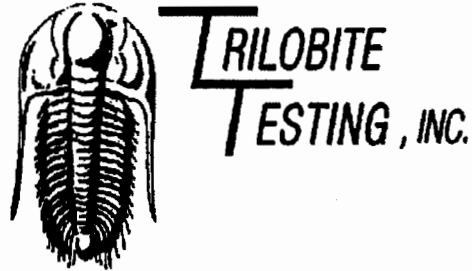


15-051-26149

API # 15.051.26149.00.00

16-15s-18w



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Piesker

Grabbe A #2

16-15s-18w Ellis,KS

Start Date: 2011.09.23 @ 14:50:48

End Date: 2011.09.23 @ 21:48:12

Job Ticket #: 44561 DST #: 1

Dreiling Oil Inc
16-15s-18w Ellis,KS
Grabbe A #2
DST # 1
LKC D-E
2011.09.23

RECEIVED
NOV 04 2011
KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.28 @ 14:38:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Drilling Oil Inc

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44561

DST#: 1

ATTN: Terry Flesker

Test Start: 2011.09.23 @ 14:50:48

GENERAL INFORMATION:

Formation: **LKC D-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:43

Time Test Ended: 21:48:12

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: **3367.00 ft (KB) To 3406.00 ft (KB) (TVD)**

Reference Elevations: 2055.00 ft (KB)

Total Depth: 3406.00 ft (KB) (TVD)

2047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 147.17 psig @ 3371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.23

End Date: 2011.09.23

Last Calib.: 2011.09.23

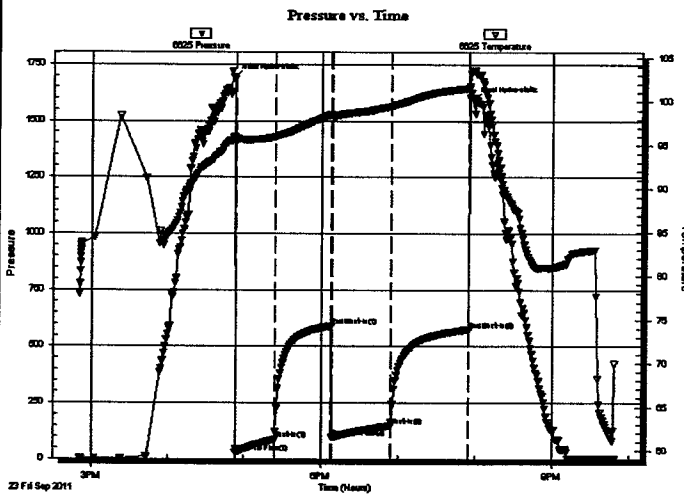
Start Time: 14:50:48

End Time: 21:48:12

Time On Btm: 2011.09.23 @ 16:51:43

Time Off Btm: 2011.09.23 @ 19:58:12

TEST COMMENT: 30-IFP-w k to strg in 4 min
45-ISIP-2 1/4"bl bk
45-FFP-w k to strg in 8 min
60-FSIP-1"bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.98	95.93	Initial Hydro-static
1	30.07	95.34	Open To Flow (1)
32	87.13	95.91	Shut-In(1)
76	590.48	98.51	End Shut-In(1)
77	96.70	98.36	Open To Flow (2)
122	147.17	99.39	Shut-In(2)
183	575.17	101.53	End Shut-In(2)
187	1592.18	103.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	1.47
124.00	SO&GOMW 16%G4%)20%M60%W	1.74
30.00	CO	0.42
0.00	930' 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

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44561

DST#: 1

ATTN: Terry Resker

Test Start: 2011.09.23 @ 14:50:48

Tool Information

Drill Pipe:	Length: 3323.00 ft	Diameter: 3.80 inches	Volume: 46.61 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3367.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	60.00 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			3347.00	
Shut In Tool	5.00			3352.00	
Hydraulic tool	5.00			3357.00	
Packer	5.00			3362.00	21.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Perforations	3.00			3371.00	
Recorder	0.00	6625	Inside	3371.00	
Recorder	0.00	8700	Outside	3371.00	
Blank Spacing	32.00			3403.00	
Bullnose	3.00			3406.00	39.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44561

