



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1083091  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

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: \_\_\_\_\_

1083091

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

## DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: **Discovery Drilling Co., Inc. LIC#31548**  
370 West Wichita Avenue - P.O. Box 352 PO Box 763  
Russell, KS 67601 Hays, KS 67601

Lease: Norris "A" # 1 Location: SE-NW-NE-SE  
Section 12/ 4S/ 19W  
Phillips Co., KS

Loggers Total Depth: 3481' API#15- 147-20,674-00-00  
Rotary Total Depth: 3487' Elevation: 1984 GL / 1992 KB  
Commenced: 5/4/2012 Completed: 5/ 7/2012  
Casing: 8 5/8" @ 225.51'W/150sks Status: D & A

### DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1589'</u>
Dakota Sand	<u>886'</u>	Shale & Lime	<u>1942'</u>
Shale	<u>952'</u>	Shale	<u>2272'</u>
Cedar Hill Sand	<u>1083'</u>	Shale & Lime	<u>2660'</u>
Red Bed Shale	<u>1281'</u>	Lime & Shale	<u>3038'</u>
Anhydrite	<u>1560'</u>	RTD	<u>3487'</u>
Base Anhydrite	<u>1589'</u>		

STATE OF KANSAS )  
) ss  
COUNTY OF ELLIS )

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

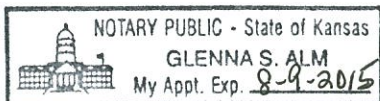
\_\_\_\_\_  
Thomas H. Alm

Subscribed and sworn to before me on 5-10-12

My Commission expires: 8-9-2015

(Place stamp or seal below)

\_\_\_\_\_  
Notary Public



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 951

Date	5-2-12	Sec.	12	Twp.	4	Range	19	County	Phillips	State	Kansas	On Location		Finish	5:45 PM
Lease	Norris A	Well No.	1		Location		Speed 2N 1E Ninto								
Contractor	Discovery Drilling Rig 1							Owner							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		T.D.		225		Charge To								
Csg.	8 1/2 23lb		Depth		225		J.O. Farmer								
Tbg. Size			Depth		Street										
Tool			Depth				City		State						
Cement Left in Csg.	10-15		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line			Displace		13 1/2 Bbl		Cement Amount Ordered		150 Common						

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Steve	Common	150
			Helper			
Bulktrk	10	No.	Driver	Brett	Poz. Mix	
			Driver			
Bulktrk		No.	Driver	Levy	Gel.	3
			Driver			

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand

*Cement did Circulate*

Handling *158*  
Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	<i>SWABE</i>

Pumptrk Charge *Surface*  
Mileage *64*

*[Handwritten Signature]*

X Signature *[Handwritten Signature]*

Tax	
Discount	
Total Charge	

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 348

Date	57-12	Sec.	12	Twp.	4	Range	19	County	Phillips	State	KS	On Location		Finish	10:00pm
Lease	Norris A	Well No.	1	Location Speed 20 IE into											
Contractor	Discovery #1							Owner							
Type Job	Rotary Plug							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8			T.D. 3487											
Csg.								Charge To J.O. Farmer							
Tbg. Size								Street							
Tool								City State							
Cement Left in Csg.								The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line								Displace Cement Amount Ordered 220 60/40 40/40 40/40 40/40							

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Craig	Common	132
			Helper			
Bulktrk		No.	Driver	Brett	Poz. Mix	88
			Driver			
Bulktrk	8	No.	Driver	Lonnie	Gel.	8
			Driver			

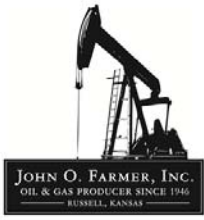
**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole 30	Hulls
Mouse Hole 15	Salt
Centralizers	Flowseal 50#
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
1st 157.5 255K	CFL-117 or CD110 CAF 38
2nd 936 1005K	Sand
3rd 275 405K	Handling 228
4th 40' 105K	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	8 5/8 w/c Plug
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	plug
Mileage	64

X Signature	Chf. Mayfield	Tax	
		Discount	
		Total Charge	



# AUSTIN B. KLAUS



**Cell 785.650.3629**  
**Work 785.483.3145**  
**Ext 225**

**PO BOX 352**  
**Russell, KS 67665**  
**austin.klaus@johnofarmer.com**

**Scale 1:240 (5"=100') Imperial**  
**Measured Depth Log**

**Well Name:** Norris A #1  
**Location:** Sec. 12 T4S R19W  
**License Number:** API #15-147-20,674-00-00  
**Spud Date:** 5/2/2012  
**Surface Coordinates:** 2030' FSL & 930' FEL

**Region:** Kansas  
**Drilling Completed:** 5/8/2012

**Bottom Hole Vertical well with minimal deviation, same as above**  
**Coordinates:**  
**Ground Elevation (ft):** 1,984' **K.B. Elevation (ft):** 1,992'  
**Logged Interval (ft):** 2,900' **To:** RTD **Total Depth (ft):** RTD: 3,487' **LTD:** 3,481'  
**Formation:** Topeka-LKC  
**Type of Drilling Fluid:** Chemical (Andy's Mud Co.)

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

**Company:** John O. Farmer, Inc.  
**Address:** P.O. Box 352  
Russell, KS 67665-0352

## COMMENTS

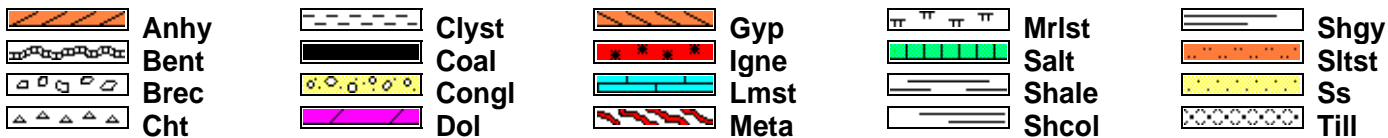
The Norris A #1 well was drilled by Discovery Drilling Rig #1 (Tool pusher: Cliff Mayfield).

The location for the Norris A #1 was found via 3-D seismic survey. Based on the results of the three drill stem tests that were conducted, and the open hole logs and samples that were evaluated, the decision was made to plug and abandon the Norris A #1 well on 5/8/2012.

