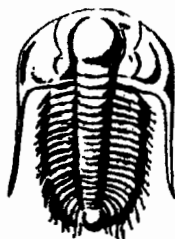


RELEASED
FROM
CONFIDENTIAL

FEB 04 2003
KCC WICHITA



TRILOBITE
TESTING, INC.

CONFIDENTIAL
WICHITA KANSAS REPORT

Prepared for

Ritchie Exploration Inc
PO Box 783188
Wichita, KS 67278

Regan 19A #1
19-11s-33w
Logan co Kansas

KCC

JAN 31 2003

CONFIDENTIAL

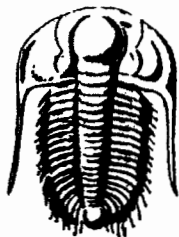
Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net

CONFIDENTIAL

KCC

JAN 31 2003

ORIGINAL


TRILOBITE
TESTING, INC.

CONFIDENTIAL

DRILL STEM TEST REPORT

Ritchie Exploration Inc

PO Box 783188

Wichita, KS 67278

Well name#:	Regan 19A #1	Date:	1/11/2003
Location#:	19-11s-33w	Ticket #:	15256
		DST#	1

General Informaion:

Formation:	"H&I"	Test Type:	Conventional	BHT:	122
Interval:	4264-4311	Tester:	Shane McBride	OIL API:	
Total Depth:	4311	Elevation:	3157 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		3152 ft(CF)		
Start Data:	1/11/2003	Tool Weight:	1500	Mud Type:	Chemical
Start Time:	9:05:00	Weight Set on Packers:	30000	Mud Weight:	9.1
Time tool opened:	10:30:00	Weight to Pull Loose:	65000	Viscosity:	47
Time Off Btm:	12:30:00	Initial String Weight:	44000	Water Loss:	10.4
End Date:	1/11/03	Final String Weight:	44000	Resistivity:	
End Time:	15:05:00	Drill Pipe Length:	4275	Salinity:	4000
		Drill Collar Length:			

Test Comment:

ISI: 1/4" @ open died in 17 minutes

FSI: Bubble to open tool - no blow

Recovery

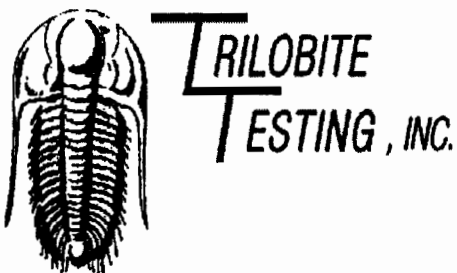
Length(ft):

1

Drilling mud w/oil scum

Gas Volume Report

Recorder #:	11058	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)		PSIG	size	
Initial Hydro-static:	2065				
Open to Flow (1):	33 30				
Shut-in (1):	33 30				
End Shut-in (1):	44				
Open to Flow (2):	33 30				
Shut-in (2):	33 90				
End Shut-in (2):	66				
Final Hydro-static:	2053				