DST#: 1

ATTN: Terry Flesker

Test Start: 2011.09.23 @ 14:50:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

80000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohmm

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	Water	1.466
124.00	SO&GCMW 16%G4%)20%M60%W	1.739
30.00	CO	0.421
0.00	930' GIP	0.000

Total Length: 278.00 ft

Total Volume: 3.626 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.06@75F

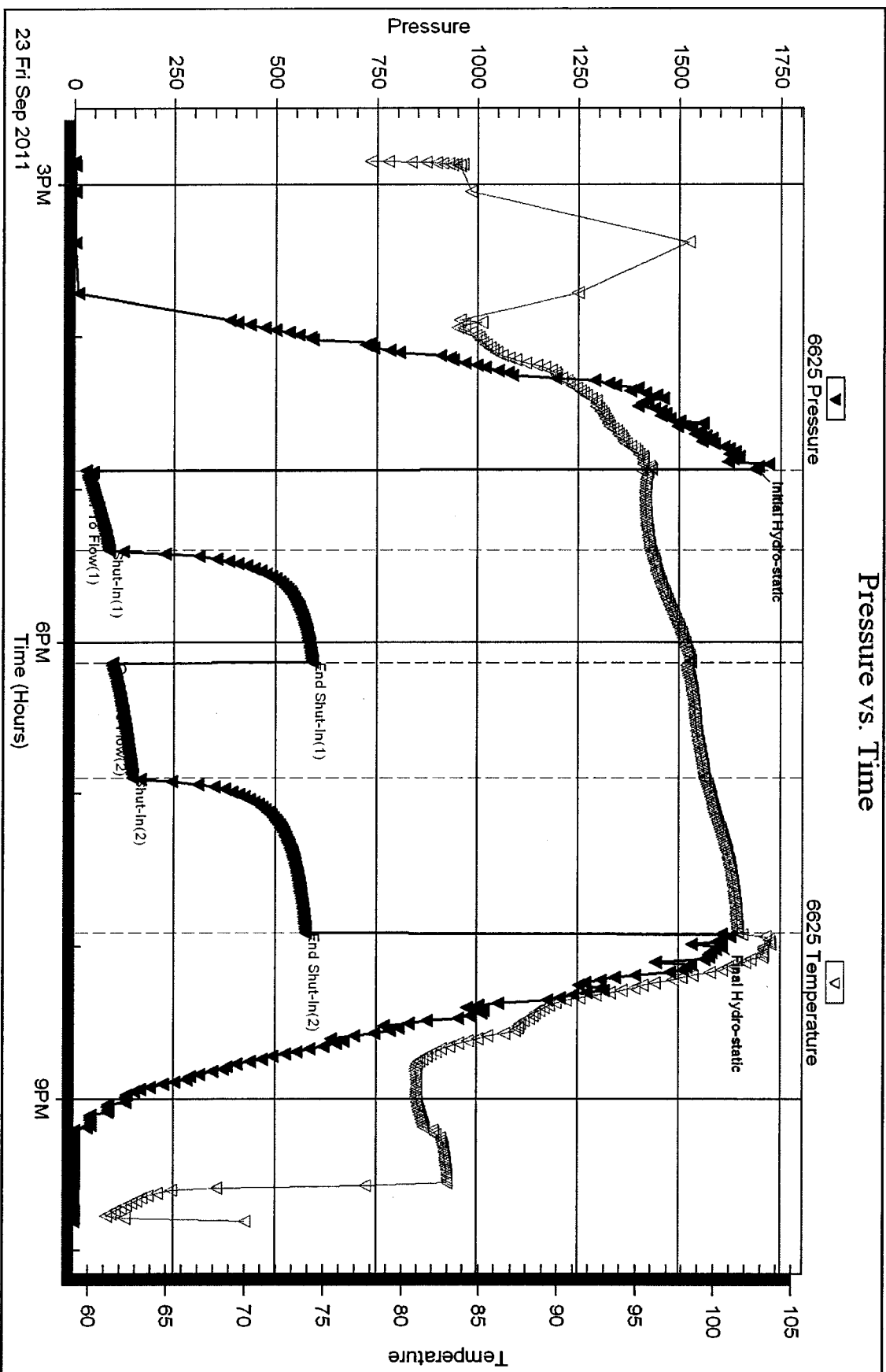
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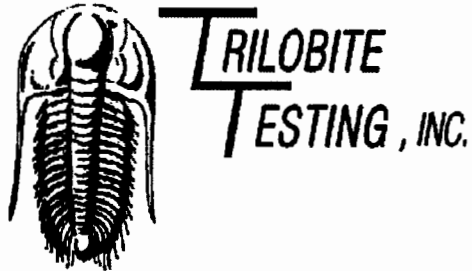
Inside

