



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:
 Yes No

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
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 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> _____	PRODUCTION INTERVAL: _____ _____
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Summary of Changes

Lease Name and Number: Barnett 2

API/Permit #: 15-035-24633-00-00

Doc ID: 1258265

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	07/09/2015	07/17/2015
Date of First or Resumed Production or SWD or Enhr Producing Method Pumping	No	6/9/2015 Yes
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1251559	../../kcc/detail/operatorEditDetail.cfm?docID=1258265



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251559
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL 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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
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 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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DRILL STEM TEST REPORT

Prepared For: **Knighton Oil Co. Inc.**

1700 N. Waterfront Parkway
Bldg. 100, Ste. A
Wichita KS 67206

ATTN: David Montague

Barnett #2

2-31s-3e Cowley KS

Start Date: 2015.04.06 @ 02:07:01

End Date: 2015.04.06 @ 07:43:46

Job Ticket #: 59750 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.04.09 @ 11:22:05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Knighton Oil Co. Inc.

2-31s-3e Cowley KS

1700 N. Waterfront Parkw ay
Bldg. 100,Ste. A
Wichita KS 67206
ATTN: David Montague

Barnett #2

Job Ticket: 59750

DST#: 1

Test Start: 2015.04.06 @ 02:07:01

GENERAL INFORMATION:

Formation: **Bartlesville Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:13:01

Time Test Ended: 07:43:46

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 80

Interval: 2975.00 ft (KB) To 3020.00 ft (KB) (TVD)

Reference Elevations: 1236.00 ft (KB)

Total Depth: 3020.00 ft (KB) (TVD)

1224.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8352 Outside

Press@RunDepth: 21.47 psig @ 2976.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.06

End Date:

2015.04.06

Last Calib.:

2015.04.06

Start Time:

02:07:06

End Time:

07:43:45

Time On Btm:

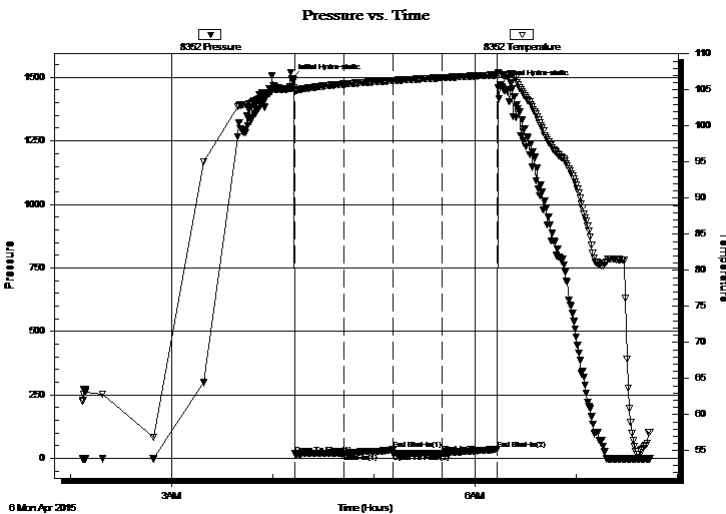
2015.04.06 @ 04:11:16

Time Off Btm:

2015.04.06 @ 06:15:16

TEST COMMENT: IF:Weak blow . 1" decreasing.
IS:No blow .
FF:Weak blow . 1/2" decreasing.
FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1495.19	105.25	Initial Hydro-static
2	18.51	104.92	Open To Flow (1)
31	20.01	105.82	Shut-In(1)
60	34.80	106.32	End Shut-In(1)
61	19.59	106.31	Open To Flow (2)
90	21.47	106.70	Shut-In(2)
122	36.15	107.09	End Shut-In(2)
124	1470.15	107.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / few o specs	0.02
0.00	55 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Knighthon Oil Co. Inc.

2-31s-3e Cowley KS

1700 N. Waterfront Parkw ay
Bldg. 100,Ste. A
Wichita KS 67206
ATTN: David Montague

Barnett #2

Job Ticket: 59750

DST#: 1

Test Start: 2015.04.06 @ 02:07:01

GENERAL INFORMATION:

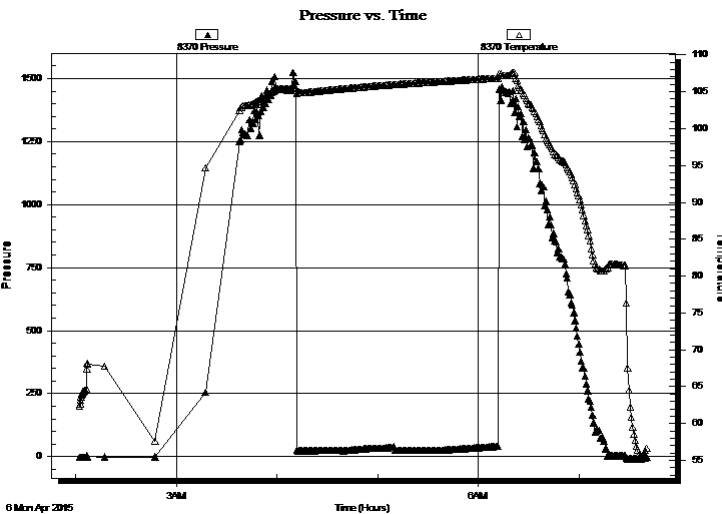
Formation: **Bartlesville Sand**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:13:01 Tester: Gary Pevoteaux
 Time Test Ended: 07:43:46 Unit No: 80
Interval: 2975.00 ft (KB) To 3020.00 ft (KB) (TVD)
 Reference Elevations: 1236.00 ft (KB)
 Total Depth: 3020.00 ft (KB) (TVD) 1224.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 8370

Inside

Press@RunDepth: psig @ 2976.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.06 End Date: 2015.04.06 Last Calib.: 2015.04.06
 Start Time: 02:02:15 End Time: 07:40:24 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak blow . 1" decreasing.
 IS:No blow .
 FF:Weak blow . 1/2" decreasing.
 FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / few o specs	0.02
0.00	55 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Knighton Oil Co. Inc.

