

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

3-18-30 Lane, KS

Sharp 1-3

Start Date: 2010.08.09 @ 18:39:12

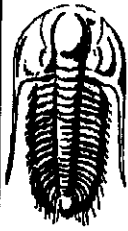
End Date: 2010.08.10 @ 00:42:36

Job Ticket #: 39116 DST #: 1

NOV 08 2010
CONFIDENTIAL

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

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NOV 09 2010
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

Sharp 1-3

3-18-30 Lane, KS

Job Ticket: 39116

DST#: 1

Test Start: 2010.08.09 @ 18:39:12

GENERAL INFORMATION:

Formation: **Lansing H-I**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 20:57:22
 Time Test Ended: 00:42:36

Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Turley**
 Unit No: **35**

Interval: **4104.00 ft (KB) To 4180.00 ft (KB) (TVD)**
 Total Depth: **4180.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2874.00 ft (KB)**
2864.00 ft (CF)
 KB to GR/CF: **10.00 ft**

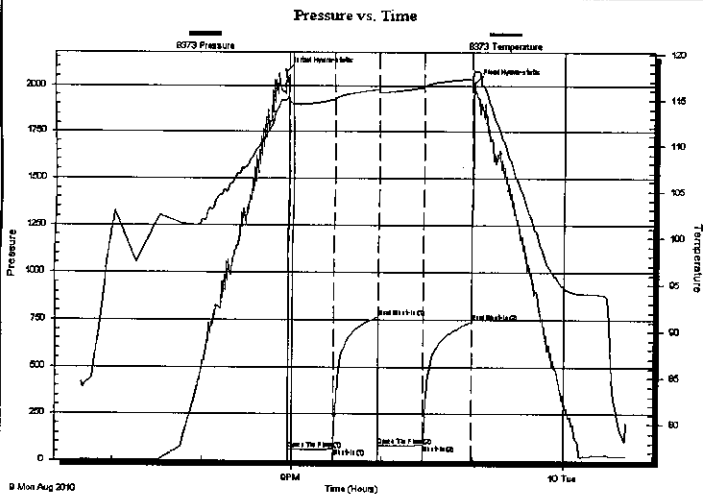
Serial #: 8373

Inside

Press@RunDepth: **85.56 psig @ 4105.00 ft (KB)**
 Start Date: **2010.08.09** End Date: **2010.08.10**
 Start Time: **18:39:12** End Time: **00:42:36**

Capacity: **8000.00 psig**
 Last Calib.: **2010.08.10**
 Time On Btm: **2010.08.09 @ 20:55:37**
 Time Off Btm: **2010.08.09 @ 23:00:21**

TEST COMMENT: IF: 1/4 blow built to 1 1/4 in 30 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

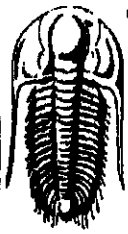
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2076.49	114.99	Initial Hydro-static
2	61.46	114.62	Open To Flow (1)
32	63.64	115.04	Shut-In(1)
62	763.76	116.20	End Shut-In(1)
62	81.35	115.88	Open To Flow (2)
92	85.56	116.43	Shut-In(2)
124	736.63	117.35	End Shut-In(2)
125	2012.12	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	ocm 2% o 98% m	0.49

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39116 **DST#: 1**
Test Start: 2010.08.09 @ 18:39:12

Tool Information

Drill Pipe:	Length: 3550.00 ft	Diameter: 3.80 inches	Volume: 49.80 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 52.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4104.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4082.00	
Shut In Tool	5.00			4087.00	
Hydraulic tool	5.00			4092.00	
Safety Joint	3.00			4095.00	
Packer	5.00			4100.00	23.00 Bottom Of Top Packer
Packer	4.00			4104.00	
Stubb	1.00			4105.00	
Recorder	0.00	8373	Inside	4105.00	
Recorder	0.00	8289	Outside	4105.00	
Perforations	5.00			4110.00	
Change Over Sub	1.00			4111.00	
Drill Pipe	63.00			4174.00	
Change Over Sub	1.00			4175.00	
Bullnose	5.00			4180.00	76.00 Bottom Packers & Anchor

Total Tool Length: 99.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Sharp 1-3

250 N. Water ste 300
Wichita, Ks 67202

3-18-30 Lane, KS

Job Ticket: 39116

DST#: 1

ATTN: Ken Leblanc

Test Start: 2010.08.09 @ 18:39:12

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.36 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

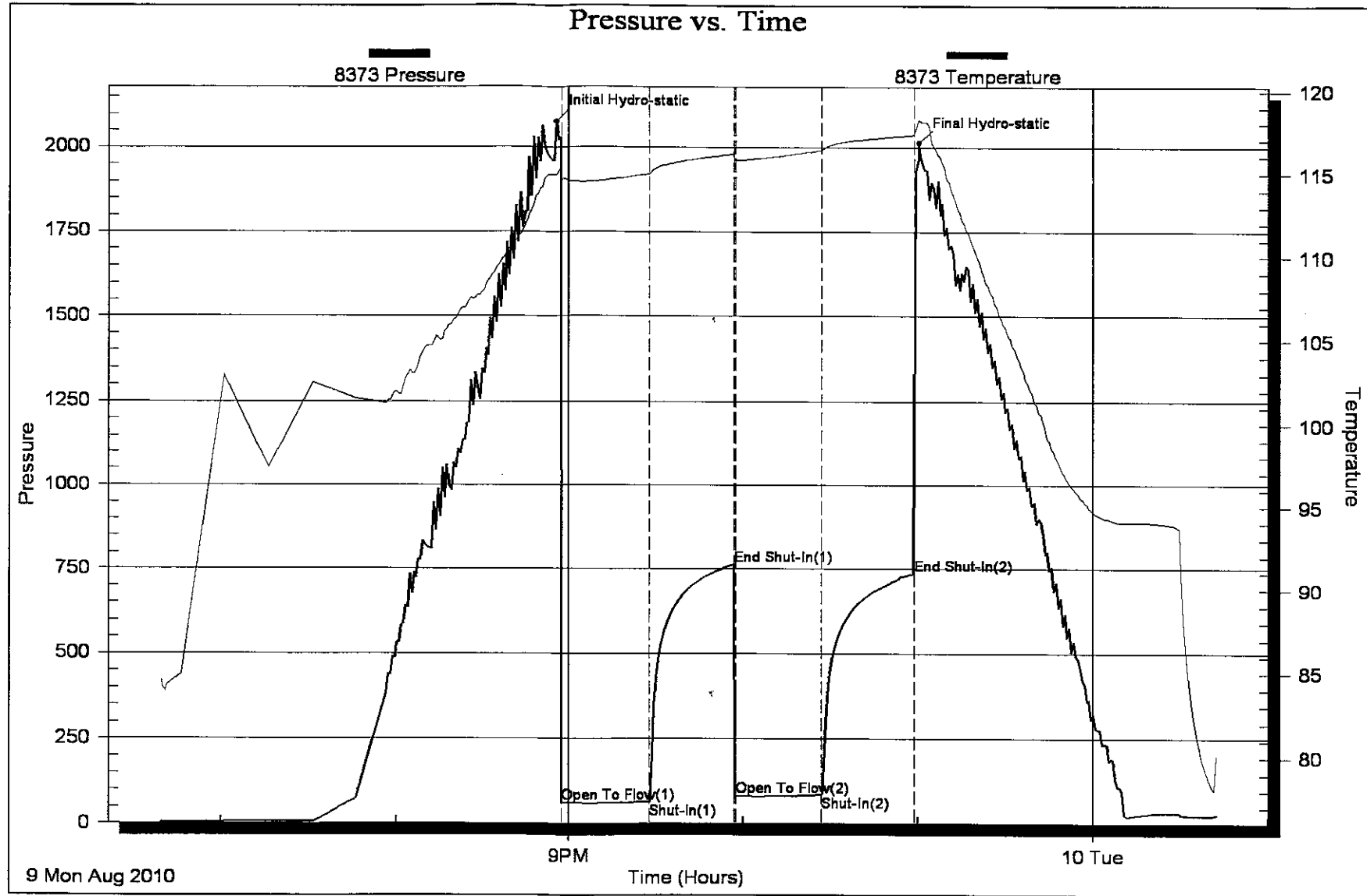
Length ft	Description	Volume bbl
100.00	ocm 2%o 98%m	0.492

