



Confidentiality Requested:

Yes  No

**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](mailto: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
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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				

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	States A 1
Doc ID	1090059

Tops

Name	Top	Datum
Anhydrite	1661'	(+474)
Topeka	3047'	(-912)
Heebner	3242'	(-1107)
Toronto	3268'	(-1133)
Lansing	3284'	(-1149)
Base/KC	3483'	(-1348)
Arbuckle	3556'	(-1421)
L.T.D.	3618'	(-1483)

## Summary of Changes

Lease Name and Number: States A 1

API/Permit #: 15-147-20681-00-00

Doc ID: 1090059

Correction Number: 1

Approved By: Deanna Garrison

Field Name	Previous Value	New Value
Approved Date	08/08/2012	08/13/2012
CasingWeightPDF_1	23	20
Save Link	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1089673">../..kcc/detail/operatorEditDetail.cfm?docID=1089673</a>	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1090059">../..kcc/detail/operatorEditDetail.cfm?docID=1090059</a>



**CONFIDENTIAL**

**WELL COMPLETION FORM**

**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

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

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
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- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1089673

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
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Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

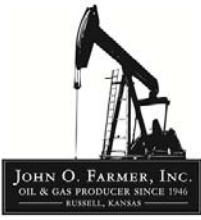
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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---	--	--

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	States A 1
Doc ID	1089673

Tops

Name	Top	Datum
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Lansing	3284'	(-1149)
Base/KC	3483'	(-1348)
Arbuckle	3556'	(-1421)
L.T.D.	3618'	(-1483)



# 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:** States A #1  
**Location:** Phillips County  
**License Number:** API #15-147-20681-00-00  
**Spud Date:** 6/14/2012  
**Surface Coordinates:** 1,010' FNL & 1,075' FEL  
**Bottom Hole Coordinates:** Section 15 - Township 5 South - Range 20 West  
**Vertical well with minimal deviation, same as above**  
**Ground Elevation (ft):** 2,130' **K.B. Elevation (ft):** 2,135'  
**Logged Interval (ft):** 3000 **To:** RTD **Total Depth (ft):** RTD: 3,618' **LTD:** 3,618'  
**Formation:** Topeka - Arbuckle  
**Type of Drilling Fluid:** Chemical (Andy's)

**Region:** Kansas  
**Drilling Completed:** 6/20/2012

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

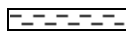



The States A #1 well was drilled by WW Drilling Rig #6 (Tool Pusher: John Mayers).



The location for the States A #1 well was found via 3-D seismic survey. Based on the results of the Arbuckle drill stem test that was conducted, and the open hole logs and samples that were evaluated, the decision was made to set 5 1/2" production casing on 6/21/2012 to further evaluate the States A #1 well.

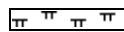

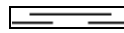
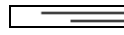


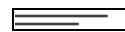



**ROCK TYPES**

-  Anhy
-  Bent
-  Brec
-  Cht



-  Clyst
-  Coal
-  Congl
-  Dol

-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till

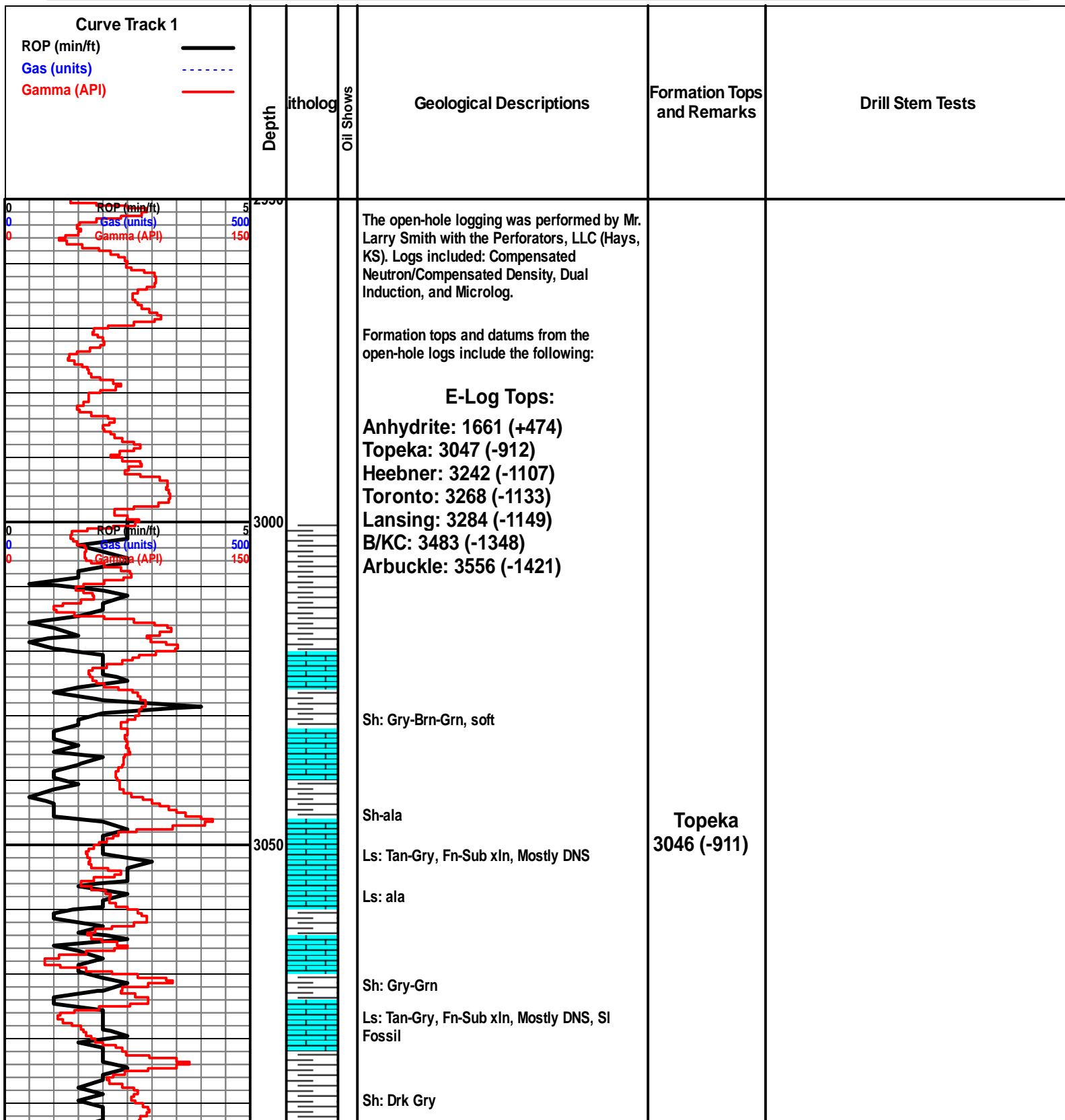
**OTHER SYMBOLS**

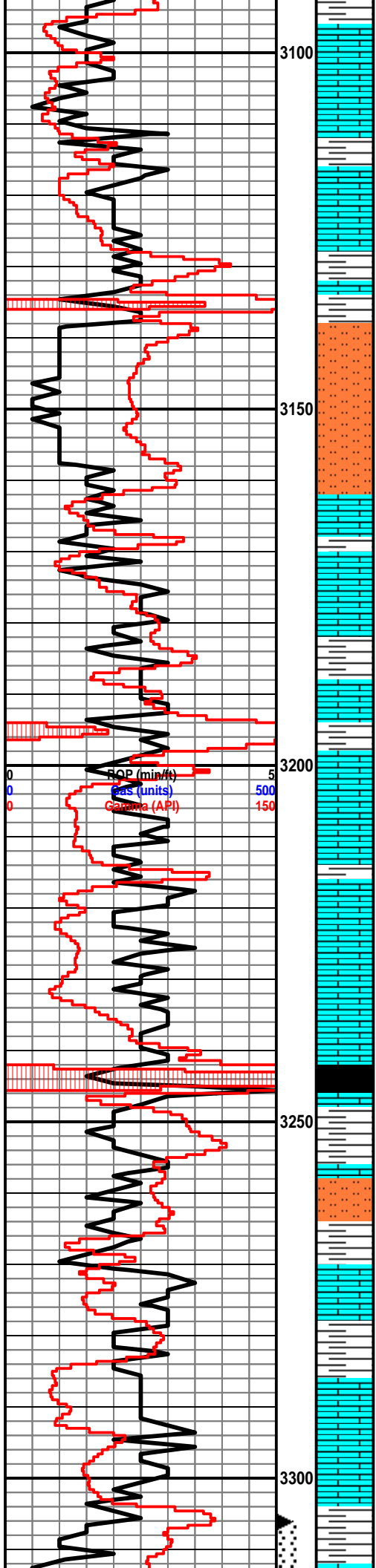
- OIL SHOW**
-  Even
  -  Spotted

-  Ques
-  Dead

- INTERVAL**
-  Core
  -  Dst

- EVENT**
-  Rft
  -  Sidewall





Ls: Tan-Lt Gry, Fn-Sub xIn, Mostly DNS, Fossil  
 Ls: ala  
 Sh: Drk Gry  
 Sh, Slstst: Gry-Grn, Vry Fn Grn  
 Ls: Off Wh-Tan, Fn-Sub xIn, SI Fossil, SI Chalky  
 Ls: ala  
 Sh: Drk Gry-Blk  
 Ls: Off Wh-Tan, Lt Gry, Fn-Sub xIn, Fossil  
 Sh: Drk Gry  
 Ls: Off Wh-Lt Gry, Fn-Sub xIn, Mostly DNS, Fossil  
 Ls: ala  
 Sh: Blk, Carb, Fissile  
 Ls: Off Wh-Tan, Fn-Sub xIn, Mostly DNS  
 Sh Slstst: Gry-Brn-Grn  
 Sh: ala  
 Ls: Off Wh-Tan, Fn xIn w/ poor scat int xIn porosity, lt oil st, NSFO, sl odor, sl chert, sl chalky  
 Sh: Gry-Drk Gry  
 Ls: Off-Wh-Tan, Fn xIn w/ poor scat int xIn porosity, lt oil st in porosity, sl odor, sl chalky, chert off wh  
 Ls: Tan-Lt Gry, Fn-Sub xIn, Mostly DNS, SI chalky  
 Sh: Drk Gry-Brn-Grn