2-31s-3e Cowley KS

1700 N. Waterfront Parkway
Bldg. 100, Ste. A
Wichita KS 67206
ATTN: David Montague

Barnett #2

Job Ticket: 59750

DST#: 1

Test Start: 2015.04.06 @ 02:07:01

Tool Information

Drill Pipe:	Length: 2783.00 ft	Diameter: 3.80 inches	Volume: 39.04 bbl	Tool Weight: 2400.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 39.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	2975.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 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
Change Over Sub	1.00			2948.00	
Shut In Tool	5.00			2953.00	
Hydraulic tool	5.00			2958.00	
Jars	5.00			2963.00	
Safety Joint	3.00			2966.00	
Packer	4.00			2970.00	28.00 Bottom Of Top Packer
Packer	5.00			2975.00	
Stubb	1.00			2976.00	
Recorder	0.00	8352	Outside	2976.00	
Recorder	0.00	8370	Inside	2976.00	
Perforations	39.00			3015.00	
Bullnose	5.00			3020.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighton Oil Co. Inc.

2-31s-3e Cowley KS

1700 N. Waterfront Parkway
Bldg. 100, Ste. A
Wichita KS 67206
ATTN: David Montague

Barnett #2

Job Ticket: 59750

DST#: 1

Test Start: 2015.04.06 @ 02:07:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 6.79 in³

Resistivity: 0.00 ohm.m

Salinity: 1000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 1000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / few o specs	0.025
0.00	55 ft. of GIP	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

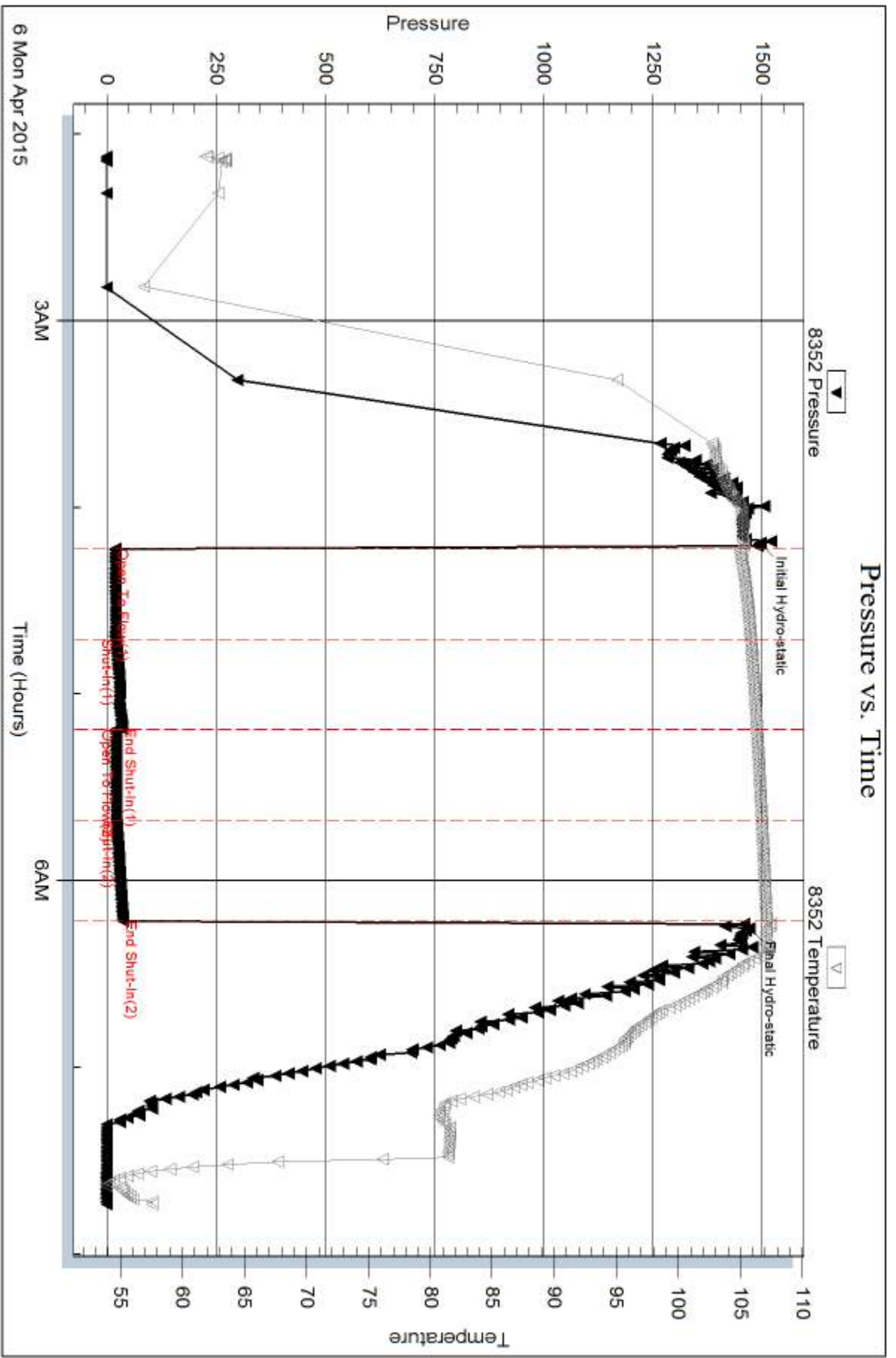
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