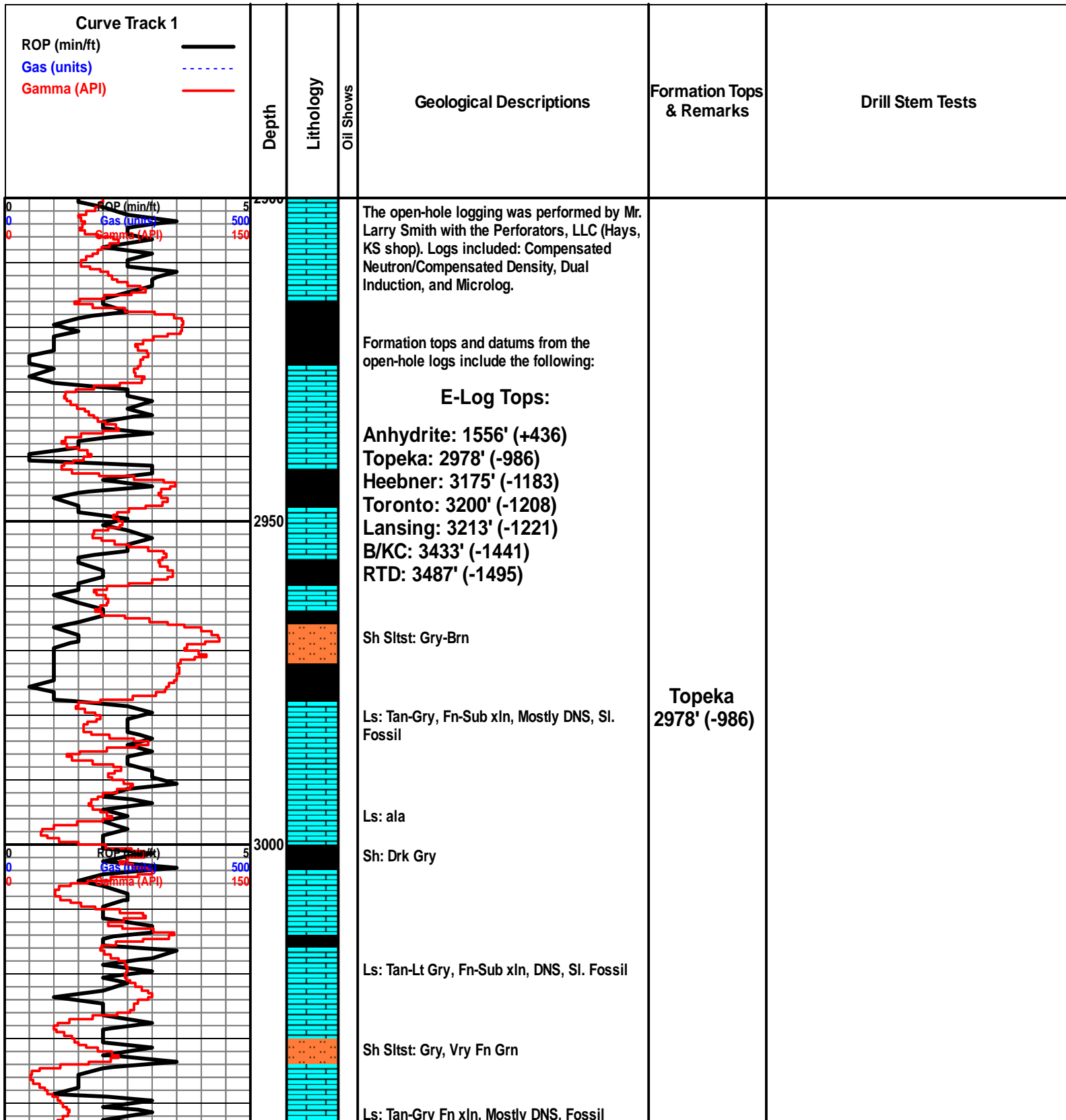
Respectfully submitted,

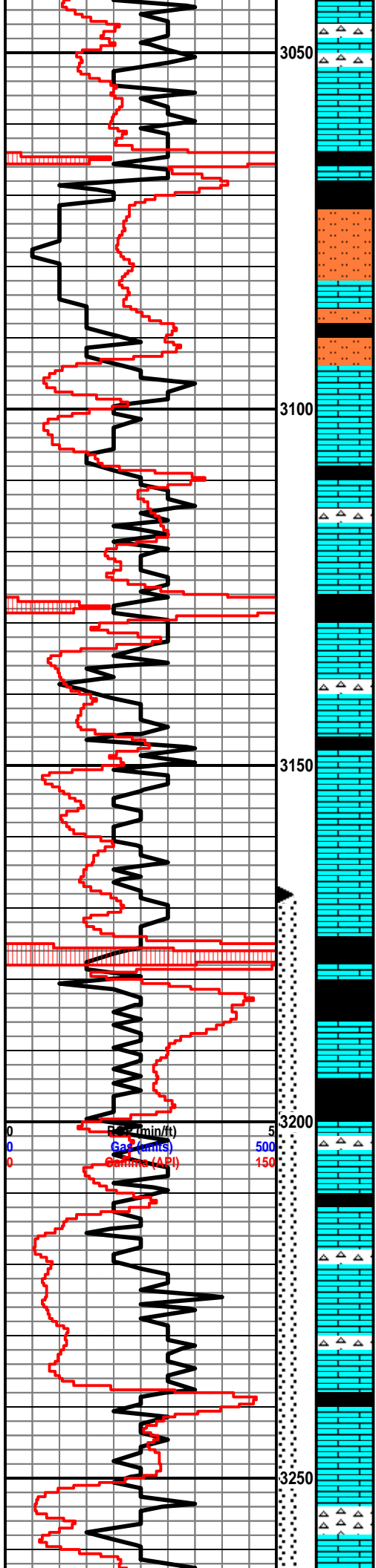
Austin Klaus  
Petroleum Geologist  
John O. Farmer, Inc.

**ROCK TYPES**



**OTHER SYMBOLS**





Ls: ala, Hvy Chert, Off Wh.

Ls: ala  
Sh: Drk Gry

Sh Slst: Gry-Grn

Sh: Gry-Brn, Soft

Ls: Off Wh-Tan, Fn-Sub xIn, Sl. Fossil

Ls: ala, Sl. Chert, Off Wh

Sh: Gry-Brn, Soft

Ls: Off Wh.-Tan-Lt Gry, Fn-Sub xIn, Mostly DNS, Sl. Fossil, Sl. Chert, Off Wh.

Ls: ala

Ls: ala

Sh: Blk, Carb, Fissile

Sh: Drk Gry

Ls: Off Wh.-Lt Gry, Fn xIn, Mostly DNS, Sl. Fossil, Sl. Chert, Off Wh.

Sh: Drk Gry-Brn

Ls: Off Wh.-Tan, Fn xIn, Fossil, Sl. Chert Off Wh.

Ls: Off Wh.-Tan, Fn xIn, DNS, Chert, Off Wh, Sl. Chalk

Sh: Gry-Brn

Ls: Off Wh.-Tan, Fn xIn, Mostly DNS, Sl. Chert, Off Wh. Sl. Chalky

**Heebner**  
3176'(-1184)

**Toronto**  
3200'(-1208)  
**Lansing**  
3216'(-1224)

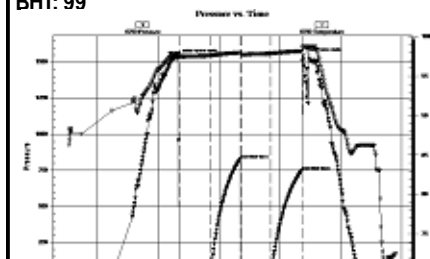
**DST #1: 3,168'-3,284'**  
**Toronto-LKC D**  
**30"-30"-30"-30"**

'A'

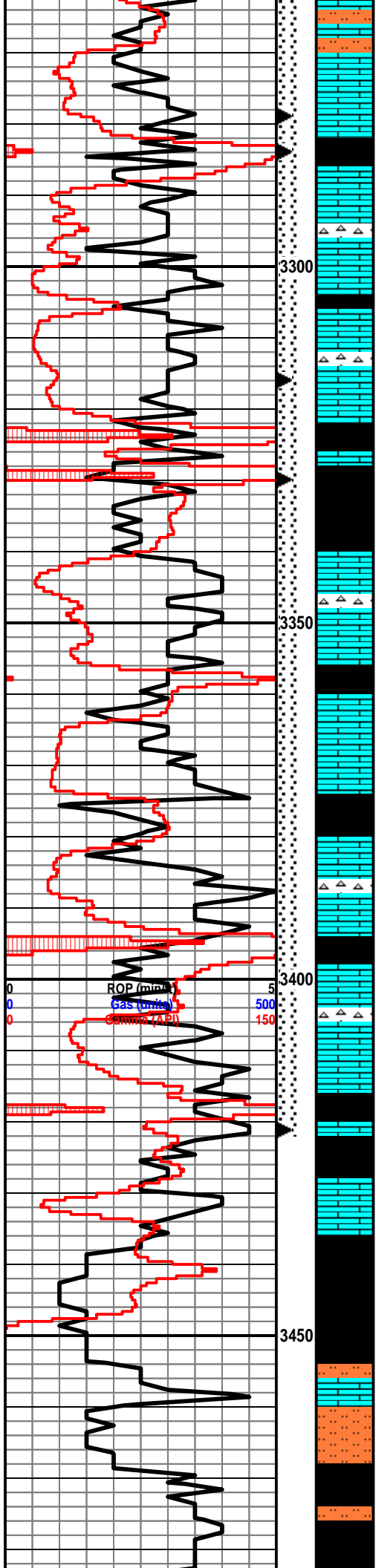
'B'

'C'

IF: weak surface blow  
FF: no blow  
Rec: 60' Mud  
FP: 40-41,43-49#  
SIP: 825-747#  
HP: 1,533-1,541#  
BHT: 99







Sh Slstst: Gry-Brn, Vry Fn Grn

Ls: Off Wh.-Tan, Fn xln, w/ Poor Interpart. porosity, Sl. Oil St. NSFO, No Odor

Sh: Drk Gry-Brn

Ls: Off Wh. Fn. xln, Mostly DNS, Sl. Fossil, Sl. Chert

3300

Sh: Drk Gry-Brn

Ls: Off Wh.-Lt Gry, Fn-Sub xln, Mostly DNS, Chert, Off Wh. Sl. Fossil, Sl. Chalky

Sh: Drk Gry-Blk-Grn

Sh: ala

Ls: Off Wh.-Lt Gry, Fn-Sub xln, Mostly DNS, Chert, Off Wh.