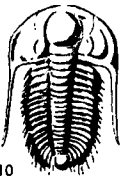
Total Length: 100.00 ft Total Volume: 0.492 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 039116 14650

Well Name & No. Sharp 1-3 Test No. 1 Date 8-9-10
 Company Muffin Drilling Co Elevation 2874 KB 2864 GL
 Address 250 N. Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Ken LeBlanc Rig Martin 14
 Location: Sec. 3 Twp. 18 Rge. 30 Co. Lme State KS

Interval Tested 4104 4180 Zone Tested Lensing H-I
 Anchor Length 76 Drill Pipe Run 3550 Mud Wt. 9.1
 Top Packer Depth 4099 Drill Collars Run 541 Vis 58
 Bottom Packer Depth 4109 Wt. Pipe Run — WL 6.4
 Total Depth 4180 Chlorides 2000 ppm System LCM 2

Blow Description IF: 1/4 blow built to 1 1/4 in 30 min.
IS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>0cm</u>	<u>2</u>		<u>98</u>	
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

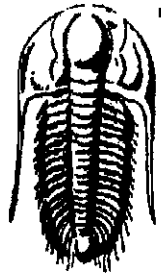
Rec Total 100 BHT 117 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2076</u>	<input checked="" type="checkbox"/> Test <u>1225.00</u>	T-On Location <u>17:00</u>
(B) First Initial Flow <u>61</u>	<input type="checkbox"/> Jars	T-Started <u>18:39</u>
(C) First Final Flow <u>63</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>20:57</u>
(D) Initial Shut-In <u>763</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>22:57</u>
(E) Second Initial Flow <u>81</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>00:50</u>
(F) Second Final Flow <u>85</u>	<input checked="" type="checkbox"/> Mileage <u>48-60.00</u>	Comments
(G) Final Shut-In <u>736</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2012</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>8</u>
	<input type="checkbox"/> Day Standby	Total <u>1360</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1360</u>	

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By Ken LeBlanc Our Representative BT

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.



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TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

3-18-30 Lane, KS

Sharp 1-3

Start Date: 2010.08.10 @ 10:33:53

End Date: 2010.08.10 @ 18:40:37

Job Ticket #: 39117 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co

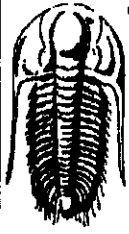
Sharp 1-3

3-18-30 Lane, KS

DST # 2

Lansing K

2010.08.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

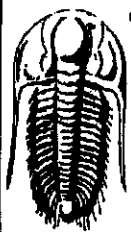
Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39117 **DST#: 2**
Test Start: 2010.08.10 @ 10:33:53

Tool Information

Drill Pipe:	Length: 3644.00 ft	Diameter: 3.80 inches	Volume: 51.12 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 53.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4202.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4180.00	
Shut In Tool	5.00			4185.00	
Hydraulic tool	5.00			4190.00	
Safety Joint	3.00			4193.00	
Packer	5.00			4198.00	23.00 Bottom Of Top Packer
Packer	4.00			4202.00	
Stubb	1.00			4203.00	
Recorder	0.00	8654	Inside	4203.00	
Recorder	0.00	6669	Outside	4203.00	
Perforations	1.00			4204.00	
Change Over Sub	1.00			4205.00	
Drill Pipe	31.00			4236.00	
Change Over Sub	1.00			4237.00	
Bullnose	3.00			4240.00	38.00 Bottom Packers & Anchor
Total Tool Length:	61.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Sharp 1-3

250 N. Water ste 300
Wichita, Ks 67202

3-18-30 Lane, KS

Job Ticket: 39117

DST#: 2

ATTN: Ken Leblanc

Test Start: 2010.08.10 @ 10:33:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
279.00	mcw 95%w 5%m	1.372
279.00	ocmw 2%o 78%w 20%m	1.527
186.00	ocmw 2%o 68%w 30%m	2.609
248.00	go 20%g 80%o	3.479
0.00	279 GIP	0.000

Total Length: 992.00 ft

Total Volume: 8.987 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

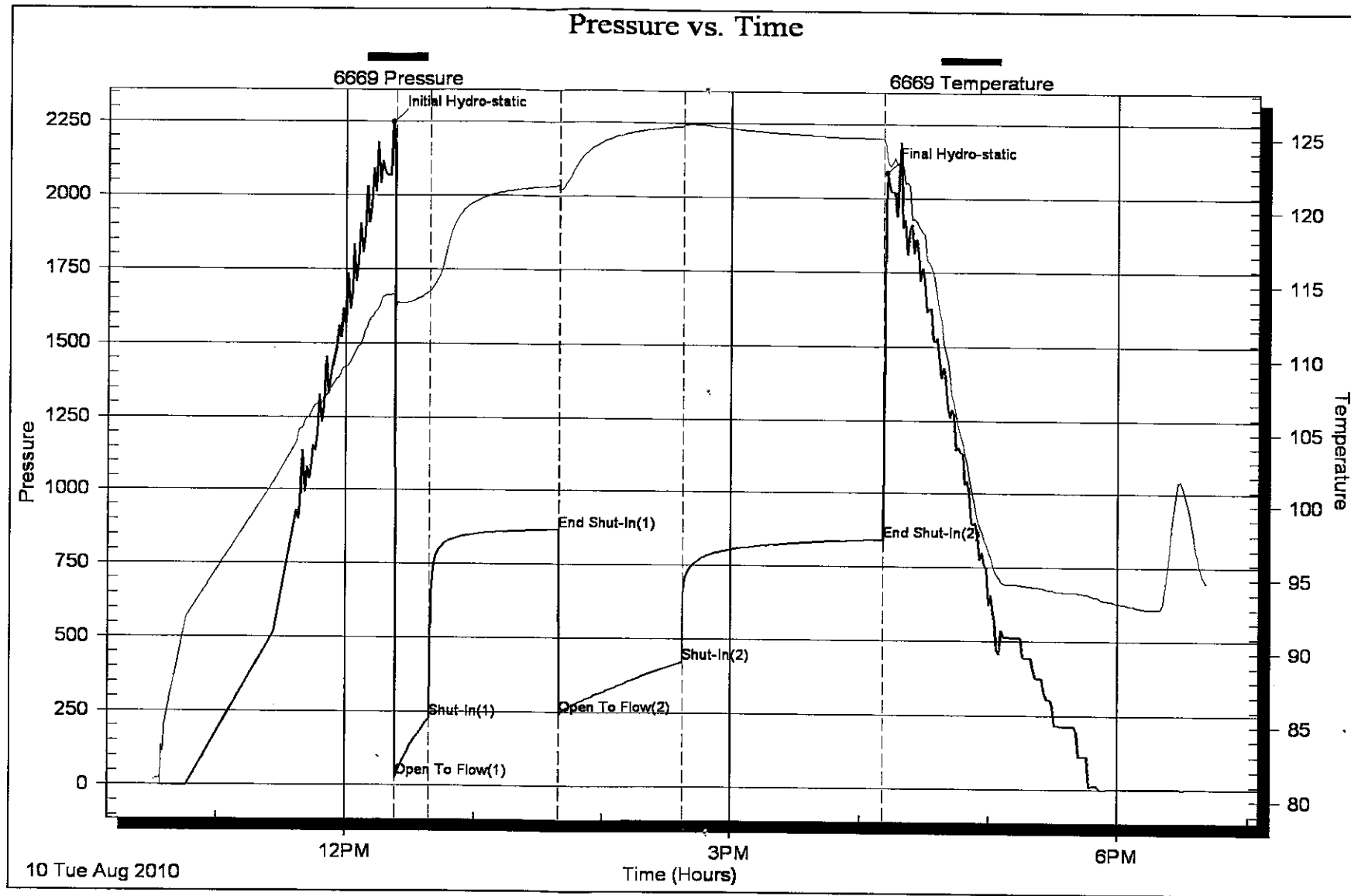
Serial #:

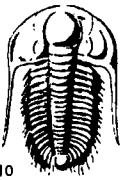
Laboratory Name:

Laboratory Location:

Recovery Comments: 37@100=33

.13@98=38000





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 16 2010

Test Ticket

No. 039117

4/10

BY: _____

Well Name & No. Sharp 1-3 Test No. 2 Date 8-10-10

Company Murfin Drilling Co Elevation 2874 KB 2864 GL

Address 250 N. W. 5th St 300 Wichita, KS 67202

Co. Rep / Geo. Ken Leblanc Rig Murfin 14

Location: Sec. 3 Twp. 18 Rge. 30 Co. Lane State KS

Interval Tested 4202 4240 Zone Tested Lansing K

Anchor Length 38 Drill Pipe Run 3644 Mud Wt. 9.1

Top Packer Depth 4197 Drill Collars Run 541 Vis 58

Bottom Packer Depth 4202 Wt. Pipe Run --- WL 6.4

Total Depth 4240 Chlorides 2000 ppm System LCM 2

Blow Description IF: 1/4 blow BoB in 5 min.

IS: surface blow built to 1 in 60 min.

FF: 1/4 blow BoB in 9 min.

FS: surface blow built to 7 in 90 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>186</u>	<u>OCMW</u>	<u>2</u>	<u>68</u>	<u>30</u>	
<u>279</u>	<u>OCMW</u>	<u>2</u>	<u>78</u>	<u>20</u>	
<u>279</u>	<u>MUW</u>		<u>95</u>	<u>5</u>	
<u>279</u>	<u>6IP</u>				

Rec Total 922 BHT 24 Gravity 33 API RW .13 @ 98 °F Chlorides 38000 ppm

(A) Initial Hydrostatic 2247 Test 1225.00 T-On Location 9:45

(B) First Initial Flow 28 Jars _____ T-Started 10:33

(C) First Final Flow 227 Safety Joint 25.00 T-Open 12:22

(D) Initial Shut-In 866 Circ Sub N/C T-Pulled 16:09

(E) Second Initial Flow 241 Hourly Standby _____ T-Out 18:45

(F) Second Final Flow 421 Mileage 48-60.00 Comments _____

(G) Final Shut-In 840 Sampler _____

(H) Final Hydrostatic 2083 Straddle _____ Ruined Shale Packer _____

Initial Open 15 Shale Packer _____ Ruined Packer _____

Initial Shut-In 60 Extra Packer _____ Extra Copies _____

Final Flow 60 Extra Recorder _____ Sub Total 0

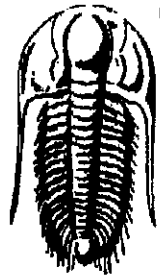
Final Shut-In 90 Day Standby _____ Total 1360-

Accessibility _____ MP/DST Disc't _____

Sub Total 1360-

Approved By Ken Leblanc Our Representative [Signature]

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.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

3-18-30 Lane, KS

Sharp 1-3

Start Date: 2010.08.11 @ 03:33:21

End Date: 2010.08.11 @ 11:39:05

Job Ticket #: 39118 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co

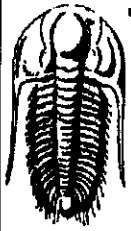
Sharp 1-3

3-18-30 Lane, KS

DST # 3

Lansing L

2010.08.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

Sharp 1-3

3-18-30 Lane, KS

Job Ticket: 39118

DST#: 3

Test Start: 2010.08.11 @ 03:33:21

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:28:20

Time Test Ended: 11:39:05

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4240.00 ft (KB) To 4290.00 ft (KB) (TVD)**

Total Depth: **4290.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **2874.00 ft (KB)**

2864.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8673

Outside

Press@RunDepth: **366.40 psig @ 4241.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.08.11**

End Date:

2010.08.11

Last Calib.:

2010.08.11

Start Time: **03:33:21**

End Time:

11:39:05

Time On Btm:

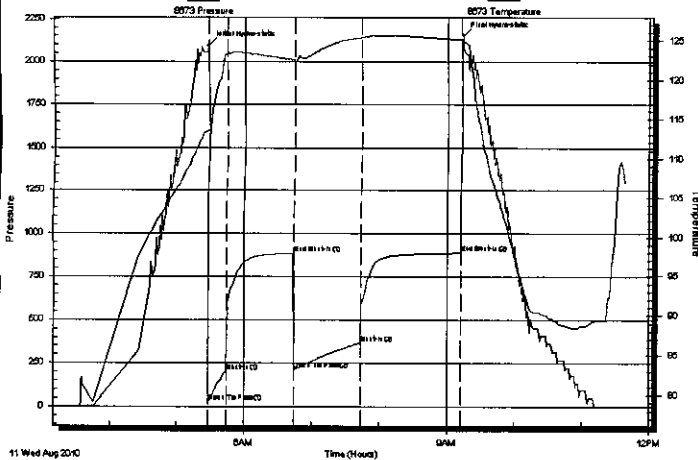
2010.08.11 @ 05:27:50

Time Off Btm:

2010.08.11 @ 09:13:35

TEST COMMENT: IF: BOB in 4 min
IS: Surface blow built to 4 in
FF: BOB in 9 min
FS: Surface blow built to 1/2 in

Pressure vs. Time



PRESSURE SUMMARY

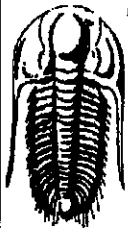
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2095.82	113.58	Initial Hydro-static
1	30.43	112.26	Open To Flow (1)
17	205.00	123.35	Shut-In(1)
77	885.83	122.58	End Shut-In(1)
77	213.22	122.26	Open To Flow (2)
136	366.40	125.34	Shut-In(2)
225	887.57	125.08	End Shut-In(2)
226	2153.38	125.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb1)
93.00	ocm 50%o 50%m	0.46
372.00	mcgo 30%g 65%o 5%m	1.83
527.00	go 30%g 70%o	6.70
0.00	465 GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39118 **DST#: 3**
Test Start: 2010.08.11 @ 03:33:21

