



DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc.**

8100 E. 22nd ST N 700th
Wichita KS 67278

ATTN: Terry McLeod

Hood Land #1

25-28s-23w Ford,KS

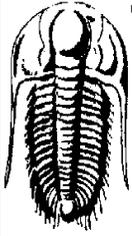
Start Date: 2011.10.29 @ 02:43:15

End Date: 2011.10.29 @ 10:02:15

Job Ticket #: 43222 DST #: 1

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

Printed: 2011.11.03 @ 08:25:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration Inc.
8100 E. 22nd ST N 700th
Wichita KS 67278
ATTN: Terry McLeod

25-28s-23w Ford,KS
Hood Land #1
Job Ticket: 43222 **DST#: 1**
Test Start: 2011.10.29 @ 02:43:15

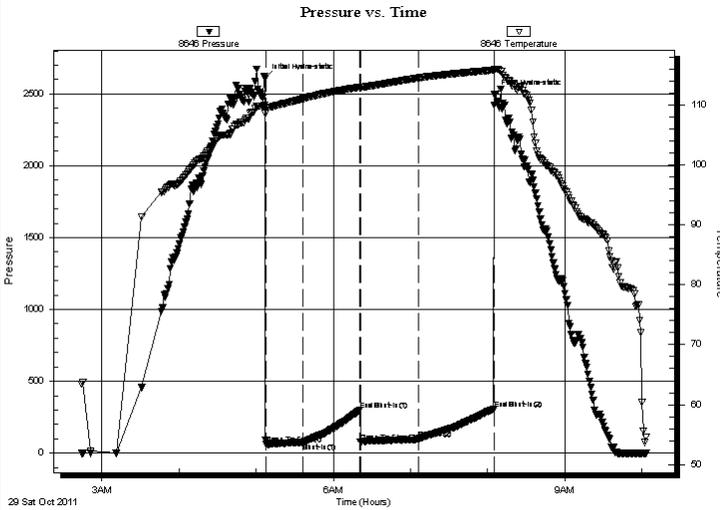
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:06:30
Time Test Ended: 10:02:15
Interval: **5164.00 ft (KB) To 5244.00 ft (KB) (TVD)**
Total Depth: 5244.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 48
Reference Elevations: 2520.00 ft (KB)
2510.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8646 Outside
Press @ Run Depth: 99.95 psig @ 5239.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.10.29 End Date: 2011.10.29 Last Calib.: 2011.10.29
Start Time: 02:44:15 End Time: 10:03:15 Time On Btm: 2011.10.29 @ 05:07:00
Time Off Btm: 2011.10.29 @ 08:05:30

TEST COMMENT: IF: Built to 9" blow
IS: No return blow
FF: BOB in 31 min.
FS: No return blow

PRESSURE SUMMARY



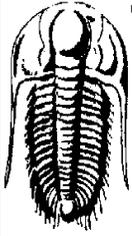
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2606.51	110.02	Initial Hydro-static
1	61.91	109.37	Open To Flow (1)
30	73.61	111.02	Shut-In(1)
74	300.00	112.97	End Shut-In(1)
74	80.26	112.90	Open To Flow (2)
119	99.95	114.49	Shut-In(2)
178	307.56	115.81	End Shut-In(2)
179	2495.02	115.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud w / oil spots	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 43222

DST#: 1

ATTN: Terry McLeod

Test Start: 2011.10.29 @ 02:43:15

Tool Information

Drill Pipe:	Length: 4958.00 ft	Diameter: 3.80 inches	Volume: 69.55 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: 20000.00 lb
Drill Collar:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 70.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5164.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	103.00 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			5142.00	
Shut In Tool	5.00			5147.00	
Hydraulic tool	5.00			5152.00	
Safety Joint	3.00			5155.00	
Packer	5.00			5160.00	23.00 Bottom Of Top Packer
Packer	4.00			5164.00	
Stubb	1.00			5165.00	
Perforations	4.00			5169.00	
Change Over Sub	1.00			5170.00	
Drill Pipe	63.00			5233.00	
Change Over Sub	1.00			5234.00	
Perforations	5.00			5239.00	
Recorder	0.00	8358	Outside	5239.00	
Recorder	0.00	8646	Outside	5239.00	
Bullnose	5.00			5244.00	80.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 43222

DST#: 1

ATTN: Terry McLeod

Test Start: 2011.10.29 @ 02:43:15

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud w/ oil spots	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

