



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

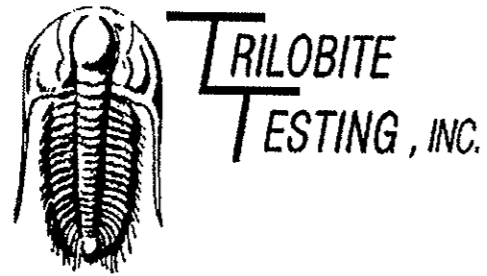
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Moos 'A' 2
Doc ID	1106378

All Electric Logs Run

Pioneer
DIL
CNL
MEL
BHGS



DRILL STEM TEST REPORT

Prepared For: **K & N Petroleum**

1105 Walnut
Great Bend, KS 67530

ATTN: Jim Musgrove

Moos #A 2

29-18s-10w Rice,KS

Start Date: 2012.10.21 @ 10:29:15

End Date: 2012.10.21 @ 16:59:15

Job Ticket #: 49691 DST #: 1

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

Printed: 2012.10.23 @ 15:17:40

K & N Petroleum
29-18s-10w Rice,KS
Moos #A 2
DST # 1
Lansing "K"
2012.10.21



DRILL STEM TEST REPORT

K & N Petroleum
 1105 Walnut
 Great Bend, KS 67530
 ATTN: Jim Musgrove

29-18s-10w Rice, KS
Moos #A 2
 Job Ticket: 49691 DST#: 1
 Test Start: 2012.10.21 @ 10:29:15

GENERAL INFORMATION:

Formation: **Lansing "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:16:30
 Time Test Ended: 16:59:15

Interval: **3126.00 ft (KB) To 3150.00 ft (KB) (TVD)**
 Total Depth: 3150.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 45

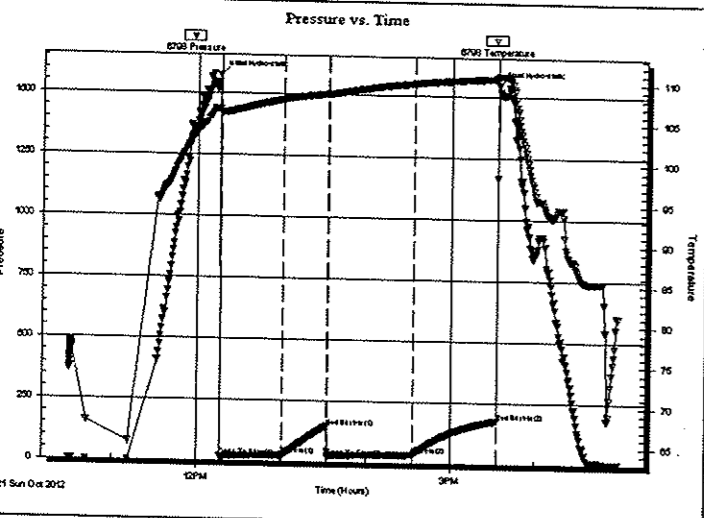
Reference Elevations: 1745.00 ft (KB)
 1738.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6798 Inside

Press@RunDepth: 34.39 psig @ 3127.00 ft (KB)
 Start Date: 2012.10.21 End Date: 2012.10.21
 Start Time: 10:29:16 End Time: 16:59:15

Capacity: 8000.00 psig
 Last Calib.: 2012.10.21
 Time On Btm: 2012.10.21 @ 12:15:45
 Time Off Btm: 2012.10.21 @ 15:33:30

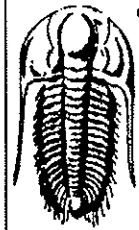
TEST COMMENT: IF: Weak Blow, Built to 2"
 IS: No Blow Back
 FF: Weak Blow, Built to 1"
 FS: No Blow Back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1576.30	106.48	Initial Hydro-static
1	17.50	106.06	Open To Flow (1)
46	26.07	107.75	Shut-In(1)
77	145.93	108.50	End Shut-In(1)
77	22.42	108.45	Open To Flow (2)
138	34.39	109.91	Shut-In(2)
197	175.69	110.63	End Shut-In(2)
198	1548.14	110.92	Final Hydro-static