Tool Information

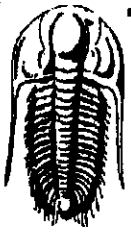
Drill Pipe:	Length: 3706.00 ft	Diameter: 3.80 inches	Volume: 51.99 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 54.65 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4240.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4218.00	
Shut In Tool	5.00			4223.00	
Hydraulic tool	5.00			4228.00	
Safety Joint	3.00			4231.00	
Packer	5.00			4236.00	23.00 Bottom Of Top Packer
Packer	4.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.00	8654	Inside	4241.00	
Recorder	0.00	8673	Outside	4241.00	
Perforations	12.00			4253.00	
Change Over Sub	1.00			4254.00	
Drill Pipe	32.00			4286.00	
Change Over Sub	1.00			4287.00	
Bullnose	3.00			4290.00	50.00 Bottom Packers & Anchor

Total Tool Length: 73.00



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TESTING, INC**

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Sharp 1-3

250 N. Water ste 300
Wichita, Ks 67202

3-18-30 Lane, KS

Job Ticket: 39118

DST#: 3

ATTN: Ken Leblanc

Test Start: 2010.08.11 @ 03:33:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
93.00	ocm 50%o 50%m	0.457
372.00	mcgo 30%g 65%o 5%m	1.829
527.00	go 30%g 70%o	6.700
0.00	465 GIP	0.000

Total Length: 992.00 ft

Total Volume: 8.986 bbl

Num Fluid Samples: 0

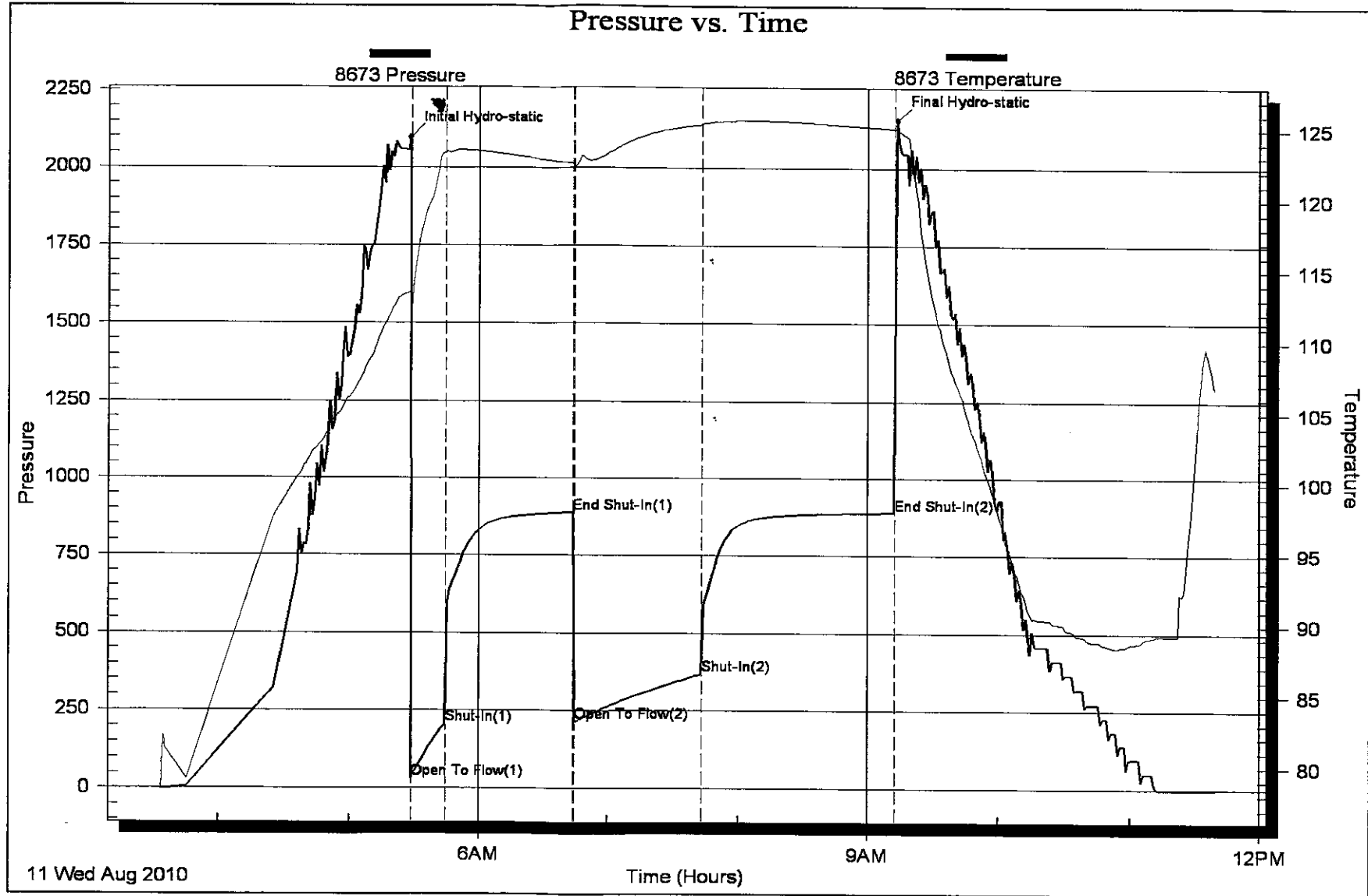
Num Gas Bombs: 0

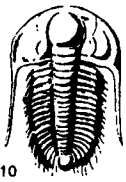
Serial #: *

Laboratory Name:

Laboratory Location:

Recovery Comments: 41@110=35





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 16 2010

Test Ticket

NO. 039118

Well Name & No. Sharp 1-3 Test No. 3 Date 8-11-10
 Company Murfin Drilling Co Elevation 2874 KB 2864 GL
 Address 250 N. Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Ken Leblanc Rig Murfin 14
 Location: Sec. 3 Twp. 18 Rge. 30 Co. Linne State KS

Interval Tested 4240 4290 Zone Tested Lansing - L
 Anchor Length 50 Drill Pipe Run 3706 Mud Wt. 9.2
 Top Packer Depth 4235 Drill Collars Run 541 Vis 53
 Bottom Packer Depth 4240 Wt. Pipe Run — WL 6.4
 Total Depth 4290 Chlorides 2500 ppm System LCM 1

Blow Description ±F: 1/4 blow BoB in 4 min,
IS: surface blow built to 4 in 60 min,
FF: BoB in 9 min,
FS: surface blow built to 1/2 in 90 min,

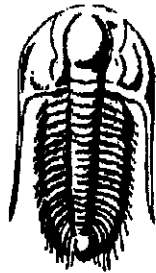
Rec	Feet of	%gas	%oil	%water	%mud
<u>527</u>	<u>90</u>	<u>30</u>	<u>70</u>		
<u>372</u>	<u>MC90</u>	<u>30</u>	<u>65</u>	<u>5</u>	
<u>83</u>	<u>OCM</u>		<u>50</u>	<u>50</u>	
	<u>465 GIP</u>				