Drilling Oil Inc

Grabbe A #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Piesker

Grabbe A #2

16-15s-18w Ellis,KS

Start Date: 2011.09.24 @ 09:40:31

End Date: 2011.09.24 @ 15:42:55

Job Ticket #: 44562 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Dreiling Oil Inc

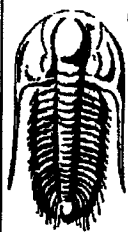
16-15s-18w Ellis,KS

Grabbe A #2

DST # 2

LKC H-J

2011.09.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Drilling Oil Inc
PO Box 550
Hays KS 67601
ATTN: Terry Flesker

16-15s-18w Ellis,KS
Grabbe A #2
Job Ticket: 44562 **DST#: 2**
Test Start: 2011.09.24 @ 09:40:31

GENERAL INFORMATION:

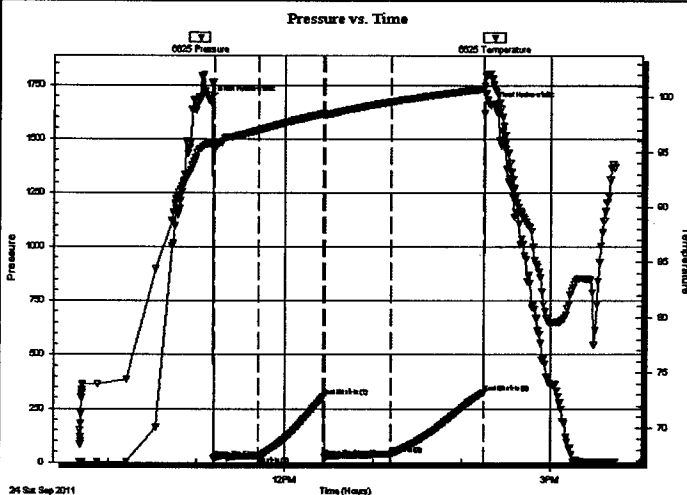
Formation: **LKC H-J**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 11:11:56
Time Test Ended: 15:42:55
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Ray Schwager**
Unit No: **42**
Interval: **3445.00 ft (KB) To 3516.00 ft (KB) (TVD)**
Reference Elevations: 2055.00 ft (KB)
Total Depth: **3516.00 ft (KB) (TVD)** 2047.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 40.20 psig @ 3450.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.24 End Date: 2011.09.24 Last Calib.: 2011.09.24
Start Time: 09:40:31 End Time: 15:42:55 Time On Btm: 2011.09.24 @ 11:09:26
Time Off Btm: 2011.09.24 @ 14:18:55

TEST COMMENT: 30-IFP-w k to a fr bl 1/4" to 5" bl
45-ISIP-no bl bk
45-FFP-fr to strg in 30 min 4" to BOB
60FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.81	95.78	Initial Hydro-static
3	19.61	95.18	Open To Flow (1)
33	31.19	96.99	Shut-In(1)
77	306.48	98.48	End Shut-In(1)
78	26.33	98.40	Open To Flow (2)
123	40.20	99.55	Shut-In(2)
185	325.06	100.74	End Shut-In(2)
190	1653.43	102.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	GHOOM 40%G25%O35%M	0.43
0.00	260' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Drilling Oil Inc

