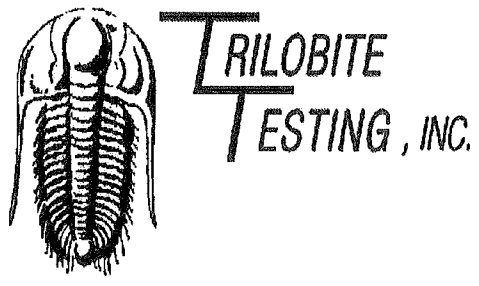


15-051-25956

20-15s-18w



DRILL STEM TEST REPORT

Prepared For: **Dreilling Oil Inc**
 Po Box 550
 Hays Ks 67601

ATTN: Terry Piesker

20 15 18 Ellis KS

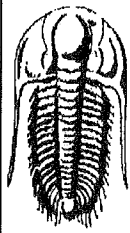
Grabbe B 1

Start Date: 2010.02.15 @ 22:32:00
 End Date: 2010.02.16 @ 05:15:30
 Job Ticket #: 38131 DST #: 1

Trilobite Testing, Inc
 PO Box 1733 Hays, KS 67601
 ph: 785-625-4778 fax: 785-625-5620

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 24 2010
 CONSERVATION DIVISION
 WICHITA, KS

Dreilling Oil Inc
 Grabbe B 1
 20 15 18 Ellis KS
 DST # 1
 Toronto/D
 L
 2010.02.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Drilling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

ATTN: Terry Piesker

Job Ticket: 38131

DST#: 1

Test Start: 2010.02.15 @ 22:32:00

GENERAL INFORMATION:

Formation: **Toronto/D L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:13:00

Time Test Ended: 05:15:30

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3197.00 ft (KB) To 3290.00 ft (KB) (TVD)**

Total Depth: 3290.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1966.00 ft (KB)

1958.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 422.82 psig @ 3200.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.02.15

End Date: 2010.02.16

Last Calib.: 2010.02.16

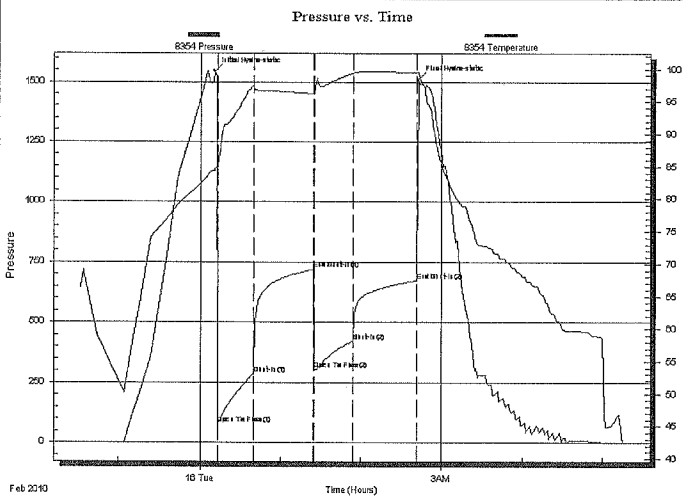
Start Time: 22:32:01

End Time: 05:15:30

Time On Btm: 2010.02.16 @ 00:10:30

Time Off Btm: 2010.02.16 @ 02:43:00

TEST COMMENT: IF-Strong B-B in 1.5 min
ISI-Weak steady surface blow
FF-Strong B-B in 2 min
FSI-Strong B-B in 15 min



PRESSURE SUMMARY

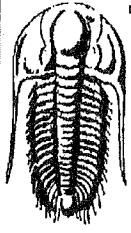
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.88	84.40	Initial Hydro-static
3	75.84	85.01	Open To Flow (1)
30	286.23	97.37	Shut-In(1)
74	719.67	96.28	End Shut-In(1)
75	303.88	96.20	Open To Flow (2)
104	422.82	99.38	Shut-In(2)
152	673.87	99.45	End Shut-In(2)
153	1508.21	99.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Wtr	4.35
434.00	MCGsyO 20%g70%o 10%m	6.09
186.00	SiltyOCGsyM 10%g 3%o 87%m	2.61
0.00	1054 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