**Heebner  
3242 (-1107)**

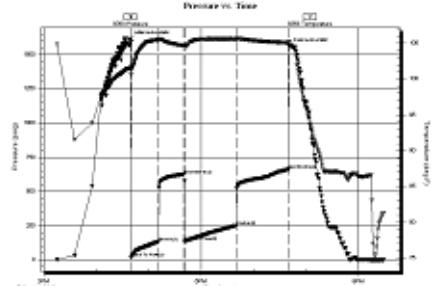
**Toronto  
3271 (-1136)**

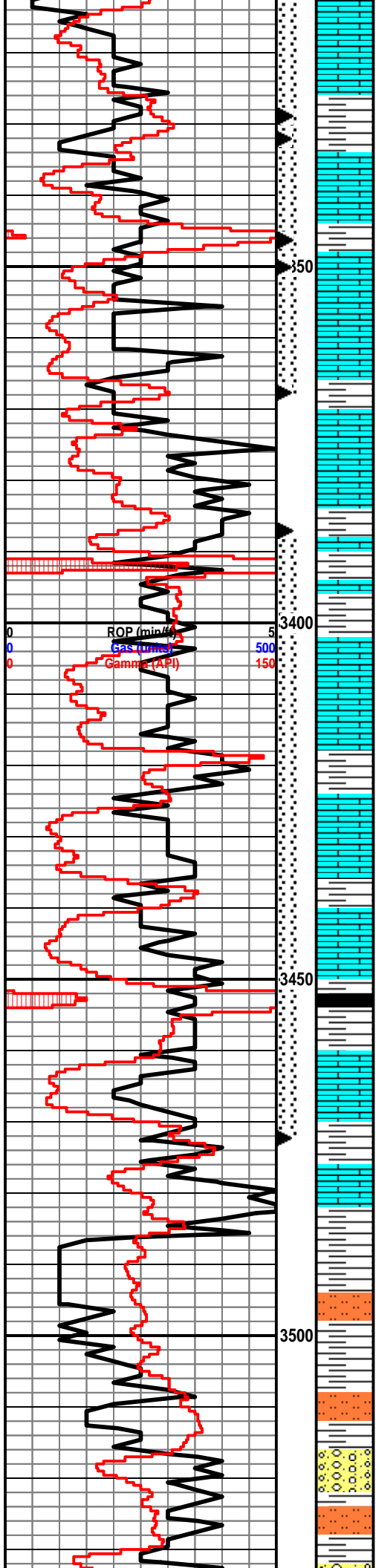
**Lansing  
3286 (-1151)**

'A'

'B'

DST #1 3,306'-3,332' LKC C  
 30"-30"-60"-60"  
 IF: BOB in 20 minutes, no blow back on shut in  
 FF: BOB in 24 minutes, no blow back on shut in  
 Rec: 60' GIP, 5' CO, 495' Muddy Water  
 FP: 18-133, 135-250#  
 SIP: 624-662#  
 HP: 1,613-1,559 #  
 BHT: 105





**'C'** Ls: Off Wh-Lt Gry, Fn xln, Poor-Fair int xln & vuggy porosity, lt oil st, SSFO, Fair-Good odor, heavy chert, off wh  
Sh: Gry-Brn-Grn

**'D'** Ls: Off Wh-Lt Gry, Fn xln, Poor-Fair int xln porosity, Fair-Good oil st, SSFO, Fair odor, chert, off wh  
Sh: Gry-Brn-Grn

**'E'** Ls: Off Wh, Fn xln, w/ Poor-Fair int xln & vuggy porosity, Lt oil st, SSFO, Fair odor, chert, off wh  
Sh: Gry-Brn-Grn

**'F'** Ls: Off Wh-Lt Gry, Fn xln w/ Poor int xln porosity, lt oil st, chert-off wh, chalky  
Sh: Drk Gry-Blk

**'G'** Ls: Off Wh-Tan, Fn xln, w/ Vry Poor int xln porosity, sl fossil, Vry lt oil st, sl chalky, heavy chert-off wh  
Sh: Gry-Brn-Grn

**'H'** Ls: Off Wh-Lt Gry, Fn xln w/ scat int xln porosity, lt oil st in porosity, sl odor, sl chalky, fossil, VSSFO  
Sh: Drk Gry-Brn-Grn

**'I'** Ls: Off Wh-Lt Gry, Fn xln, w/ Poor int xln & vuggy porosity, lt oil st, sl odor  
Sh: Blk, Carb

**'J'** Ls: Off Wh-Lt Gry, w/ Poor-Fair int xln porosity, Fair oil st, SSFO, Fair odor, sl chert-off wh, sl chalky  
Sh: Drk Gry-Brn

**'K'** Ls: Off Wh-Lt Gry, Fn-Sub xln, mostly DNS, sl fossil, chert-off wh  
Sh: Gry-Brn-Grn, soft  
Sh Slst: Grn, Fn Grn  
Sh: Gry-Brn-Grn, soft

**'L'** Qtz Sh: Vry Fn Grn, Brn-Gry, soft  
Cong: multi color, chert  
Sh Slst: Gry-Grn-Brn

**'C'**

**'D'**

**'E'**

**'F'**

**'G'**

**'H'**

**'I'**

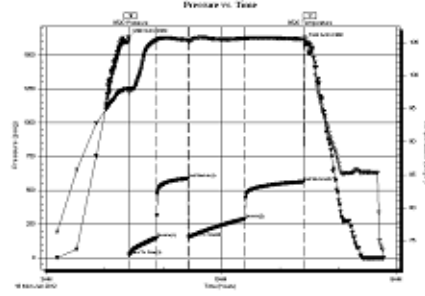
**'J'**

**'K'**

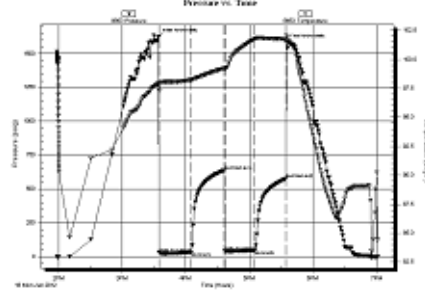
**'L'**

**B/KC**  
3484 (-1349)

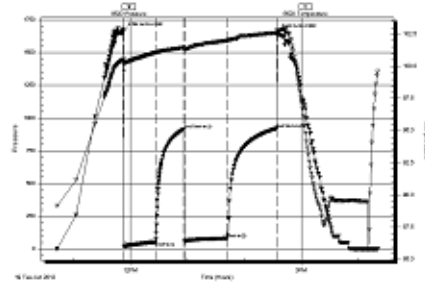
**DST #2 3,329'-3,350' LKC D**  
30"-30"-60"-60"  
IF: BOB in 11 minutes, surface blow back on shut in  
FF: BOB in 15 minutes, no blow back on shut in  
Rec: 50' GIP, 10' CO, 560' Muddy Water  
FP: 20-148#, 151-288#  
SIP: 587-563#  
HP: 1,630-1,599#  
BHT: 105



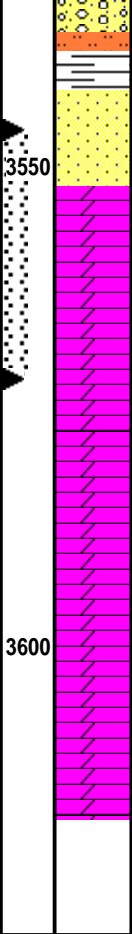
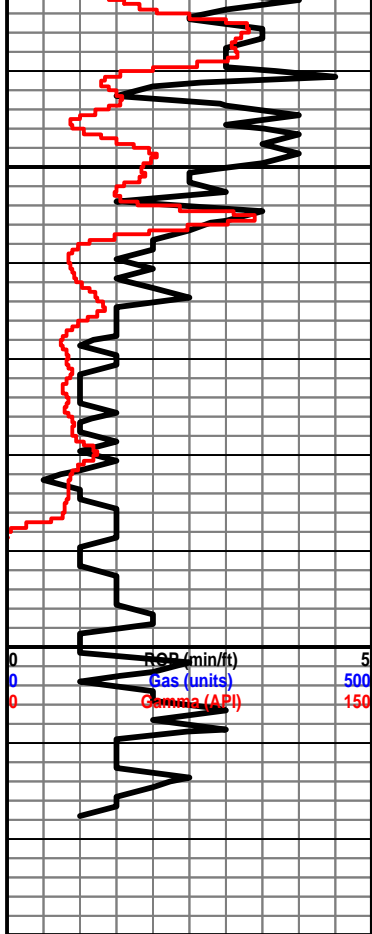
**DST #3 3,346'-3,368' LKC E-F**  
30"-30"-30"-30"  
IF: weak blow died in 30 minutes  
FF: no blow  
Rec: 75' Muddy Water  
FP: 33-34, 45-49#  
SIP: 638-577#  
HP: 1,624-1,584#  
BHT:103



