



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Oil., Inc.**

370 W. Wichita Ave
Russell KS 67665

ATTN: Brad

30 8S 16 Rooks KS

Hutton
Chesney #1

Start Date: 2010.04.12 @ 17:43:34

End Date: 2010.04.12 @ 22:17:04

Job Ticket #: 38532 DST #: 1

KCC

MAY 04 2010

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 05 2010

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer Oil., Inc.

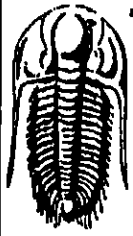
Chesney B #1

30 8S 16 Rooks KS

DST # 1

LKC "C,D"

2010.04.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Oil., Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38532

DST#: 1

ATTN: Brad

Test Start: 2010.04.12 @ 17:43:34

GENERAL INFORMATION:

Formation: **LKC "C,D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:11:34

Time Test Ended: 22:17:04

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: **3032.00 ft (KB) To 3100.00 ft (KB) (TVD)**

Reference Elevations: 1871.00 ft (KB)

Total Depth: 3100.00 ft (KB) (TVD)

1862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 9.00 ft

Serial #: 8319

Inside

Press@RunDepth: 30.52 psig @ 3035.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.04.12

End Date:

2010.04.12

Last Calib.:

2010.04.12

Start Time: 17:43:39

End Time:

22:17:03

Time On Btm

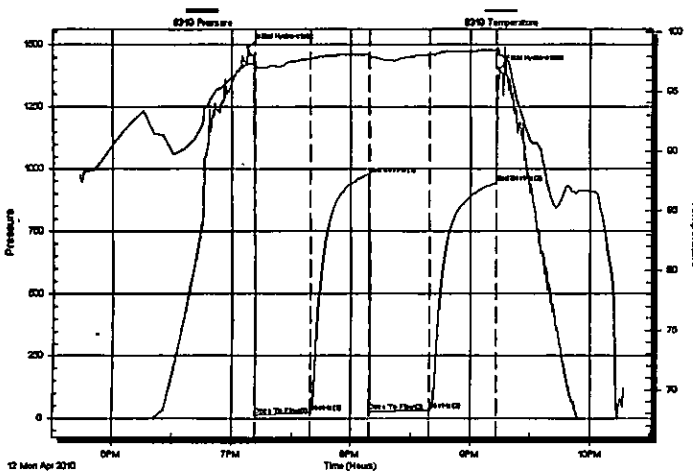
2010.04.12 @ 19:08:04

Time Off Btm

2010.04.12 @ 21:14:34

TEST COMMENT: IF-very weak surface blow
ISI-No blow
FF-very weak surface blow died in 11min
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1487.38	97.37	Initial Hydro-static
4	12.93	96.50	Open To Flow (1)
32	23.62	97.83	Shut-In(1)
61	979.68	98.18	End Shut-In(1)
62	26.63	97.66	Open To Flow (2)
92	30.52	98.12	Shut-In(2)
125	944.00	98.48	End Shut-In(2)
127	1402.90	98.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oilspotted mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Oil, Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38532

DST#: 1

ATTN: Brad

Test Start: 2010.04.12 @ 17:43:34

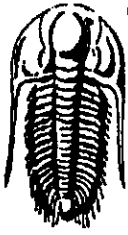
Tool Information

Drill Pipe:	Length: 2986.00 ft	Diameter: 3.80 inches	Volume: 41.89 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 45000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3032.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 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			3013.00	
Shut In Tool	5.00			3018.00	
Hydraulic tool	5.00			3023.00	
Packer	4.00			3027.00	20.00 Bottom Of Top Packer
Packer	5.00			3032.00	
Stubb	1.00			3033.00	
Perforations	1.00			3034.00	
Change Over Sub	1.00			3035.00	
Recorder	0.00	8319	Inside	3035.00	
Recorder	0.00	8369	Inside	3035.00	
Blank Spacing	31.00			3066.00	
Change Over Sub	1.00			3067.00	
Perforations	30.00			3097.00	
Bullnose	3.00			3100.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Oil, Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38532