3350

Sh: Gry-Brn-Grn

Ls: Off Wh.-Tan, Fn-Sub xln w/ Scat Pinpoint & Poor Int xln porosity, Sl. Oil St. in porosity, Sl. Odor

Sh: Gry-Brn

Ls: Off Wh.-Tan, Fn xln, w/ poor Int xln porosity, Sl. oil St. in porosity, Sl. Odor, Sl. Chert, Off Wh.

Sh: Drk Gry-Blk

Ls: Off Wh.-Tan, Fn-Sub xln, Sl. Fossil, Sl. Chert, Off Wh.

3400

Sh: Lt Gry-Brn, Soft

Ls: Off Wh.-Tan, Fn-Sub xln, Mostly DNS, Sl. Chert, Off Wh.

Sh: Gry-Brn, Vry Soft

Sh: Gry-Brn-Grn, Soft

3450

Ls: Tan-Lt Gry, Fn-Sub xln, Mostly DNS, Sl. Fossil

Sh Slstst: Gry-Brn-Grn

Sh Slstst: ala

'D'

DST #2: 3,279'-3,330'

LKC E-G

'E'

30"-30"-30"-30"

IF: weak surface blow that died

FF: no blow

Rec: 50' Mud

FP: 38-38, 39-40#

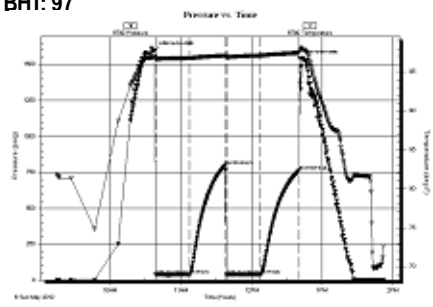
SIP: 799-762#

HP: 1,602-1,543#

BHT: 97

'F'

'G'



'H'

DST #3: 3,316'-3,421'

LKC H-K

30"-30"-30"-30"

IF: weak surface blow, built to .75"

FF: no blow

Rec: 10' Mud with oil spots

FP: 20-23, 23-27#

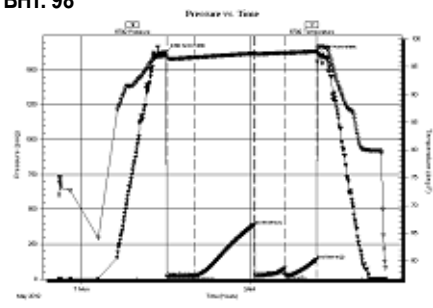
SIP: 385-141#

HP: 1,626-1,618#

BHT: 98

'I'

'J'



'K'

'L'

B/KC

3438'(-1446)





## DRILL STEM TEST REPORT

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

370 W Wichita Ave.  
Russell, KS 67665

ATTN: Austin Klaus

### **Norris A #1**

### **12-4s-19w Phillips,KS**

Start Date: 2012.05.05 @ 19:32:00

End Date: 2012.05.06 @ 00:53:45

Job Ticket #: 42492                      DST #: 1

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

Printed: 2012.05.17 @ 14:46:29

John O. Farmer, Inc.  
12-4s-19w Phillips,KS  
Norris A #1  
DST # 1  
Toronto - LKC "D"  
2012.05.05



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

John O. Farmer, Inc.  
370 W Wichita Ave.  
Russell, KS 67665  
ATTN: Austin Klaus

**12-4s-19w Phillips,KS**

**Norris A #1**

Job Ticket: 42492

**DST#: 1**

Test Start: 2012.05.05 @ 19:32:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC "D"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:20:45  
 Time Test Ended: 00:53:45  
 Interval: **3168.00 ft (KB) To 3284.00 ft (KB) (TVD)**  
 Total Depth: 3284.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 43  
 Reference Elevations: 1992.00 ft (KB)  
 1984.00 ft (CF)  
 KB to GR/CF: 8.00 ft

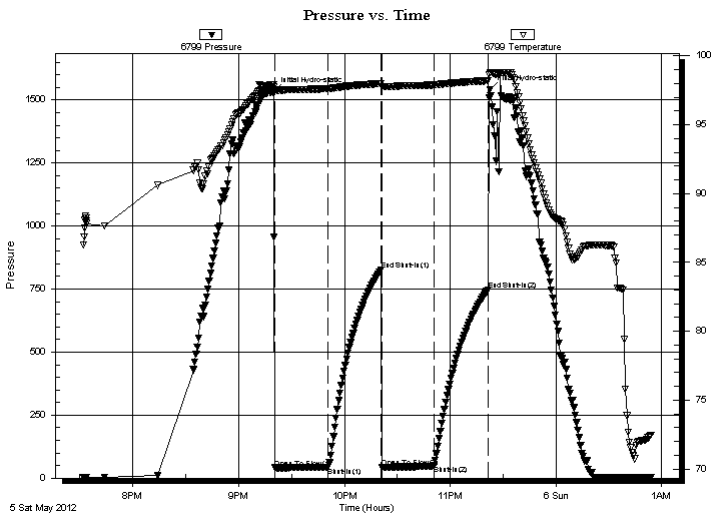
## Serial #: 6799

Inside

Press @ Run Depth: 49.53 psig @ 3169.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.05.05 End Date: 2012.05.06 Last Calib.: 2012.05.06  
 Start Time: 19:32:05 End Time: 00:53:44 Time On Btm: 2012.05.05 @ 21:19:45  
 Time Off Btm: 2012.05.05 @ 23:22:45

TEST COMMENT: 30 - IF- Bled off initial surge. Weak surface blow did not build or die.  
 30 - IS- No Return  
 30 - FF- No Blow  
 30 - FS- No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.68	97.92	Initial Hydro-static
1	40.21	97.51	Open To Flow (1)
31	41.81	97.62	Shut-In(1)
61	825.38	97.99	End Shut-In(1)
62	43.37	97.78	Open To Flow (2)
91	49.53	97.90	Shut-In(2)
122	747.46	98.20	End Shut-In(2)
123	1541.93	98.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud 100M	0.57

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

John O. Farmer, Inc.