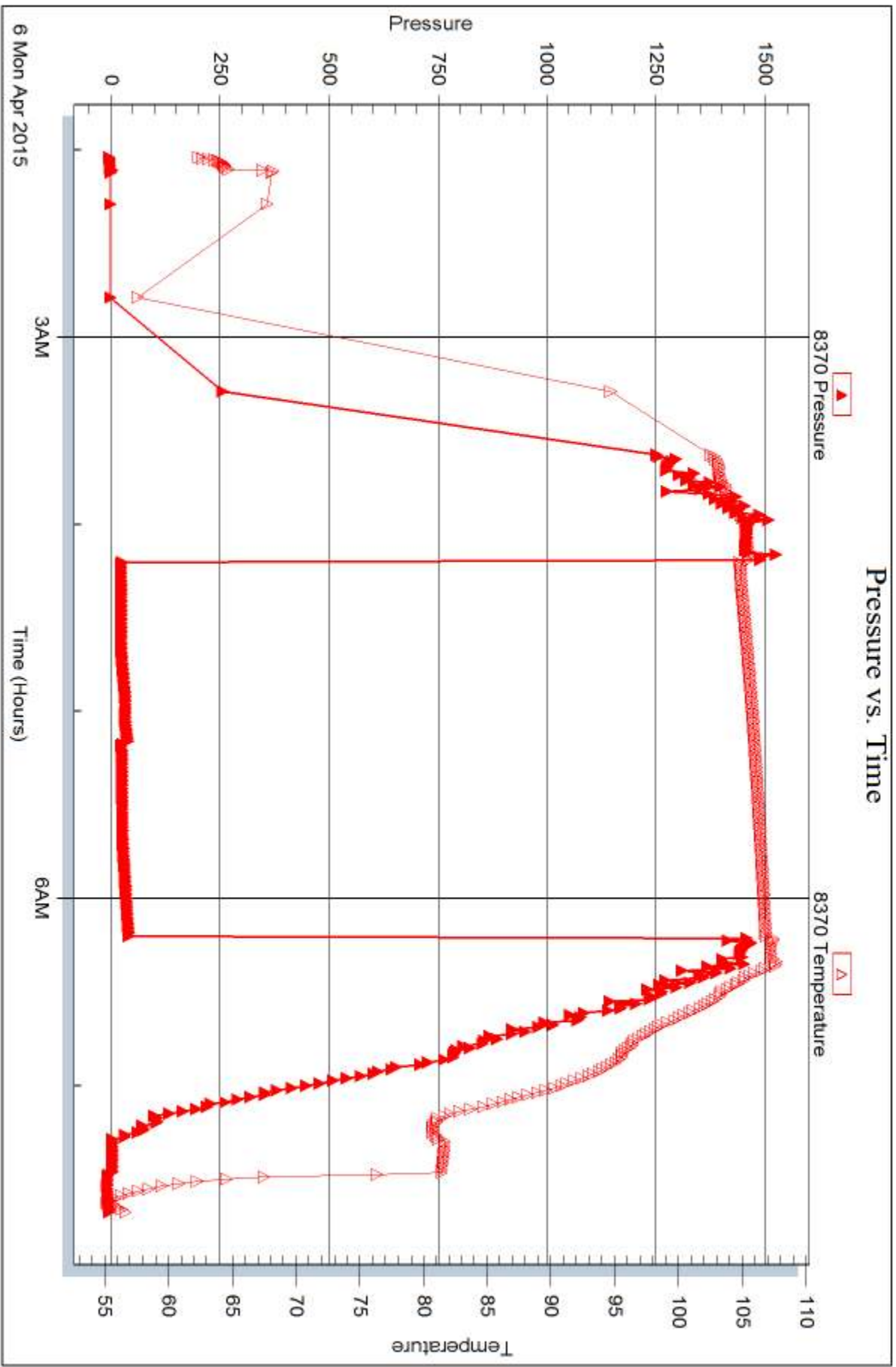
Serial #: 8370

Inside

Knighton Oil Co. Inc.

Barnett #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59750

Printed: 2015.04.09 @ 11:22:07



DRILL STEM TEST REPORT

Prepared For: **Knighton Oil Co. Inc.**

1700 N. Waterfront Parkway
Bldg. 100, Ste. A
Wichita KS 67206

ATTN: David Montague

Barnett #2

2-31s-3e Cowley KS

Start Date: 2015.04.07 @ 18:53:48

End Date: 2015.04.08 @ 02:41:48

Job Ticket #: 59776 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.04.09 @ 11:17:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Knighton Oil Co. Inc.
 1700 N. Waterfront Parkw ay
 Bldg. 100, Ste. A
 Wichita KS 67206
 ATTN: David Montague

2-31s-3e Cowley KS

Barnett #2

Job Ticket: 59776

DST#: 2

Test Start: 2015.04.07 @ 18:53:48

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:19:18
 Time Test Ended: 02:41:48
 Interval: **3268.00 ft (KB) To 3353.00 ft (KB) (TVD)**
 Total Depth: 3353.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 80
 Reference Elevations: 1236.00 ft (KB)
 1224.00 ft (CF)
 KB to GR/CF: 12.00 ft