ATTN: Terry Plesker

Job Ticket: 38131

DST#: 1

Test Start: 2010.02.15 @ 22:32:00

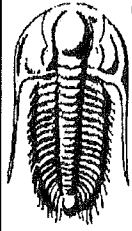
Tool Information

Drill Pipe:	Length: 3187.00 ft	Diameter: 3.80 inches	Volume: 44.71 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 44.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3197.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.00 ft			
Tool Length:	113.00 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			3178.00	
Shut In Tool	5.00			3183.00	
Hydraulic tool	5.00			3188.00	
Packer	5.00			3193.00	20.00 Bottom Of Top Packer
Packer	4.00			3197.00	
Stubb	1.00			3198.00	
Perforations	1.00			3199.00	
Change Over Sub	1.00			3200.00	
Recorder	0.00	8354	Inside	3200.00	
Recorder	0.00	8520	Outside	3200.00	
Drill Pipe	62.00			3262.00	
Change Over Sub	1.00			3263.00	
Perforations	24.00			3287.00	
Bullnose	3.00			3290.00	93.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreilling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

Job Ticket: 38131

DST#: 1

ATTN: Terry Piesker

Test Start: 2010.02.15 @ 22:32:00

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:

60000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Wtr	4.348
434.00	MCGsyO 20%g70%o 10%m	6.088
186.00	SlttyOCGsyM 10%g 3%o 87%m	2.609
0.00	1054 GIP	0.000

Total Length: 930.00 ft Total Volume: 13.045 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

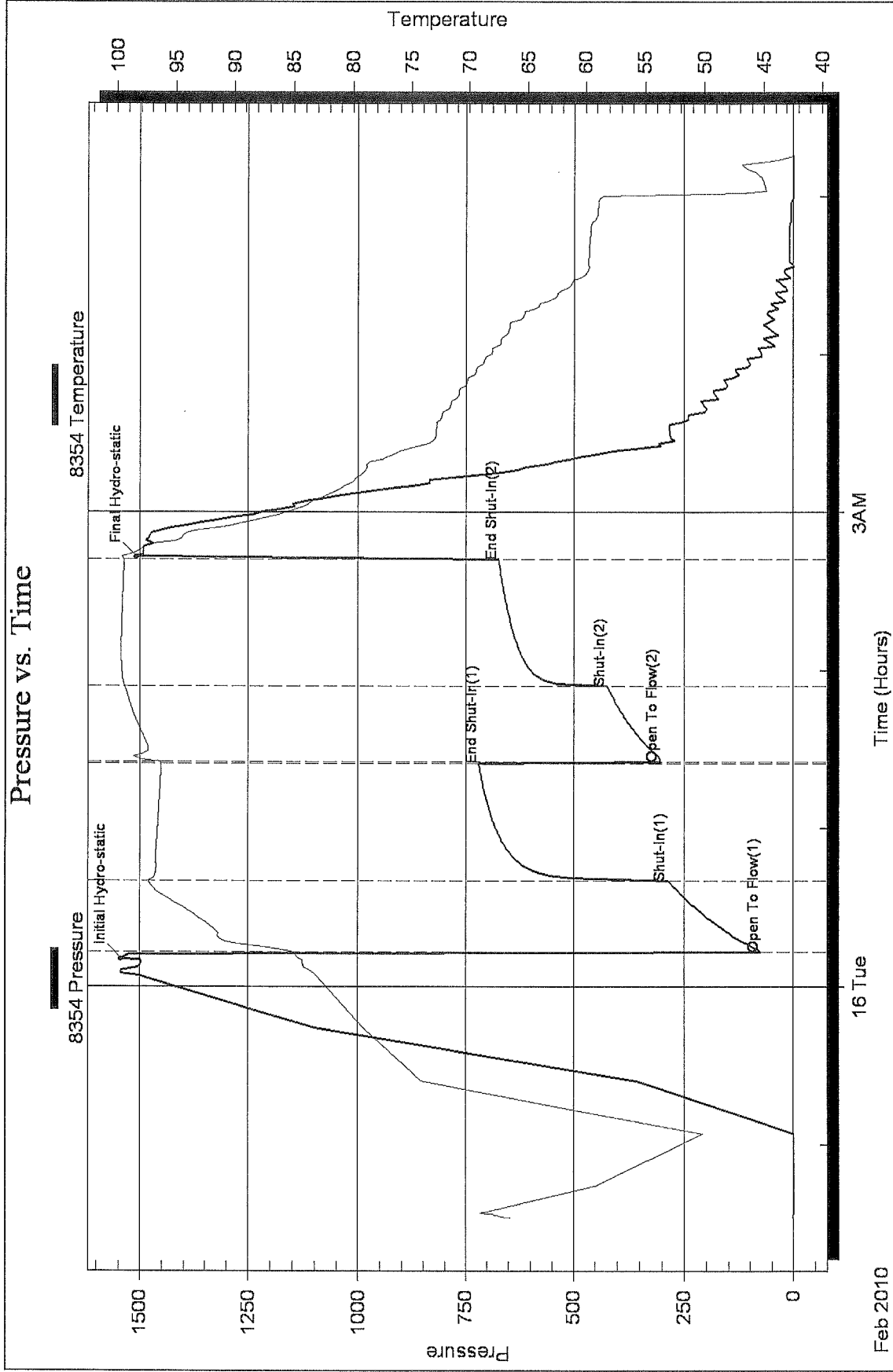
Serial #:

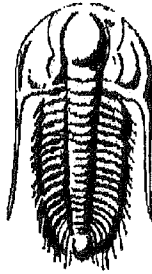
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13 @ 80 = 60000ppm

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

Po Box 550
Hays Ks 67601

ATTN: Terry Piesker

20 15 18 Ellis KS

Grabbe B 1

Start Date: 2010.02.16 @ 19:47:04

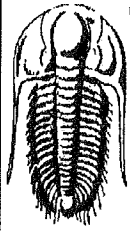
End Date: 2010.02.17 @ 00:35:04

Job Ticket #: 38132 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Drilling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

ATTN: Terry Piesker

Job Ticket: 38132

DST#: 2

Test Start: 2010.02.16 @ 19:47:04

GENERAL INFORMATION:

Formation: **J LKC**

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

Time Tool Opened: 21:19:04

Time Test Ended: 00:35:04

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: **3407.00 ft (KB) To 3425.00 ft (KB) (TVD)**

Reference Elevations: **1966.00 ft (KB)**

Total Depth: **3425.00 ft (KB) (TVD)**

1958.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **8.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **12.99 psig @ 3408.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.02.16**

End Date:

2010.02.17

Last Calib.: **2010.02.17**

Start Time: **19:47:05**

End Time:

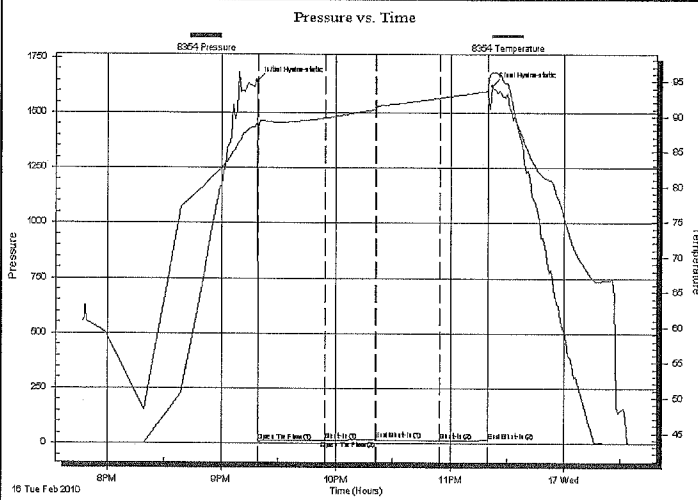
00:35:04

Time On Btm: **2010.02.16 @ 21:18:34**

Time Off Btm: **2010.02.16 @ 23:22:04**

TEST COMMENT: **IF-Weak died in 25 min**

FF-No blow



PRESSURE SUMMARY

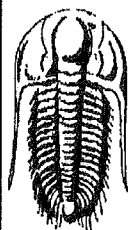
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.27	89.26	Initial Hydro-static
1	9.60	88.34	Open To Flow (1)
36	12.96	89.81	Shut-In(1)
62	18.50	90.96	End Shut-In(1)
63	12.43	91.01	Open To Flow (2)
96	12.99	92.64	Shut-In(2)
121	16.09	93.65	End Shut-In(2)
124	1622.53	96.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig Mud	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

Job Ticket: 38132

DST#: 2

ATTN: Terry Piesker

Test Start: 2010.02.16 @ 19:47:04

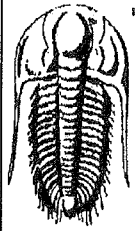
Tool Information

Drill Pipe:	Length: 3406.00 ft	Diameter: 3.80 inches	Volume: 47.78 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 47.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3407.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			3388.00	
Shut In Tool	5.00			3393.00	
Hydraulic tool	5.00			3398.00	
Packer	5.00			3403.00	20.00 Bottom Of Top Packer
Packer	4.00			3407.00	
Stubb	1.00			3408.00	
Recorder	0.00	8354	Inside	3408.00	
Recorder	0.00	8520	Outside	3408.00	
Perforations	14.00			3422.00	
Bullnose	3.00			3425.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

Job Ticket: 38132

DST#: 2

ATTN: Terry Plesker

Test Start: 2010.02.16 @ 19:47:04

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Drig Mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8354