**12-4s-19w Phillips,KS**

370 W Wichita Ave.  
Russell, KS 67665

**Norris A #1**

Job Ticket: 42492

**DST#: 1**

ATTN: Austin Klaus

Test Start: 2012.05.05 @ 19:32:00

## Tool Information

Drill Pipe:	Length: 3139.00 ft	Diameter: 3.80 inches	Volume: 44.03 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 44.18 bbl</u>	Tool Chased	10.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3168.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	116.00 ft				
Tool Length:	137.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Tool opened then slid approx 10' to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3148.00	
Shut In Tool	5.00			3153.00	
Hydraulic tool	5.00			3158.00	
Packer	5.00			3163.00	21.00 Bottom Of Top Packer
Packer	5.00			3168.00	
Stubb	1.00			3169.00	
Recorder	0.00	8648	Inside	3169.00	
Recorder	0.00	6799	Inside	3169.00	
Perforations	15.00			3184.00	
Change Over Sub	1.00			3185.00	
Drill Pipe	93.00			3278.00	
Change Over Sub	1.00			3279.00	
Bullnose	5.00			3284.00	116.00 Bottom Packers & Anchor

**Total Tool Length: 137.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

John O. Farmer, Inc.  
370 W Wichita Ave.  
Russell, KS 67665  
ATTN: Austin Klaus

**12-4s-19w Phillips,KS**  
**Norris A #1**  
Job Ticket: 42492      **DST#: 1**  
Test Start: 2012.05.05 @ 19:32:00

**Mud and Cushion Information**

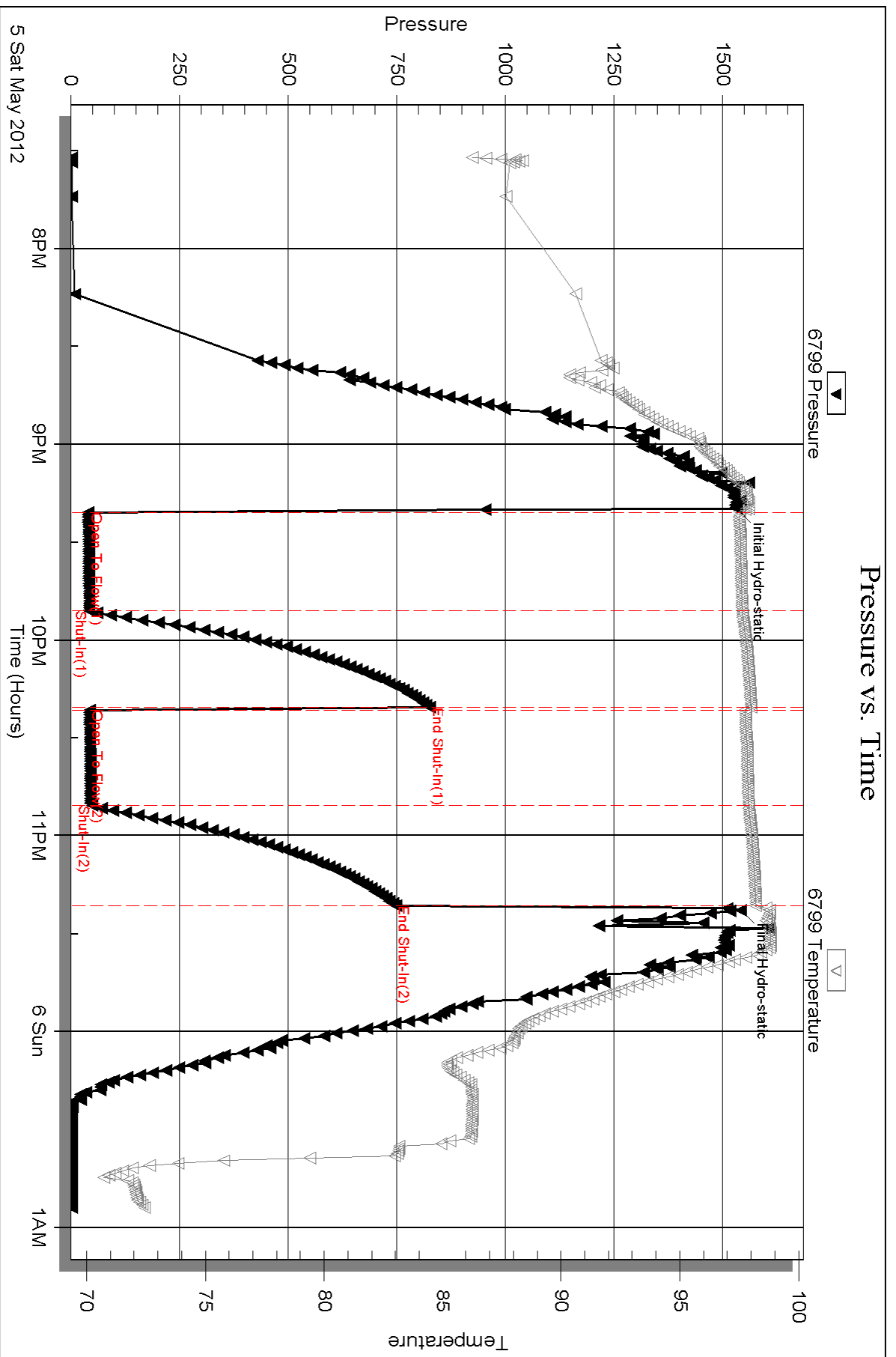
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud 100M	0.568

Total Length: 60.00 ft      Total Volume: 0.568 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





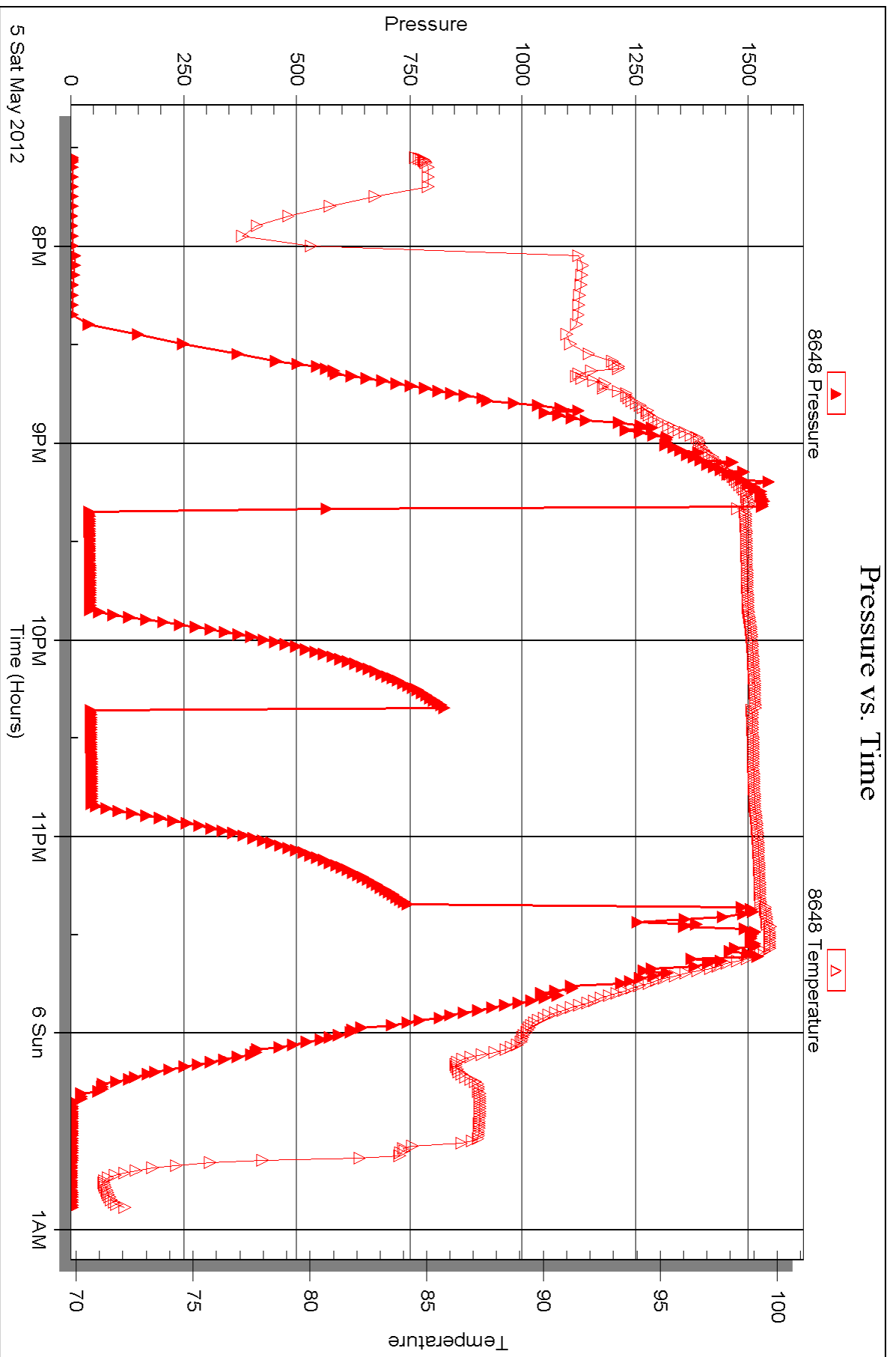
Serial #: 8648

Inside

John O. Farmer, Inc.