**DST #4 3,387'-3,472' LKC H-K**  
30"-30"-45"-45"  
IF: weak blow, built to 1.75"  
FF: weak blow, built to 1.5"  
Rec: 135' OCM (2% O, 98% M)  
FP: 22-54, 58-82#  
SIP: 915-921#  
HP: 1,668-1,656#  
BHT: 103



**DST #5 3,546'-3,572' Top 16' Arbuckle**  
30"-30"-30"-30"  
IF: BOB in 2 minutes, 5" blow back on shut in



Sh, Sltst: ala

SS: Tan-Gry, Fn Grn, Fairly well sorted, Fairly Rounded

Dolo: Off Wh-Brn-Tan, Fn-Md xln, Mostly Barren, heavy chert: off wh

Dolo: Off Wh - Tan, Fn-Md xln, w/ Fair int xln porosity, SFO, Fair-Good oil st, Good Odor, Dull Yel Fluor

Dolo: ala

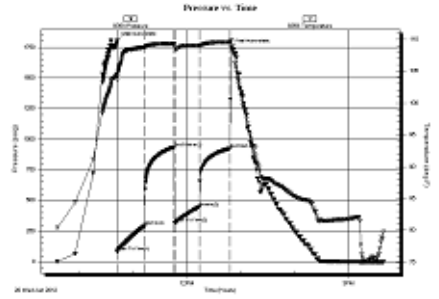
Dolo: Off wh - Tan - Lt Gry, Fn-Md xln, Mostly Barren

Dolo: ala

Dolo: Off wh - Tan, Fn-Md xln, Barren

FF: BOB in 4 minutes, 3" blow back on shut in  
 Rec: 1,140' WCGO (5% W, 25% G, 70 % O) 29  
 Gravity, 150' WCGO (5% W, 35% O, 60%)  
 FP: 86-295, 320-448#  
 SIP: 934-924#  
 HP: 1,803-1,749#  
 BHT: 110

**Arbuckle  
 3554 (-1419)**



**RTD  
 3618 (-1483)**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

John O Farmer

**15 5s 20w Phillips KS**

**States A #1**

Job Ticket: 47926

**DST#: 1**

ATTN: John, Matt, Austin

Test Start: 2012.06.17 @ 15:15:22

## GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:12

Time Test Ended: 21:28:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 38

**Interval: 3306.00 ft (KB) To 3332.00 ft (KB) (TVD)**

Reference Elevations: 3135.00 ft (KB)

Total Depth: 3332.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8354 Inside**

Press @ Run Depth: 249.93 psig @ 3309.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.17 End Date: 2012.06.17

Last Calib.: 2012.06.17

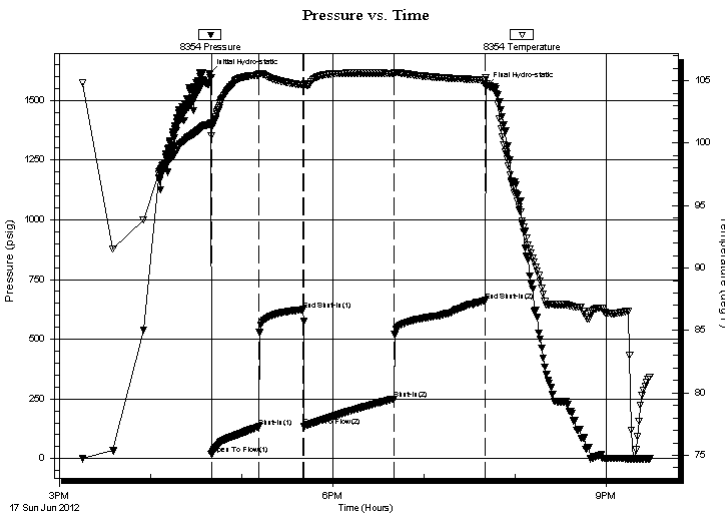
Start Time: 15:15:22 End Time: 21:28:52

Time On Btm: 2012.06.17 @ 16:38:52

Time Off Btm: 2012.06.17 @ 19:40:52

**TEST COMMENT:** 30- weak blow built to bottom of bucket in 20 minutes  
 30- no blow  
 60 surface blow building to bottom of bucket in 24 minutes  
 60 no blow

## PRESSURE SUMMARY



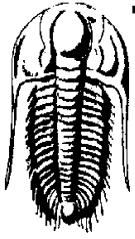
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.11	101.47	Initial Hydro-static
2	18.42	100.59	Open To Flow (1)
33	133.20	105.46	Shut-In(1)
62	623.89	104.67	End Shut-In(1)
63	135.41	104.63	Open To Flow (2)
122	249.93	105.60	Shut-In(2)
182	662.00	105.05	End Shut-In(2)
182	1559.14	105.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
495.00	muddy water 95% w 5% m	6.40
5.00	clean oil gravity 34	0.07
0.00	60' gas in pipe	0.00
0.00	Rw .106 @ 86== 62000	0.00

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

John O Farmer

15 5s 20w Phillips KS

States A #1

Job Ticket: 47926

DST#: 1

ATTN: John, Matt, Austin

Test Start: 2012.06.17 @ 15:15:22

### GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock:                      ft (KB)

Time Tool Opened: 16:40:12

Time Test Ended: 21:28:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 38

Interval: **3306.00 ft (KB) To 3332.00 ft (KB) (TVD)**

Total Depth: 3332.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3135.00 ft (KB)

3130.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth:                      psig @ 3309.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.17

End Date: 2012.06.17

Last Calib.: 2012.06.17

Start Time: 15:15:37

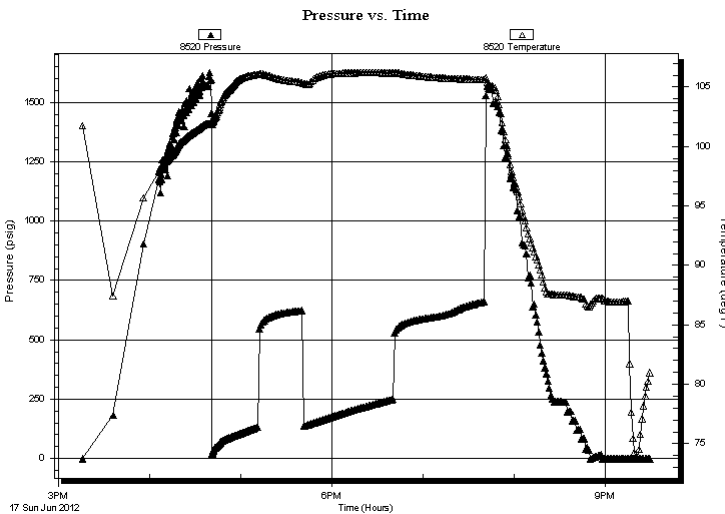
End Time: 21:29:07

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- weak blow built to bottom of bucket in 20 minutes  
30- no blow  
60 surface blow building to bottom of bucket in 24 minutes  
60 no blow

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
495.00	muddy water 95% w 5% m	6.40
5.00	clean oil gravity 34	0.07
0.00	60' gas in pipe	0.00
0.00	Rw .106 @ 86 == 62000	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O Farmer

**15 5s 20w Phillips KS**

**States A #1**

Job Ticket: 47926

**DST#: 1**

ATTN: John, Matt, Austin

Test Start: 2012.06.17 @ 15:15:22

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

62000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
495.00	muddy water 95% w 5% m	6.397
5.00	clean oil gravity 34	0.070
0.00	60' gas in pipe	0.000
0.00	Rw .106 @ 86== 62000	0.000