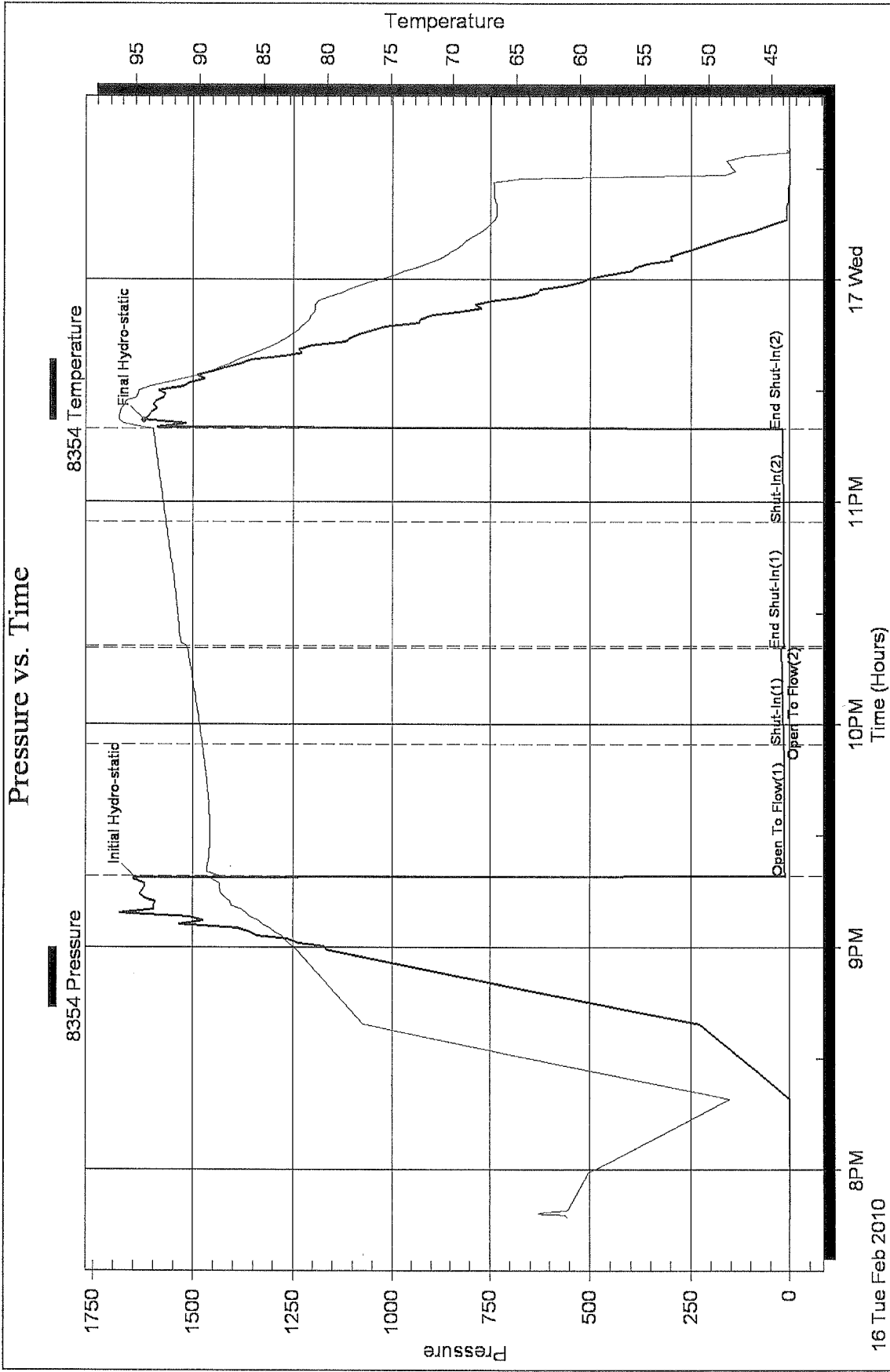
Inside

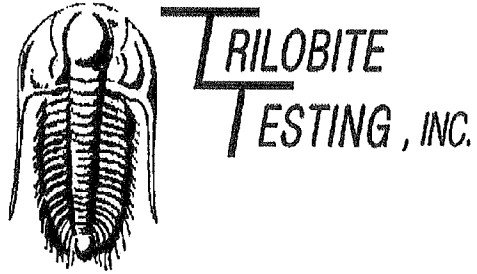
Dreiling Oil Inc

20 15 18 Ellis KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

Po Box 550
Hays Ks 67601

ATTN: Terry Piesker

20 15 18 Ellis KS

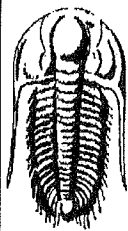
Grabbe B 1

Start Date: 2010.02.17 @ 13:12:13

End Date: 2010.02.17 @ 19:05:43

Job Ticket #: 38133 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dreiling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

ATTN: Terry Plesker

Job Ticket: 38133

DST#: 3

Test Start: 2010.02.17 @ 13:12:13

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:49:13
 Time Test Ended: 19:05:43

Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38

Interval: **3510.00 ft (KB) To 3553.00 ft (KB) (TVD)**
 Total Depth: 3553.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1966.00 ft (KB)
 1958.00 ft (CF)
 KB to GR/CF: 8.00 ft