DST#: 1

ATTN: Brad

Test Start: 2010.04.12 @ 17:43:34

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: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.16 in³

Gas Cushion Type:

Resistivity: ohm m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	Oilspotted mud	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbf

Num Fluid Samples: 0

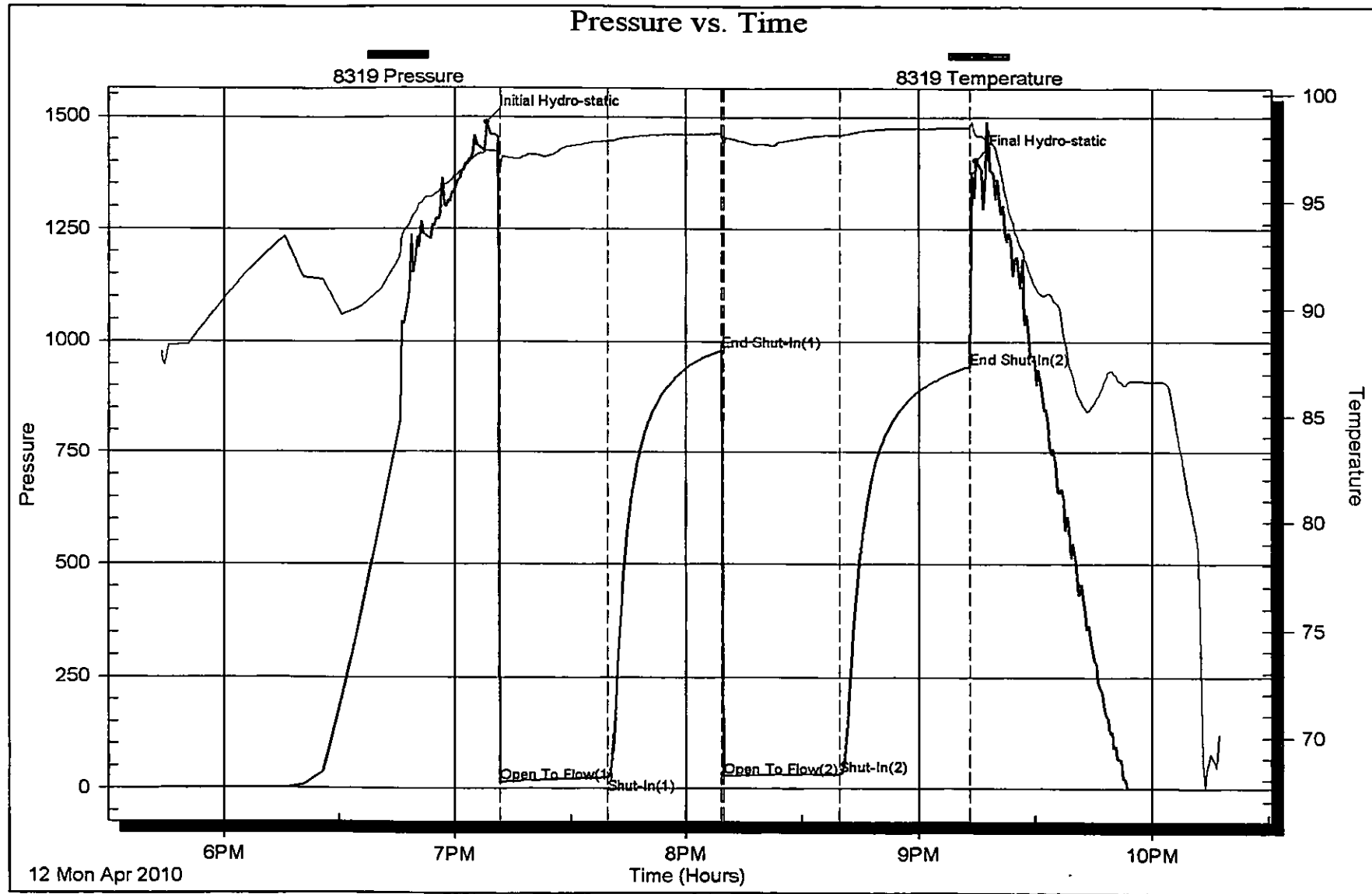
Num Gas Bombs: 0

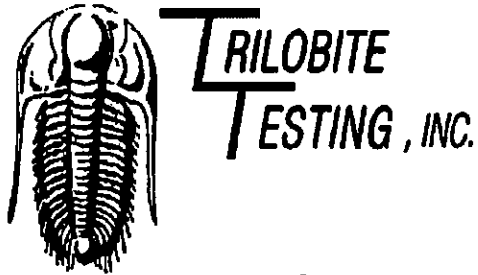
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Oil., Inc.**

370 W. Wichita Ave
Russell KS 67665

ATTN: Brad

30 8S 16 Rooks KS

Chesney B #1

Start Date: 2010.04.13 @ 05:00:06

End Date: 2010.04.13 @ 10:56:06

Job Ticket #: 38533 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Oil., Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38533

DST#: 2

ATTN: Brad

Test Start: 2010.04.13 @ 05:00:06

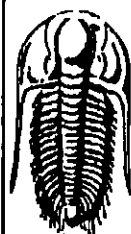
Tool Information

Drill Pipe:	Length: 3080.00 ft	Diameter: 3.80 inches	Volume: 43.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 2500.00 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: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3098.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 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			3079.00	
Shut In Tool	5.00			3084.00	
Hydraulic tool	5.00			3089.00	
Packer	4.00			3093.00	20.00 Bottom Of Top Packer
Packer	5.00			3098.00	
Stubb	1.00			3099.00	
Perforations	1.00			3100.00	
Change Over Sub	1.00			3101.00	
Recorder	0.00	8319	Inside	3101.00	
Recorder	0.00	8369	Inside	3101.00	
Blank Spacing	31.00			3132.00	
Change Over Sub	1.00			3133.00	
Perforations	14.00			3147.00	
Bullnose	3.00			3150.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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FLUID SUMMARY

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Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38533

DST#: 2

ATTN: Brad

Test Start: 2010.04.13 @ 05:00:06

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:

112000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	water	1.410
120.00	WCM 40%W 60%M	1.683
45.00	Oil spotted WCM 45%W 55%M	0.631