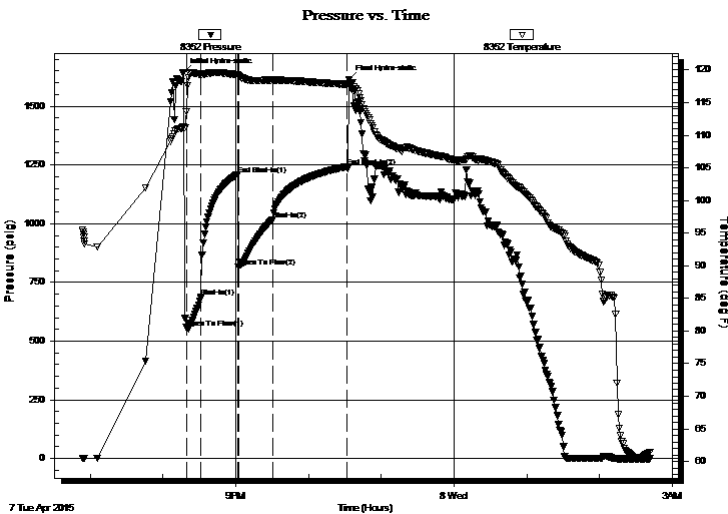
Serial #: 8352

Outside

Press@RunDepth: 1018.09 psig @ 3269.00 ft (KB)
 Start Date: 2015.04.07 End Date: 2015.04.08
 Start Time: 18:53:53 End Time: 02:41:47
 Capacity: 8000.00 psig
 Last Calib.: 2015.04.08
 Time On Btm: 2015.04.07 @ 20:17:03
 Time Off Btm: 2015.04.07 @ 22:33:18

TEST COMMENT: IF: Strong blow . B.O.B. in 20 secs.
 IS: No blow .
 FF: Strong blow . B.O.B. in 1 1/2 mins.
 FS: Weak blow . 1 - 3".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.04	111.28	Initial Hydro-static
3	557.30	113.58	Open To Flow (1)
15	687.56	119.26	Shut-In(1)
45	1209.52	119.28	End Shut-In(1)
46	814.72	119.12	Open To Flow (2)
74	1018.09	118.42	Shut-In(2)
135	1243.10	117.80	End Shut-In(2)
137	1611.90	117.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCO 30%g 22%m 48%o	0.59
120.00	GMCO 22%g 10%m 68%o	1.67
2430.00	CGO 8%g 92%o	34.09

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Knighthon Oil Co. Inc.
1700 N. Waterfront Parkway
Bldg. 100, Ste. A
Wichita KS 67206
ATTN: David Montague

2-31s-3e Cowley KS

Barnett #2

Job Ticket: 59776

DST#: 2

Test Start: 2015.04.07 @ 18:53:48

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:19:18

Time Test Ended: 02:41:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: 3268.00 ft (KB) To 3353.00 ft (KB) (TVD)

Total Depth: 3353.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1236.00 ft (KB)

1224.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8370 **Inside**

Press@RunDepth: psig @ 3269.00 ft (KB)

Start Date: 2015.04.07

End Date:

2015.04.08

Start Time: 18:49:08

End Time:

02:38:17

Capacity: 8000.00 psig

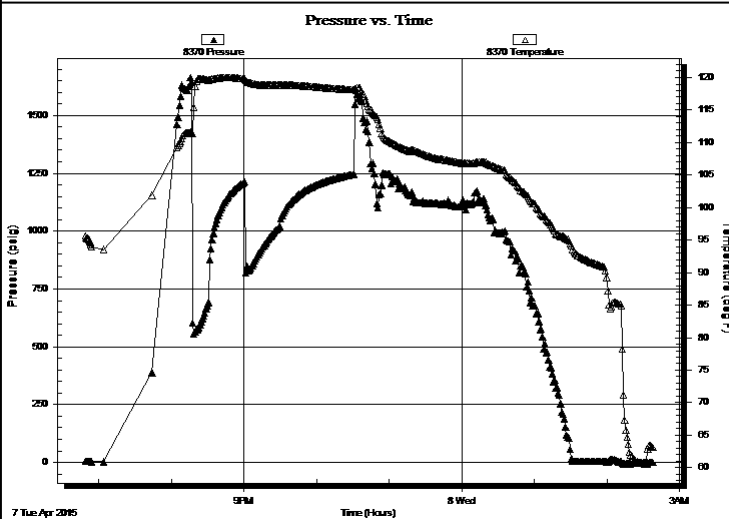
Last Calib.:

2015.04.08

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 20 secs.
IS: No blow .
FF: Strong blow . B.O.B. in 1 1/2 mins.
FS: Weak blow . 1 - 3".



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCO 30%g 22%m 48%o	0.59
120.00	GMCO 22%g 10%m 68%o	1.67
2430.00	CGO 8%g 92%o	34.09

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Knighton Oil Co. Inc.

2-31s-3e Cowley KS

1700 N. Waterfront Parkway
Bldg. 100, Ste. A
Wichita KS 67206
ATTN: David Montague

Barnett #2

Job Ticket: 59776

DST#: 2

Test Start: 2015.04.07 @ 18:53:48

Tool Information

Drill Pipe:	Length: 3129.00 ft	Diameter: 3.80 inches	Volume: 43.89 bbl	Tool Weight: 2400.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 71000.00 lb
			<u>Total Volume: 44.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3268.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	113.00 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			3241.00	
Shut In Tool	5.00			3246.00	
Hydraulic tool	5.00			3251.00	
Jars	5.00			3256.00	
Safety Joint	3.00			3259.00	
Packer	4.00			3263.00	28.00 Bottom Of Top Packer
Packer	5.00			3268.00	
Stubb	1.00			3269.00	
Recorder	0.00	8352	Outside	3269.00	
Recorder	0.00	8370	Inside	3269.00	
Perforations	6.00			3275.00	
Blank Spacing	64.00			3339.00	
Perforations	9.00			3348.00	
Bullnose	5.00			3353.00	85.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighton Oil Co. Inc.

