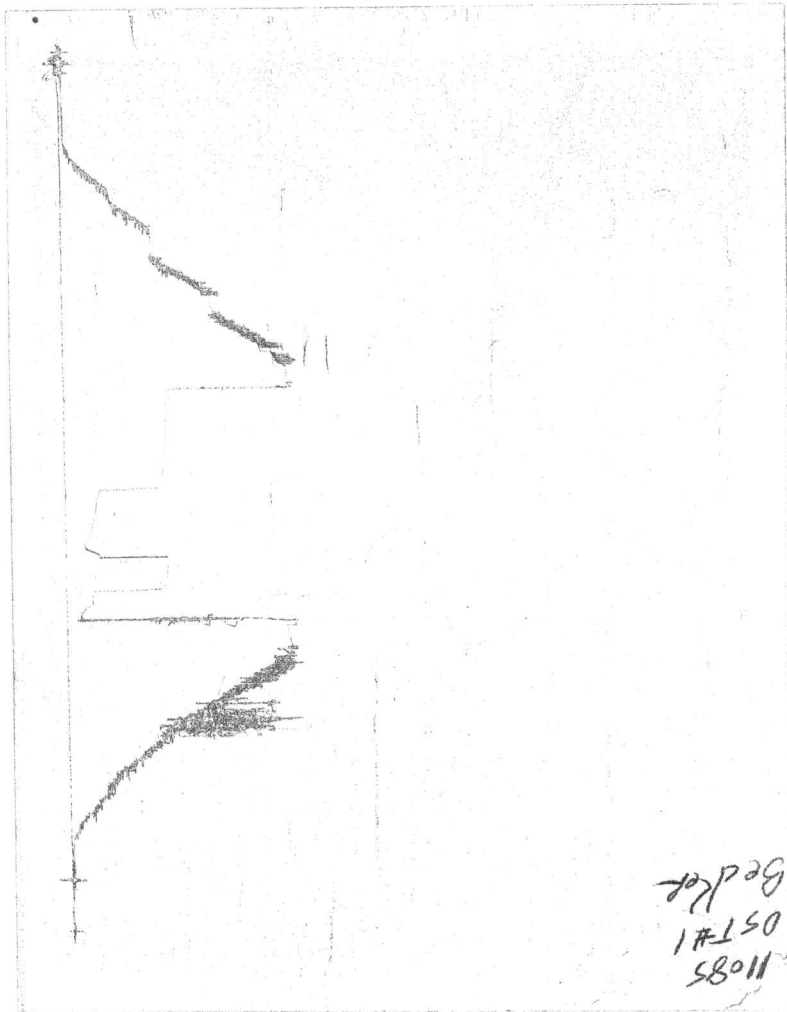
(A) Initial Hydrostatic Mud	AK-1	Alpine	1246	PSI	Recorder No.	6668	Test	700
(B) First Initial Flow Pressure			52	PSI	(depth)	2516	Elec. Rec.	150
(C) First Final Flow Pressure			161	PSI	Recorder No.	11085	Jars	
(D) Initial Shut-In Pressure			581	PSI	(depth)	2511	Safety Jt.	
(E) Second Initial Flow Pressure			119	PSI	Recorder No.	-	Circ Sub	
(F) Second Final Flow Pressure			203	PSI	(depth)	-	Sampler	
(G) Final Shut-In Pressure			579	PSI	Initial Opening	20	Straddle	
(Q) Final Hydrostatic Mud			1247	PSI	Initial Shut-In	30	Ext. Packer	
					Final Flow	45	Shale Packer	
					Final Shut-In	75	Mileage	98(196) 166.60
					T-On Location	1815	Sub Total:	1016.60
					T-Started	1834	Std. By	4hr 240.00
					T-Open	2245	Other	
					T-Pulled	0135	Total:	1256.60
					T-Out	0610		

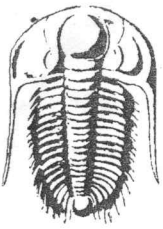
TRILLOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS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

Approved By _____
 Our Representative Ray Schwager Thank you

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19830

05/03

Test Ticket

Well Name & No. Benish #1 Test No. 2 Date 2-13-04
 Company Becker Oil Corporation Zone Tested _____
 Address 122 E. Grand, suite 212 Ponca City, OK 74601 Elevation 2491 KB 2485 GL _____
 Co. Rep / Geo. Jim Musgrove Cont. Cheyenne rig 4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 9 Twp. 24^s Rge. 24^w Co. Hodgeman State KS
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2604 - 2637 Initial Str Wt./Lbs. 58000 Unseated Str Wt./Lbs. 58000
 Anchor Length 33 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 70000
 Top Packer Depth 2599 Tool Weight 2200
 Bottom Packer Depth 2604 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 2637 Wt. Pipe Run _____ Drill Collar Run 585
 Mud Wt. 9 LCM 1# Vis. 40 WL 4.8 Drill Pipe Size 4 1/2" Ft. Run 2021
 Blow Description IFF - WEAK Blow thru-out 1/2" to surface Blow
FFP - surface Blow, flushed tool, got surge after flush
slid tool approx 4' to bottom

Recovery - Total Feet 150 GIP _____ Ft. in DC 150 Ft. in DP _____
 Rec. 150 Feet of Mud %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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 86 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 16000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1291</u> PSI	<u>6668</u>	<u>700</u>
(B) First Initial Flow Pressure		<u>39</u> PSI	(depth) <u>2605</u>	Elec. Rec. <u>750</u>
(C) First Final Flow Pressure		<u>56</u> PSI	Recorder No. <u>11085</u>	Jars _____
(D) Initial Shut-In Pressure		<u>457</u> PSI	(depth) <u>2634</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>59</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>95</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>493</u> PSI	Initial Opening <u>20</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1273</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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Approved By _____

Our Representative Ray Schwager Thank you

Final Flow	<u>30</u>	Shale Packer	_____
Final Shut-In	<u>30</u>	Mileage <u>36</u>	<u>166.60</u>
T-On Location	<u>1500</u>	Sub Total:	<u>1016.60</u>
T-Started	<u>1527</u>	Std. By <u>2hr</u>	<u>120.00</u>
T-Open	<u>1855</u>	Other	_____
T-Pulled	<u>2045</u>	Total:	<u>1136.60</u>
T-Out	<u>0100</u>		

CHART PAGE

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