Norris A #1

DST Test Number: 1





## DRILL STEM TEST REPORT

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

370 W Wichita Ave.  
Russell, KS 67665

ATTN: Austin Klaus

### **Norris A #1**

### **12-4s-19w Phillips,KS**

Start Date: 2012.05.06 @ 09:15:00

End Date: 2012.05.06 @ 13:51:45

Job Ticket #: 42493                      DST #: 2

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

Printed: 2012.05.17 @ 14:45:51



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

John O. Farmer, Inc.  
370 W Wichita Ave.  
Russell, KS 67665  
ATTN: Austin Klaus

**12-4s-19w Phillips,KS**

**Norris A #1**

Job Ticket: 42493

**DST#: 2**

Test Start: 2012.05.06 @ 09:15:00

## GENERAL INFORMATION:

Formation: **LKC "E-G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:38:45  
 Time Test Ended: 13:51:45  
 Interval: **3279.00 ft (KB) To 3330.00 ft (KB) (TVD)**  
 Total Depth: 3330.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 43  
 Reference Elevations: 1992.00 ft (KB)  
 1984.00 ft (CF)  
 KB to GR/CF: 8.00 ft

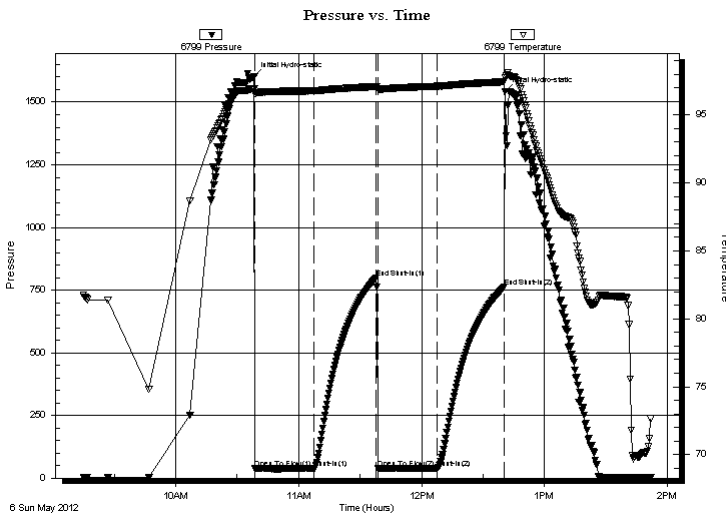
## Serial #: 6799

Inside

Press @ Run Depth: 38.92 psig @ 3280.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.05.06 End Date: 2012.05.06 Last Calib.: 2012.05.06  
 Start Time: 09:15:05 End Time: 13:51:44 Time On Btm: 2012.05.06 @ 10:38:15  
 Time Off Btm: 2012.05.06 @ 12:40:45

TEST COMMENT: 30 - IF - Bled off initial surge. Weak surface blow did not build or die.  
 30 - IS - No Return  
 30 - FF - No Blow  
 30 - FS - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.47	96.94	Initial Hydro-static
1	37.86	96.60	Open To Flow (1)
29	38.24	96.78	Shut-In(1)
60	799.04	97.09	End Shut-In(1)
61	38.52	96.92	Open To Flow (2)
90	38.92	97.12	Shut-In(2)
122	761.80	97.45	End Shut-In(2)
123	1543.13	97.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100M	0.43

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

John O. Farmer, Inc.

**12-4s-19w Phillips,KS**

370 W Wichita Ave.  
Russell, KS 67665

**Norris A #1**

Job Ticket: 42493

**DST#: 2**

ATTN: Austin Klaus

Test Start: 2012.05.06 @ 09:15:00

## Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 45.46 bbl</u>	Tool Chased	7.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3279.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	72.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Tool opened early and slid approx 7' to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3259.00	
Shut In Tool	5.00			3264.00	
Hydraulic tool	5.00			3269.00	
Packer	5.00			3274.00	21.00 Bottom Of Top Packer
Packer	5.00			3279.00	
Stubb	1.00			3280.00	
Recorder	0.00	8648	Inside	3280.00	
Recorder	0.00	6799	Inside	3280.00	
Perforations	11.00			3291.00	
Change Over Sub	1.00			3292.00	
Drill Pipe	32.00			3324.00	
Change Over Sub	1.00			3325.00	
Bullnose	5.00			3330.00	51.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O. Farmer, Inc.

**12-4s-19w Phillips,KS**

370 W Wichita Ave.  
Russell, KS 67665

**Norris A #1**

Job Ticket: 42493

**DST#: 2**

ATTN: Austin Klaus

Test Start: 2012.05.06 @ 09:15:00

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100M	0.428

Total Length: 50.00 ft      Total Volume: 0.428 bbl

Num Fluid Samples: 0

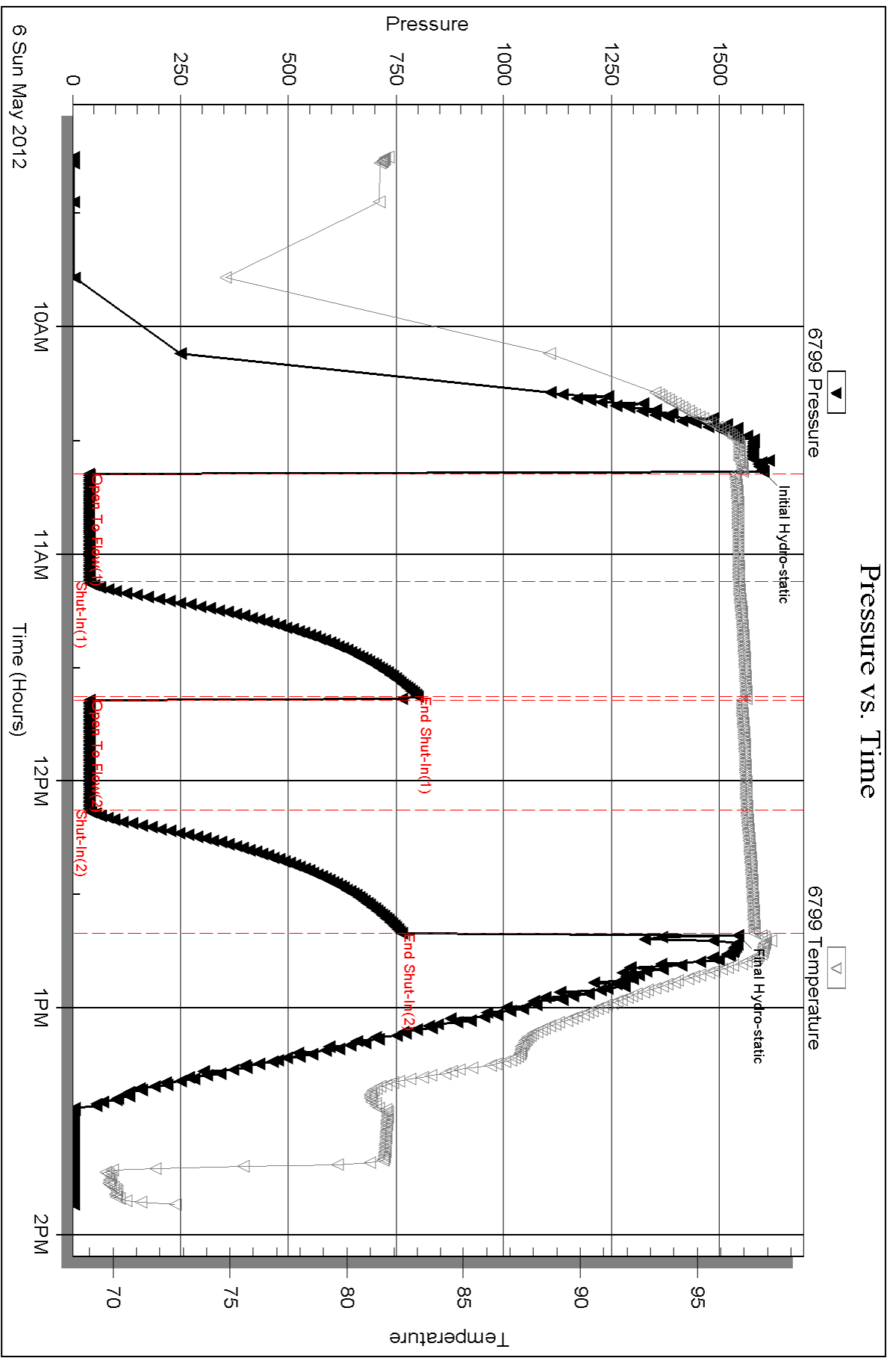
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