Total Length: 285.00 ft

Total Volume: 3.724 bbl

Num Fluid Samples: 0

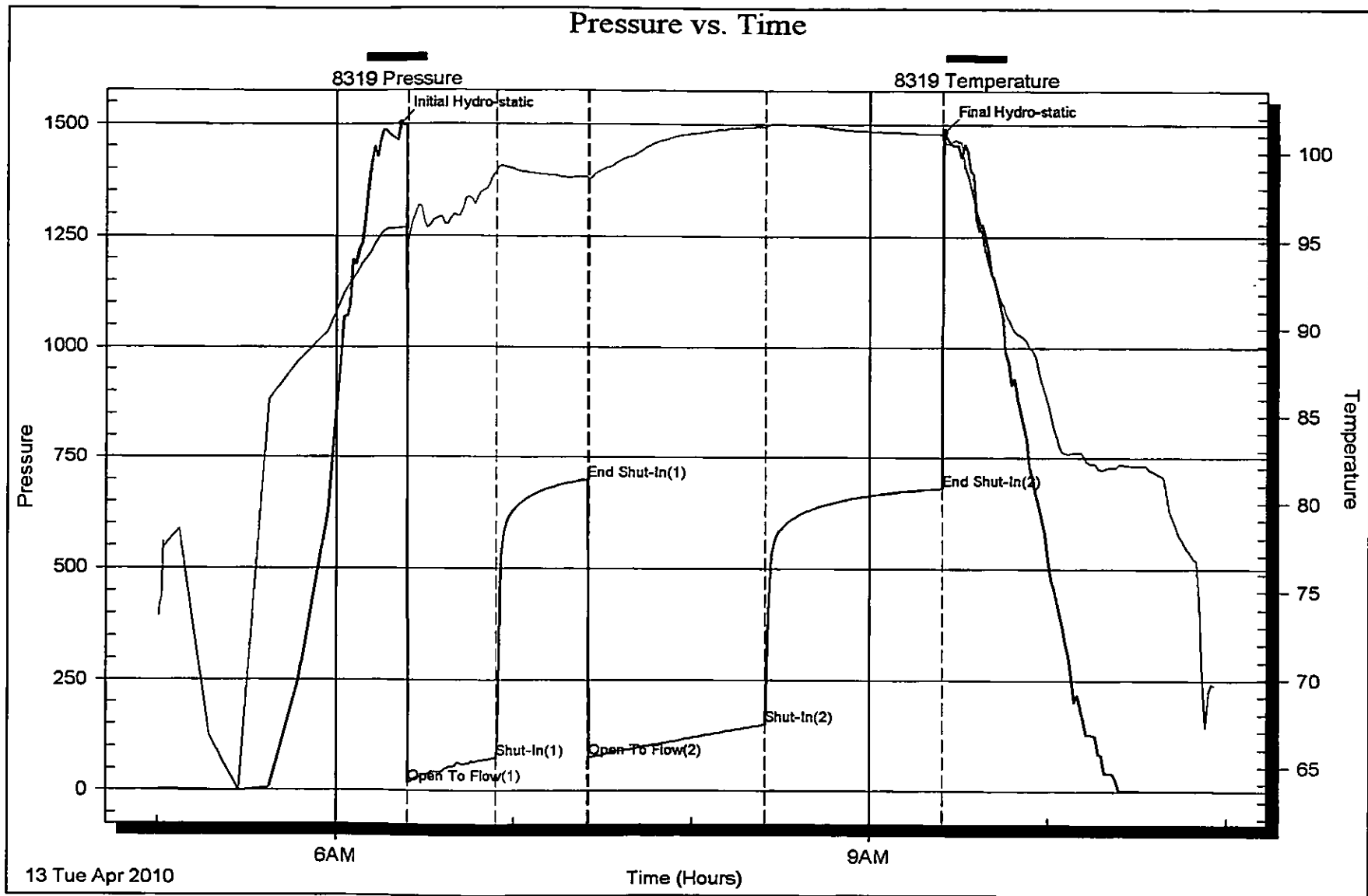
Num Gas Bombs: 0

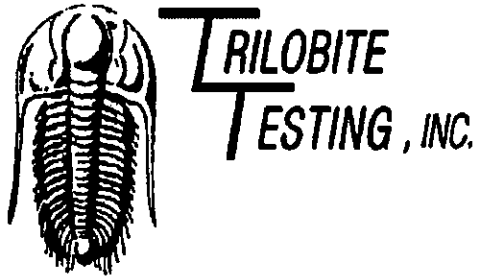
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Oil., Inc.**

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30 8S 16 Rooks KS

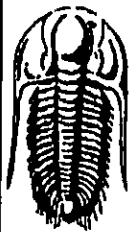
Chesney B #1

Start Date: 2010.04.13 @ 20:05:57

End Date: 2010.04.14 @ 01:57:27

Job Ticket #: 38534 DST #: 3

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



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TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Oil, Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38534

DST#: 3

ATTN: Brad

Test Start: 2010.04.13 @ 20:05:57

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock ft (KB)

Time Tool Opened: 22:23:57

Time Test Ended: 01:57:27

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3170.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 1871.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 9.00 ft

Serial #: 8319

Inside

Press@RunDepth: 30.04 psig @ 3173.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.04.13

End Date:

2010.04.14

Last Calib.:

2010.04.14

Start Time: 20:06:02

End Time:

01:57:26

Time On Btm

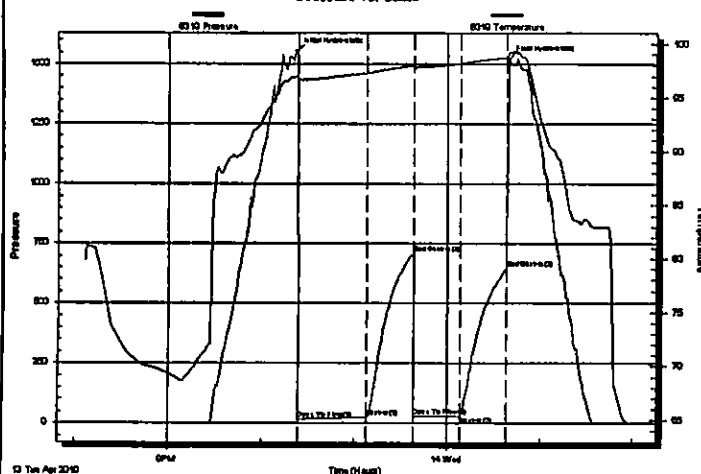
2010.04.13 @ 22:22:27

Time Off Btm

2010.04.14 @ 00:39:26

TEST COMMENT: IF-3/4in blow died back to 1/4in blow
IS- No blow
FF- No blow
FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

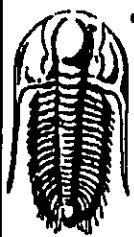
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1553.42	96.99	Initial Hydro-static
2	16.40	96.58	Open To Flow (1)
46	25.35	97.29	Shut-In(1)
76	710.66	97.97	End Shut-In(1)
76	28.23	97.66	Open To Flow (2)
106	30.04	98.17	Shut-In(2)
136	644.18	98.71	End Shut-In(2)
137	1522.31	99.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Oil., Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38534

DST#: 3

ATTN: Brad

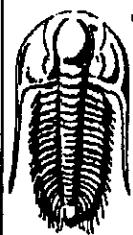
Test Start: 2010.04.13 @ 20:05:57

Tool Information

Drill Pipe:	Length: 3143.00 ft	Diameter: 3.80 inches	Volume: 44.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 46000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3170.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	100.00 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			3151.00	
Shut In Tool	5.00			3156.00	
Hydraulic tool	5.00			3161.00	
Packer	4.00			3165.00	20.00 Bottom Of Top Packer
Packer	5.00			3170.00	
Stubb	1.00			3171.00	
Perforations	1.00			3172.00	
Change Over Sub	1.00			3173.00	
Recorder	0.00	8319	Inside	3173.00	
Recorder	0.00	8369	Inside	3173.00	
Blank Spacing	63.00			3236.00	
Change Over Sub	1.00			3237.00	
Perforations	10.00			3247.00	
Bullnose	3.00			3250.00	80.00 Bottom Packers & Anchor
Total Tool Length:	100.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Oil, Inc.

Chesney B #1

370 W. Wichita Ave
Russell KS 67665

30 8S 16 Rooks KS

Job Ticket: 38534

DST#: 3

ATTN: Brad

Test Start: 2010.04.13 @ 20:05:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APT

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.89 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbf