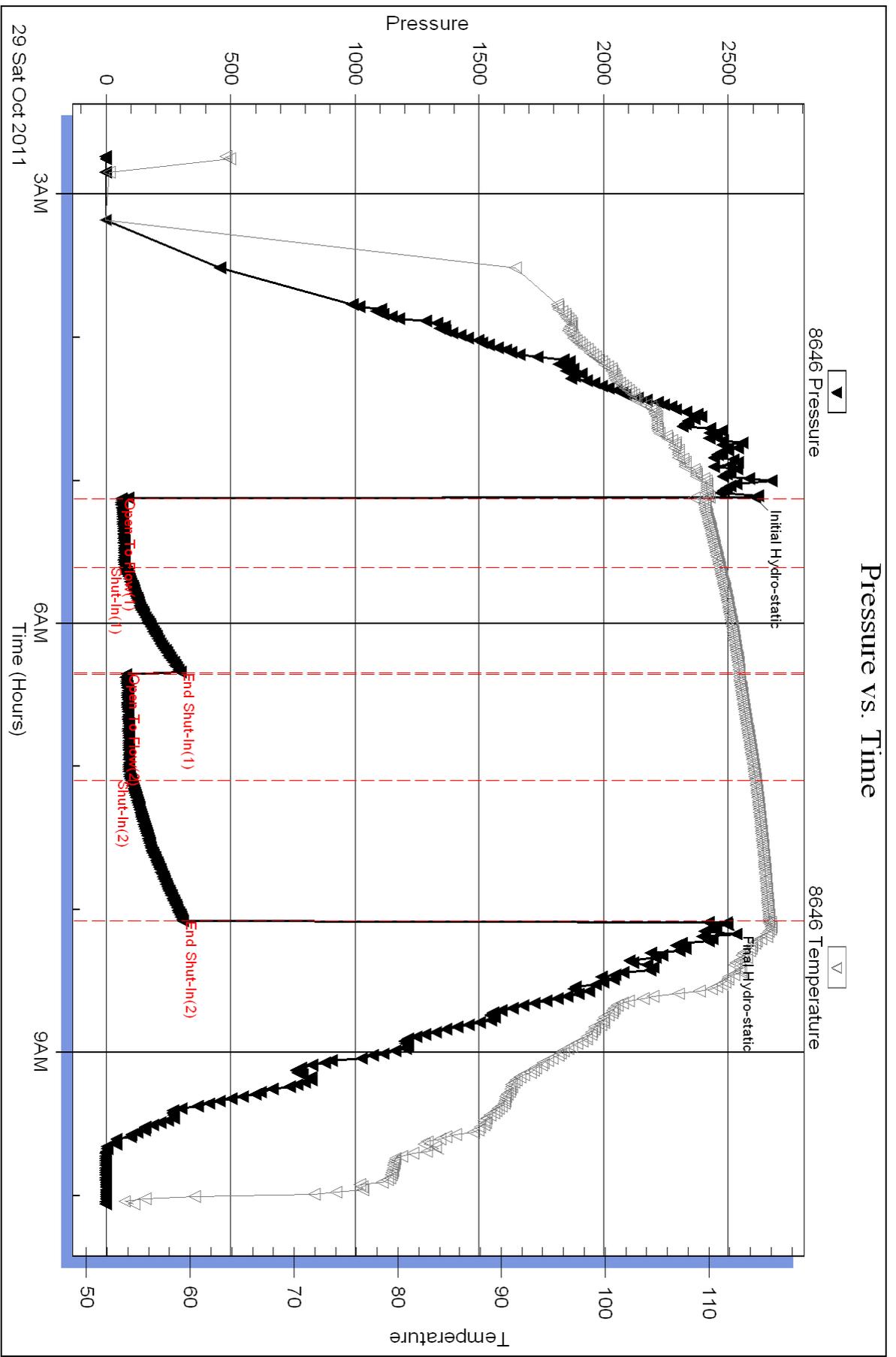
Recovery Comments:

Serial #: 8646

Outside Ritchie Exploration Inc.

Hood Land #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 43222

Printed: 2011.11.03 @ 08:25:27



DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc.**

8100 E. 22nd ST N 700th
Wichita KS 67278

ATTN: Terry McLeod

Hood Land #1

25-28s-23w Ford,KS

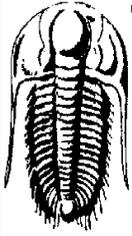
Start Date: 2011.10.29 @ 16:42:15

End Date: 2011.10.29 @ 21:41:00

Job Ticket #: 43223 DST #: 2

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

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration Inc.
 8100 E. 22nd ST N 700th
 Wichita KS 67278
 ATTN: Terry McLeod

25-28s-23w Ford, KS
Hood Land #1
 Job Ticket: 43223 **DST#: 2**
 Test Start: 2011.10.29 @ 16:42:15