2-31s-3e Cowley KS

1700 N. Waterfront Parkw ay
Bldg. 100, Ste. A
Wichita KS 67206
ATTN: David Montague

Barnett #2

Job Ticket: 59776

DST#: 2

Test Start: 2015.04.07 @ 18:53:48

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 6.39 in³

Resistivity: 0.00 ohm.m

Salinity: 1000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

32.5 deg API

Water Salinity: 1000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GMCO 30%g 22%m 48%o	0.590
120.00	GMCO 22%g 10%m 68%o	1.665
2430.00	CGO 8%g 92%o	34.087

Total Length: 2670.00 ft Total Volume: 36.342 bbl

Num Fluid Samples: 0

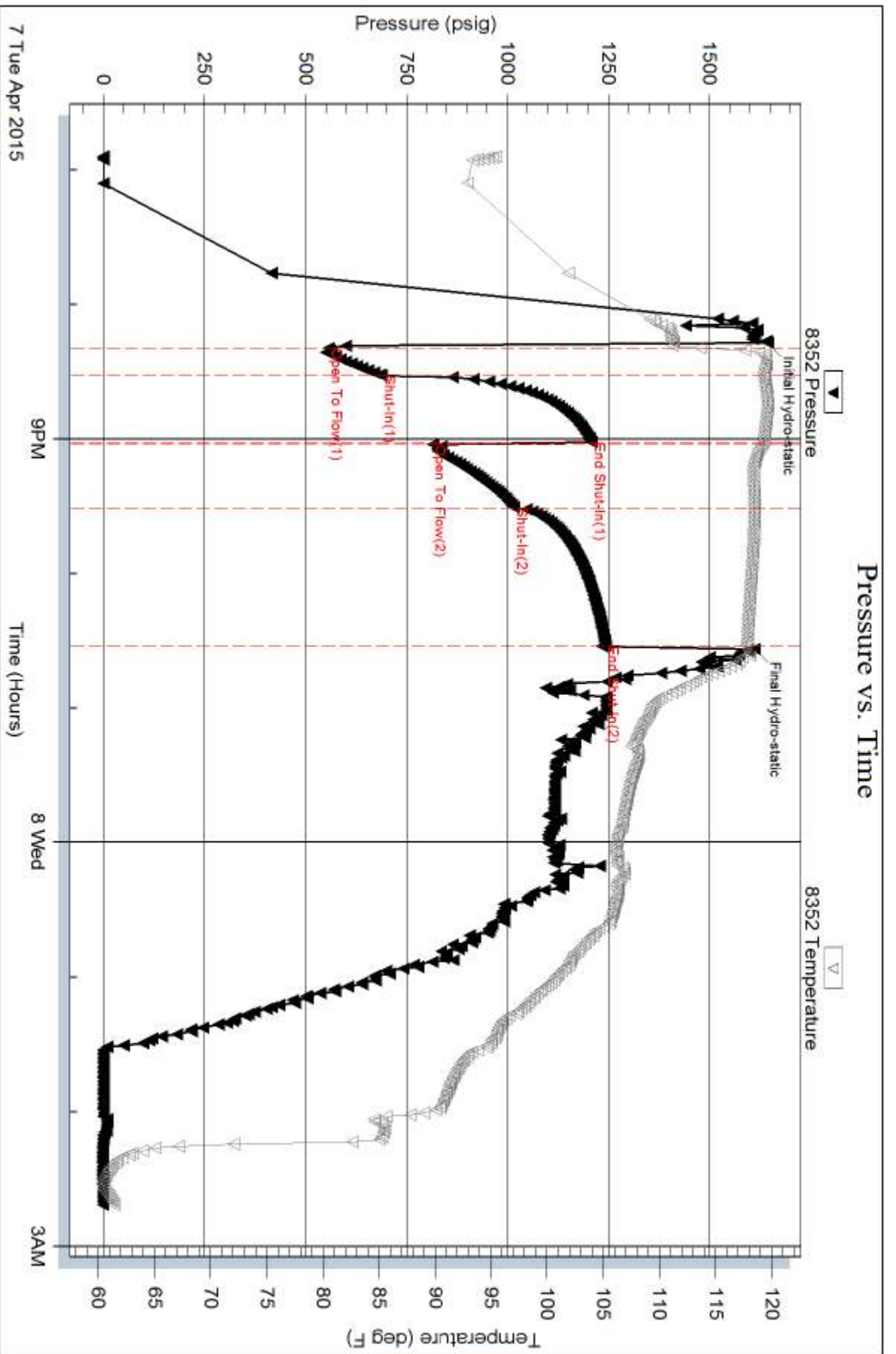
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