Length (ft)	Description	Volume (bbl)
50.00	SOSM -1%O +99%M	0.70

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

K & N Petroleum
1105 Walnut
Great Bend, KS 67530
ATTN: Jim Musgrove

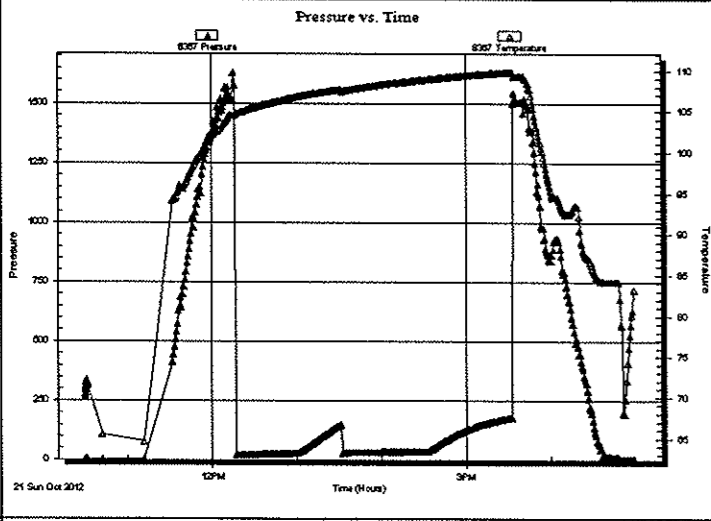
29-18s-10w Rice, KS
Moos #A 2
Job Ticket: 49691 DST#: 1
Test Start: 2012.10.21 @ 10:29:15

GENERAL INFORMATION:

Formation: **Lansing "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:16:30
Time Test Ended: 16:59:15
Interval: **3126.00 ft (KB) To 3150.00 ft (KB) (TVD)**
Total Depth: 3150.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 45
Reference Elevations: 1745.00 ft (KB)
1738.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: **8367** Outside
Press@RunDepth: psig @ 3127.00 ft (KB)
Start Date: 2012.10.21 End Date: 2012.10.21
Start Time: 10:29:31 End Time: 16:59:30
Capacity: 8000.00 psig
Last Calib.: 2012.10.21
Time On Btm:
Time Off Btm:

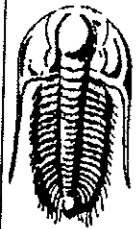
TEST COMMENT: IF: Weak Blow, Built to 2"
ISI: No Blow Back
FF: Weak Blow, Built to 1"
FSI: No Blow Back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
50.00	SOSM -1%O +99%M	0.70

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K & N Petroleum

29-18s-10w Rice, KS

1105 Walnut
Great Bend, KS 67530

Moos #A 2

Job Ticket: 49691

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.10.21 @ 10:29:15

Tool Information

Drill Pipe:	Length: 3126.00 ft	Diameter: 3.80 inches	Volume: 43.85 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 43.85 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3126.00 ft			Final 29000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3111.00	
Hydraulic tool	5.00			3116.00	
Packer	5.00			3121.00	20.00 Bottom Of Top Packer
Packer	5.00			3126.00	
Stubb	1.00			3127.00	
Recorder	0.00	6798	Inside	3127.00	
Recorder	0.00	8367	Outside	3127.00	
Perforations	20.00			3147.00	
Bullnose	3.00			3150.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



DRILL STEM TEST REPORT FLUID SUMMARY

K & N Petroleum	29-18s-10w Rice, KS
1105 Walnut Great Bend, KS 67530	Moos #A 2
ATTN: Jim Musgrove	Job Ticket: 49691 DST#: 1
	Test Start: 2012.10.21 @ 10:29:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.37 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	SOSM -1%O +99%M	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