Num Fluid Samples: 0

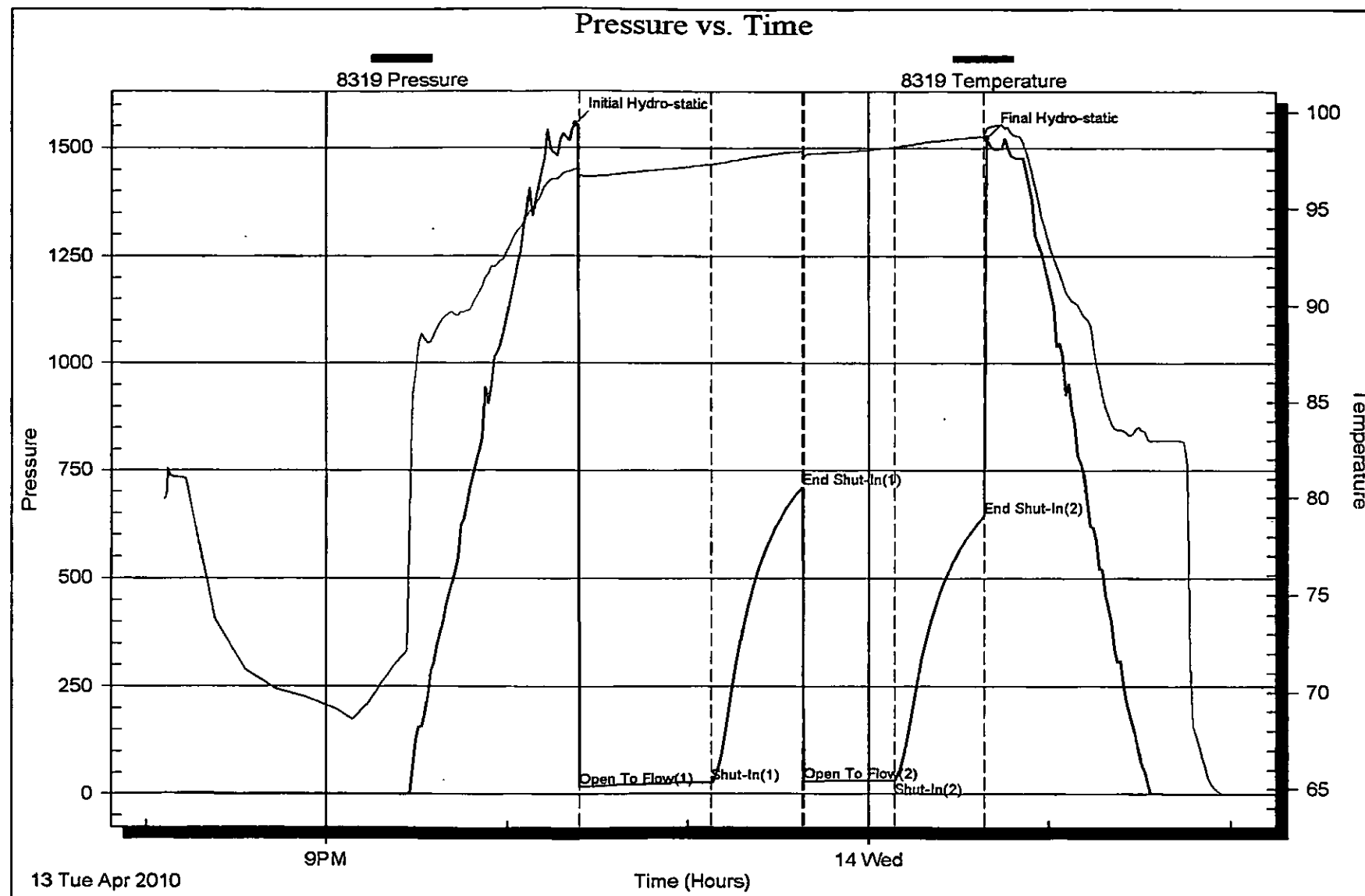
Num Gas Bombs: 0

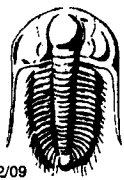
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 38532 14140

RECEIVED
APR 19 2010

Well Name & No. Chesney B #1 Test No. 1 Date 4/12/10
 Company Farmer, John O., Inc Elevation 6871 KB 1862 GL
 Address 370 W Wichita Ave Russell KS 67665
 Co. Rep / Geo. _____ Rig Disco 1
 Location: Sec. 30 Twp. 8s Rge. 16 Co. Rooks State KS

Interval Tested 3032 - 3100 Zone Tested LKC^{cc}-D^u
 Anchor Length 68 Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 3027 Drill Collars Run 30 Vis 46
 Bottom Packer Depth 3032 Wt. Pipe Run _____ WL 9.2
 Total Depth 3100 Chlorides 5,000 ppm System LCM _____
 Blow Description IF - very weak surface blow
ISI - No blow
FF - very weak surface blow died in 11 min
FSI - No blow