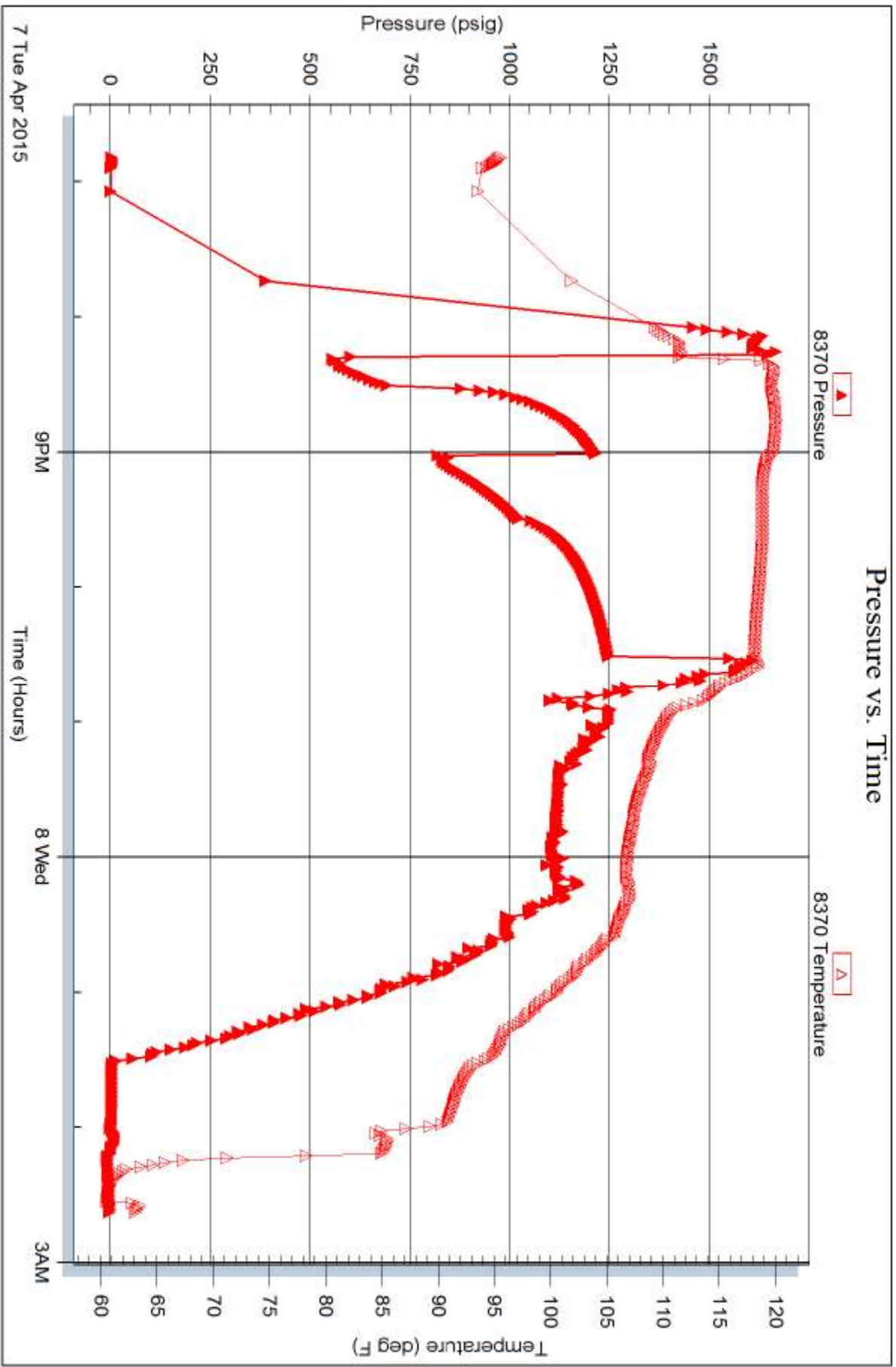
Serial #: 8370

Inside

Knighton Oil Co. Inc.

Barnett #2

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59750

Well Name & No. BARNETT #2 Test No. 1 Date 4-6-15
 Company KNIGHTON OIL CO INC Elevation 1236 KB 1224 GL
 Address 1700 WATERFRONT PKWY. BLDG. 100, STE. A, WICHITA KS. 67206
 Co. Rep / Geo. DAVID MONTAGUE Rig FOSSIL DRILG. #3
 Location: Sec. 2 Twp. 31S Rge. 3E Co. COWLEY State KS

Interval Tested 2975 - 3020' Zone Tested BARTLESVILLE SD.
 Anchor Length 45' Drill Pipe Run 2783 Mud Wt. 9.3
 Top Packer Depth 2970' Drill Collars Run 183 Vis 5.3
 Bottom Packer Depth 2975' Wt. Pipe Run 0 WL 6.8 cc
 Total Depth 3020' Chlorides 1,000 ppm System LCM 3^{FF}
 Blow Description IF: Weak blow. 1" decreasing. ISI: No blow.
FF: Weak blow. 1/2" decreasing. FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/ few specs.</u>				
<u>55</u>	<u>Gas in pipe</u>				

Rec Total 5 Fluid BHT 1070 Gravity N/A API RW NC. @ ~ ° F Chlorides 1,000 ppm

(A) Initial Hydrostatic <u>1495</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0105</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0207</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0413</u>
(D) Initial Shut-In <u>35</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0613</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0743</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>218</u> <u>218</u>	Comments _____
(G) Final Shut-In <u>36</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1470</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</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>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1593</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1593</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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

dave@knightonoil.com

Test Ticket

NO. 59776

Well Name & No. BARNETT #2 Test No. 2 Date 4-7-15
 Company KNEIGHTON OIL CO. INC. Elevation 1236 KB 1234 GL
 Address 1700 N. WATERFRONT PKWY. BLDG. 100, STE. A, WICHITA KS. 67206
 Co. Rep / Geo. DAVID MONTAGUE Rig FOSSIL DRILG. #3
 Location: Sec. 2 Twp. 31S Rge. 3E Co. COWLEY State KS

Interval Tested 3268 - 3353' Zone Tested ARBUCKLE
 Anchor Length 85' Drill Pipe Run 3129 Mud Wt. 9.3
 Top Packer Depth 3263' Drill Collars Run 122 Vis 53
 Bottom Packer Depth 3268' Wt. Pipe Run 0 WL 6.4cc
 Total Depth 3353' Chlorides 1,000 ppm System LCM 3#