Total Length: 500.00 ft

Total Volume: 6.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

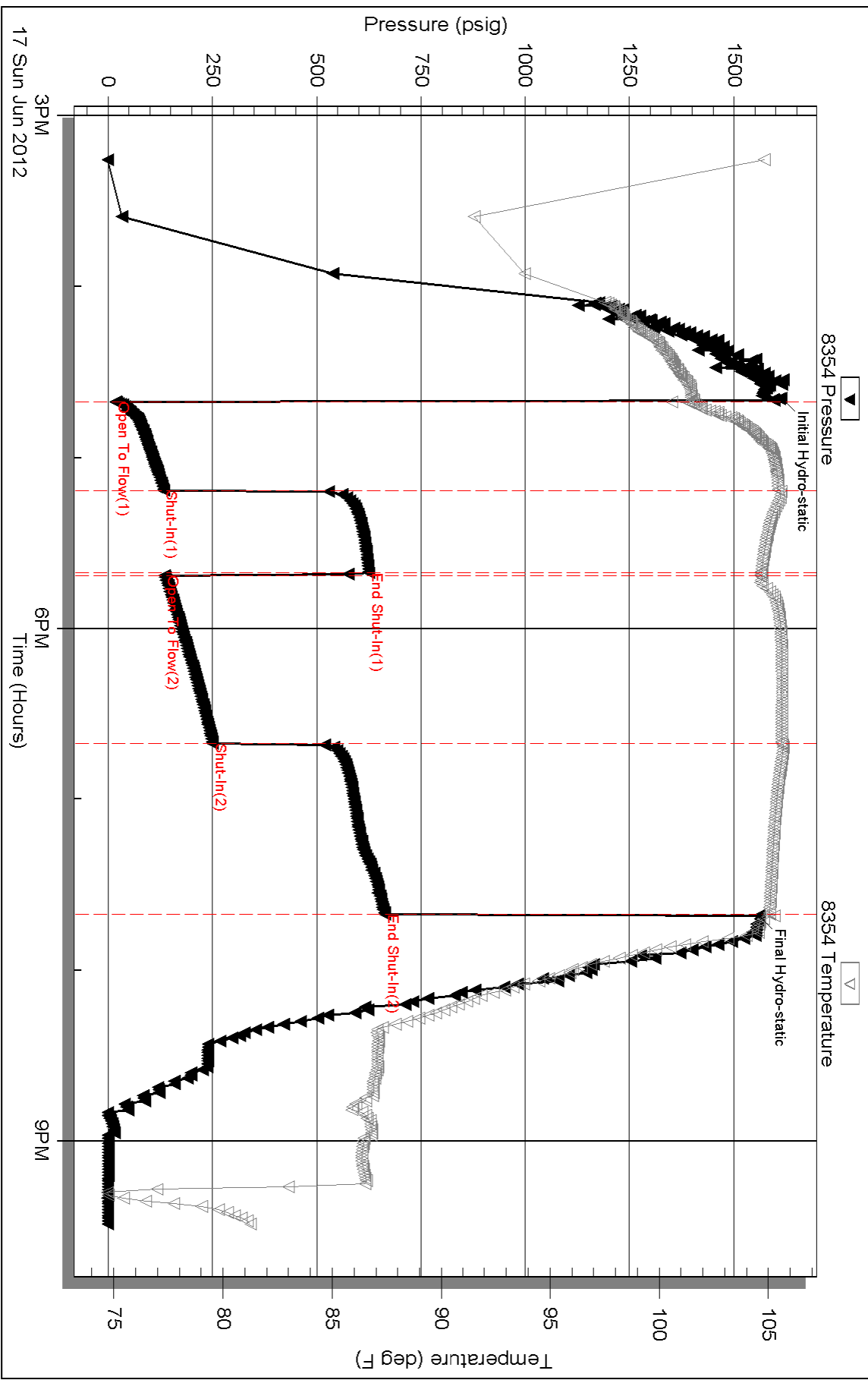
Inside

John O Farmer

States A #1

DST Test Number: 1

# Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47926

Printed: 2012.06.18 @ 03:38:33

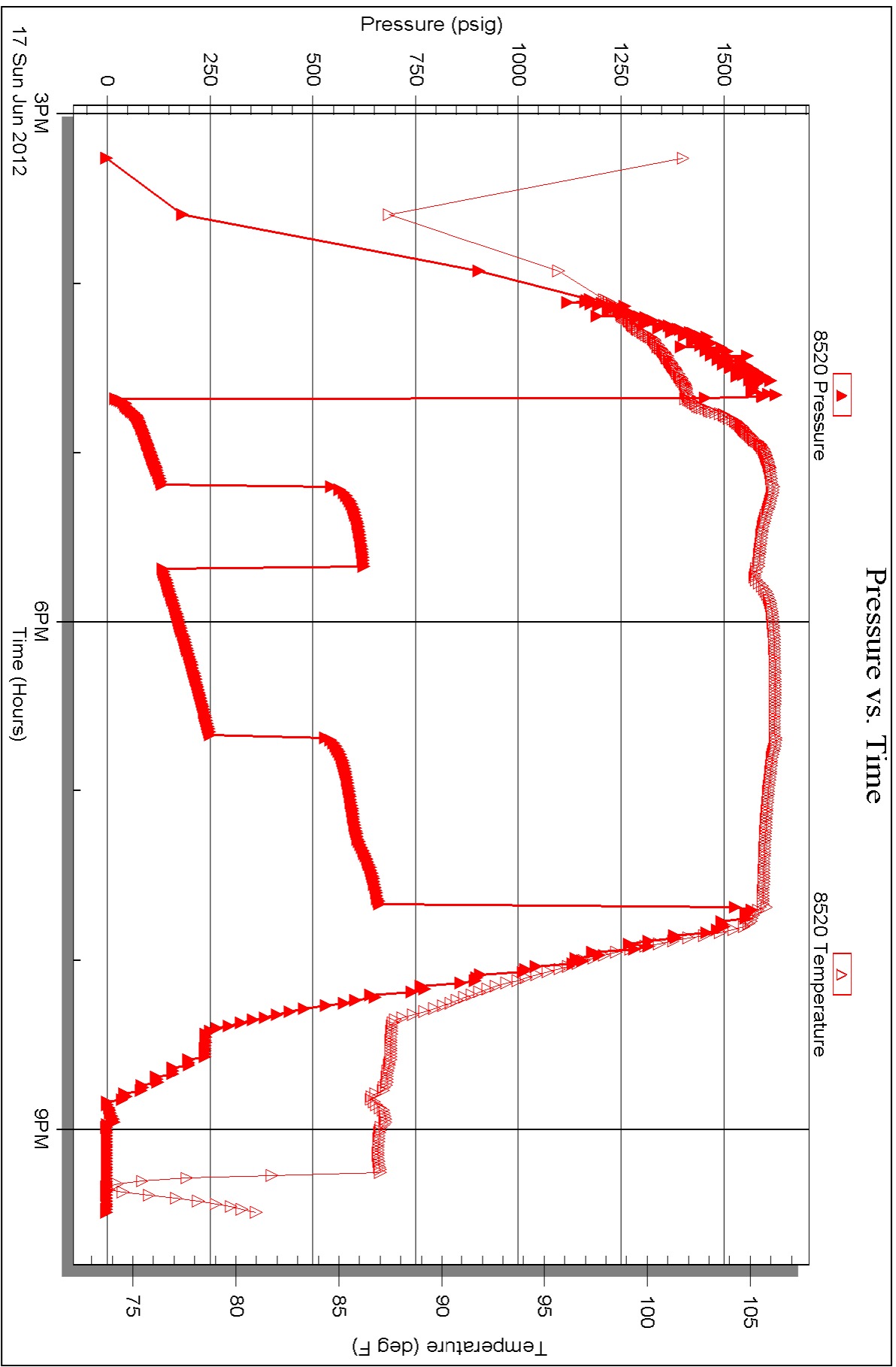


Serial #: 8520

Outside John O Farmer

States A #1

DST Test Number: 1





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47953

**DST#: 2**

ATTN: John, Matt, Austin

Test Start: 2012.06.18 @ 03:10:55

## GENERAL INFORMATION:

Formation: **Lansing D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:25:05

Time Test Ended: 08:46:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 38

**Interval: 3329.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Reference Elevations: 3135.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8520 Outside**

Press @ Run Depth: 287.99 psig @ 3332.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.18

End Date:

2012.06.18

Last Calib.:

2012.06.18

Start Time:

03:10:55

End Time:

08:46:25

Time On Btm:

2012.06.18 @ 04:24:15

Time Off Btm:

2012.06.18 @ 07:25:55

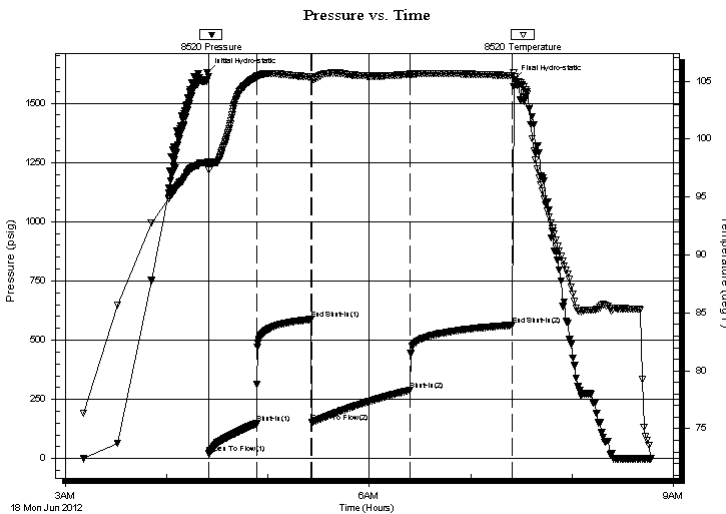
**TEST COMMENT:** 30-tool slid 4' before opening 1" blow built to bottom of bucket in 11 minutes

30- weak surface blow

60- bottom of bucket in 15 minutes

60- no blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.13	97.97	Initial Hydro-static
1	20.24	97.38	Open To Flow (1)
29	147.81	105.36	Shut-In(1)
62	587.11	105.35	End Shut-In(1)
62	151.37	105.25	Open To Flow (2)
120	287.99	105.57	Shut-In(2)
181	563.45	105.48	End Shut-In(2)
182	1599.47	105.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	clean oil 34 gravity	0.05
560.00	muddy w ater 95% w ater 5% mud	6.85
0.00	50' gas in pipe	0.00
0.00	Rw .126 @ 75 = 55,000ppm	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47953

**DST#: 2**

ATTN: John, Matt, Austin

Test Start: 2012.06.18 @ 03:10:55

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	clean oil 34 gravity	0.049
560.00	muddy water 95% water 5% mud	6.853
0.00	50' gas in pipe	0.000
0.00	Rw .126 @ 75 = 55,000ppm	0.000