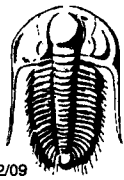
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>oil spotted mud</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 30 BHT 99 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1497 Test 1050 T-On Location 16:45
 (B) First Initial Flow 12 Jars _____ T-Started 17:42
 (C) First Final Flow 23 Safety Joint _____ T-Open 19:08
 (D) Initial Shut-In 979 Circ Sub _____ T-Pulled 21:08
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 22:16
 (F) Second Final Flow 30 Mileage 42x2 Comments _____
 (G) Final Shut-In 944 Sampler _____
 (H) Final Hydrostatic 1383 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1134-
 Sub Total 1134-

Approved By _____ Our Representative Burt [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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 38533

RECEIVED
APR 19 2010

12/09

Well Name & No. Chesney B #1 Test No. 2 Date 4-13-10
 Company Farmer, John O., Inc Elevation 1871 KB 1862 GL
 Address 370 W Wichita Ave Russell KS 67665
 Co. Rep / Geo. _____ Rig Disco 1
 Location: Sec. 30 Twp. 8s Rge. 16 Co. Rocks State KS

Interval Tested 3098-3150 Zone Tested _____
 Anchor Length 52 Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 3023 Drill Collars Run 30 Vis 46
 Bottom Packer Depth 3098 Wt. Pipe Run _____ WL 9.2
 Total Depth 3150 Chlorides 5,000 ppm System LCM _____
 Blow Description DF - 7 1/4 in blow
ISI - No blow
FF - 8 in blow
FSI - No blow

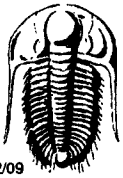
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>water</u>				
<u>120</u>				<u>40</u>	<u>60</u>
<u>45</u>	<u>oil spotted wcm</u>			<u>45</u>	<u>55</u>

Rec Total 285 BHT 101 Gravity _____ API RW _____ @ _____ °F Chlorides 112,000 ppm
 (A) Initial Hydrostatic 1463 Test 1080- T-On Location 4:55
 (B) First Initial Flow 16 Jars _____ T-Started 5:00
 (C) First Final Flow 73 Safety Joint _____ T-Open 6:25
 (D) Initial Shut-In 698 Circ Sub _____ T-Pulled 9:25
 (E) Second Initial Flow 75 Hourly Standby _____ T-Out 11:00
 (F) Second Final Flow 149 Mileage 42x2 84- Comments _____
 (G) Final Shut-In 579 Sampler _____
 (H) Final Hydrostatic 1454 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 8
 Accessibility _____ Total 1134-
 Sub Total 1134-

Approved By _____

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 38534

RECEIVED
APR 19 2010

Well Name & No. Chesney B #1 Test No. 3 Date 4-13-10
 Company Farmer, John O, Inc Elevation 1871 KB 1862 GL
 Address 370 W Wichita Ave Russell KS 67863
 Co. Rep / Geo. _____ Rig Visco 1
 Location: Sec. 30 Twp. 8s Rge. 16 Co. Rooks State KS

Interval Tested 3170-3250 Zone Tested _____
 Anchor Length 80 Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 3165 Drill Collars Run 30 Vis 60
 Bottom Packer Depth 3170 Wt. Pipe Run _____ WL 8.9
 Total Depth 3250 Chlorides 5200 ppm System LCM _____

Blow Description IF - 1/4 in blow died back to 1/4 in
ISI - No blow
PF - No blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>1 m of</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 20 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1541 Test 1050 T-On Location 19:45
 (B) First Initial Flow 16 Jars _____ T-Started 20:05
 (C) First Final Flow 25 Safety Joint _____ T-Open 22:23
 (D) Initial Shut-In 710 Circ Sub _____ T-Pulled 00:38
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 1:55
 (F) Second Final Flow 30 Mileage 42x2 Comments _____
 (G) Final Shut-In 644 Sampler _____
 (H) Final Hydrostatic 1497 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total Ø
 Accessibility _____ Total 1134
 Sub Total 1134

Initial Open 45
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____ 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.