Blow Description IF: Strong blow. B.O.B. in 20 secs.
ISI: No blow
FF: Strong blow. B.O.B. in 1 1/2 mins. FSI: Weak blow.
1-3"

Rec	Feet of	%gas	%oil	%water	%mud
2430	CGO	8	92		
120	GMCO	22	68		10
120	GMCO	30	48		22

Rec Total 2670 FLOW BHT 118° Gravity 32.5 API RW N.C.@ ° F Chlorides 1,000 ppm

(A) Initial Hydrostatic <u>1644</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1828</u>
(B) First Initial Flow <u>557</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1853</u>
(C) First Final Flow <u>688</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2019</u>
(D) Initial Shut-In <u>1210</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>2232</u>
(E) Second Initial Flow <u>815</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0241</u>
(F) Second Final Flow <u>1018</u>	<input checked="" type="checkbox"/> Mileage <u>218</u> <u>218</u>	Comments <u>* 2 DAYS IN</u>
(G) Final Shut-In <u>1243</u>	<input type="checkbox"/> Sampler	<u>MOUL</u>
(H) Final Hydrostatic <u>1612</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1643</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1643</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.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box 884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice # 803893

Invoice Date: 04/03/15 Terms: C.O.D. Page 1

KNIGHTON OIL CO
1700 N. WATERFRONT PKWY
BUILDING 100, SUITE A
WICHITA KS 67206
USA
3166309905

BARNETT #2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401S	Cement Pump Truck - Surface	1.000	870.0000	0.000	870.00
5406	Mileage Charge	20.000	4.2000	0.000	84.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	0.000	368.00
1104S	Class A Cement	140.000	15.7000	30.000	1,538.60
1118B	Premium Gel / Bentonite	300.000	0.2200	30.000	46.20
1107	Flo-Seal	35.000	0.0000	0.000	0.00
1102	Calcium Chloride (50#)	350.000	0.7800	30.000	191.10
Subtotal					3,859.00
Discounted Amount					761.10
SubTotal After Discount					3,097.90
Amount Due 4,021.37 If paid after 04/03/15					
Tax:					113.66
Total:					3,211.56

Barnett
Cement Surface

PAID
APR 22 2015



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

JM 2525
FT 2460

INVOICE # 803893

TICKET NUMBER 48366
LOCATION 180
FOREMAN Jacob Storm

FIELD TICKET & TREATMENT REPORT

CEMENT Ap: 15-035-24633-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-1-15	4495	Barnett #2	2	31	3E	Cowley
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Knighton oil			446	Josh		
MAILING ADDRESS			681	Steven		
1700 N waterfront Parkway Bldg 100			702	Jacob		
CITY	STATE	ZIP CODE				
Wichita	KS	67206				

JOB TYPE Surface B HOLE SIZE 12 1/4 HOLE DEPTH 310 CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 309 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14 lb SLURRY VOL 33.91 WATER gal/sk _____ CEMENT LEFT in CASING 10 ft
 DISPLACEMENT 19 bbl DISPLACEMENT PSI 300 MIX PSI 300 RATE 6.3 bpm

REMARKS: Softly meeting, Break circulation, pump 10 bbl fresh water mix 140 sls class A 3/4cc 2/gel 1/2 lb poly-flake, displace with 19 bbl water circulating cement to surface. Shut in head.
Job complete.

circulated 2 bbl slurry to pit

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870.00	870.00
5406	20	MILEAGE	4.20	84.00
5402	1	min bulk delivery	368.00	368.00
11045	140	class A	15.70	2198.00
111813	300	gel	.22	66.00
1107	35	poly-flake	2.47	NIC
1102	350	Calcium chloride	.78	273.00
			Subtotal	3775.81
			30% Discount materials	-761.10
			Subtotal	3014.71
			6.4 SALES TAX	113.66
			ESTIMATED TOTAL	3211.56

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box 884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

803926

Invoice Date: 04/09/15

Terms: C.O.D.

Page 1

KNIGHTON OIL CO

1700 N. WATERFRONT PKWY
BUILDING 100, SUITE A
WICHITA KS 67206
USA
3166309905

BARNETT #2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	0.000	1,085.00
5406	Mileage Charge	20.000	4.2000	0.000	84.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	0.000	368.00
5402	Casing Footage	900.000	0.2300	0.000	207.00
5502C	80 Vacuum Truck Cement	4.000	90.0000	0.000	360.00
1123	City Water	3.500	0.0000	0.000	0.00
1104S	Class A Cement	200.000	15.7000	30.000	2,198.00
1118B	Premium Gel / Bentonite	600.000	0.2200	30.000	92.40
1102	Calcium Chloride (50#)	320.000	0.7800	30.000	174.72
1110A	Kol Seal (50# BAG)	1,000.000	0.4600	30.000	322.00
1144G	Mud Flush	500.000	0.0000	0.000	0.00
4253	Type A Packer Shoe 6 1/2 x 6 3/4 (5 1/2)	1.000	1,663.0000	0.000	1,663.00
4454	5 1/2 Latch Down Plug	1.000	266.7500	0.000	266.75
4104	Cement Basket 5 1/2	2.000	240.0000	0.000	480.00

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7554

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-8822

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914

CUSHING, OK
918/225-2650



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box 884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

803926

Invoice Date: 04/09/15

Terms: C.O.D.