DRILL STEM TEST REPORT

Prepared For: **Ritchie Explor Inc.**

PO Box 783188
Wichita, KS 67278

ATTN: Ritchie Explor

19-11-33 Logan,Ks

Regan 19A #1

Start Date: 2003.01.11 @ 21:07:37

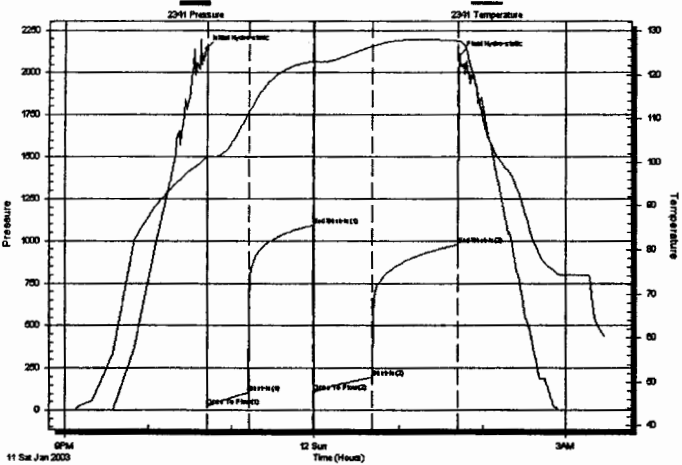
End Date: 2003.01.12 @ 03:28:50

Job Ticket #: 15257 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT <table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none; vertical-align: top;"> Ritchie Explor Inc. PO Box 783188 Wichita, KS 67278 ATTN: Ritchie Explor </td> <td style="width: 40%; border: none; vertical-align: top;"> Regan 19A #1 19-11-33 Logan, Ks Job Ticket: 15257 DST#: 2 Test Start: 2003.01.11 @ 21:07:37 </td> </tr> </table>	Ritchie Explor Inc. PO Box 783188 Wichita, KS 67278 ATTN: Ritchie Explor	Regan 19A #1 19-11-33 Logan, Ks Job Ticket: 15257 DST#: 2 Test Start: 2003.01.11 @ 21:07:37																																		
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Explor Inc.

PO Box 783188
Wichita, KS 67278

ATTN: Ritchie Explor

Regan 19A #1

19-11-33 Logan, Ks

Job Ticket: 15257

DST#: 2

Test Start: 2003.01.11 @ 21:07:37

Tool Information

Drill Pipe:	Length: 4305.00 ft	Diameter: 3.80 inches	Volume: 60.39 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			Total Volume: 60.39 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	4308.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	52.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4289.00	
S.I. Tool	5.00			4294.00	
HMV	5.00			4299.00	
Packer	5.00			4304.00	20.00 Bottom Of Top Packer
Packer	4.00			4308.00	
Stubb	1.00			4309.00	
Recorder	0.00	2341	Inside	4309.00	
Perforations	26.00			4335.00	
Recorder	0.00	11057	Outside	4335.00	
Bullnose	5.00			4340.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Ritchie Explor Inc. PO Box 783188 Wichita, KS 67278 ATTN: Ritchie Explor	Regan 19A #1 19-11-33 Logan, Ks Job Ticket: 15257 DST#: 2 Test Start: 2003.01.11 @ 21:07:37	

Mud and Cushion Information			
Mud Type: Gel Chem Mud Weight: 47.00 lb/gal Viscosity: 9.10 sec/qt Water Loss: 10.38 in ³ Resistivity: 0.00 ohm.m Salinity: 4000.00 ppm Filter Cake: 1.00 inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	Oil API: Water Salinity: ppm	deg API