Rec Total 992 BHT 125 Gravity 35 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2095 Test 1225.00 T-On Location 3:00
 (B) First Initial Flow 30 Jars — T-Started 3:33
 (C) First Final Flow 205 Safety Joint 75.00 T-Open 5:28
 (D) Initial Shut-In 885 Circ Sub N/V T-Pulled 9:13
 (E) Second Initial Flow 213 Hourly Standby — T-Out 11:45
 (F) Second Final Flow 366 Mileage 48-60.00 Comments —
 (G) Final Shut-In 887 Sampler —
 (H) Final Hydrostatic 2153 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 8
 Day Standby — Total 1360
 Accessibility — MP/DST Disc't —
 Sub Total 1360

Initial Open 15
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 Approved By Ken Leblanc Our Representative [Signature]

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

3-18-30 Lane, KS

Sharp 1-3

Start Date: 2010.08.11 @ 18:31:47

End Date: 2010.08.12 @ 02:22:46

Job Ticket #: 39119 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co

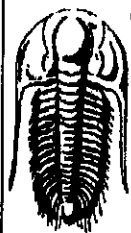
Sharp 1-3

3-18-30 Lane, KS

DST # 4

Pleasanton

2010.08.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

Sharp 1-3

250 N. Water ste 300
Wichita, Ks 67202

3-18-30 Lane, KS

Job Ticket: 39119

DST#:4

ATTN: Ken Leblanc

Test Start: 2010.08.11 @ 18:31:47

Tool Information

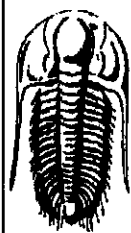
Drill Pipe:	Length: 3740.00 ft	Diameter: 3.80 inches	Volume: 52.46 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4288.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4266.00	
Shut In Tool	5.00			4271.00	
Hydraulic tool	5.00			4276.00	
*Safety Joint	3.00			4279.00	
Packer	5.00			4284.00	23.00 Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	8654	Inside	4289.00	
Recorder	0.00	6669	Outside	4289.00	
Perforations	16.00			4305.00	
Bullnose	5.00			4310.00	22.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Sharp 1-3

250 N. Water ste 300
Wichita, Ks 67202

3-18-30 Lane, KS

Job Ticket: 39119

DST#: 4

ATTN: Ken Leblanc

Test Start: 2010.08.11 @ 18:31:47

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	gocm 20%g 20%o 60%m	0.457
93.00	mcgo 10%g 50%o 40%m	0.457
143.00	go 30%g 70%o	0.703
0.00	279 GIP	0.000

Total Length: 329.00 ft Total Volume: 1.617 bbl

Num Fluid Samples: 0

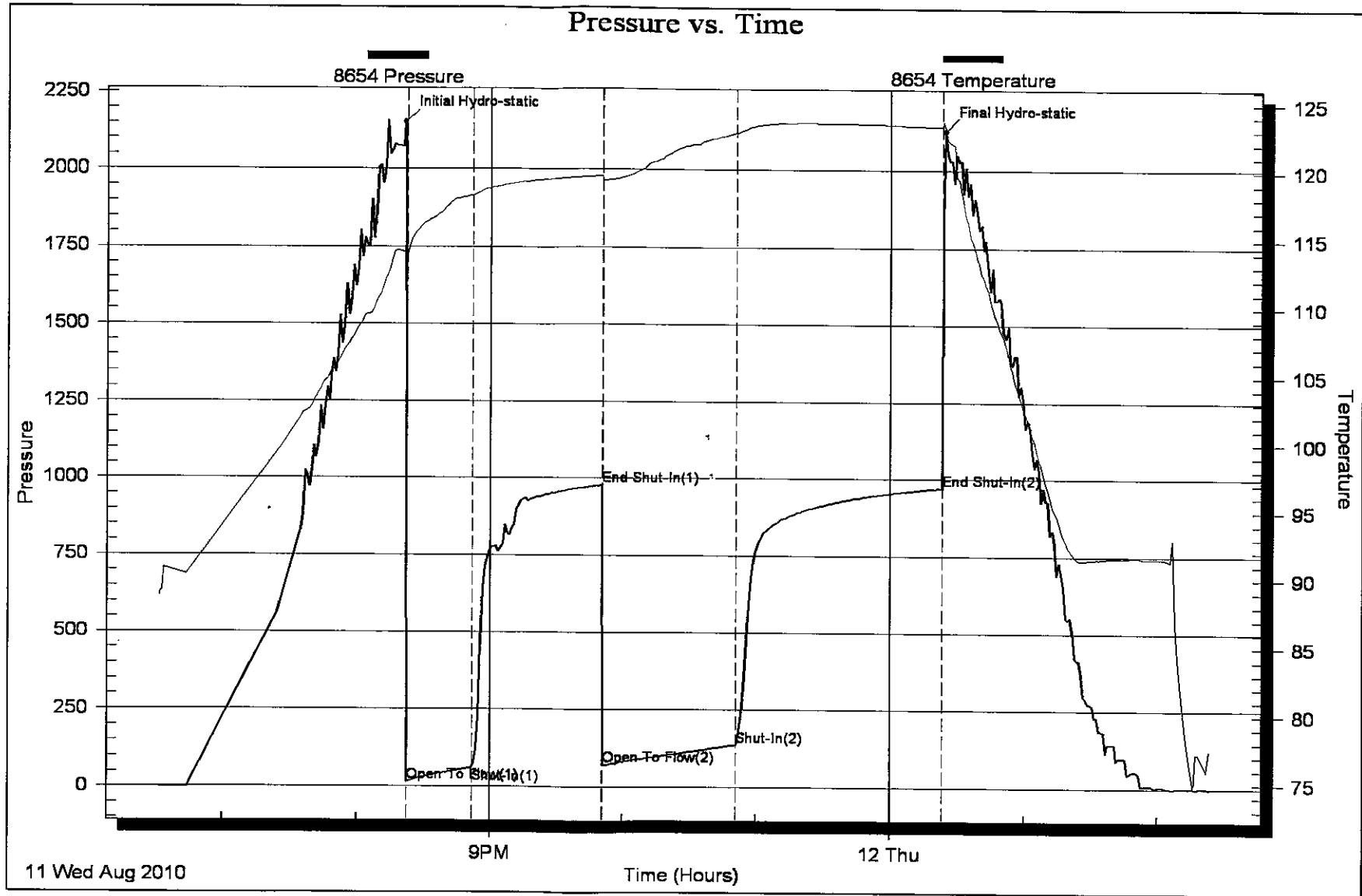
Num Gas Bombs: 0

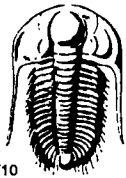
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 31@70=30





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039114

EX-101-10
AUG 16 2010

Well Name & No. Sharp 1-3 BY: _____ Test No. 4 Date 8-11-10
 Company Murfin Drilling Co Elevation 2874 KB 2864 GL _____
 Address 250 N. Water St 300 Wichita, KS 67202
 Co. Rep / Geo. Ken Leblanc Rig Murfin 14
 Location: Sec. 3 Twp. 18 Rge. 30 Co. Linne State KS