Total Length: 570.00 ft

Total Volume: 6.902 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

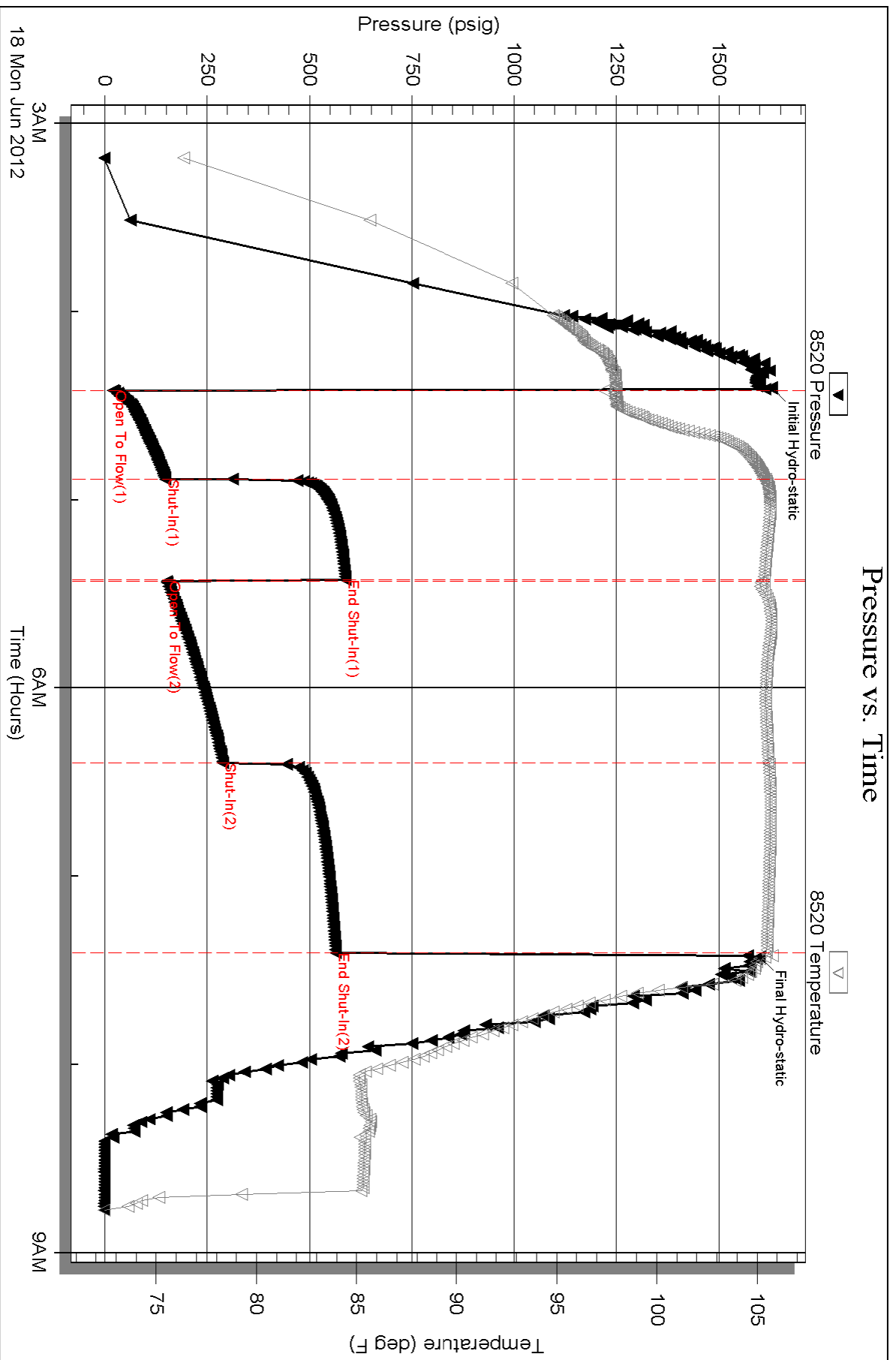
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .126@75

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47954

**DST#: 3**

ATTN: John, Matt, Austin

Test Start: 2012.06.18 @ 13:58:25

## GENERAL INFORMATION:

Formation: **Lansing E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:34:55

Time Test Ended: 19:01:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 38

**Interval: 3346.00 ft (KB) To 3368.00 ft (KB) (TVD)**

Reference Elevations: 3135.00 ft (KB)

Total Depth: 3368.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8653 Outside**

Press @ Run Depth: 48.76 psig @ 3350.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.18

End Date: 2012.06.18

Last Calib.: 2012.06.18

Start Time: 13:58:26

End Time: 19:01:25

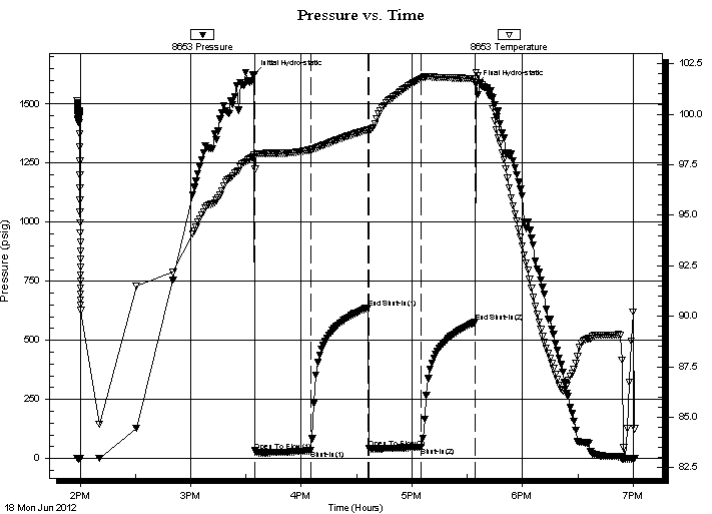
Time On Btm: 2012.06.18 @ 15:34:25

Time Off Btm: 2012.06.18 @ 17:34:55

**TEST COMMENT:** 30- weak blow died in 30 minutes

30 no blow

30-30- no blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1623.86	98.01	Initial Hydro-static
1	32.89	97.27	Open To Flow (1)
31	33.60	98.24	Shut-In(1)
62	637.71	99.22	End Shut-In(1)
63	44.73	99.18	Open To Flow (2)
91	48.76	101.77	Shut-In(2)
120	576.77	101.77	End Shut-In(2)
121	1583.60	102.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	muddy water 60% water 40% mud	0.37
0.00	Rw .24 @ 97 =19,000	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47954

**DST#: 3**

ATTN: John, Matt, Austin

Test Start: 2012.06.18 @ 13:58:25

## 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:

19000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	muddy water 60% water 40% mud	0.369
0.00	Rw .24 @ 97 =19,000	0.000

Total Length: 75.00 ft      Total Volume: 0.369 bbl

Num Fluid Samples: 0

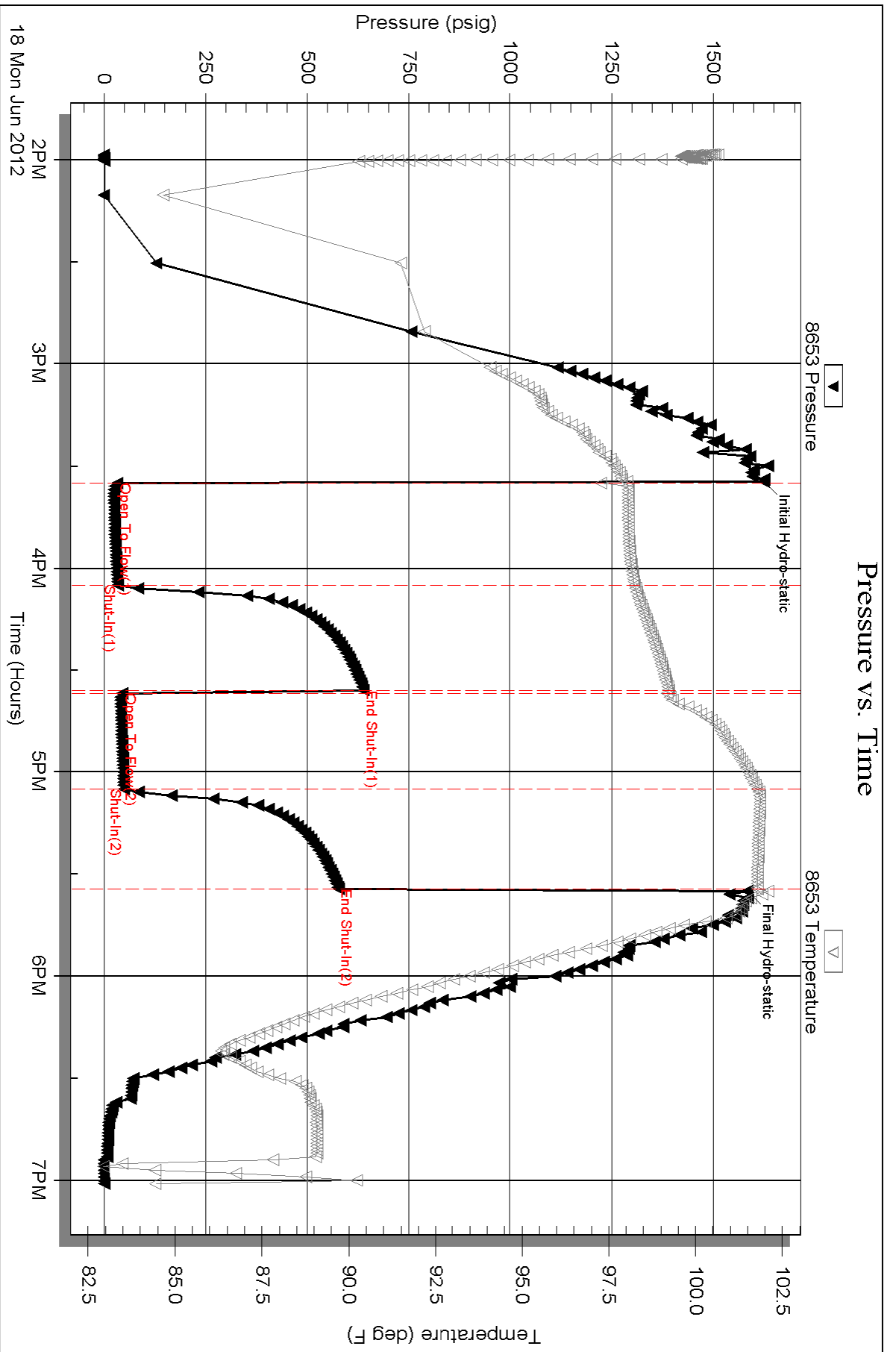
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47955