Recovery Information										
Recovery Table										
Length ft	Description	Volume bbl								
120.00	m c w 35% m 65% w	1.683								
300.00	water 100% w	4.208								
<table style="width: 100%;"> <tr> <td>Total Length: 420.00 ft</td> <td>Total Volume: 5.891 bbl</td> </tr> <tr> <td>Num Fluid Samples: 0</td> <td>Num Gas Bombs: 0 Serial #:</td> </tr> <tr> <td>Laboratory Name:</td> <td>Laboratory Location:</td> </tr> <tr> <td colspan="2">Recovery Comments:</td> </tr> </table>			Total Length: 420.00 ft	Total Volume: 5.891 bbl	Num Fluid Samples: 0	Num Gas Bombs: 0 Serial #:	Laboratory Name:	Laboratory Location:	Recovery Comments:	
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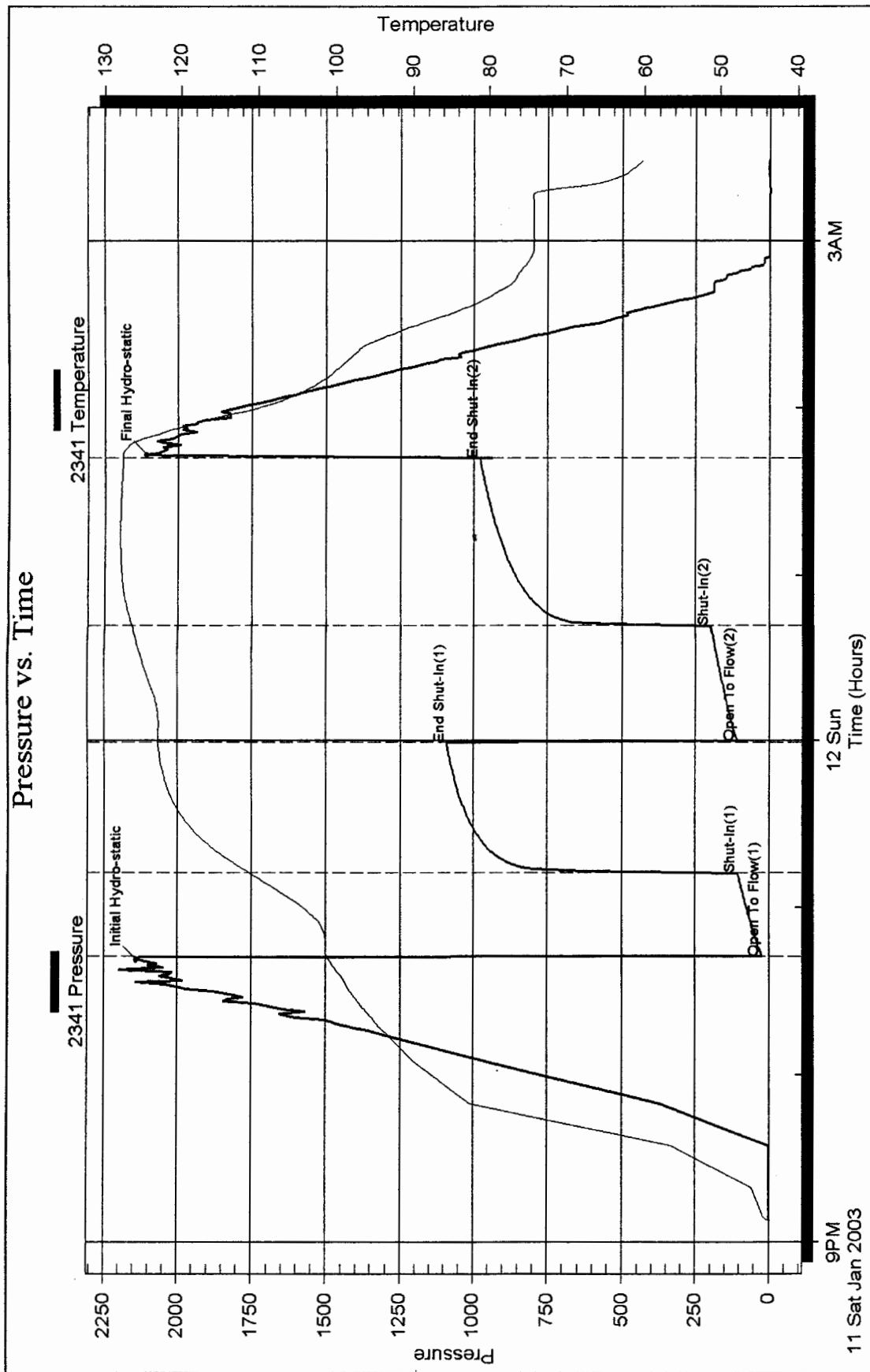
Serial #: 2341

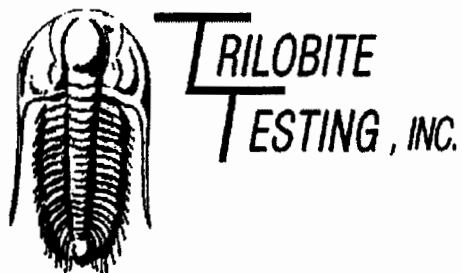
Inside Ritchie Explor Inc.

19-11-33 Logan, Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Ritchie Explor Inc.**

PO Box 783188
Wichita, KS 67278

ATTN: Ritchie Explor

19-11-33 Logan,Ks

Regan 19A #1

Start Date: 2003.01.13 @ 04:58:46

End Date: 2003.01.13 @ 10:23:14

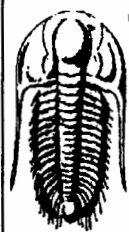
Job Ticket #: 15258

DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Ritchie Explor Inc.