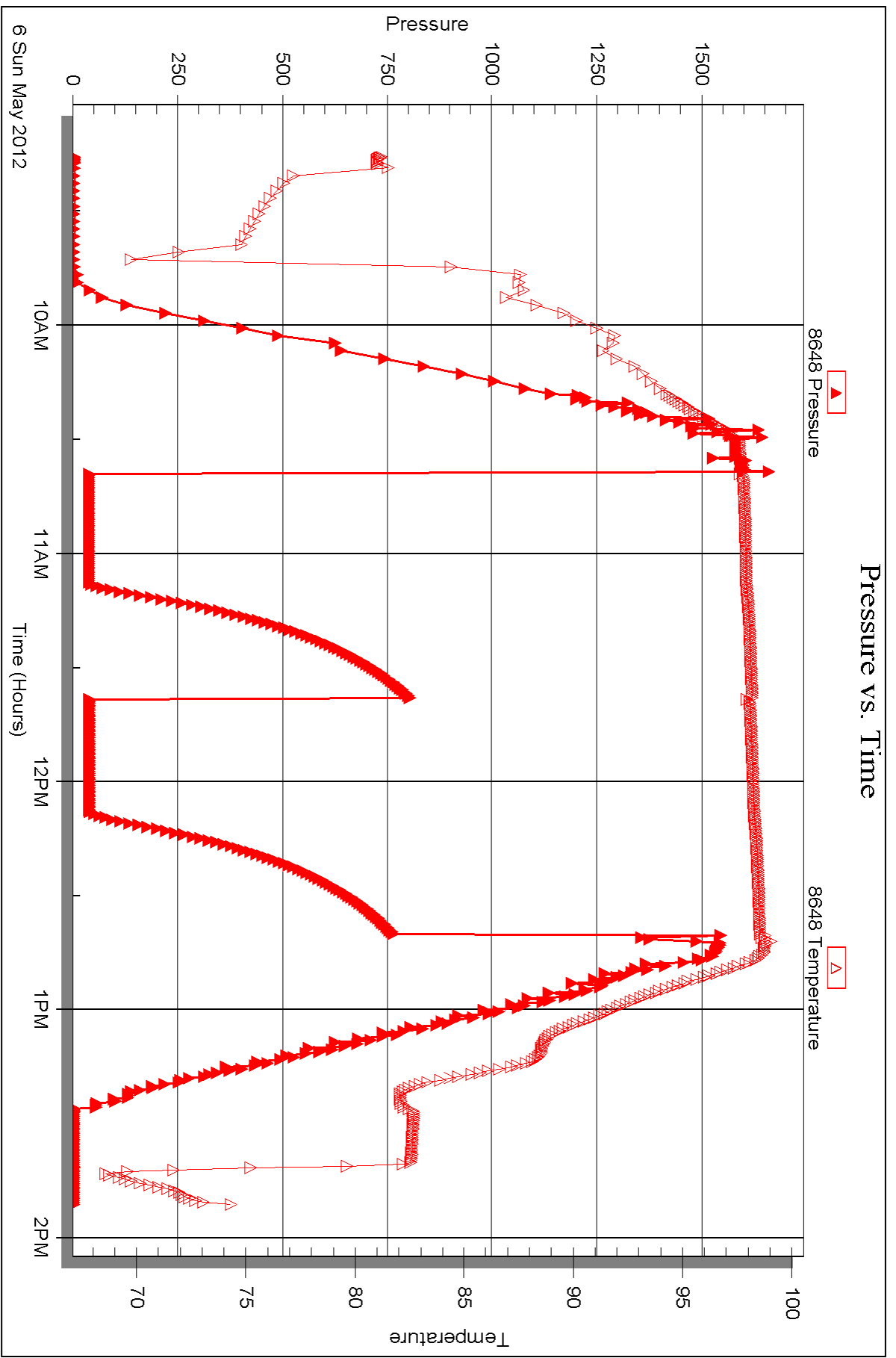
Serial #: 8648

Inside

John O. Farmer, Inc.

Norris A #1

DST Test Number: 2







## DRILL STEM TEST REPORT

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

370 W Wichita Ave.  
Russell, KS 67665

ATTN: Austin Klaus

### **Norris A #1**

### **12-4s-19w Phillips,KS**

Start Date: 2012.05.06 @ 23:36:00

End Date: 2012.05.07 @ 05:26:00

Job Ticket #: 42494                      DST #: 3

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

Printed: 2012.05.17 @ 14:44:53



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

John O. Farmer, Inc.  
 370 W Wichita Ave.  
 Russell, KS 67665  
 ATTN: Austin Klaus

**12-4s-19w Phillips,KS**

**Norris A #1**

Job Ticket: 42494

**DST#: 3**

Test Start: 2012.05.06 @ 23:36:00

## GENERAL INFORMATION:

Formation: **LKC "H-K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:31:30  
 Time Test Ended: 05:26:00  
 Interval: **3316.00 ft (KB) To 3421.00 ft (KB) (TVD)**  
 Total Depth: 3421.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 43  
 Reference Elevations: 1992.00 ft (KB)  
 1984.00 ft (CF)  
 KB to GR/CF: 8.00 ft

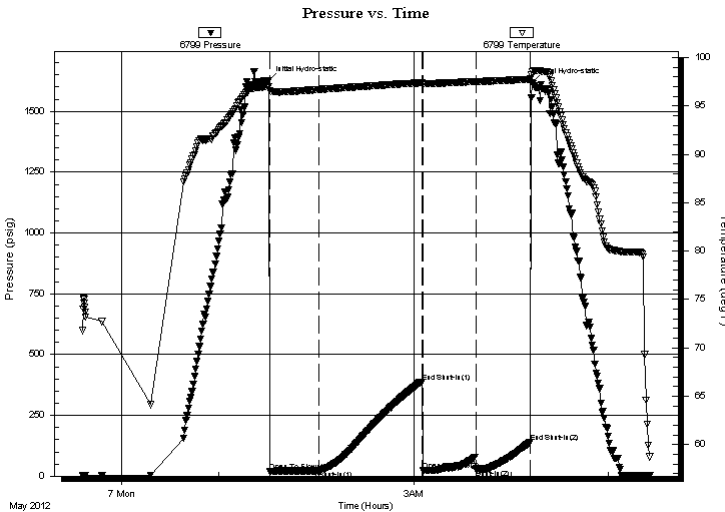
## Serial #: 6799

Inside

Press@RunDepth: 26.81 psig @ 3317.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.05.06 End Date: 2012.05.07 Last Calib.: 2012.05.07  
 Start Time: 23:36:05 End Time: 05:25:59 Time On Btm: 2012.05.07 @ 01:31:00  
 Time Off Btm: 2012.05.07 @ 04:13:15

TEST COMMENT: 30 - IF- 1/4" Blow built to 3/4"  
 60 - IS- No Return  
 30 - FF- No Blow  
 30 - FS- No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1626.34	97.00	Initial Hydro-static
1	20.13	96.55	Open To Flow (1)
31	22.83	96.68	Shut-In(1)
95	385.19	97.38	End Shut-In(1)
95	22.61	97.29	Open To Flow (2)
128	26.81	97.50	Shut-In(2)
161	140.72	97.75	End Shut-In(2)
163	1617.50	98.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100M (oil spots)	0.05

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

John O. Farmer, Inc.