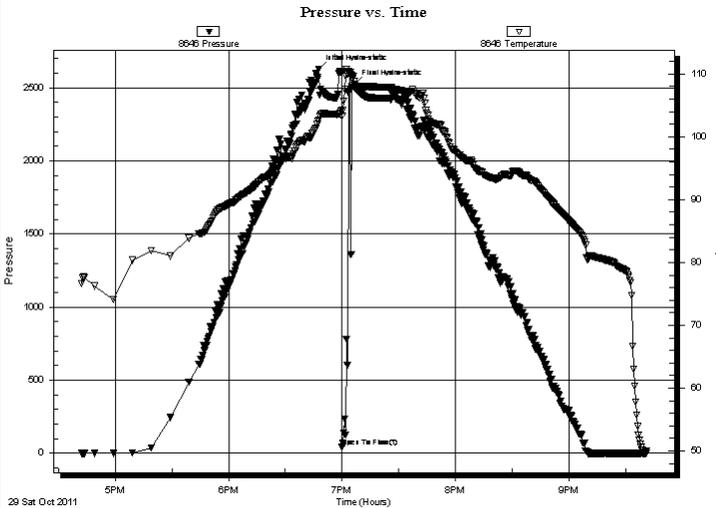
GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:00:00
 Time Test Ended: 21:41:00
 Interval: **5245.00 ft (KB) To 5264.00 ft (KB) (TVD)**
 Total Depth: 5264.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mke Roberts
 Unit No: 48
 Reference Elevations: 2520.00 ft (KB)
 2510.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8646 Outside
 Press @ Run Depth: psig @ 5259.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.29 End Date: 2011.10.29 Last Calib.: 2011.10.29
 Start Time: 16:42:15 End Time: 21:41:00 Time On Btm: 2011.10.29 @ 18:47:45
 Time Off Btm: 2011.10.29 @ 19:06:30

TEST COMMENT: IF:Packer Failure
 IS:
 FF:
 FS:

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2627.54	102.72	Initial Hydro-static
13	44.31	103.26	Open To Flow (1)
19	2525.36	108.26	Final Hydro-static

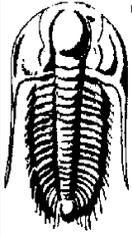
Recovery

Length (ft)	Description	Volume (bbl)
579.00	mud	6.18

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 43223

DST#: 2

ATTN: Terry McLeod

Test Start: 2011.10.29 @ 16:42:15

Tool Information

Drill Pipe:	Length: 5025.00 ft	Diameter: 3.80 inches	Volume: 70.49 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: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 71.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5245.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	103.00 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			5223.00	
Shut In Tool	5.00			5228.00	
Hydraulic tool	5.00			5233.00	
Safety Joint	3.00			5236.00	
Packer	5.00			5241.00	23.00 Bottom Of Top Packer
Packer	4.00			5245.00	
Stubb	1.00			5246.00	
Perforations	4.00			5250.00	
Change Over Sub	1.00			5251.00	
Drill Pipe	63.00			5314.00	
Change Over Sub	1.00			5315.00	
Perforations	5.00			5320.00	
Recorder	0.00	8358	Outside	5320.00	
Recorder	0.00	6668	Outside	5320.00	
Bullnose	5.00			5325.00	80.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 43223

DST#: 2

ATTN: Terry McLeod

Test Start: 2011.10.29 @ 16:42:15

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
579.00	mud	6.182

Total Length: 579.00 ft

Total Volume: 6.182 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

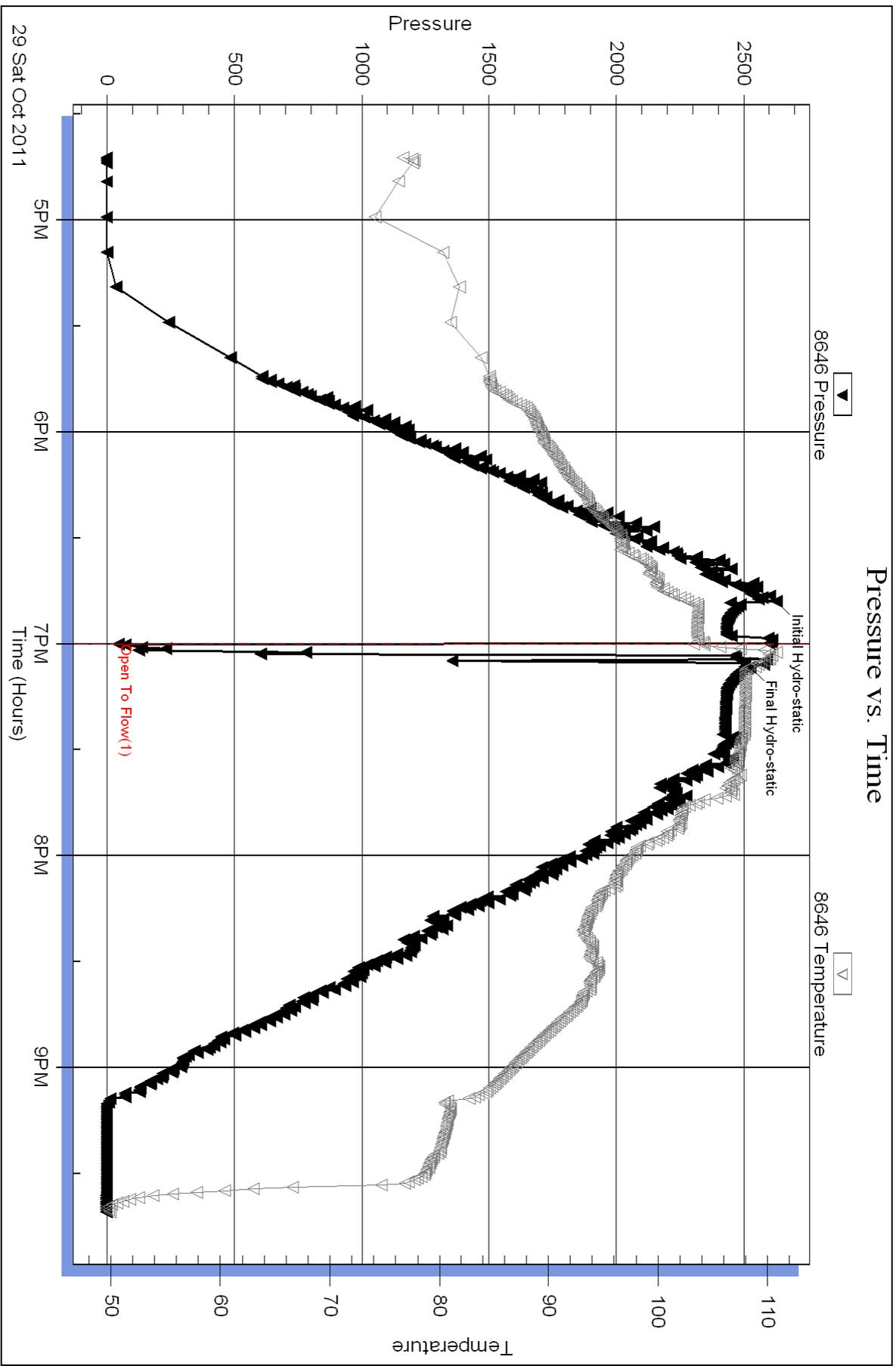
Recovery Comments:

Serial #: 8646

Outside Ritchie Exploration Inc.

Hood Land #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc.**

8100 E. 22nd ST N 700th
Wichita KS 67278

ATTN: Terry McLeod

Hood Land #1

25-28s-23w Ford,KS

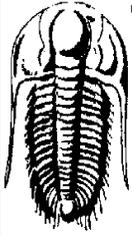
Start Date: 2011.10.30 @ 12:00:05

End Date: 2011.10.30 @ 16:25:49

Job Ticket #: 34224 DST #: 3

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 34224

DST#: 3

ATTN: Terry McLeod

Test Start: 2011.10.30 @ 12:00:05

Tool Information

Drill Pipe:	Length: 5000.00 ft	Diameter: 3.80 inches	Volume: 70.14 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: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 71.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5216.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

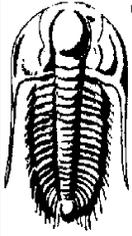
Tool Comments:

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			5194.00	
Shut In Tool	5.00			5199.00	
Hydraulic tool	5.00			5204.00	
Safety Joint	3.00			5207.00	
Packer	5.00			5212.00	23.00 Bottom Of Top Packer
Packer	4.00			5216.00	
Stubb	1.00			5217.00	
Perforations	20.00			5237.00	
Change Over Sub	1.00			5238.00	
Drill Pipe	32.00			5270.00	
Change Over Sub	1.00			5271.00	
Perforations	10.00			5281.00	
Recorder	0.00	8358	Outside	5281.00	
Recorder	0.00	6668	Outside	5281.00	
Bullnose	5.00			5286.00	70.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 34224