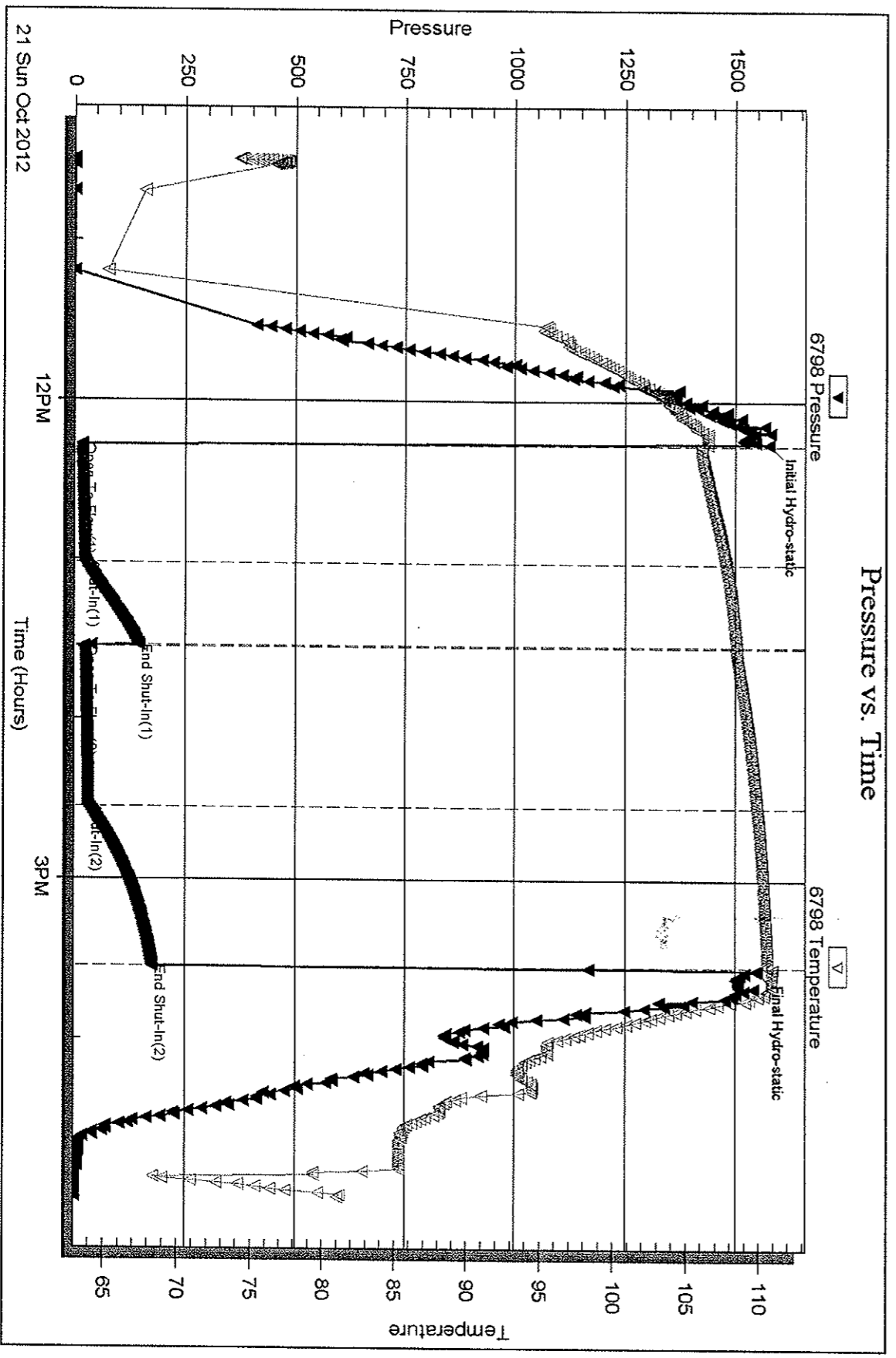
Serial #: 6798

Inside

K & N Petroleum

Moos #A 2

DST Test Number: 1

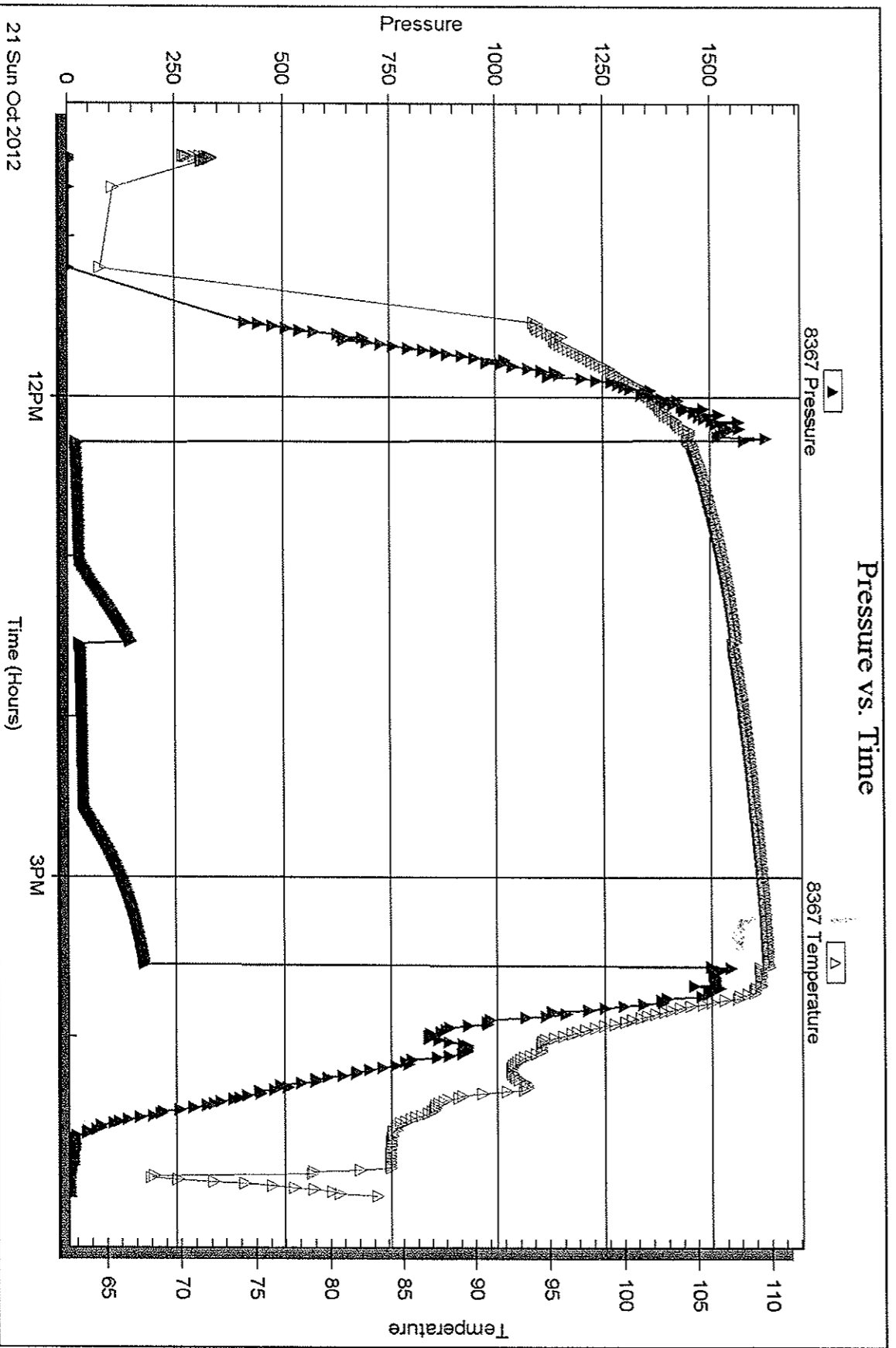


Serial #: 8367

Outside K & N Petroleum

Moos #A 2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **K & N Petroleum**
1105 Walnut
Great Bend, KS 67530

ATTN: Jim Musgrove

Moos #A 2

29-18s-10w Rice,KS

Start Date: 2012.10.22 @ 06:40:30

End Date: 2012.10.22 @ 12:37:15

Job Ticket #: 49692 DST #: 2

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

Printed: 2012.10.23 @ 15:16:53

K & N Petroleum 29-18s-10w Rice,KS Moos #A 2 DST # 2 Arpuckie 2012.10.22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K & N Petroleum