Page 2

KNIGHTON OIL CO

1700 N. WATERFRONT PKWY
BUILDING 100, SUITE A
WICHITA KS 67206
USA
3166309905

BARNETT #2

Tax: 348.76

Total: 7,902.13

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7554

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-8822

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914

CUSHING, OK
918/225-2650



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

Ln 2605
FT 2533

INVOICE # 803926

TICKET NUMBER 45871
LOCATION Ch Dando
FOREMAN Fuzz Y

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-8-15	4495	Barnett # 2	2	31	3	Cowley
CUSTOMER Knighton Oil Co.			UDALL			
MAILING ADDRESS 1700 W. Main Street, P.O. Box 100			26			
CITY Wichita			RD 41			
STATE KS			150th			
ZIP CODE 67206			S.W.			
TRUCK #	DRIVER	TRUCK #	DRIVER			
603	Tracy					
611	Dustin					
692	MARK					

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH 3353' CASING SIZE & WEIGHT 5 1/2 - 14 #
 CASING DEPTH 3348' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2 SLURRY VOL 55.2 WATER gal/sk _____ CEMENT LEFT in CASING 20.50
 DISPLACEMENT 81.1 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Fossil #3. Float equip Cont - #1.4-7-13-17
 Baskets #10-25 Rig up and circulate 45 min. Set Packer shoe @
 1800'. Pump 5 BBL water, 500gal mud slush, 5 BBL water. Mix 30%
 RH, 20% MS. Mix 150% class 'A' 4% gel, 2% gel w/5%
 Kalscal per sk. Wash pump and lines. Drop plug and displace
 82 BBL 750' lift land plug @ 1250'. Float held.

Thanks
Fuzz Y & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406	20	MILEAGE	42.00	840.00
5407	9.4 tow	Tow mileage (mix)	1.41	368.00
5402	900'	Casing footage	.23	207.00
5502	4	80 BBL UAC Truck	90.00	360.00
1123	3 1/2	City water	17.30	N/C
1104	200 SKS	CLASS 'A'	15.20	3140.00
1183	600*	Gel	.22	132.00
1102	320*	Calcium chloride	.78	249.60
110A	1000*	Kalscal	.46	460.00
1146	500gal	mud slush	1.10	N/C
4253	1	5 1/2 - Type A Packer Shoe	1663.00	1663.00
4454	1	5 1/2 - Hatchback assy	266.75	266.75
4104	2	5 1/2 - Baskets (w)	240.00	480.00
4130	5	5 1/2 - Centralizers	50.50	252.50
		subtotal		8747.85
		discount		1194.48
		subtotal		7553.37
		6.4 SALES TAX		348.76
		ESTIMATED TOTAL		7902.13

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form C-5
January 2011

PRODUCTION TEST & GOR REPORT

IMPORTANT: This form is intended to convey information pertinent to a single well, not an entire lease.
In so far as possible, while testing the well, production of both oil and natural gas shall be held within assigned daily allowable limits.

TYPE TEST: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Workover <input type="checkbox"/> Reclassification		TEST DATE: 6-25-2015
Company: KNIGHTON OIL COMPANY, INC.		Lease: BARNETT Well No.: 2
County: COWLEY	Location: NE NE NW SW	Sec. 2 Twp. 31 R. 3 <input checked="" type="checkbox"/> East <input type="checkbox"/> West Acres: 240
API Well No.: 15-035-24633-00-00	Reservoir(s): Arbuckle	Gas Pipeline Connection:
Completion Date: 6/9/2015	Liquid to Surface Thru (Describe): TUBING	Plug Back T.D.: Packer Set At:
Lifting Method: <input type="checkbox"/> None <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> ESP	Type Liquid: OIL & SALT WATER	API Gravity of Liquid / Oil:
Casing Diameter: 5.50	Weight: 14	I.D.: 4.892 Set At: 3351 Perforations: open hole To: 3353
Tubing Diameter: 2.8750	Weight: 6.50	I.D.: 2.441 Set At: 3274 Perforations: To:

Pretest	Starting Date:	Time:	<input type="checkbox"/> AM / <input type="checkbox"/> PM	Ending Date:	Time:	<input type="checkbox"/> AM / <input type="checkbox"/> PM
Test	Starting Date: 6-25-2015	Time: 8:30	<input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM	Ending Date: 6-26-2015	Time: 8:30	<input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM

OIL PRODUCTION OBSERVED DATA

Bbls./In.	Producing Wellhead Pressure		Separator Pressure			Choke Size				
	Casing: Psig	Tubing: Psig	Psig			Choke Size				
	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test 1:	200	1	2	6.25	50.52	3	7.25	72.23		21.71
Test 2:		2	0	0	0	0	0	0		0

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Location				Check one: <input type="checkbox"/> Downstream of Separator <input type="checkbox"/> At Wellhead			
Check one: <input type="checkbox"/> Pipe Taps <input type="checkbox"/> Flange Taps			Ranges > Differential: Inches				Static Pressure: Inches / psi			
Type Measuring Device	Sales Line Entry Size (Inches)	Orifice Size	Meter - Prover - Tester Pressure			%CO ₂	H ₂ Sppm	Diff. Pressure (H _w or H _s)	Gas Gravity (G _s)	Flow Temp. (t)
			In. Water	In. Merc.	Psig or (P _s)					
Orifice Meter										
Critical Flow Prover										
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Plate Coeff. MCFD (F _p) (F _p)	Meter - Prover Press. (P _{sia}) (P _s)	Press Extension $\sqrt{h_w \times P_s}$	Gravity Factor (F _g)	Choke Setting	Flowing Temp. Factor (F _t)	Deviation Factor (F _v)	Sqr. Rt. Chart Factor (F _c)
Trial 1:							
Trial 2:							

Gas Prod. MCF Flow Rate (R): _____ Oil Prod. Bbls / Day: _____ Gas / Oil Ratio (GOR): _____ Cubic Feet per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that every aspect of said report is true and correct. Executed this the 1st day of July, 2015.

For Offset Operator

For Commission

For Company

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202