16-15s-18w Ellis, KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44562

DST#: 2

ATTN: Terry Flesker

Test Start: 2011.09.24 @ 09:40:31

Tool Information

Drill Pipe:	Length: 3416.00 ft	Diameter: 3.80 inches	Volume: 47.92 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3445.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	92.00 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
Change Over Sub	1.00			3425.00	
Shut In Tool	5.00			3430.00	
Hydraulic tool	5.00			3435.00	
Packer	5.00			3440.00	21.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Perforations	4.00			3450.00	
Recorder	0.00	6625	Inside	3450.00	
Recorder	0.00	8700	Outside	3450.00	
Blank Spacing	63.00			3513.00	
Bullnose	3.00			3516.00	71.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44562

DST#: 2

ATTN: Terry Fesker

Test Start: 2011.09.24 @ 09:40:31

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	GHOCM 40%G25%O35%M	0.428
0.00	260' GIP	0.000

Total Length: 50.00 ft

Total Volume: 0.428 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

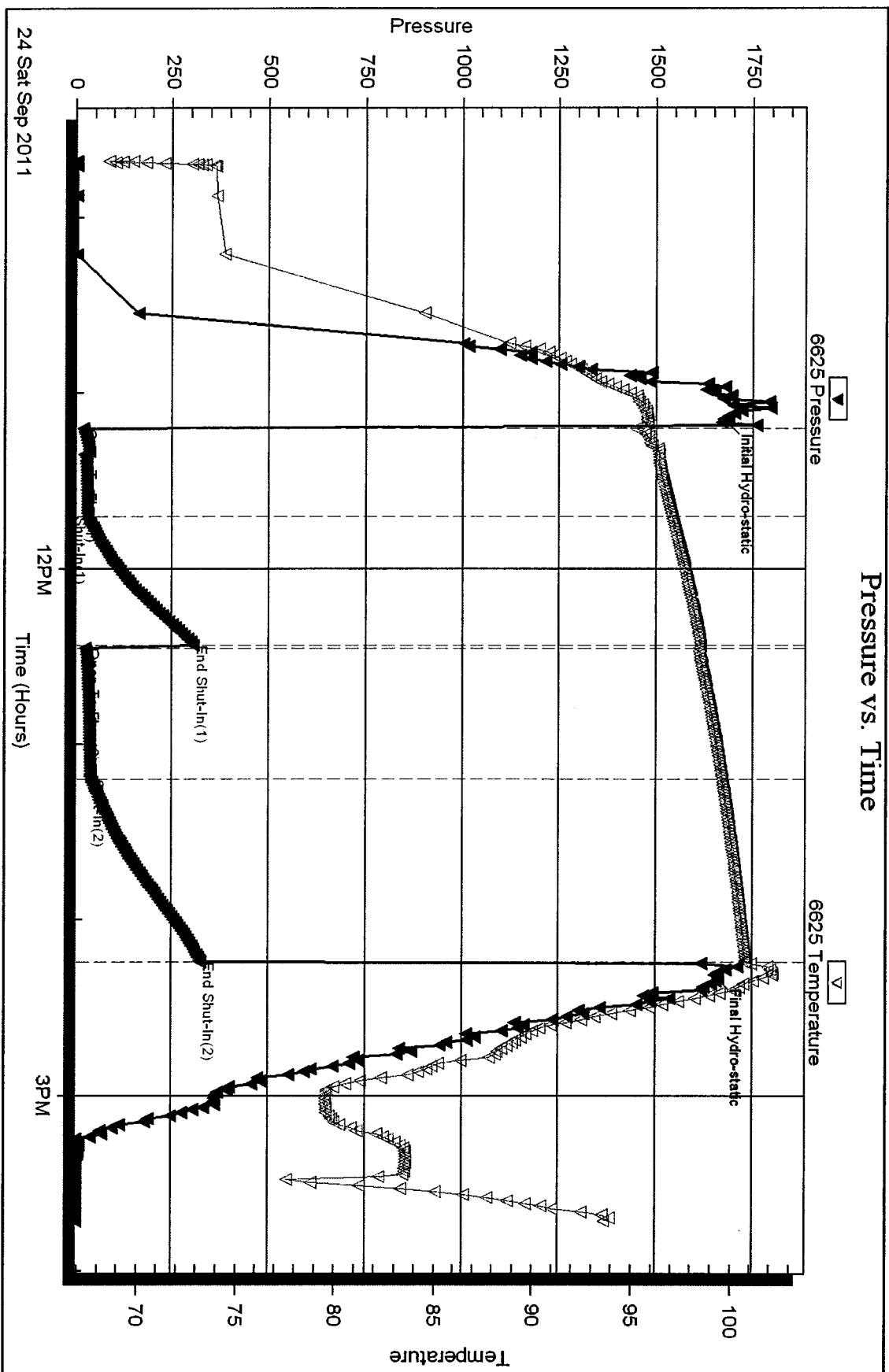
Serial #: 6625

Inside