**12-4s-19w Phillips,KS**

370 W Wichita Ave.  
Russell, KS 67665

**Norris A #1**

Job Ticket: 42494

**DST#: 3**

ATTN: Austin Klaus

Test Start: 2012.05.06 @ 23:36:00

## Tool Information

Drill Pipe:	Length: 3296.00 ft	Diameter: 3.80 inches	Volume: 46.23 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.38 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3316.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	126.00 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			3296.00	
Shut In Tool	5.00			3301.00	
Hydraulic tool	5.00			3306.00	
Packer	5.00			3311.00	21.00 Bottom Of Top Packer
Packer	5.00			3316.00	
Stubb	1.00			3317.00	
Recorder	0.00	8648	Inside	3317.00	
Recorder	0.00	6799	Inside	3317.00	
Perforations	4.00			3321.00	
Change Over Sub	1.00			3322.00	
Drill Pipe	93.00			3415.00	
Change Over Sub	1.00			3416.00	
Bullnose	5.00			3421.00	105.00 Bottom Packers & Anchor

**Total Tool Length: 126.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O. Farmer, Inc.

**12-4s-19w Phillips,KS**

370 W Wichita Ave.  
Russell, KS 67665

**Norris A #1**

Job Ticket: 42494

**DST#: 3**

ATTN: Austin Klaus

Test Start: 2012.05.06 @ 23:36:00

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100M (oil spots)	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

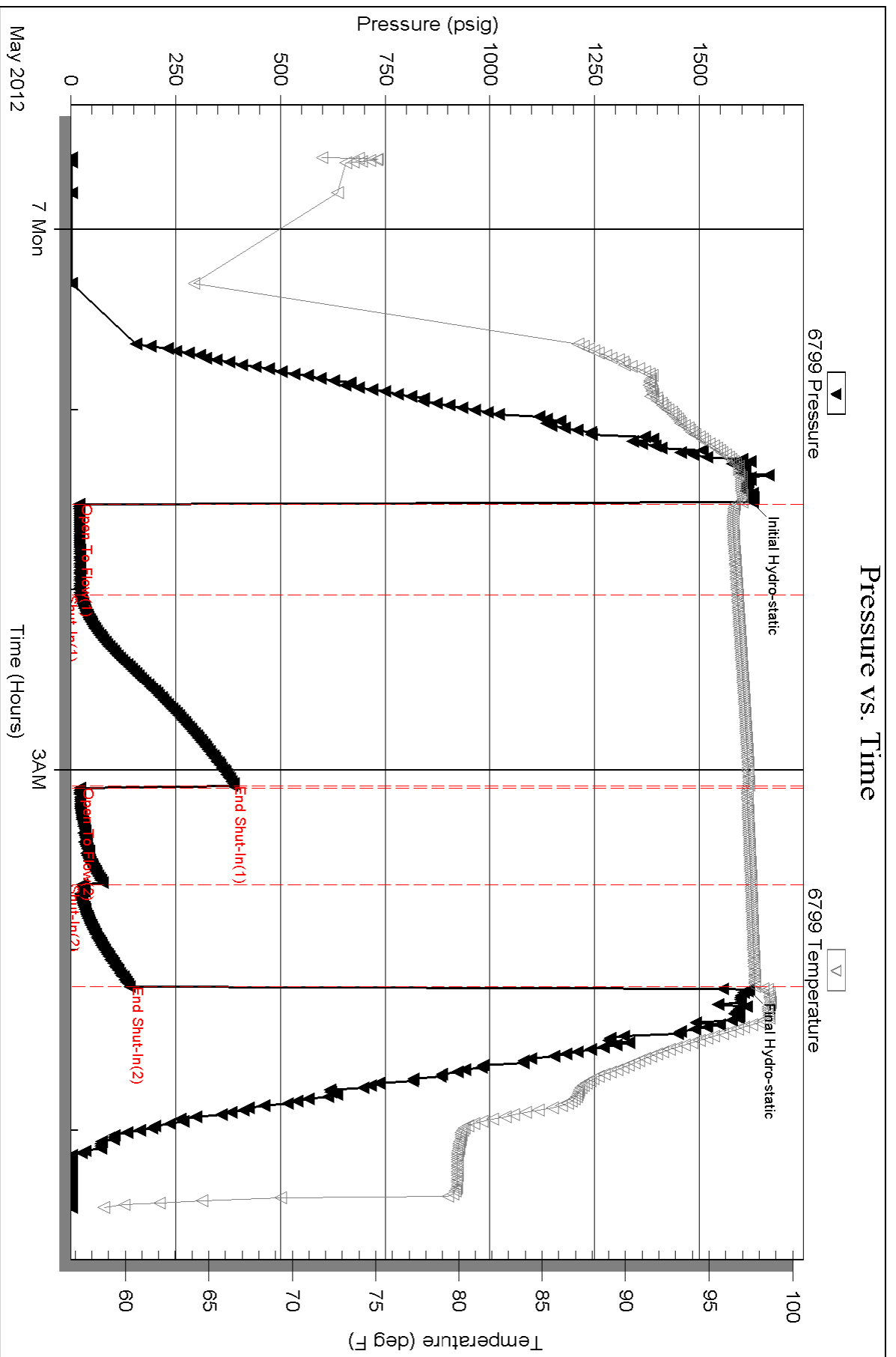
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