 1105 Walnut
 Great Bend, KS 67530
 ATTN: Jim Musgrove

29-18s-10w Rice, KS
Moos #A 2
 Job Ticket: 49692 DST#: 2
 Test Start: 2012.10.22 @ 06:40:30

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:32:00
 Time Test Ended: 12:37:15

Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 45

Interval: **3180.00 ft (KB) To 3255.00 ft (KB) (TVD)**
 Total Depth: 3255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good

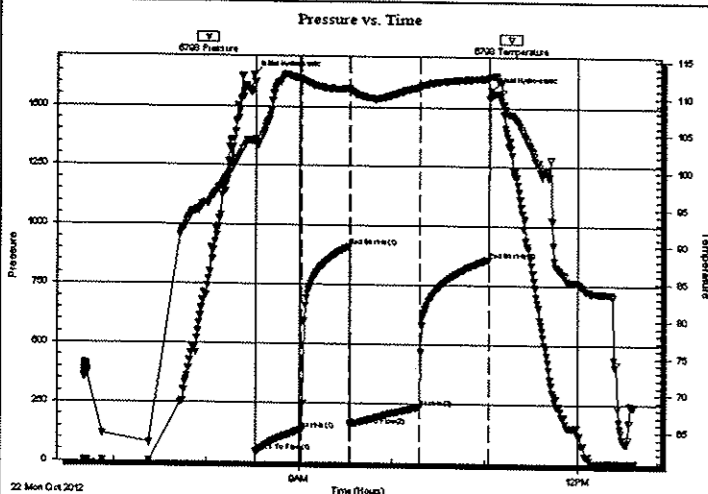
Reference Elevations: 1745.00 ft (KB)
 1738.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6798 Inside