Drilling Oil Inc

Grabbe A #2

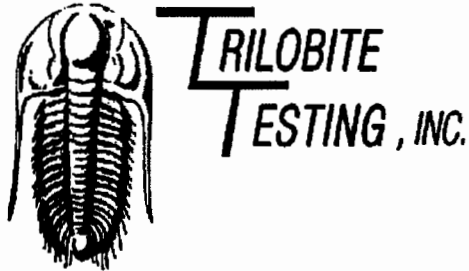
DST Test Number: 2



Tribolite Testing, Inc

Ref. No: 44562

Printed: 2011.09.28 @ 14:39:05



DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays KS 67601

ATTN: Terry Piesker

Grabbe A #2

16-15s-18w Ellis,KS

Start Date: 2011.09.25 @ 02:45:51

End Date: 2011.09.25 @ 08:18:15

Job Ticket #: 44563 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Dreiling Oil Inc

16-15s-18w Ellis,KS

Grabbe A #2

DST # 3

Arbuckle

2011.09.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Drilling Oil Inc

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44563

DST#: 3

ATTN: Terry Flesker

Test Start: 2011.09.25 @ 02:45:51

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:46

Time Test Ended: 08:18:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: **3612.00 ft (KB) To 3626.00 ft (KB) (TVD)**

Reference Elevations: 2055.00 ft (KB)

Total Depth: 3626.00 ft (KB) (TVD)

2047.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 219.61 psig @ 3618.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.25 End Date: 2011.09.25