**DST#: 4**

ATTN: John, Matt, Austin

Test Start: 2012.06.19 @ 10:32:45

## GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:05

Time Test Ended: 16:20:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 3387.00 ft (KB) To 3472.00 ft (KB) (TVD)**

Reference Elevations: 3135.00 ft (KB)

Total Depth: 3472.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8520 Outside**

Press @ Run Depth: 81.74 psig @ 3457.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.19 End Date: 2012.06.19

Last Calib.: 2012.06.19

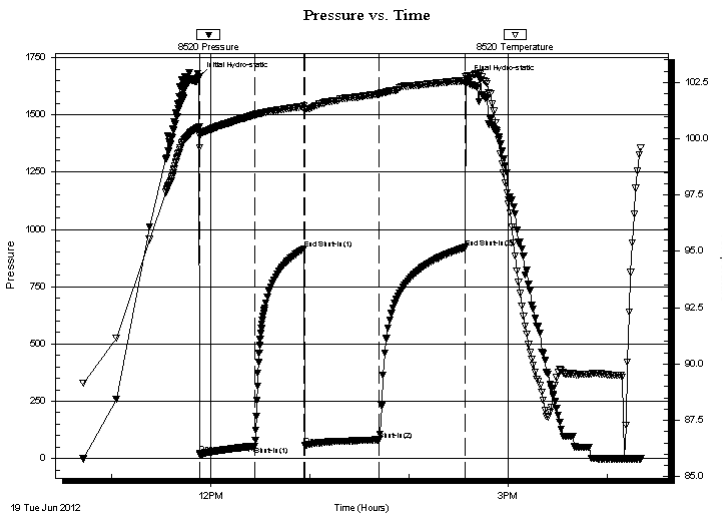
Start Time: 10:42:45 End Time: 16:20:45

Time On Btm: 2012.06.19 @ 11:52:55

Time Off Btm: 2012.06.19 @ 14:35:15

**TEST COMMENT:** IF-Very weak building blow . Built to 1&3/4 inches.  
ISI-No Return.  
FF-Very weak building blow . Built to 1&1/2 inches.  
FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1667.83	100.52	Initial Hydro-static
1	21.53	99.59	Open To Flow (1)
34	54.14	101.06	Shut-In(1)
64	915.13	101.45	End Shut-In(1)
64	58.37	101.26	Open To Flow (2)
109	81.74	101.98	Shut-In(2)
161	921.24	102.58	End Shut-In(2)
163	1656.16	102.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
135.00	2%Oil/98%Mud	0.80

## Gas Rates

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





**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47955

**DST#: 4**

ATTN: John, Matt, Austin

Test Start: 2012.06.19 @ 10:32:45

## 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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	2%Oil/98%Mud	0.801

Total Length: 135.00 ft      Total Volume: 0.801 bbl

Num Fluid Samples: 0

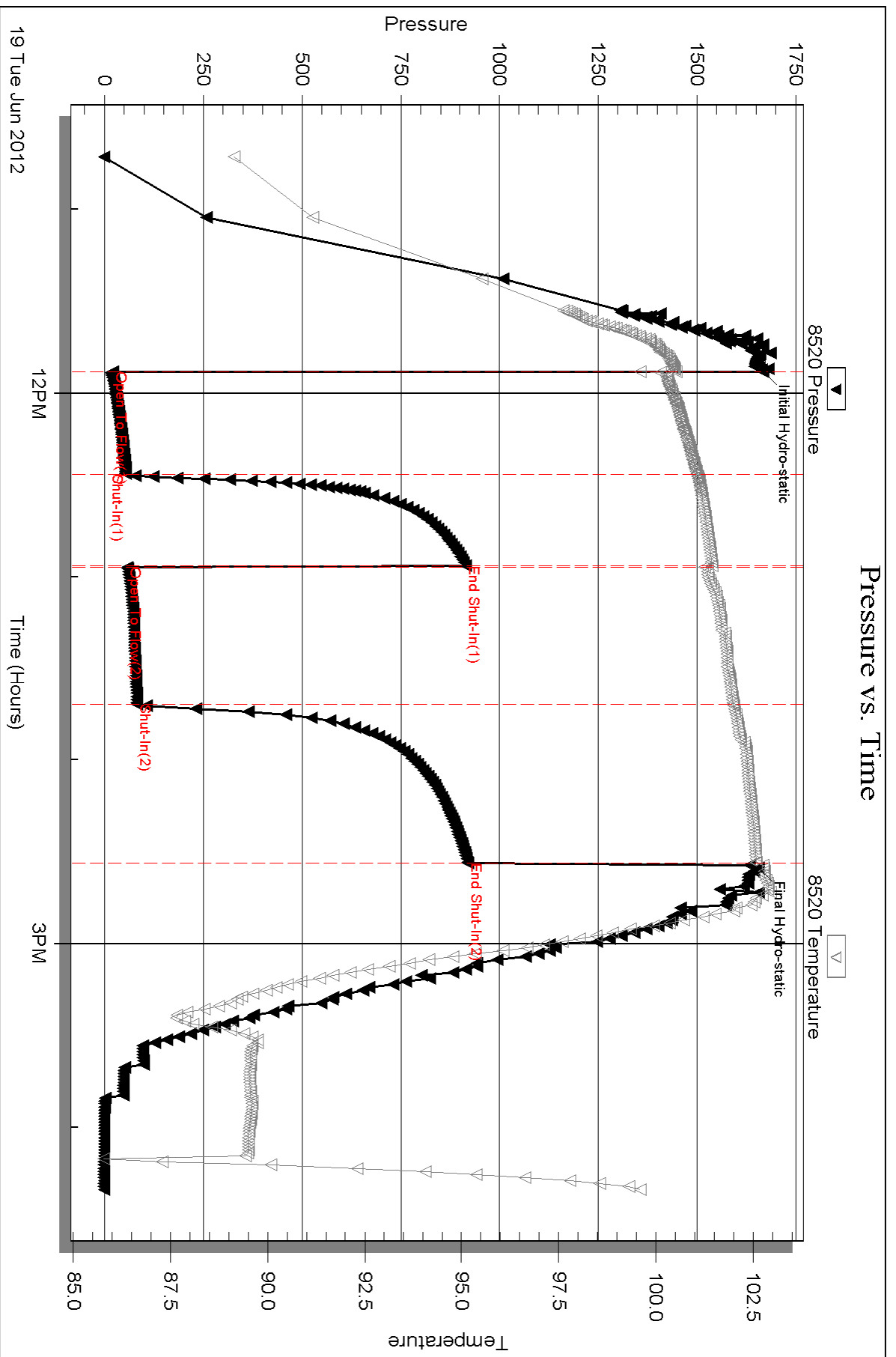
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47956

**DST#: 5**

ATTN: John, Matt, Austin

Test Start: 2012.06.20 @ 09:26:15

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:05

Time Test Ended: 15:38:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 3546.00 ft (KB) To 3572.00 ft (KB) (TVD)**

Reference Elevations: 3135.00 ft (KB)

Total Depth: 3618.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8354 Inside**

Press @ Run Depth: 448.24 psig @ 3547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.20 End Date: 2012.06.20

Last Calib.: 2012.06.20

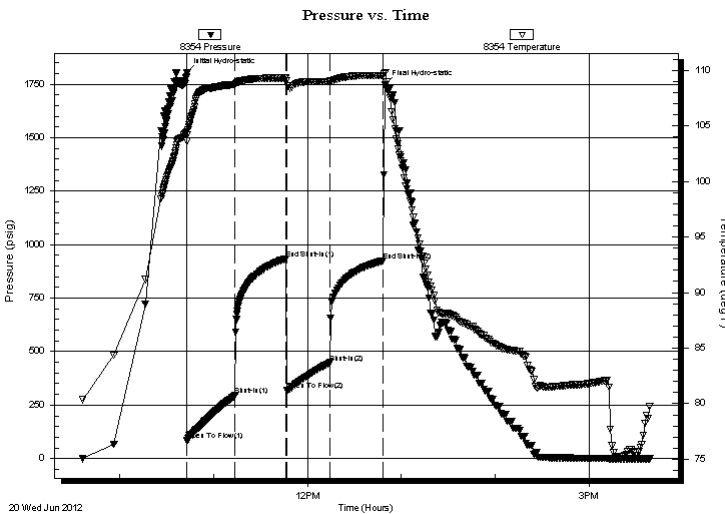
Start Time: 09:36:15 End Time: 15:38:45

Time On Btm: 2012.06.20 @ 10:42:55

Time Off Btm: 2012.06.20 @ 12:49:45

**TEST COMMENT:** IF-Strong building blow . BOB in 2 minutes.  
ISI-Return @ 1 minute 30 seconds. Built to 5 inches.  
FF-Strong building blow . BOB in 4 minutes.  
FSI-Return @ 2 minutes. Built to 3 inches.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.18	104.43	Initial Hydro-static
1	85.84	103.60	Open To Flow (1)
31	295.27	108.71	Shut-In(1)
64	934.43	109.30	End Shut-In(1)
64	319.71	109.09	Open To Flow (2)
92	448.24	108.98	Shut-In(2)
126	923.92	109.51	End Shut-In(2)
127	1748.84	109.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1140.00	25% Gas/70% Oil/5% Water	14.90
150.00	60% Gas/35% Oil/5% Water	2.10
0.00	150' G.I.P.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47956

**DST#: 5**

ATTN: John, Matt, Austin

Test Start: 2012.06.20 @ 09:26:15

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:05

Time Test Ended: 15:38:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 3546.00 ft (KB) To 3572.00 ft (KB) (TVD)**