DST#: 3

ATTN: Terry McLeod

Test Start: 2011.10.30 @ 12:00:05

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
455.00	mud 100% mud	4.497

Total Length: 455.00 ft

Total Volume: 4.497 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

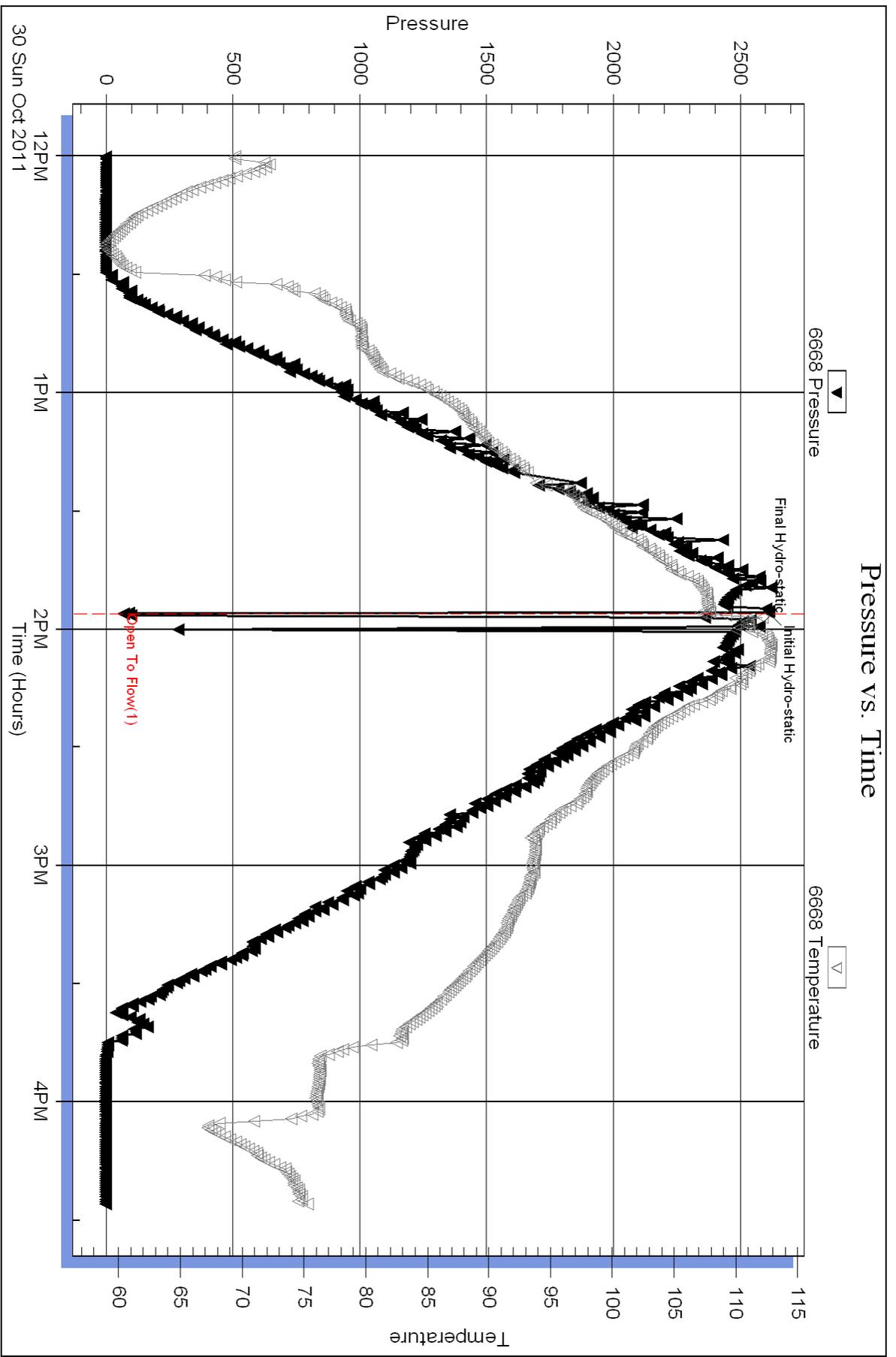
Recovery Comments:

Serial #: 6668

Outside Ritchie Exploration Inc.

Hood Land #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration Inc.**

8100 E. 22nd ST N 700th
Wichita KS 67278

ATTN: Terry McLeod

Hood Land #1

25-28s-23w Ford,KS

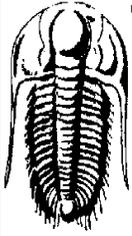
Start Date: 2011.10.30 @ 19:57:31

End Date: 2011.10.31 @ 05:18:41

Job Ticket #: 042300 DST #: 4

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ritchie Exploration Inc.
8100 E. 22nd ST N 700th
Wichita KS 67278
ATTN: Terry McLeod

25-28s-23w Ford,KS
Hood Land #1
Job Ticket: 042300 **DST#: 4**
Test Start: 2011.10.30 @ 19:57:31

GENERAL INFORMATION:

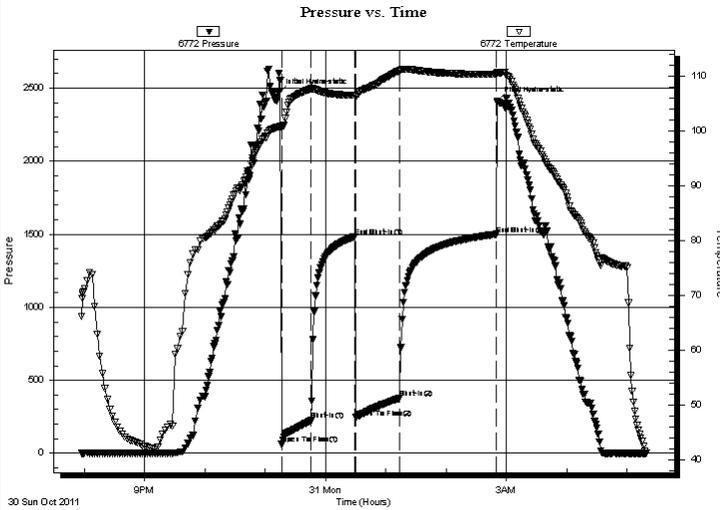
Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:16:11
Time Test Ended: 05:18:41
Interval: **5171.00 ft (KB) To 5356.00 ft (KB) (TVD)**
Total Depth: 5356.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 58
Reference Elevations: 2520.00 ft (KB)
2510.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6772 Outside

Press @ Run Depth: 377.83 psig @ 5178.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.10.30 End Date: 2011.10.31 Last Calib.: 2011.10.31
Start Time: 19:57:31 End Time: 05:18:41 Time On Btm: 2011.10.30 @ 23:13:11
Time Off Btm: 2011.10.31 @ 02:50:25