Interval Tested 4288 4310 Zone Tested Pleasanton
 Anchor Length _____ Drill Pipe Run 3740 Mud Wt. 9.1
 Top Packer Depth 4283 Drill Collars Run 541 Vis 52
 Bottom Packer Depth 4288 Wt. Pipe Run _____ WL 6.0
 Total Depth 4310 Chlorides 2400 ppm System LCM 2

Blow Description IF: 1/4 blow built to 6 in 30 min.
IS: No return.
FF: surface blow BoB in 55 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>143</u>	<u>90</u>	<u>30</u>	<u>70</u>		
<u>93</u>	<u>ML90</u>	<u>10</u>	<u>50</u>		<u>40</u>
<u>93</u>	<u>90CM</u>	<u>20</u>	<u>20</u>		<u>60</u>
Rec _____	Feet of <u>279 GIP</u>	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

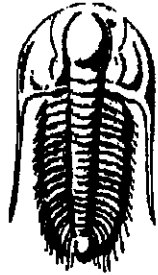
Rec Total 329 BHT 123 Gravity 30 API RW - @ - °F Chlorides _____ ppm

(A) Initial Hydrostatic 2151 Test 1225.00 T-On Location 17:50
 (B) First Initial Flow 14 Jars _____ T-Started 18:31
 (C) First Final Flow 61 Safety Joint 75.00 T-Open 20:22
 (D) Initial Shut-In 976 Circ Sub N/C T-Pulled 00:22
 (E) Second Initial Flow 71 Hourly Standby _____ T-Out 2:30
 (F) Second Final Flow 135 Mileage 48-60.00 Comments _____
 (G) Final Shut-In 970 Sampler _____
 (H) Final Hydrostatic 2127 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1360
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90
 Sub Total 1360

Approved By Ken Leblanc Our Representative _____

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.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

3-18-30 Lane, KS

Sharp 1-3

Start Date: 2010.08.12 @ 17:55:07

End Date: 2010.08.13 @ 00:15:21

Job Ticket #: 39120 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co

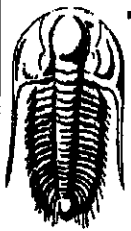
Sharp 1-3

3-18-30 Lane, KS

DST # 5

Pawnee- Ft. Scott

2010.08.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

Sharp 1-3

3-18-30 Lane, KS

Job Ticket: 39120

DST#: 5

Test Start: 2010.08.12 @ 17:55:07

GENERAL INFORMATION:

Formation: **Pawnee- Ft. Scott**

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

Time Tool Opened: 20:05:51

Time Test Ended: 00:15:21

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **28**

Interval: **4385.00 ft (KB) To 4440.00 ft (KB) (TVD)**

Total Depth: **4440.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2874.00 ft (KB)**

2864.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8673

Outside

Press@RunDepth: **21.92 psig @ 4386.00 ft (KB)**

Start Date: **2010.08.12**

End Date: **2010.08.13**

Start Time: **17:55:07**

End Time: **00:15:21**

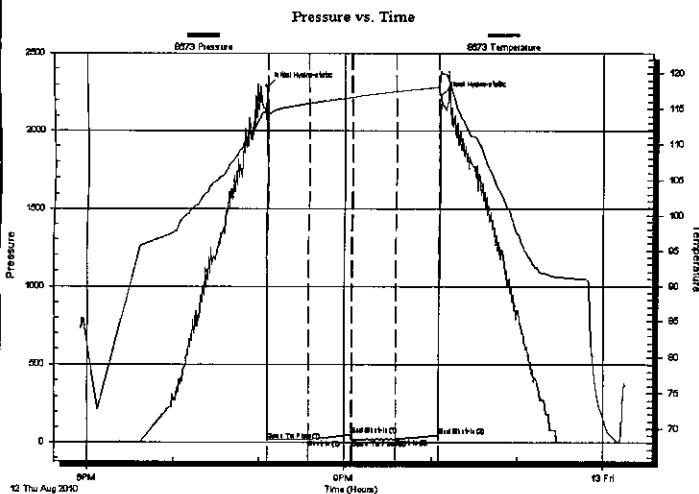
Capacity: **8000.00 psig**

Last Calib.: **2010.08.13**

Time On Btm: **2010.08.12 @ 20:05:06**

Time Off Btm: **2010.08.12 @ 22:06:06**

TEST COMMENT: IF: Surface blow died in 5 min.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

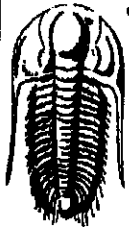
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2287.23	114.77	Initial Hydro-static
1	13.88	113.39	Open To Flow (1)
30	20.69	115.75	Shut-In(1)
60	50.85	116.62	End Shut-In(1)
60	20.09	116.61	Open To Flow (2)
90	21.92	117.44	Shut-In(2)
120	45.74	118.09	End Shut-In(2)
121	2231.26	120.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 5%o 95%m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39120 **DST#: 5**
Test Start: 2010.08.12 @ 17:55:07

Tool Information

Drill Pipe:	Length: 3837.00 ft	Diameter: 3.80 inches	Volume: 53.82 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 56.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4385.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Safety Joint	3.00			4376.00	
Packer	5.00			4381.00	23.00 Bottom Of Top Packer
Packer	4.00			4385.00	
Stubb	1.00			4386.00	
Recorder	0.00	8654	Inside	4386.00	
Recorder	0.00	8673	Outside	4386.00	
Perforations	15.00			4401.00	
Change Over Sub	1.00			4402.00	
Drill Pipe	32.00			4434.00	
Change Over Sub	1.00			4435.00	
Bullnose	5.00			4440.00	55.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39120 **DST#: 5**
Test Start: 2010.08.12 @ 17:55:07