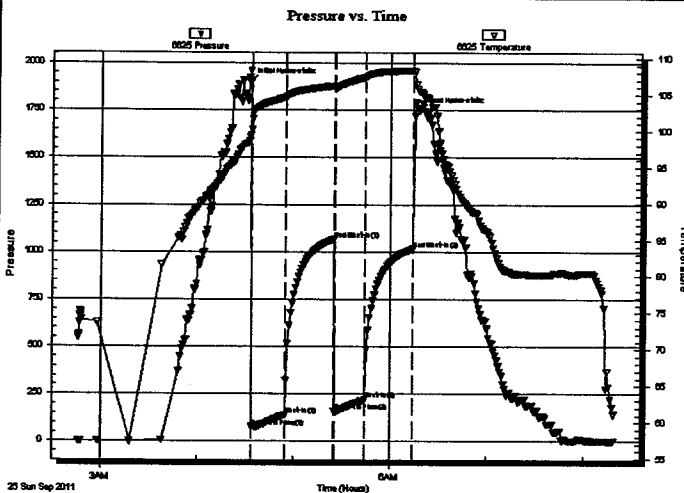
Last Calib.: 2011.09.25

Start Time: 02:45:51 End Time: 08:18:15

Time On Btm: 2011.09.25 @ 04:32:46

Time Off Btm: 2011.09.25 @ 06:18:16

TEST COMMENT: 20-IFP-w k to strg in 3 min
30-ISIP-1/4" bl bk
20-FFP-w k to strg in 5 min
30-FSIP-1/4" bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.86	99.17	Initial Hydro-static
1	75.32	100.20	Open To Flow (1)
22	140.07	104.63	Shut-In(1)
52	1066.28	106.21	End Shut-In(1)
53	157.38	105.97	Open To Flow (2)
72	219.61	107.40	Shut-In(2)
102	1015.42	108.32	End Shut-In(2)
106	1745.21	105.43	Final Hydro-static

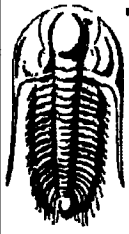
Recovery

Length (ft)	Description	Volume (bbl)
124.00	MGO 20%G20%MB0%O	1.47
410.00	CO	5.75
0.00	270'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44563

DST#: 3

ATTN: Terry Flesker

Test Start: 2011.09.25 @ 02:45:51

Tool Information

Drill Pipe:	Length: 3571.00 ft	Diameter: 3.80 inches	Volume: 50.09 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3612.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	35.00 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			3592.00	
Shut In Tool	5.00			3597.00	
Hydraulic tool	5.00			3602.00	
Packer	5.00			3607.00	21.00 Bottom Of Top Packer
Packer	5.00			3612.00	
Stubb	1.00			3613.00	
Perforations	5.00			3618.00	
Recorder	0.00	6625	Inside	3618.00	
Recorder	0.00	8700	Outside	3618.00	
Perforations	5.00			3623.00	
Bullnose	3.00			3626.00	14.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Drilling Oil Inc

16-15s-18w Ellis,KS

PO Box 550
Hays KS 67601

Grabbe A #2

Job Ticket: 44563

DST#: 3

ATTN: Terry Flesker

Test Start: 2011.09.25 @ 02:45:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.71 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MGO 20%G20%M60%O	1.466
410.00	CO	5.751
0.00	270'GIP	0.000