Press@RunDepth: 235.08 psig @ 3181.00 ft (KB)
 Start Date: 2012.10.22 End Date: 2012.10.22
 Start Time: 06:40:31 End Time: 12:37:15

Capacity: 8000.00 psig
 Last Callb.: 2012.10.22
 Time On Btm: 2012.10.22 @ 08:30:45
 Time Off Btm: 2012.10.22 @ 11:03:45

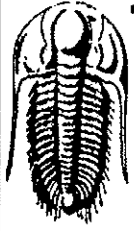
TEST COMMENT: IF: Fair Blow, BOB in 14 minutes
 IS: No Blow Back
 FF: Fair Blow, BOB in 29 minutes
 FS: No Blow Back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.78	104.07	Initial Hydro-static
2	41.75	103.81	Open To Flow (1)
31	137.83	112.40	Shut-In(1)
62	912.19	111.16	End Shut-In(1)
62	156.09	110.91	Open To Flow (2)
107	235.08	111.32	Shut-In(2)
152	861.36	112.60	End Shut-In(2)
153	1572.44	112.87	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
126.00	Gassy MWCO 30%G 5%M 12%W 53%O	1.77
190.00	SOWCM 2%O 10%W 90%M	2.67
199.00	SOCM 10%O 90%M	2.79

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K & N Petroleum

29-18s-10w Rice, KS

1105 Walnut
Great Bend, KS 67530

Moos #A 2

Job Ticket: 49692 DST#: 2

ATTN: Jim Musgrove

Test Start: 2012.10.22 @ 06:40:30

Tool Information

Drill Pipe:	Length: 3189.00 ft	Diameter: 3.80 inches	Volume: 44.73 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 32000.00 lb
		Total Volume: 44.73 bbl		Tool Chased: ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3180.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3165.00	
Hydraulic tool	5.00			3170.00	
Packer	5.00			3175.00	20.00 Bottom Of Top Packer
Packer	5.00			3180.00	
Stubb	1.00			3181.00	
Recorder	0.00	6798	Inside	3181.00	
Recorder	0.00	8367	Outside	3181.00	
Perforations	2.00			3183.00	
Change Over Sub	1.00			3184.00	
Drill Pipe	63.00			3247.00	
Change Over Sub	1.00			3248.00	
Perforations	4.00			3252.00	
Bullnose	3.00			3255.00	75.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



DRILL STEM TEST REPORT **FLUID SUMMARY**

K & N Petroleum **29-18s-10w Rice,KS**
1105 Walnut **Moos #A 2**
Great Bend, KS 67530 Job Ticket: 49692 DST#: 2
ATTN: Jim Musgrove Test Start: 2012.10.22 @ 06:40:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	Gassy MVCO 30%G 5%M 12%W 53%O	1.767
190.00	SOWCM 2%O 10%W 90%M	2.665
199.00	SOCM 10%O 90%M	2.791

Total Length: 515.00 ft Total Volume: 7.223 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