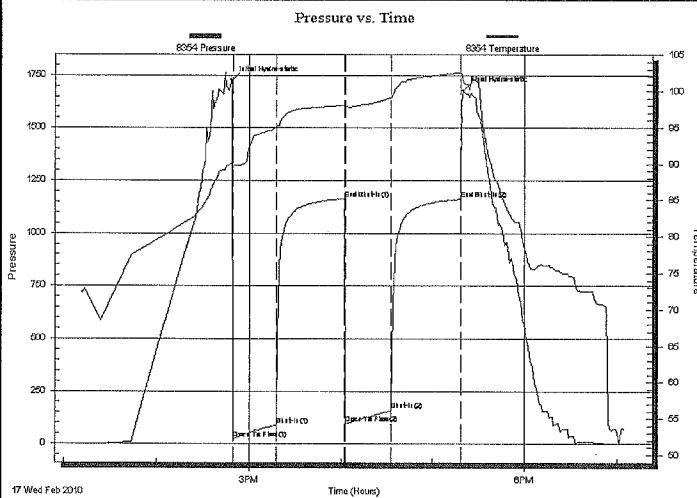
Serial #: 8354

Inside

Press@RunDepth: 159.64 psig @ 3517.00 ft (KB)
 Start Date: 2010.02.17 End Date: 2010.02.17
 Start Time: 13:12:14 End Time: 19:05:43

Capacity: 8000.00 psig
 Last Calib.: 2010.02.17
 Time On Btm: 2010.02.17 @ 14:48:43
 Time Off Btm: 2010.02.17 @ 17:20:13

TEST COMMENT: IF-Strong B-B in 11 min
 ISI-Weak steady surface blow
 FF-Strong B-B in 11 min
 FSI-Weak steady surface blow



PRESSURE SUMMARY

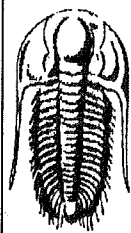
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1726.96	90.15	Initial Hydro-static
1	22.09	89.59	Open To Flow (1)
29	88.56	94.98	Shut-In(1)
73	1163.87	98.07	End Shut-In(1)
74	95.70	97.71	Open To Flow (2)
105	159.64	99.12	Shut-In(2)
150	1161.56	102.56	End Shut-In(2)
152	1679.39	101.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MGSyO 10%g 60%o 30%m	1.74
62.00	MGSyO 10%g 70%o 20%m	0.87
185.00	CGSyO 10%g 90%o	2.60
0.00	248 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

ATTN: Terry Piesker

Job Ticket: 38133

DST#: 3

Test Start: 2010.02.17 @ 13:12:13

Tool Information

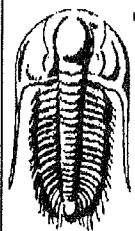
Drill Pipe:	Length: 3503.00 ft	Diameter: 3.80 inches	Volume: 49.14 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 49.14 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3510.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 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			3491.00	
Shut In Tool	5.00			3496.00	
Hydraulic tool	5.00			3501.00	
Packer	5.00			3506.00	20.00 Bottom Of Top Packer
Packer	4.00			3510.00	
Stubb	1.00			3511.00	
Perforations	5.00			3516.00	
Change Over Sub	1.00			3517.00	
Recorder	0.00	8354	Inside	3517.00	
Recorder	0.00	8520	Outside	3517.00	
Drill Pipe	31.00			3548.00	
Change Over Sub	1.00			3549.00	
Bullnose	3.00			3552.00	42.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

Grabbe B 1

Po Box 550
Hays Ks 67601

20 15 18 Ellis KS

Job Ticket: 38133

DST#: 3

ATTN: Terry Piesker

Test Start: 2010.02.17 @ 13:12:13

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MCGsyO 10%g 60%o 30%m	1.739
62.00	MCGsyO 10%g 70%o 20%m	0.870
185.00	CGsyO 10%g 90%o	2.595
0.00	248 GIP	0.000

Total Length: 371.00 ft Total Volume: 5.204 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