Mud and Cushion Information

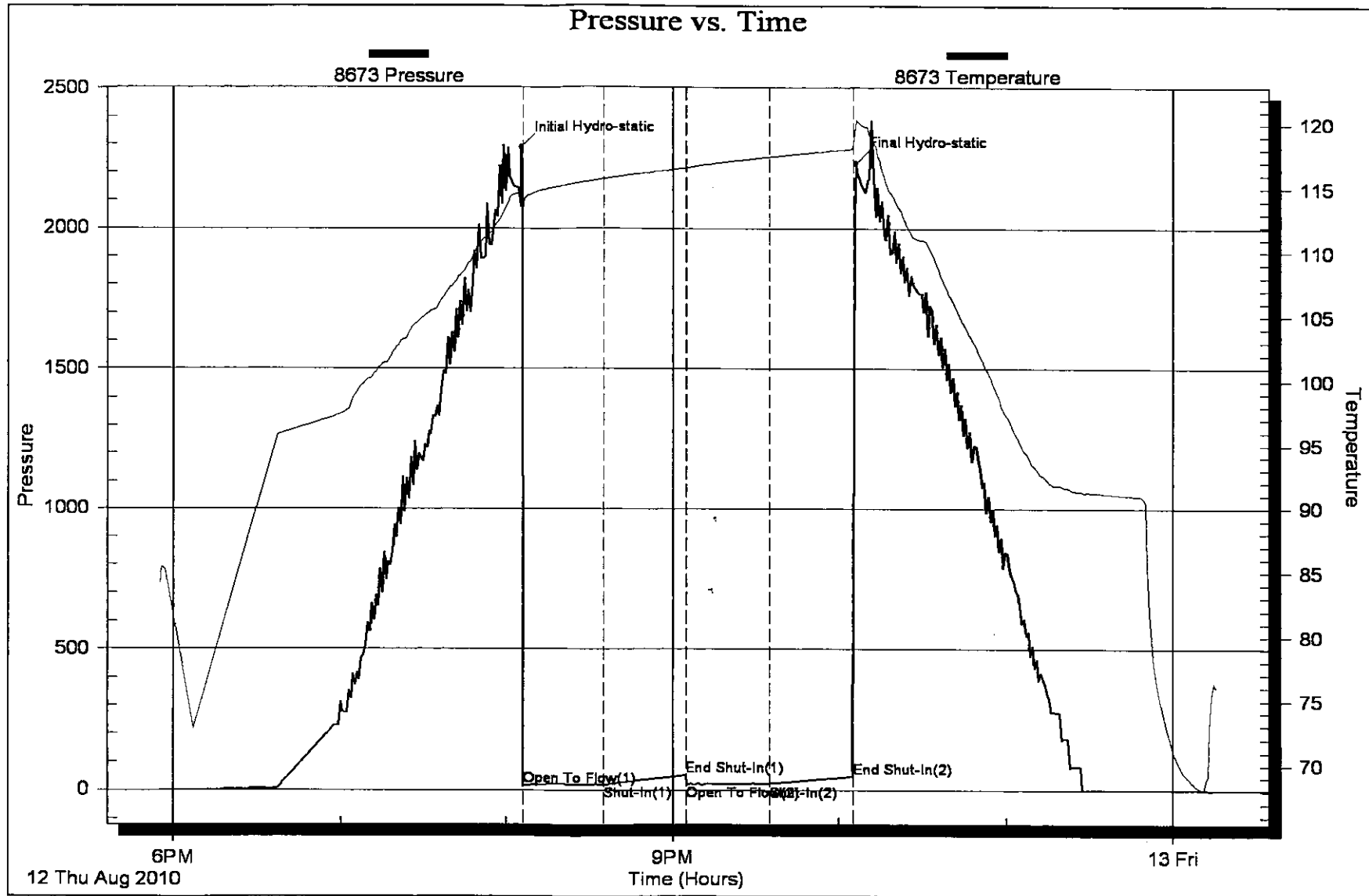
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 2.00 inches			

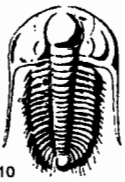
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 5%o 95%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039120

RECEIVED
AUG 16 2010

Well Name & No. Sharp 1-3 BY: _____ Test No. 5 Date 8-12-10
 Company Murfin Drilling Co Elevation 2874 KB 2864 GL _____
 Address 250 N. Water st 300 Wichita, KS 67202
 Co. Rep / Geo. Ken Lablone Rig Murfin 14
 Location: Sec. 3 Twp. 18 Rge. 30 Co. LANE State KS

Interval Tested 4385 4440 Zone Tested Pawnee - Ft. Scott
 Anchor Length 55 Drill Pipe Run 3837 Mud Wt. 9.2
 Top Packer Depth 4380 Drill Collars Run 541 Vis 62
 Bottom Packer Depth 4385 Wt. Pipe Run _____ WL 6.0
 Total Depth 4440 Chlorides 2400 ppm System LCM 5

Blow Description IF! surface blow died in 5 min.
IS! No return,
FF! No blow,
FS! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>2cm</u>	<u>5</u>		<u>95</u>	
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

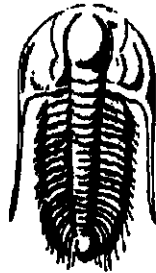
Rec Total 10 BHT 118 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2287 Test 1225.00 T-On Location 16:45
 (B) First Initial Flow 13 Jars _____ T-Started 17:55
 (C) First Final Flow 20 Safety Joint 75.00 T-Open 20:06
 (D) Initial Shut-In 50 Circ Sub N/C T-Pulled 22:06
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 00:30
 (F) Second Final Flow 21 Mileage 48-60.00 Comments _____
 (G) Final Shut-In 45 Sampler _____
 (H) Final Hydrostatic 2231 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1300-
 Sub Total 1300- MP/DST Disc't _____

Approved By Ken Lablone Our Representative [Signature]

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water ste 300
Wichita, Ks 67202

ATTN: Ken Leblanc

3-18-30 Lane, KS

Sharp 1-3

Start Date: 2010.08.13 @ 12:45:00

End Date: 2010.08.13 @ 20:09:42

Job Ticket #: 39593 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co

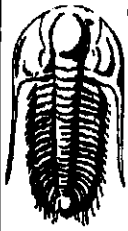
Sharp 1-3

3-18-30 Lane, KS

DST # 6

Cherokee/Johnson

2010.08.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

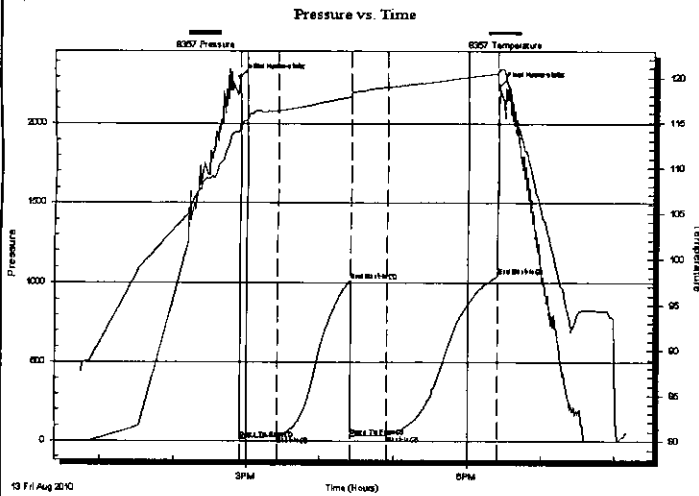
Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39593 DST#: 6
Test Start: 2010.08.13 @ 12:45:00

GENERAL INFORMATION:

Formation: **Cherokee/Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:54:48
Time Test Ended: 20:09:42
Interval: **4442.00 ft (KB) To 4530.00 ft (KB) (TVD)**
Total Depth: 4530.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37
Reference Elevations: 2874.00 ft (KB)
2864.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8357 Inside
Press@RunDepth: 40.30 psig @ 4446.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.08.13 End Date: 2010.08.13 Last Calib.: 2010.08.13
Start Time: 12:45:05 End Time: 20:09:42 Time On Btm: 2010.08.13 @ 14:53:24
Time Off Btm: 2010.08.13 @ 18:25:24

TEST COMMENT: IF: 1" Blow.
IS: No return.
FF: No blow.
FSI: No return.