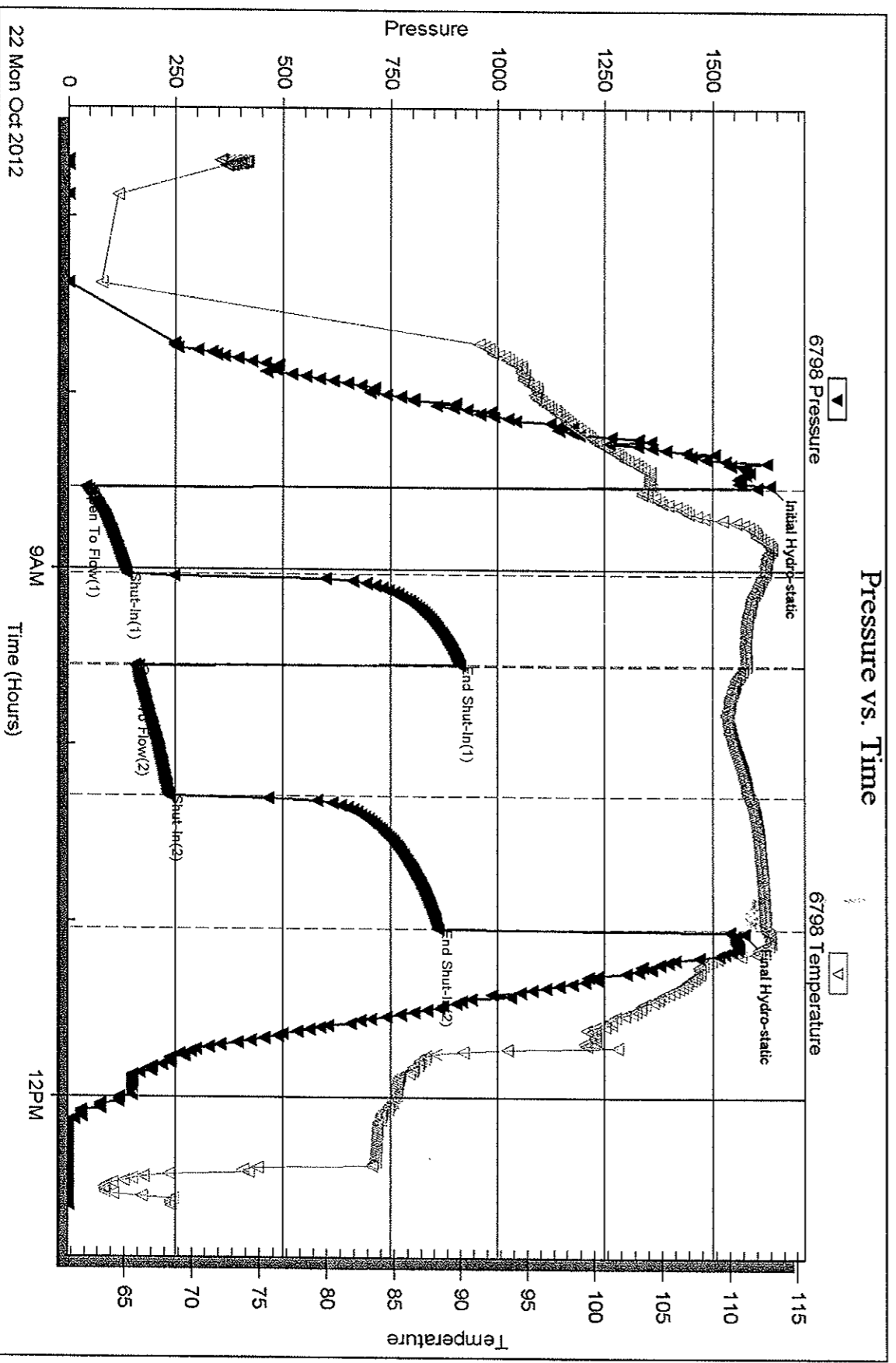
Serial #: 6798

Inside

K & N Petroleum

Moos #A 2

DST Test Number: 2

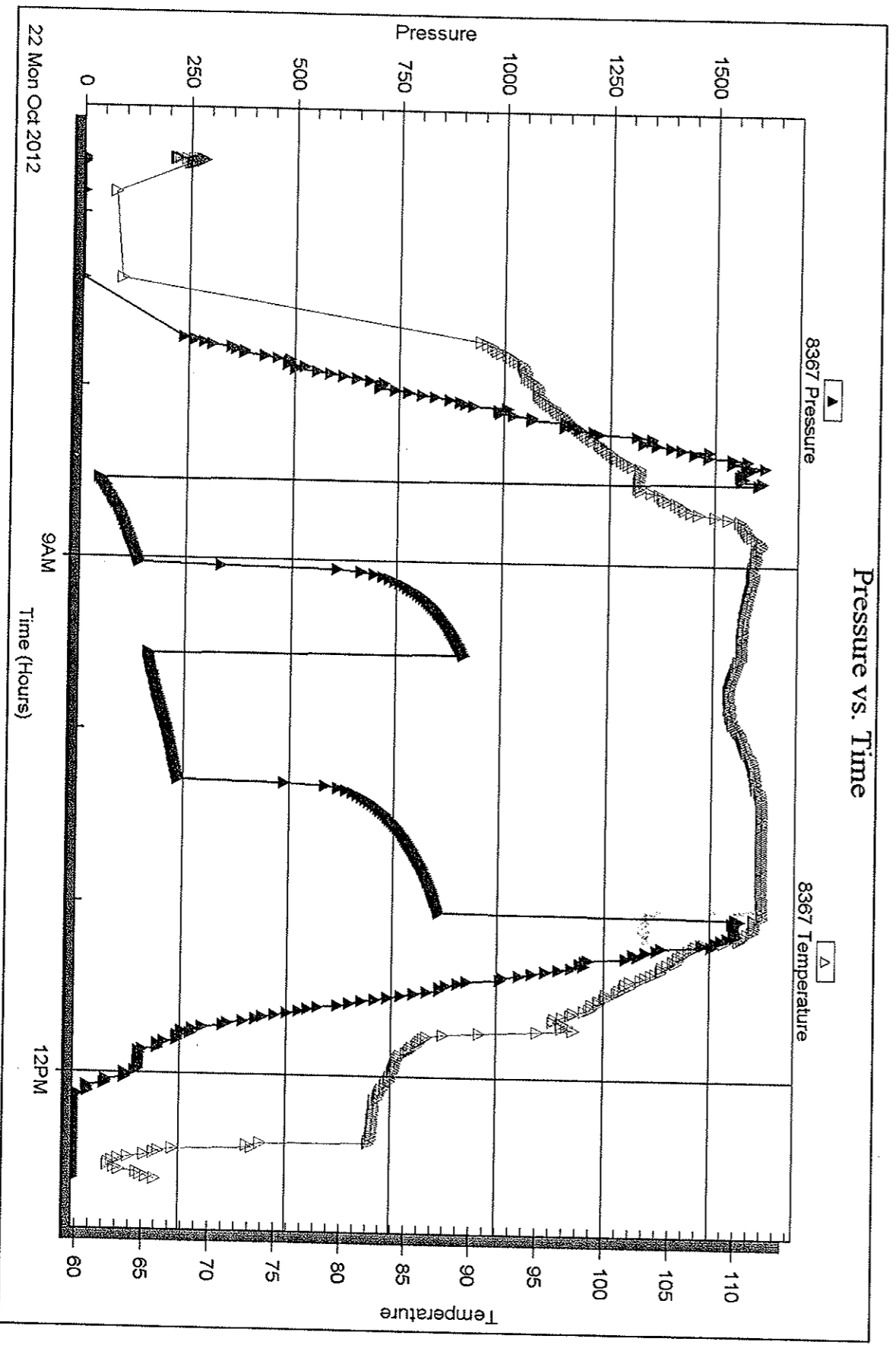


Serial #: 8367

Outside K & N Petroleum

Moos #A 2

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49691

Well Name & No. MOOS A 2 Test No. 1 Date 10/21/12
 Company K+N Petroleum Elevation 1745 KB 1738 GL
 Address 1105 Walnut Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Southwind 4
 Location: Sec. 29 Twp. 18S Rge. 10W Co. Rice State KS

Interval Tested 3126 - 3150 Zone Tested Lansing "K"
 Anchor Length 24 Drill Pipe Run 3126 Mud Wt. 9.5
 Top Packer Depth 3121 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3126 Wt. Pipe Run 0 WL 8.4
 Total Depth 3150 Chlorides 8500 ppm System LCM

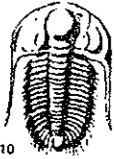
Blow Description IF: weak blow built to 2 inches
DSI: NO BLOW BACK
FF: weak blow built to 1 inch
FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>505M</u>	<u>-1</u>	<u>0</u>	<u>+99</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 110° Gravity N/C API RW N/C @ N/C ° F Chlorides N/C ppm

(A) Initial Hydrostatic <u>1576</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>09:15</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars	T-Started <u>10:29</u>
(C) First Final Flow <u>26</u>	<input type="checkbox"/> Safety Joint	T-Open <u>12:16</u>
(D) Initial Shut-In <u>146</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:32</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:59</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>(150)</u> 232.50	Comments