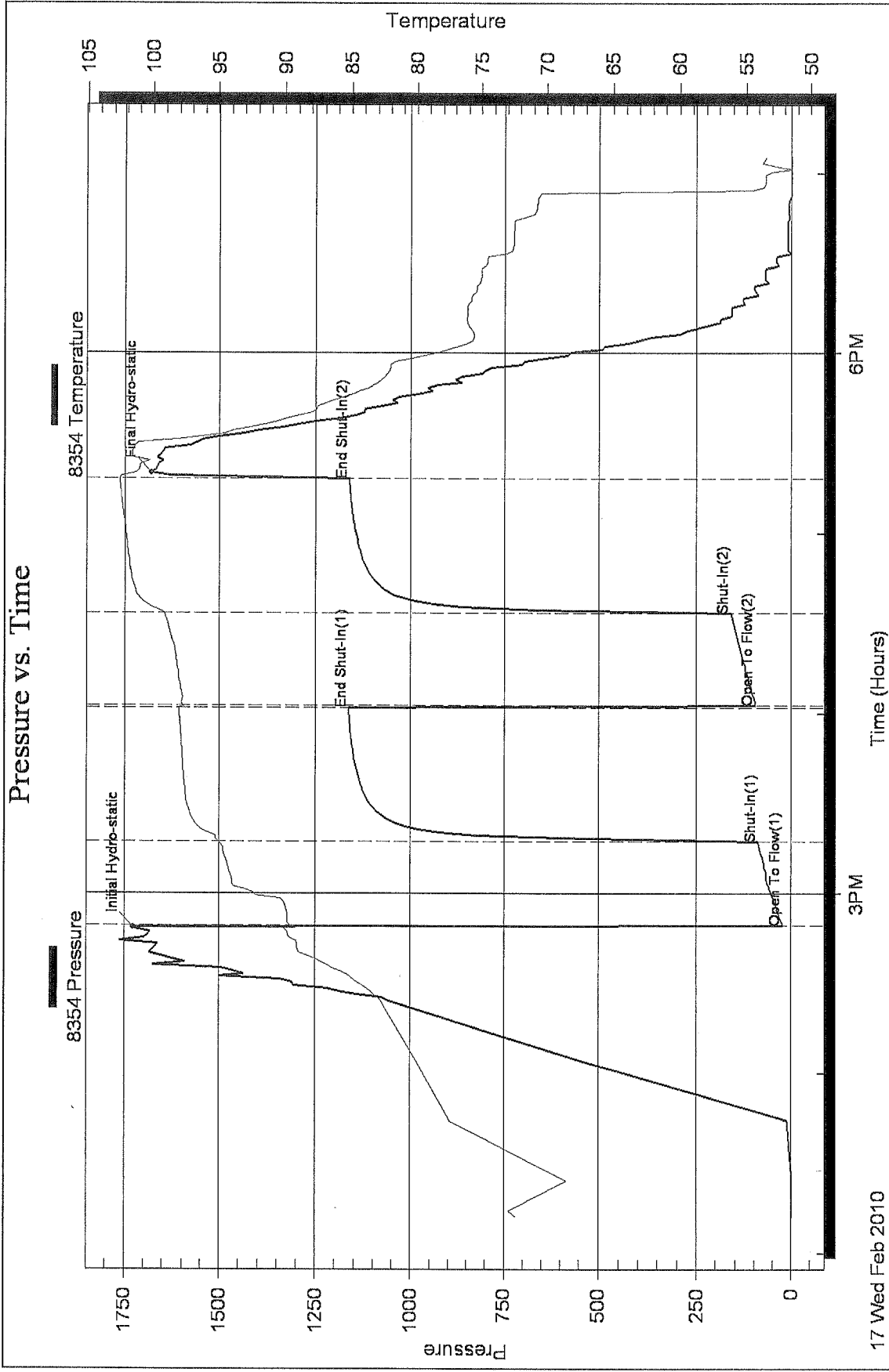
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



17 Wed Feb 2010

3PM

Time (Hours)

6PM