 PO Box 783188
 Wichita, KS 67278

ATTN: Ritchie Explor

Regan 19A #1
19-11-33 Logan, Ks

Job Ticket: 15258

DST#: 3

Test Start: 2003.01.13 @ 04:58:46

GENERAL INFORMATION:

 Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:14

Time Test Ended: 10:23:14

 Interval: **4600.00 ft (KB) To 4676.00 ft (KB) (TVD)**

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 15

Reference Elevations: 3157.00 ft (KB)

3152.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 2341
Inside

Press@RunDepth: 37.95 psig @ 4601.00 ft (KB)

Start Date: 2003.01.13

End Date:

2003.01.13

Start Time: 04:58:46

End Time:

10:23:14

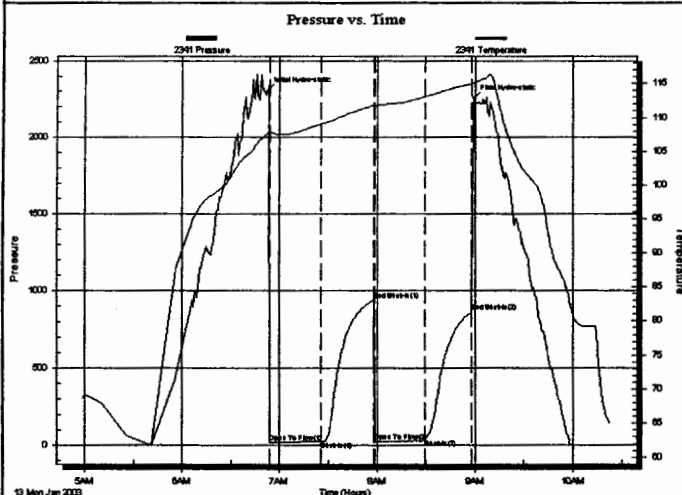
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.01.13 @ 06:52:44

Time Off Btm: 2003.01.13 @ 08:59:14

TEST COMMENT: Weak 1/2" in blow
 No return
 Bubble to open tool no blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.55	107.64	Initial Hydro-static
2	18.83	107.83	Open To Flow (1)
33	23.97	109.03	Shut-In(1)
65	940.42	111.81	End Shut-In(1)
66	22.93	111.85	Open To Flow (2)
97	37.95	113.08	Shut-In(2)
126	862.17	114.95	End Shut-In(2)
127	2254.51	115.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100% m	0.28
		4.21

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Explor Inc.

PO Box 783188
Wichita, KS 67278

ATTN: Ritchie Explor

Regan 19A #1

19-11-33 Logan, Ks

Job Ticket: 15258

DST#: 3

Test Start: 2003.01.13 @ 04:58:46

Tool Information

Drill Pipe:	Length: 4611.00 ft	Diameter: 3.80 inches	Volume: 64.68 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 64.68 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4600.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4581.00	
S.I. Tool	5.00			4586.00	
HMV	5.00			4591.00	
Packer	5.00			4596.00	20.00 Bottom Of Top Packer
Packer	4.00			4600.00	
Stubb	1.00			4601.00	
Recorder	0.00	2341	Inside	4601.00	
Perforations	5.00			4606.00	
C.O. Sub	1.00			4607.00	
drillpipe	63.00			4670.00	
C.O. Sub	1.00			4671.00	
Recorder	0.00	11057	Outside	4671.00	
Bullnose	5.00			4676.00	76.00 Bottom Packers & Anchor

Total Tool Length: 96.00

10242



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Explor Inc.

Regan 19A #1

PO Box 783188
Wichita, KS 67278

19-11-33 Logan, Ks

Job Ticket: 15258

DST#: 3

ATTN: Ritchie Explor

Test Start: 2003.01.13 @ 04:58:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 48.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 9.50 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100% m	0.281
		4.208

Total Length: 20.00 ft

Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2341

Inside Ritchie Explor Inc.

19-11-33 Logan, Ks

DST Test Number: 3