(G) Final Shut-In <u>176</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1548</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1382.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1382.50</u>	

Approved By [Signature] 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.



TRIBOLITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49692

Well Name & No. MOOS A 2 Test No. 2 Date 10/22/12
 Company K+N Petroleum Elevation 1745 KB 1738 GL
 Address 1105 Walnut Great Bend, KS 67530
 Co. Rep / Geo. Jim Musgrove Rig Southwind 4
 Location: Sec. 29 Twp. 18S Rge. 10W Co. Rice State KS

Interval Tested 3180 - 3255 Zone Tested ARBUCKLE
 Anchor Length 75 Drill Pipe Run 3189 Mud Wt. 9.5
 Top Packer Depth 3175 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 3180 Wt. Pipe Run 0 WL 8.4
 Total Depth 3255 Chlorides 8500 ppm System LCM

Blow Description IF: Fair Blow, BOB in 14 minutes
ISI: No Blow Back
FF: Fair Blow, BOB in 29 minutes
FSI: No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
199	50 CM		10		90
190	50 WCM				
126	Gassy MWCO	30	53	12	5
515	BHT 112°				

Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm
 Test 1150 T-On Location 06:15
 Jars T-Started 06:40
 Safety Joint T-Open 08:32
 Circ Sub T-Pulled 11:02
 Hourly Standby T-Out 12:37
 Mileage 1507 232.50 Comments _____
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1382.50

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

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1382.50
 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]
 Tribolite 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.