TEST COMMENT: IF: BOB 10 min., strong steady blow
IS: No blow back
FF: BOB 15 min., strong steady blow
FS: No blow back

PRESSURE SUMMARY



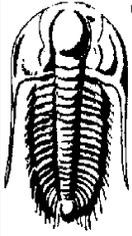
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2468.47	100.75	Initial Hydro-static
3	61.63	100.62	Open To Flow (1)
33	225.31	107.71	Shut-In(1)
76	1483.11	106.51	End Shut-In(1)
77	244.80	106.29	Open To Flow (2)
121	377.83	111.00	Shut-In(2)
217	1499.70	110.37	End Shut-In(2)
218	2411.55	110.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
515.00	muddy water 95%W,5%M	5.33
186.00	oil spotted mud	2.61

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 042300

DST#: 4

ATTN: Terry McLeod

Test Start: 2011.10.30 @ 19:57:31

Tool Information

Drill Pipe:	Length: 4971.00 ft	Diameter: 3.80 inches	Volume: 69.73 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: 20000.00 lb
Drill Collar:	Length: 208.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 70.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5171.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	189.00 ft			
Tool Length:	212.00 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			5149.00	
Shut In Tool	5.00			5154.00	
Hydraulic tool	5.00			5159.00	
Jars	5.00			5164.00	
Safety Joint	2.00			5166.00	
Packer	5.00			5171.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			5175.00	
Stubb	1.00			5176.00	
Perforations	2.00			5178.00	
Recorder	0.00	8355	Inside	5178.00	
Recorder	0.00	6772	Outside	5178.00	
Perforations	20.00			5198.00	
Change Over Sub	1.00			5199.00	
Drill Pipe	157.00			5356.00	
Change Over Sub	1.00			5357.00	
Bullnose	3.00			5360.00	189.00 Anchor Tool
Total Tool Length:	212.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration Inc.

25-28s-23w Ford,KS

8100 E. 22nd ST N 700th
Wichita KS 67278

Hood Land #1

Job Ticket: 042300

DST#: 4

ATTN: Terry McLeod

Test Start: 2011.10.30 @ 19:57:31

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:

46000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
515.00	muddy w ater 95%W,5%M	5.329
186.00	oil spotted mud	2.609

Total Length: 701.00 ft Total Volume: 7.938 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

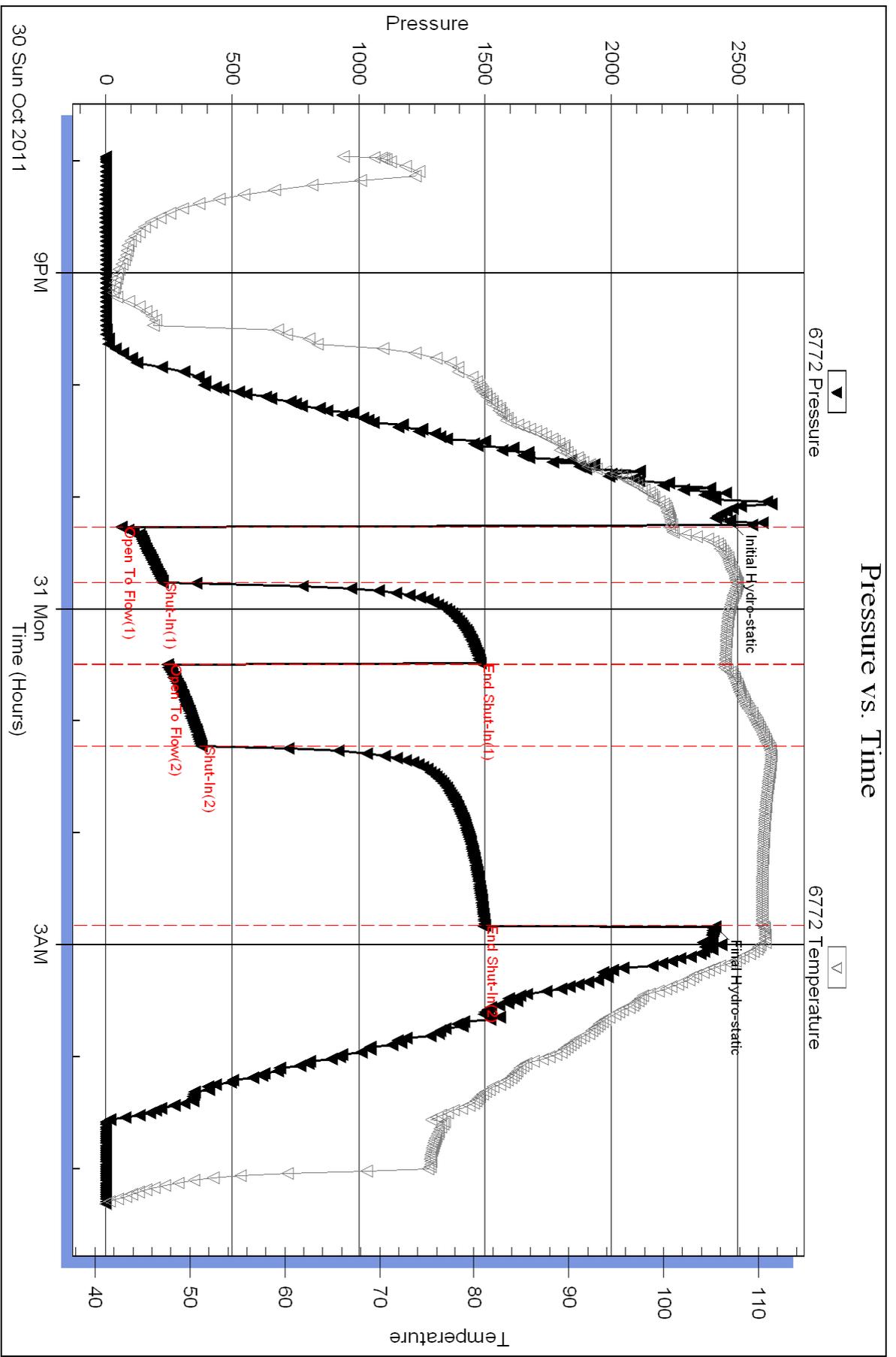
Recovery Comments: RW=.156@63F=46,000ppm