Total Length: 534.00 ft

Total Volume: 7.217 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

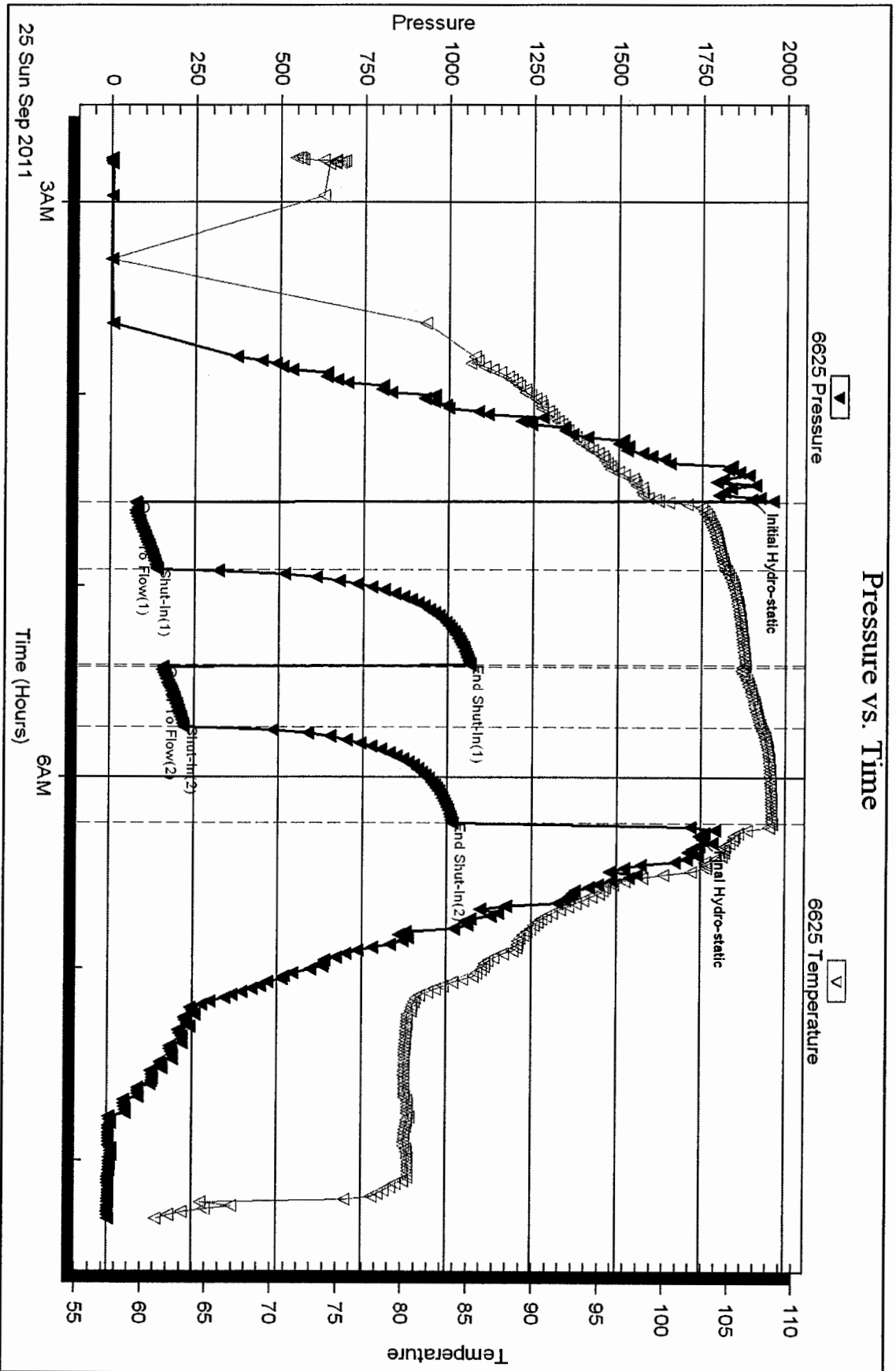
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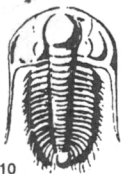
Inside

Drilling Oil Inc

Grabbe A #2

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 26 2011

Test Ticket

NO. 44561 16359

4/10

Well Name & No. GRABBE A#2 Test No. 1 Date 9-23-11
 Company DREILING OIL INC Elevation 2055 KB 2047 GL
 Address PO BOX 1550 HAYS, KS 67601
 Co. Rep / Geo. ROGER FISHER Rig DISCOVERY RIG 4
 Location: Sec. 16 Twp. 15^S Rge. 18^W Co. ELLIS State KS

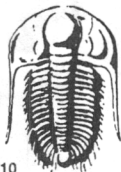
Interval Tested 3367-3406 Zone Tested LKC D-E
 Anchor Length 39 Drill Pipe Run 3323 Mud Wt. 8.9
 Top Packer Depth 3362 Drill Collars Run 30 Vis 44
 Bottom Packer Depth 3367 Wt. Pipe Run - WL 8.8
 Total Depth 3406 Chlorides 4000 ppm System LCM 1 1/2#
 Blow Description I FP - WEAK TO STRONG IN 4 MIN
ISIP - 2 1/4" BLOW BACK
FFP - WEAK TO STRONG IN 8 MIN
FSIP - 1" BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
930	GIA				
30	CO				
124	50+6CMW	16	4	60	20
124	WATER				

Rec Total 278 BHT 101 Gravity 38 API RW .06 @ 75 ° F Chlorides 80000 ppm
 (A) Initial Hydrostatic 1688 Test 1125 T-On Location 1330
 (B) First Initial Flow 30 Jars _____ T-Started 1450
 (C) First Final Flow 87 Safety Joint _____ T-Open 1650
 (D) Initial Shut-In 590 Circ Sub _____ T-Pulled 1950
 (E) Second Initial Flow 96 Hourly Standby _____ T-Out 2148
 (F) Second Final Flow 147 Mileage 20 RT 28⁰⁰ Comments _____
 (G) Final Shut-In 575 Sampler _____
 (H) Final Hydrostatic 1592 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1153
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1153