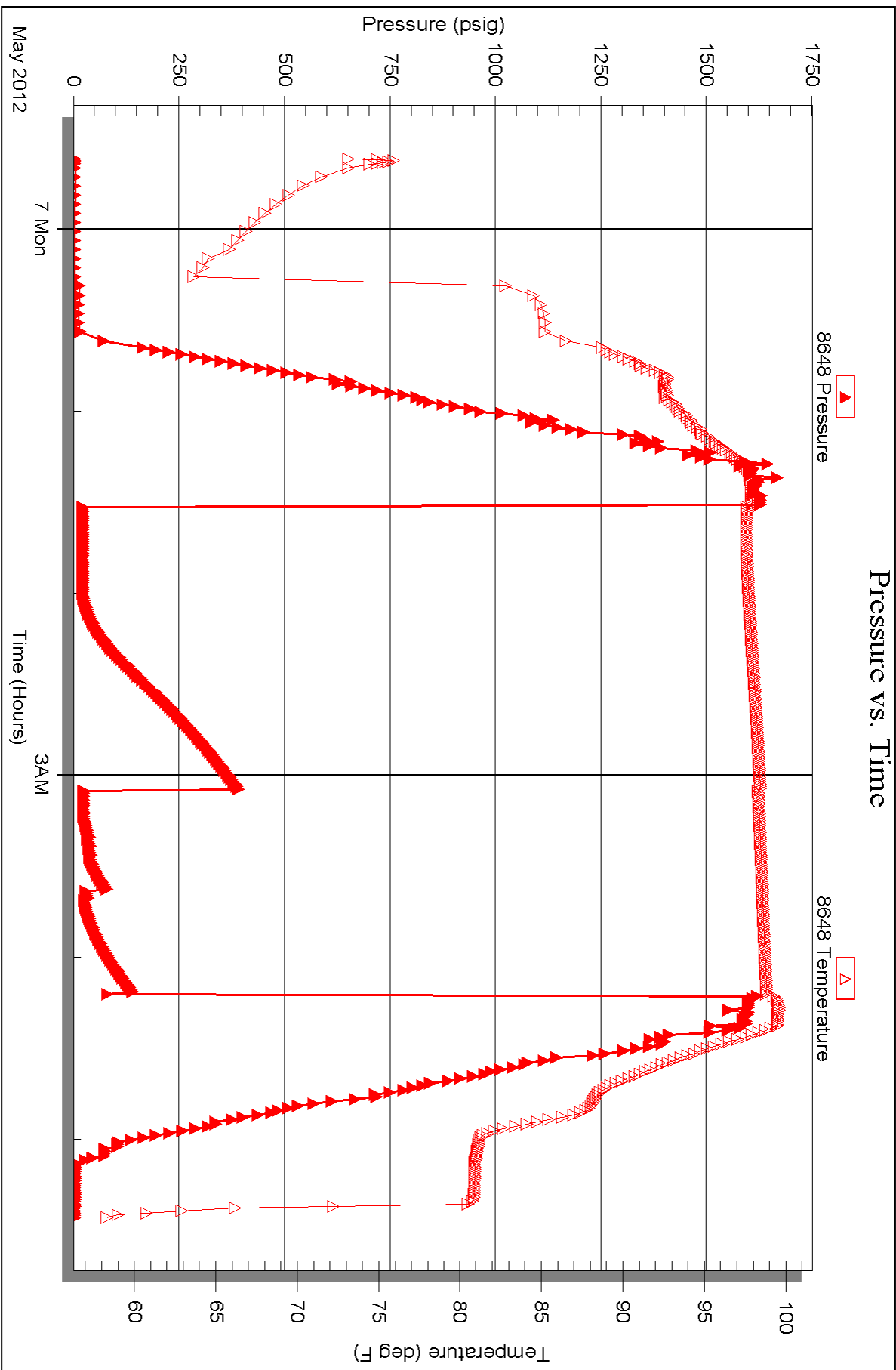
Serial #: 8648

Inside

John O. Farmer, Inc.

Norris A#1

DST Test Number: 3





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 042492

4/10

Well Name & No. Norris A #1 Test No. 1 Date 5-5-12  
 Company John O. Farmer, Inc. Elevation 1992 KB 1984 GL  
 Address 370 W Wichita Ave Russell KS 67665  
 Co. Rep / Geo. Austin Klaus Rig Discovery #1  
 Location: Sec. 12 Twp. 4S Rge. 19W Co. Phillips State KS

Interval Tested 3168-3284 Zone Tested Toronto-LKC "D"  
 Anchor Length 116' Drill Pipe Run 3139 Mud Wt. 8.8  
 Top Packer Depth 3164 Drill Collars Run 30' Vis 57  
 Bottom Packer Depth 3168 Wt. Pipe Run Ø WL 7.6  
 Total Depth 3284 Chlorides 800 ppm System LCM 3#

Blow Description IF- Bled off initial surge. Weak surface blow did not build or die  
IS- No Return  
FF- No Blow  
FS- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 99 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>1533</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5:50 PM</u>
(B) First Initial Flow <u>40</u>	<input type="checkbox"/> Jars	T-Started <u>7:32 PM</u>
(C) First Final Flow <u>41</u>	<input type="checkbox"/> Safety Joint	T-Open <u>9:20 PM</u>
(D) Initial Shut-In <u>825</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>11:20 PM</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:50 AM</u>
(F) Second Final Flow <u>49</u>	<input checked="" type="checkbox"/> Mileage <u>163 RT</u> <small>252.65</small>	Comments <u>Tool opened then</u>
(G) Final Shut-In <u>747</u>	<input type="checkbox"/> Sampler	<u>Sid approx 10' to</u>
(H) Final Hydrostatic <u>1541</u>	<input type="checkbox"/> Straddle	<u>bottom</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1402.65</u>
	Sub Total <u>1402.65</u>	MP/DST Disc't <u>—</u>

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or 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. 042493

4/10

Well Name & No. Norris A #1 Test No. 2 Date 5-6-12  
 Company John O. Farmer, Inc. Elevation 1992 KB 1984 GL  
 Address 370 W Wichita Ave., Russell KS 67665  
 Co. Rep / Geo. Austin Klaus Rig Discovery #1  
 Location: Sec. 12 Twp. 4s Rge. 19W Co. Phillips State KS

Interval Tested 3279-3330 Zone Tested LKC "E-6"  
 Anchor Length 51 Drill Pipe Run 3230 Mud Wt. 9.1  
 Top Packer Depth 3275 Drill Collars Run 30' Vis 50  
 Bottom Packer Depth 3279 Wt. Pipe Run Ø WL 8.0  
 Total Depth 3330 Chlorides 1,000 ppm System LCM 2.5#

Blow Description IF - Bled off initial surge. Weak surface blow did not build or die.  
IS - No Return  
FF - No Blow  
FS - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 97 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1602  Test 1150 T-On Location 8:45 AM  
 (B) First Initial Flow 37  Jars \_\_\_\_\_ T-Started 9:15 AM  
 (C) First Final Flow 38  Safety Joint \_\_\_\_\_ T-Open 10:38 AM  
 (D) Initial Shut-In 799  Circ Sub N/C T-Pulled 12:38 PM  
 (E) Second Initial Flow 38  Hourly Standby \_\_\_\_\_ T-Out 1:50 PM  
 (F) Second Final Flow 38  Mileage 163RT 252.65 Comments Tool opened early  
 (G) Final Shut-In 761  Sampler \_\_\_\_\_ and slid approx 7'  
 (H) Final Hydrostatic 1543  Straddle \_\_\_\_\_ to bottom  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_  
 Final Flow 30  Day Standby \_\_\_\_\_  
 Final Shut-In 30  Accessibility \_\_\_\_\_  
 Sub Total 1402.65

Approved By \_\_\_\_\_ Our Representative

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. 042494

4/10

Well Name & No. Norris A #1 Test No. 3 Date 5-6-12  
 Company John O. Farmer, Inc. Elevation 1992 KB 1984 GL  
 Address 370 W Wichita Ave. Russell, KS 67665  
 Co. Rep / Geo. Austin Klaus Rig Discover #1  
 Location: Sec. 12 Twp. 34s Rge. 19w Co. Phillips State KS

Interval Tested 3316-3421 Zone Tested LKC "H-K"  
 Anchor Length 105' Drill Pipe Run 3296 Mud Wt. 9.1  
 Top Packer Depth 3312 Drill Collars Run 30' Vis 50  
 Bottom Packer Depth 3316 Wt. Pipe Run Ø WL 8.0  
 Total Depth 3421 Chlorides 1,000 ppm System LCM 2.5#  
 Blow Description IF - 1/4" Blow built to 3/4"  
IS - NO Return  
FF - NO Blow  
FS - NO Return

Rec	Feet of	%gas	Spots	%oil	%water	%mud
<u>10</u>	<u>OSM</u>				<u>100</u>	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total 10 BHT 97 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1626  Test 1150 T-On Location 10:10 PM  
 (B) First Initial Flow 20  Jars T-Started 11:36 PM  
 (C) First Final Flow 22  Safety Joint T-Open 1:31 AM  
 (D) Initial Shut-In 385  Circ Sub N/C T-Pulled 4:10 AM 3:31 AM  
 (E) Second Initial Flow 22  Hourly Standby T-Out 5:26 AM  
 (F) Second Final Flow 26  Mileage 163 RT 252.65 Comments \_\_\_\_\_  
 (G) Final Shut-In 140  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1617  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer 320  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 320  
 Initial Shut-In 3060  Day Standby \_\_\_\_\_ Total 1722.65  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1402.65

Approved By \_\_\_\_\_ Our Representative

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, by the party for whom the test is made, 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.

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 06, 2012

Marge Schulte  
Farmer, John O., Inc.  
370 W WICHITA AVE  
PO BOX 352  
RUSSELL, KS 67665-2635

Re: ACO1  
API 15-147-20674-00-00  
Norris A 1  
SE/4 Sec.12-04S-19W  
Phillips County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Marge Schulte