Serial #: 6772

Outside Ritchie Exploration Inc.

Hood Land #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 042300

Printed: 2011.11.03 @ 08:30:18



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 43222

BY: _____

Well Name & No. Hood Land #0 #1 Test No. 1 Date 10-29-11
 Company Ritchie Exploration Inc. Elevation 2520 KB 2510 GL
 Address 8100 E 22nd ST N# 700 Witchita KS 67278
 Co. Rep / Geo. Terry McLeod Rig Martin 21
 Location: Sec. 25 Twp. 28s Rge. 23w Co. Ford State KS

Interval Tested 5164-5244 Zone Tested Mississippi
 Anchor Length 80 Drill Pipe Run 4958 Mud Wt. 8.8
 Top Packer Depth 5160 Drill Collars Run 213 Vis 61
 Bottom Packer Depth 5164 Wt. Pipe Run 0 WL 11.6
 Total Depth 5244 Chlorides 9800 ppm System LCM 1

Blow Description IF: Built to 9" Blow
IS: No Return Blow
FF: BOB in 31 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud with oil spots</u>			<u>100</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 60 BHT 121 Gravity 1 API RW 1 @ 1 ° F Chlorides 1 ppm
 (A) Initial Hydrostatic 2606 Test 1325.00 T-On Location 01:15
 (B) First Initial Flow 61 Jars _____ T-Started 02:43
 (C) First Final Flow 73 Safety Joint 75.00 T-Open 05:06
 (D) Initial Shut-In 300 Circ Sub NC T-Pulled 08:05
 (E) Second Initial Flow 80 Hourly Standby _____ T-Out 20:02
 (F) Second Final Flow 99 Mileage 120RT 168 Comments _____
 (G) Final Shut-In 307 Sampler _____
 (H) Final Hydrostatic 2495 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Shale Packer _____
 Final Flow 45 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1568 Sub Total _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0 Sub Total _____
 Total 1568 Total _____
 MP/DST Disc't _____

Approved By Terry McLeod Our Representative Mike Polito

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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Test Ticket

NO. 43223

Well Name & No. Hood Land Co #1 Test No. 2 Date 10-29-30
 Company Ritchie Exploration Inc. Elevation 2520 KB 2510 GL
 Address 8100 E 22ND ST. N^H 700 Wichita KS 67278
 Co. Rep / Geo. Terry McLeod Rig Martin 21
 Location: Sec. 25 Twp. 28S Rge. 23W Co. Ford State KS

Interval Tested 5245-5264 Zone Tested 5025
 Anchor Length 19' Drill Pipe Run ~~5025~~ Miss Mud Wt. 9.2
 Top Packer Depth 5241 Drill Collars Run 213 Vis 63
 Bottom Packer Depth 5245 Wt. Pipe Run 0 WL 14.0
 Total Depth 5264 Chlorides 12,800 ppm System LCM 2
 Blow Description IF:

IS: Packer Failure
 FF: Packer Failure
 FS:

Rec	Feet of	%gas	%oil	%water	%mud
<u>579</u>	<u>Mud</u>			<u>100</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 579 BHT 108 Gravity / API RW / @ / °F Chlorides / ppm
 (A) Initial Hydrostatic 2267 Test 1125.00 T-On Location 15:30
 (B) First Initial Flow 44 Jars / T-Started 16:42
 (C) First Final Flow / Safety Joint 75.00 T-Open 19:00
 (D) Initial Shut-In / Circ Sub NC T-Pulled 19:10
 (E) Second Initial Flow / Hourly Standby / T-Out 21:41
 (F) Second Final Flow / Mileage 120 RT= 9168 Comments /
 (G) Final Shut-In / Sampler /
 (H) Final Hydrostatic 2525 Straddle /
 Shale Packer /
 Extra Packer /
 Extra Recorder /
 Day Standby /
 Accessibility /