Reference Elevations: 3135.00 ft (KB)

Total Depth: 3618.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8653 Below (Straddle)**

Press @ Run Depth: psig @ 3584.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.20

End Date: 2012.06.20

Last Calib.: 2012.06.20

Start Time: 09:26:46

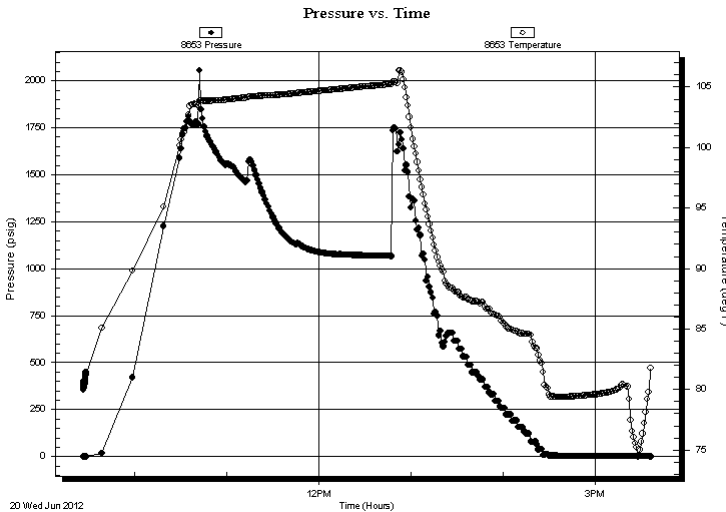
End Time: 15:36:45

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF-Strong building blow . BOB in 2 minutes.  
ISI-Return @ 1 minute 30 seconds. Built to 5 inches.  
FF-Strong building blow . BOB in 4 minutes.  
FSI-Return @ 2 minutes. Built to 3 inches.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
1140.00	25% Gas/70% Oil/5% Water	14.90
150.00	60% Gas/35% Oil/5% Water	2.10
0.00	150' G.I.P.	0.00

## Gas Rates

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



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

John O Farmer

**15 5s 20w Phillips KS**

Box 352  
Russell KS

**States A #1**

Job Ticket: 47956

**DST#: 5**

ATTN: John, Matt, Austin

Test Start: 2012.06.20 @ 09:26:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1140.00	25%Gas/70%Oil/5%Water	14.898
150.00	60%Gas/35%Oil/5%Water	2.104
0.00	150' G.I.P.	0.000

Total Length: 1290.00 ft      Total Volume: 17.002 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

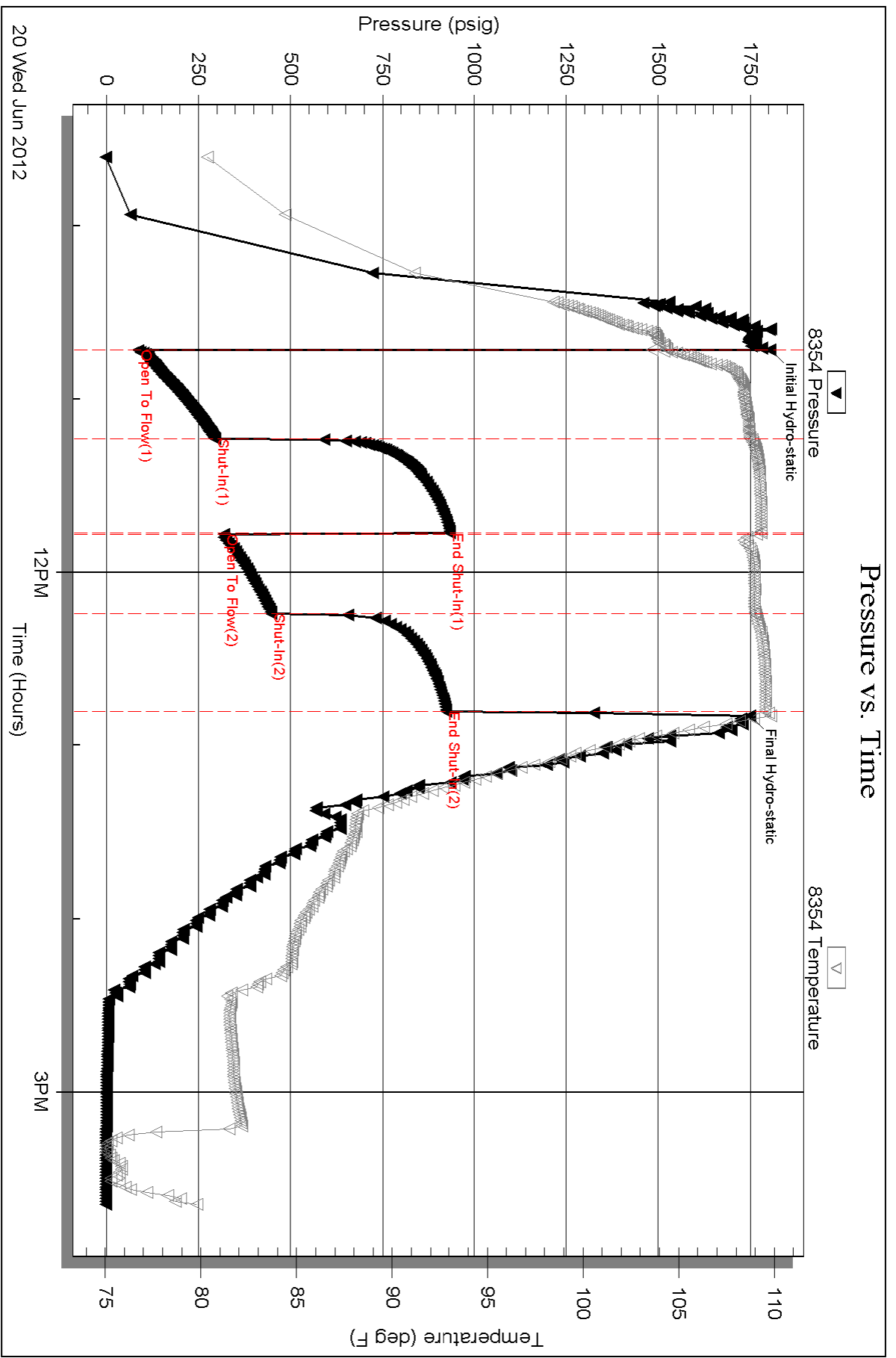
Serial #: 8354

Inside

John O Farmer

States A #1

DST Test Number: 5

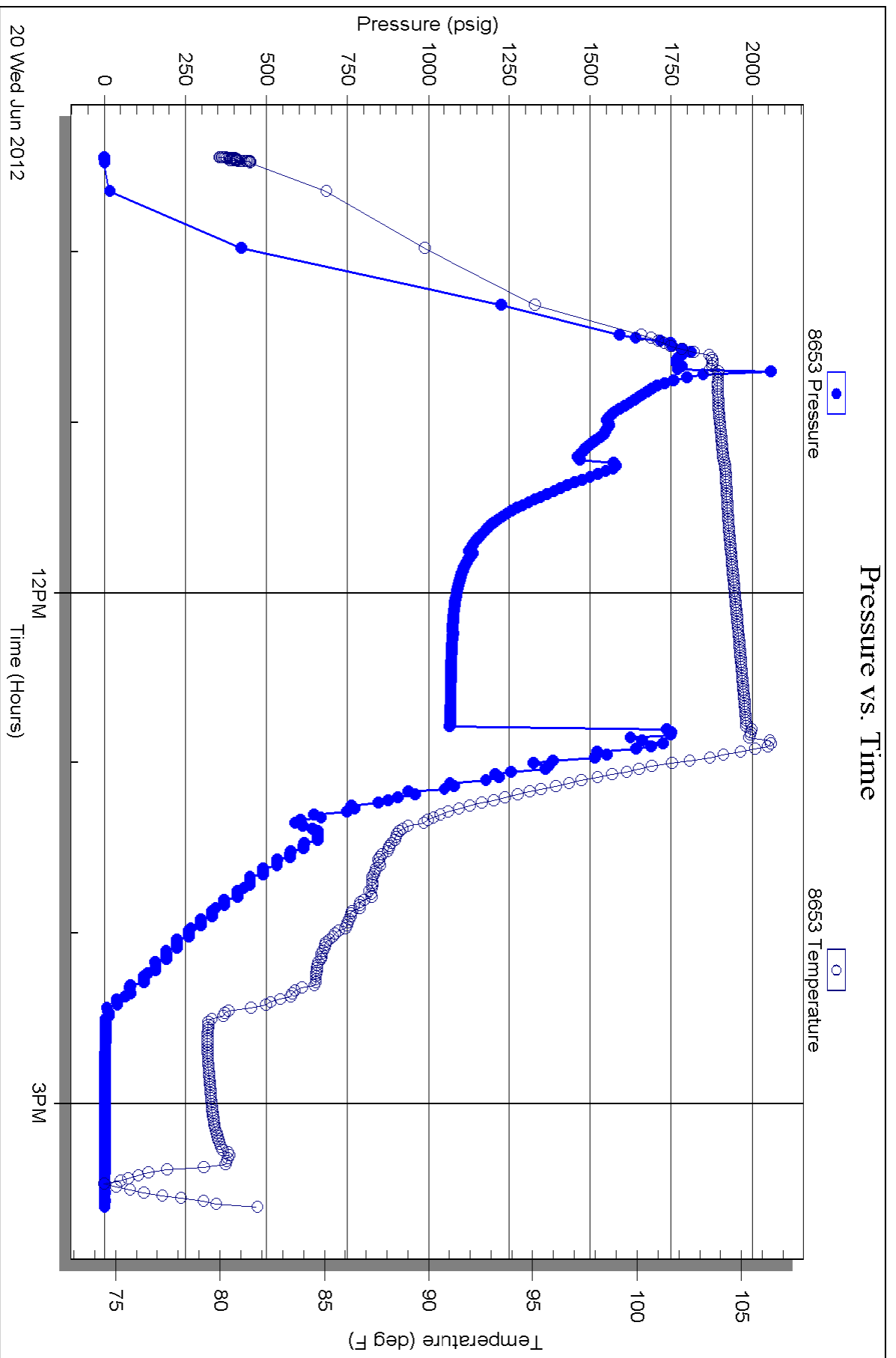


Serial #: 8653

Below (Straddled) Farmer

States A #1

DST Test Number: 5



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  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 06, 2012