PRESSURE SUMMARY

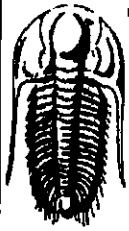
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.41	114.33	Initial Hydro-static
2	14.64	113.72	Open To Flow (1)
32	29.74	116.29	Shut-In(1)
92	1016.00	117.86	End Shut-In(1)
92	31.77	118.19	Open To Flow (2)
122	40.30	118.93	Shut-In(2)
211	1046.42	120.44	End Shut-In(2)
212	2246.12	120.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OCM 5%O 95%M	0.22

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co
250 N. Water ste 300
Wichita, Ks 67202
ATTN: Ken Leblanc

Sharp 1-3
3-18-30 Lane, KS
Job Ticket: 39593 **DST#: 6**
Test Start: 2010.08.13 @ 12:45:00

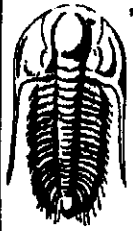
Tool Information

Drill Pipe:	Length: 3901.00 ft	Diameter: 3.80 inches	Volume: 54.72 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 541.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 57.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4442.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	110.50 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			4420.50	
Shut In Tool	5.00			4425.50	
Hydraulic tool	5.00			4430.50	
Safety Joint	2.50			4433.00	
Packer	5.00			4438.00	22.50 Bottom Of Top Packer
Packer	4.00			4442.00	
Stubb	1.00			4443.00	
Perforations	3.00			4446.00	
Recorder	0.00	8357	Inside	4446.00	
Recorder	0.00	6751	Outside	4446.00	
Perforations	16.00			4462.00	
Change Over Sub	1.00			4463.00	
Drill Pipe	63.00			4526.00	
Change Over Sub	1.00			4527.00	
Bullnose	3.00			4530.00	88.00 Bottom Packers & Anchor

Total Tool Length: 110.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Sharp 1-3

250 N. Water ste 300
Wichita, Ks 67202

3-18-30 Lane, KS

Job Ticket: 39593

DST#: 6

ATTN: Ken Leblanc

Test Start: 2010.08.13 @ 12:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
45.00	OCM 5%O 95%M	0.221

Total Length: 45.00 ft

Total Volume: 0.221 bbf

Num Fluid Samples: 0

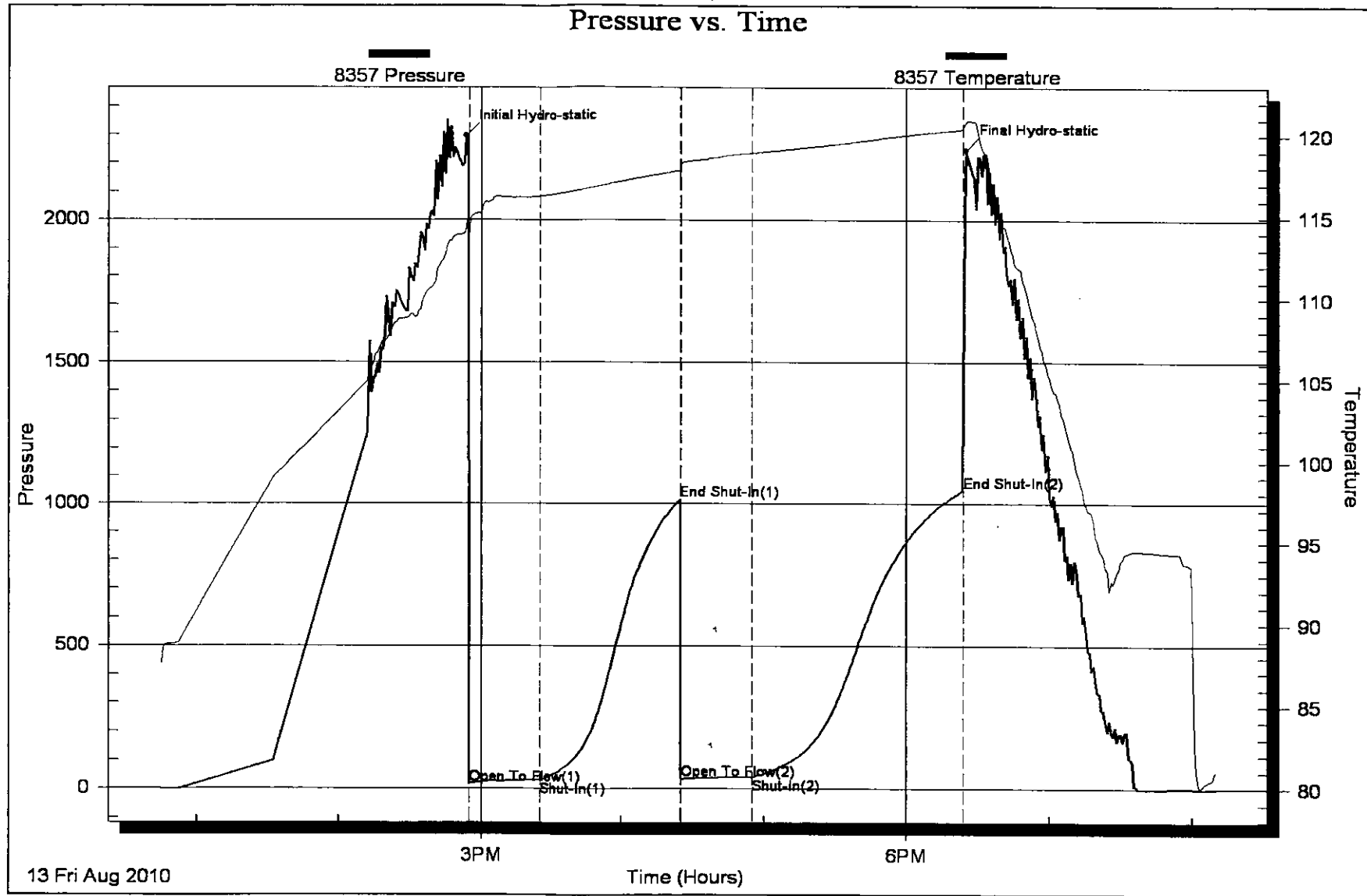
Num Gas Bombs: 0

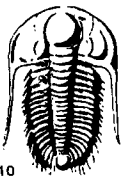
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 19 2010

Test Ticket

NO. 039593

Well Name & No. Sharp #1-3 Test No. 6 Date 8-13-10
 Company Murfin Drilling Elevation 2874 KB 2864 GL
 Address 250 N. Water St. 300 Wichita, KS 67202
 Co. Rep / Geo. Ken Leblanc Rig MDC#14
 Location: Sec. 3 Twp. 18 Rge. 30 Co. Lane State Ks

Interval Tested 4442-4530 Zone Tested Cherokee - Johnson
 Anchor Length 88 Drill Pipe Run 3901 Mud Wt. 9.3
 Top Packer Depth 4438 Drill Collars Run 541 Vis 64
 Bottom Packer Depth 4442 Wt. Pipe Run 0 WL 6.0
 Total Depth 4530 Chlorides 2,400 ppm System LCM 4

Blow Description IF: 1" Blow.
ISI: No return.
FF: No blow.
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>45</u>	Feet of <u>OCM</u>	%gas	<u>5</u> %oil	%water	<u>95</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 120 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2295</u>	<input type="checkbox"/> Test <u>1,225</u>	T-On Location <u>11:50</u>
(B) First Initial Flow <u>15</u>	<input type="checkbox"/> Jars	T-Started <u>12:45</u>
(C) First Final Flow <u>30</u>	<input type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>14:55</u>
(D) Initial Shut-In <u>1,016</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>18:24</u>
(E) Second Initial Flow <u>32</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:10</u>
(F) Second Final Flow <u>40</u>	<input type="checkbox"/> Mileage <u>48RT 60</u>	Comments
(G) Final Shut-In <u>1,046</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2246</u>	<input type="checkbox"/> Straddle	

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 90

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1360
 MP/DST Disc't

Sub Total 1360

Approved By Ken Leblanc Our Representative Chuck Smith

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