Initial Open / Ruined Shale Packer /
 Initial Shut-In Packer Failure Ruined Packer /
 Final Flow / Extra Copies /
 Final Shut-In / Sub Total 0
 Total 1368
 MP/DST Disc't /
 Sub Total 1368

Approved By Terry McLeod Our Representative Mike Rabit

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BY:

Test Ticket

NO. 43224

Well Name & No. Hood Land Co #1 Test No. 3 Date 10-30-11
 Company Ritchie Exploration, Inc. Elevation 2520 KB 2510 GL
 Address 8100 E 22nd St. N. # 700 Wichita KS 67228
 Co. Rep / Geo. Terry McLeod Rig Murfin 21
 Location: Sec. 25 Twp. 28S Rge. 23 W Co. Ford State KS

Interval Tested 5216-5286 Zone Tested Miss
 Anchor Length 70 Drill Pipe Run 5000 Mud Wt. 9.2
 Top Packer Depth ~~5212~~ 5212 Drill Collars Run 213 Vis 63
 Bottom Packer Depth ~~528~~ 5216 Wt. Pipe Run 0 WL 14.0
 Total Depth 5286 Chlorides 12,800 ppm System LCM 2

Blow Description IF:
IS:
FF: Packer Failure
FS:

Rec	Feet of	%gas	%oil	%water	%mud
<u>455</u>	<u>MUD</u>			<u>100</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 455 BHT 111 Gravity / API RW / @ / ° F Chlorides / ppm

(A) Initial Hydrostatic <u>2609</u>	<input checked="" type="checkbox"/> Test <u>1125.00</u>	T-On Location <u>10:00 AM</u>
(B) First Initial Flow <u>68</u>	<input checked="" type="checkbox"/> Jars <u>—</u>	T-Started <u>12:00</u>
(C) First Final Flow <u> </u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>13:55</u>
(D) Initial Shut-In <u> </u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u> </u>
(E) Second Initial Flow <u> </u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u> </u>
(F) Second Final Flow <u> </u>	<input checked="" type="checkbox"/> Mileage <u>120 RT = 168'</u>	Comments <u> </u>
(G) Final Shut-In <u> </u>	<input type="checkbox"/> Sampler <u>—</u>	
(H) Final Hydrostatic <u>2574</u>	<input checked="" type="checkbox"/> Straddle <u>600.00</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Open <u>—</u>	<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Initial Shut-In <u>—</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Sub Total <u>0</u>
Final Flow <u>—</u>	<input type="checkbox"/> Day Standby <u>—</u>	Total <u>1968</u>
Final Shut-In <u>—</u>	<input type="checkbox"/> Accessibility <u>—</u>	MP/DST Disc't <u>—</u>

Sub Total 1968.00

Approved By Terry McLeod Our Representative Mike Roberts

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Test Ticket

NO. 042300

4/10

BY: _____

Well Name & No. Hood Land Co. #1 Test No. 4 Date 10-30-11
 Company Ritchie Exploration, Inc. Elevation 2521 KB 2510 GL
 Address 8100 E 22ND ST. N #1700 Wichita, KS 67272
 Co. Rep / Geo. Ferry McLeod Rig Murfin #21
 Location: Sec. 25 Twp. 28 Rge. 23 Co. Ford State KS

Interval Tested 5171-5356 Zone Tested Miss.
 Anchor Length 185' Drill Pipe Run 4971 Mud Wt. 9.2
 Top Packer Depth 5166 Drill Collars Run 208 Vis 53
 Bottom Packer Depth 5171 Wt. Pipe Run N.A. WL 10.0
 Total Depth 5356 Chlorides 11,800 ppm System LCM 1#
 Blow Description IF: BOB 10 min., strong steady blow
ISE: No blow back
FF: BOB 15 min., strong steady blow
FSI: No blow back

Rec	Feet of	%gas	Spot %oil	%water	%mud
<u>186</u>	<u>oil spotted mud</u>				<u>100%</u>
<u>515</u>	<u>muddy water</u>			<u>95%</u>	<u>5%</u>

Rec Total _____ BHT 110 Gravity N.A. API RW .156 @ 63 °F Chlorides 46,000 ppm
 (A) Initial Hydrostatic 2468 Test conv. 1325' T-On Location 2000
 (B) First Initial Flow 62 Jars 250' T-Started 2215
 (C) First Final Flow 225 Safety Joint 75' T-Open 0015
 (D) Initial Shut-In 1483 Circ Sub _____ T-Pulled 0345
 (E) Second Initial Flow 245 Hourly Standby _____ T-Out 0600
 (F) Second Final Flow 378 Mileage 116 RT 162,40 Comments #6772 (2058)
 (G) Final Shut-In 1500 Sampler _____ #8355 ()
 (H) Final Hydrostatic 2412 Straddle _____ Ruined Shale Packer _____
 Shale Packer 11.0 250' Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 2062.40
 Final Flow 45 Accessibility _____ MP/DST Disc't X
 Final Shut-In 90 Sub Total 2062.40

Approved By Ferry McLeod Our Representative Chris Hagman
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