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

Re: ACO1  
API 15-147-20681-00-00  
States A 1  
NE/4 Sec.15-05S-20W  
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



# ALLIED OIL & GAS SERVICES, LLC 056144

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67645

SERVICE POINT: Russell

DATE <u>6-14-12</u>	SEC <u>15</u>	TWP <u>03</u>	RANGE <u>08</u>	CALLIED OUT	ON LOCATION	JOB START <u>9:00</u>	JOB FINISH <u>4:30</u>
LEASE <u>States A</u>			WELL# <u>1</u>	LOCATION <u>logan 3 S 34E 34N 41MB</u>		COUNTY <u>PHILLIPS</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>WV #1</u>	OWNER
TYPE OF JOB <u>34E 34N</u>	CEMENT
HOLE SIZE <u>12 1/8</u>	AMOUNT ORDERED <u>1160 @ Class A</u>
CASING SIZE <u>8 3/4</u>	<u>34E 24' 60'</u>
TUBING SIZE	
DRILL PIPE	
TOOL	
PRES. MAX	
MEAS. LINE	
CEMENT LEFT IN CSG. <u>13</u>	
PERFS.	
DISPLACEMENT <u>135</u>	

EQUIPMENT					
PUMP TRUCK # <u>409</u>	CEMENTER <u>Todd Melanchar</u>	COMMON <u>160</u>	@ <u>16.25</u>	<u>2600.00</u>	
BULK TRUCK # <u>410</u>	HELPER <u>Yony Pfannenstiel</u>	POZMIX	@		
BULK TRUCK #	DRIVER <u>Robert Yakubovich</u>	GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>	
		CHLORIDE <u>6</u>	@ <u>58.30</u>	<u>349.80</u>	
		ASC	@		
			@		
			@		
			@		
			@		
			@		
			@		
		HANDLING <u>169</u>	@ <u>2.25</u>	<u>380.25</u>	
		MILEAGE <u>13, 182</u>	@ <u>11</u>	<u>1450.22</u>	
				<b>TOTAL</b>	<b><u>4843.22</u></b>

REMARKS:  
34E 34N location, mix 1160 @ Class A  
34E 24' 60', Displace 34E 24' well in  
cement DID Circulate 1/2 @ 34E 24'  
Thanks!

SERVICE			
DEPTH OF JOB			
PUMP TRUCK CHARGE		<u>1125.00</u>	
EXTRA FOOTAGE	@		
MILEAGE <u>1114</u>	@ <u>7.00</u>	<u>546.20</u>	
MANIFOLD	@		
<u>1114</u>	@ <u>4.00</u>	<u>312.62</u>	
	@		
		<b>TOTAL</b>	<b><u>1983.82</u></b>

CHARGE TO: John O Farmer INC  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
	@
	@
	@
	TOTAL <u>0</u>

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)	<u>204.88</u>	
TOTAL CHARGES	<u>6,826.22</u>	
DISCOUNT <u>20/50</u>	<u>2057.65</u>	IF PAID IN 30 DAYS
	<u>4768.57</u>	Net before tax

PRINTED NAME \_\_\_\_\_  
SIGNATURE John Mayer

# ALLIED OIL & GAS SERVICES, LLC 056150

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell

DATE <u>6-21-12</u>	SEC <u>15</u>	TWP <u>35</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30</u>	JOB FINISH <u>2:30</u>
LEASE <u>States</u>	WELL# <u>A-1</u>	LOCATION <u>logan 3S 34E 34N. E NW</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR <u>WW #6</u>	OWNER
TYPE OF JOB <u>Port Collar</u>	
HOLE SIZE <u>5 1/2</u> T.D. <u>3618</u>	CEMENT
CASING SIZE <u>5 1/2</u> DEPTH <u>3618.30</u>	AMOUNT ORDERED <u>160x 6.655 A 10% salt</u>
TUBING SIZE	
DRILL PIPE	
TOOL <u>Port collar</u> DEPTH <u>1670</u>	
PRES. MAX <u>3128</u> MINIMUM	COMMON <u>160</u> @ <u>16.25</u> <u>2600.00</u>
MEAS. LINE	POZMIX @
CEMENT LEFT IN CSG. <u>22</u>	GEL @
PERFS.	CHLORIDE @
DISPLACEMENT <u>B.T.B.</u>	ASC @

EQUIPMENT		ASC	18	@	23.95	431.10
PUMP TRUCK # <u>409</u>	CEMENTER <u>John Melarech</u>	mud flush	40 gal	@	1.27	635.00
	HELPER <u>John Pfeiffer</u>	KCL	2 gal	@	31.25	62.50
BULK TRUCK # <u>396</u>	DRIVER <u>Jeremy Adams (Anley)</u>			@		
BULK TRUCK #	DRIVER <u>Richard Walcomb</u>			@		
		HANDLING	<u>17.0</u>	@	<u>2.25</u>	<u>405.50</u>
		MILEAGE	<u>13, 884</u>	@	<u>.11</u>	<u>1527.24</u>
					TOTAL	<u>5656.34</u>

REMARKS:  
can be, mix of, mix of 60 mud flush  
call by 10:00 KCL, mix 30% in rest of  
only 130x down well, cleared line  
displaced 6-7-12 B.T.B. plug bonded &  
1200 x re-logged well  
plug down at  
HHK/ST

SERVICE					
DEPTH OF JOB					
PUMP TRUCK CHARGE					<u>2225.00</u>
EXTRA FOOTAGE	@				
MILEAGE	<u>MIW</u>	<u>78</u>	@	<u>7.00</u>	<u>546.00</u>
MANIFOLD	@				
	<u>MIW</u>	<u>78</u>	@	<u>4.00</u>	<u>312.00</u>
			@		
					TOTAL <u>3083</u>

CHARGE TO: John O Farmer INC.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT					
<u>1/2</u>	<u>6.655</u>	<u>slpc</u>	@		<u>16.68</u>
		<u>well down plug/bottle</u>	@		<u>1.94</u>
		<u>port collar</u>	@		<u>1880</u>
		<u>centralizers</u>	<u>5</u>	@	<u>34</u>
		<u>dashers</u>	<u>9</u>	@	<u>236</u>
					TOTAL <u>2824.10</u>

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any)	<u>445.57</u>
TOTAL CHARGES	<u>11,663.34</u>
DISCOUNT <u>20/50</u>	<u>3028.24</u> IF PAID IN 30 DAYS
Net	<u>8535.10</u>
	<u>BS 6-21</u>
	<u>before tax</u>

PRINTED NAME \_\_\_\_\_

SIGNATURE Ann Werringer

# ALLIED OIL & GAS SERVICES, LLC 056161

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>7-3-12</u>	SEC <u>15</u>	TWP <u>30</u>	RANGE <u>2D</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00</u>	JOB FINISH <u>11:30</u>
LEASE <u>Stax 23</u>	WELL # <u>A-1</u>	LOCATION <u>Bygon 35 NE 34 N 6 N 10</u>			COUNTY <u>PHILLIPS</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)						<u>2-04</u>	<u>6'</u>

CONTRACTOR W.D. OWNER \_\_\_\_\_

TYPE OF JOB Pix Max

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE 2 3/8" DEPTH 1677

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL PL DEPTH 1670

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

EQUIPMENT

PUMP TRUCK \_\_\_\_\_ CEMENTER John

# 409 HELPER John

BULK TRUCK \_\_\_\_\_

# 481 DRIVER Robert Y.

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT AMOUNT ORDERED 3DD ax 60/42  
47.621 Flow

COMMON	<u>99</u>	@	<u>16.25</u>	<u>1608.75</u>
POZMIX	<u>66</u>	@	<u>8.30</u>	<u>546.42</u>
GEL	<u>6</u>	@	<u>21.25</u>	<u>127.50</u>
CHLORIDE		@		
ASC		@		
<u>Flow 0.21</u>	<u>3%</u>	@	<u>2.70</u>	<u>97.20</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>313</u>	@	<u>2.25</u>	<u>704.25</u>
MILEAGE	<u>24,414</u>	@	<u>11</u>	<u>268.55</u>
TOTAL				<u>2783.47</u>

REMARKS:

Ground pt. located tubing. Prepared to remove well. Estimated after 26.00 hrs. of work from back side check up from tubing. mixed 1/2 hr. cement to 100% hold can fix. If weight clean 2.8 lbs. Cement did circulate in surface as planned.

CHARGE TO: John D. Farmer AK

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_

SIGNATURE John D. Farmer

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1925.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>MIAV 7B</u>	@	<u>7.10</u>	<u>546.00</u>
MANIFOLD	@		
<u>MIAV 7B</u>	@	<u>4.10</u>	<u>312</u>
TOTAL <u>2783.47</u>			

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL <u>0</u>			

SALES TAX (if Any) 162.82

TOTAL CHARGES 2946.29

DISCOUNT 20/50 2776.51 IF PAID IN 30 DAYS

net 5790.73 BS 7-6  
before tax