Approved By _____ Our Representative RAY SCHWAGER 904

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 26 2011

Test Ticket

NO. 44562

Well Name & No. Grabbe A #2 Test No. 2 Date 9-24-11
 Company Dreiling Oil Inc Elevation 2055 KB 2047 GL
 Address P.O. Box 550, Hays, Ks 67601
 Co. Rep / Geo. Roger Fisher Rig DISCOVERY rig 4
 Location: Sec. 16 Twp. 15^s Rge. 18^w Co. ELLIS State K

Interval Tested 3445-3516 Zone Tested LKC H-J
 Anchor Length 71 Drill Pipe Run 3416 Mud Wt. 9
 Top Packer Depth 3440 Drill Collars Run 30 Vis 62
 Bottom Packer Depth 3445 Wt. Pipe Run - WL 8.8
 Total Depth 3516 Chlorides 6000 ppm System LCM 1 1/2 #
 Blow Description IFP - WEAK TO A FAIR BLOW 1/4" TO 5" BLOW
ISIP - NO BLOW
FFP - FAIR TO STRONG IN 30 MIN 4" TO BOTTOM OF BUCKET
FSIP - NO BLOW

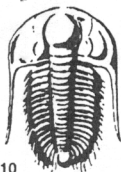
Rec	Feet of	%gas	%oil	%water	%mud
<u>260</u>	<u>GIP</u>				
<u>50</u>	<u>GACM</u>	<u>40</u>	<u>25</u>	<u>35</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 101 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1678 Test 1125 T-On Location 0830
 (B) First Initial Flow 19 Jars _____ T-Started 0940
 (C) First Final Flow 31 Safety Joint _____ T-Open 1110
 (D) Initial Shut-In 306 Circ Sub _____ T-Pulled 1410
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 1542
 (F) Second Final Flow 40 Mileage 20 RT 28' Comments _____
 (G) Final Shut-In 325 Sampler _____
 (H) Final Hydrostatic 1653 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1153
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1153

Approved By [Signature] Our Representative RAY SCHWAGN Thank you

TriLOBITE Testing Inc. shall not be liable for damaged or destroyed 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 26 2011

Test Ticket

NO. 44563

4/10

Well Name & No. Grabbe A #2 Test No. 3 Date 9-25-11
 Company Dreiling Oil Inc Elevation 2055 KB 2047 GL
 Address PO Box 550 Hays Ks 67601
 Co. Rep / Geo. Roger Fisher Rig Discovery rig 4
 Location: Sec. 16 Twp. 15S Rge. 18W Co. Ellis State Ks

Interval Tested 3612-3626 Zone Tested Arbuckle
 Anchor Length 14 Drill Pipe Run 3571 Mud Wt. 9.1
 Top Packer Depth 3607 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 3612 Wt. Pipe Run — WL 8.8
 Total Depth 3626 Chlorides 6000 ppm System LCM 1 1/2 #
 Blow Description IFP - WEAK TO STRONG IN 3 MIN
TSIP - 1/4" BLOW BACK
FFP - WEAK TO STRONG IN 5 MIN
FSIP - 1/4" BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
270	6 IP				
410	CD				
124	M60	20	60		20

Rec Total 534 BHT 108 Gravity 29 API RW — @ — °F Chlorides — ppm
 Test 1125'
 Jars
 Safety Joint
 Circ Sub
 Hourly Standby
 Mileage 20 RT 28'
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1153'
 T-On Location 0150
 T-Started 0245
 T-Open 0430
 T-Pulled 0610
 T-Out 0818
 Comments
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1153'
 MP/DST Disc't

Initial Open 20
 Initial Shut-In 30
 Final Flow 20
 Final Shut-In 30
 Approved By MJK/A Our Representative Ray Schwager Thank you

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