TREATMENT REPORT

Acid Stage No.

Date: 10/2/78 District: C.A. F. O. No. CS9179
 Company: Little Petroleum
 Well Name & No.: W-1000-2-C
 Location: _____ Field: _____
 County: Rice State: LS
 Casing: Size: 5 1/2" Type & Wt. 110 lb Set at: _____ ft.
 Formation: Albion Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size: _____ Type & Wt. _____ Top at: _____ ft. Bottom at: _____ ft.
 Cemented: Yes/No. Perforated from: _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at: _____ ft.
 Perforated from: _____ ft. to _____ ft.
 Open Hole Size: _____ T.D. _____ ft. P.B. to: _____ ft.

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks: No. Used: Std. 318 Sp. _____ Twin _____
 Auxiliary Equipment: 371 3K
 Packer: _____ Set at: _____ ft.
 Auxiliary Tools: _____
 Plugging or Sealing Materials: Type _____

Company Representative: Ed N. Treater: Newton L.

TIME (A.M./P.M.)	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
4:30	-	5 1/2"		On location
:				
:				
:				Hole = 3310.
:				3 jts. cut.
:				Pip. = 3300.
:				L.S. = 8' Perforated = 3200
:				3308
:				SI = 13
:				LOGO = 3298.
:				
:				Back circulation w/ mud pump.
:				Circulate 30 min.
:				
:				Pump 600 gal. Mud flush.
:				
:				Plug Rod Hole w/ 800 sts
:				
:				Mix 770 sts 2% urea 2% gel 1% salt
:				3 1/2% CR-2. 5#1 st. gilsonite.
:				
:				Back cut pumps hrs
:				
:				Pillbox w/ 50, 2 lbs. @ 1 1/2 rpm @
:				1000# This loaded @ 1.500#
:				
11:15				Released. Flood Hold.
:				
:				
:				Thank You!
:				Newton L.



TREATMENT REPORT

Acid Stage No.

Date 4/17/68 District C.B. F. O. No. C 7117
 Company W. W. Johnston
 Well Name & No. Maas A-2
 Location _____ Field _____
 County Lee State KS
 Casing: Size 5 7/8 Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No. Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks No. Used: Std. 319 Sp. _____ Twin _____
 Auxiliary Equipment 317/310
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____

Company Representative Ed Treater W. W. Johnston

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
5:45	-	5 7/8		On location
:				
:				
:				HL = 457
:				Flow = 1000
:				1 1/2" 10'
:				total = 457
:				
:				Work - circulation out pump - done
:				Mix 175 cts 7/8" per 6 7/8" out 5 7/8" C.C.
:				Mix 180 cts Common 5 7/8" C.C.
:				
:				Reciprocated out 276.0 lbs @ 4 1/2" min
:				@ 3000# Plus loaded @ 2000#
9:45				Circulated cement to surface
:				
:				
:				Thank you!
:				W. W. Johnston



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 James C. Musgrove
 Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY K&N Petroleum Ins. ELEVATIONS
 LEASE Moos - A' #2 KB 1746
 FIELD ORTH - West DF _____
 LOCATION Ne-SW-7NW-NE (833' FNL 2097' FEL) GL 1738
 SEC 29 TNSP 18^s RGE 10^w Measurements Are All
 COUNTY Rice STATE Kansas FROM -KB-
 CONTRACTOR Southward Drilling Co. (rig #4) CASING 8 5/8" 459'
 START 10/16/12 COMP 10/22/12 PRODUCTION 5 1/2" 11e
 RIG 3310 ID 3312 ELECTRICAL SURVEYS
 MUD UP 2600 TYPE MUD Chemicals displaced By Pioneer Ditz
 CB/C/D, MEL, BHCS

SAMPLES SAVED FROM 2700 TO _____
 DRILLING TIME KEPT FROM 2700 TO _____ RTD
 SAMPLES EXAMINED FROM 2700 TO _____
 GEOLOGICAL SUPERVISION FROM 2900 TO _____
 GEOLOGIST ON WELL Jim Musgrove

FORMATION TOPS	LOG	SAMPLES
anhydrite	490 +1256	
Base anhydrite	504 +1242	
Heebner	2787 -1041	
Toronto	2806 -1060	
Douglas	2820 -1074	
Brown lime	2908 -1162	
Hansburg	2926 -1180	
Base Kansas City	3190 -1444	
Ging Jolmerste	3197 -1451	
Arbuckle	3232 -1486	
RTD	3310 -1564	
LTD	3312 -1566	