



**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 <span style="float:right">Top Datum</span>
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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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Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	Algrim 13-28
Doc ID	1323299

All Electric Logs Run

Compensated Sonic
Photo Density Com Neutron Micro
Electric Log
Microrestivity log
Caliper

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	Algrim 13-28
Doc ID	1323299

Tops

Name	Top	Datum
Anhydrite	1990	2055
Hebner	4006	-1152
Lansing	4055	-1201
Stark	4374	-1520
B/KC	4407	-1553
Marm	4530	-1676
Pawnee	4604	-1750
Ft Scott	4630	-1776
Cher	4644	-1790
Morrow	4716	-1862
Miss (Ste.Gen	4780	-1926
St Louis	4866	-2012
Osage	4947	-2093
Kinderhook	4947	-2302
Viola	5176	2322



## Summary of Changes

Lease Name and Number: Algrim 13-28

API/Permit #: 15-055-22422-00-00

Doc ID: 1323299

Correction Number: 2

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	11/09/2016	11/29/2016
Completion Or Recompletion Date	09/20/2015	10/27/2016
Save Link	../kcc/detail/operatorE ditDetail.cfm?docID=13 21807	../kcc/detail/operatorE ditDetail.cfm?docID=13 23299
Temporarily Abandoned	Yes	No



Confidentiality Requested:

Yes  No

# 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: \_\_\_\_\_



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1264311  
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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Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	Algrim 13-28
Doc ID	1264311

All Electric Logs Run

Compensated Sonic
Photo Density Com Neutron Micro
Electric Log
Microrestivity log
Caliper

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	Algrim 13-28
Doc ID	1264311

Tops

Name	Top	Datum
Anhydrite	1990	2055
Hebner	4006	-1152
Lansing	4055	-1201
Stark	4374	-1520
B/KC	4407	-1553
Marm	4530	-1676
Pawnee	4604	-1750
Ft Scott	4630	-1776
Cher	4644	-1790
Morrow	4716	-1862
Miss (Ste.Gen	4780	-1926
St Louis	4866	-2012
Osage	4947	-2093
Kinderhook	4947	-2302
Viola	5176	2322



# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975904

067366

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Liberal @ D

DATE	9-21-15	SEC.	28	TWP.	23	RANGE	30	CALLED OUT	ON LOCATION	JOB START	10:30am	JOB FINISH	11:30am
LEASE	<u>Algrin</u>	WELL #	13-28	LOCATION	<u>Garden City MS, E on 30 to Pala</u>				COUNTY	Finney	STATE	KS	
OLD OR (NEW)	(Circle one)			<u>Line R.D. 6 East, to rd. 3, 9 North, East into</u>									

CONTRACTOR	<u>Duke #7</u>	OWNER	
TYPE OF JOB	<u>2 Stage Production</u>	CEMENT	
HOLE SIZE	<u>7 7/8</u>	T.D.	
CASING SIZE	<u>5 7/8 15.5</u>	DEPTH	<u>5388</u>
TUBING SIZE		DEPTH	
DRILL PIPE		DEPTH	
TOOL	<u>BN Tool</u>	DEPTH	<u>19.51</u>
PRES. MAX		MINIMUM	
MEAS. LINE		SHOE JOINT	<u>43</u>
CEMENT LEFT IN CSG.			<u>1 bbl</u>
PERFS.			
DISPLACEMENT	<u>127.2 bbl</u>		

EQUIPMENT			
PUMP TRUCK CEMENTER	<u>Aldo Espinara</u>		
# 903-301 HELPER	<u>Alex Ayala</u>		
BULK TRUCK			
# 998-1066 DRIVER	<u>Ivan Carrillo</u>		
BULK TRUCK			
# 868-642 DRIVER	<u>Lenny Bacco</u>		

AMOUNT ORDERED	<u>180m Allied Special Blend</u>		
	<u>Class A, 260 SK Allied Heavy Density</u>		
	<u>4.5 SA 65/95 65gal</u>		
COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
HWIS Swoop	<u>12 bbl</u>	@	<u>25.00 300.00</u>
CB-ASA Cement - Class A	<u>180m</u>	@	<u>23.50 4,230.00</u>
KOI-Seal	<u>900</u>	@	<u>2.28 2052.00</u>
CPF-210	<u>51</u>	@	<u>18.90 963.90</u>
CPF-100P	<u>26</u>	@	<u>3.50 91.00</u>
A.M.D. Cement Class A	<u>260m</u>	@	<u>26.37 6,856.20</u>
Collapser Plates	<u>77</u>	@	<u>8.97 688.69</u>
A.L.W.C - Class A	<u>45 SK</u>	@	<u>19.88 894.60</u>
TOTAL			<u>14,498.39</u>
DISCOUNT	<u>50 %</u>		<u>7249.19</u>

REMARKS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CHARGE TO: K3 Oil and gas operating  
STREET \_\_\_\_\_  
CITY Houston STATE TX ZIP 77073

SERVICE			
HANDLING	<u>571</u>	<u>ft<sup>3</sup></u>	@ <u>2.48 1,416.08</u>
MILEAGE	<u>Proyage</u>	<u>18479</u>	<u>mi @ 2.75 5,102.25</u>
DEPTH OF JOB	<u>All hours</u>	<u>2</u>	@ <u>440.00 880.00</u>
PUMP TRUCK CHARGE			<u>3,099.25</u>
EXTRA FOOTAGE	<u>All stage</u>	<u>1</u>	@ <u>2,406.25</u>
HV MILEAGE	<u>50</u>	<u>mile</u>	@ <u>7.70 385.00</u>
LV MILEAGE	<u>50</u>	<u>mile</u>	@ <u>4.40 220.00</u>
Manifold	<u>1</u>		@ <u>275.00 275.00</u>
			@
TOTAL			<u>18,110.83</u>
DISCOUNT	<u>50 %</u>		<u>9055.41</u>

PLUG & FLOAT EQUIPMENT			
APV Plugger float shoe	<u>1</u>	@	<u>545.00 545.00</u>
2 Stage Collar/floathead	<u>1</u>	@	<u>5,335.00 5,335.00</u>
Cement Basket	<u>4</u>	@	<u>395.00 1,580.00</u>
Turbolifts	<u>22</u>	@	<u>95.00 2,090.00</u>
		@	
TOTAL			<u>9,555.00</u>
DISCOUNT	<u>50 %</u>		<u>4777.50</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.

PRINTED NAME \_\_\_\_\_  
SIGNATURE [Signature]

SALES TAX (If Any)	
TOTAL CHARGES	<u>36,159.22</u>
DISCOUNT	<u>18,079.61</u> IF PAID IN 30 DAYS
NET TOTAL	<u>18,079.61</u> IF PAID IN 30 DAYS



## DRILL STEM TEST REPORT

Prepared For: **K 3 Oil & Gas**

211 Highland Cross Suite 250  
Houston TX 77073

ATTN: Auston Garner

### **Algrim #13-18**

#### **26-23s-30w Finney,KS**

Start Date: 2015.09.17 @ 10:15:15

End Date: 2015.09.17 @ 15:56:30

Job Ticket #: 64473                      DST #: 1

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

Printed: 2015.09.21 @ 11:43:26



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

K 3 Oil & Gas  
 211 Highland Cross Suite 250  
 Houston TX 77073  
 ATTN: Auston Garner

**26-23s-30w Finney,KS**

**Algrim #13-18**

Job Ticket: 64473

**DST#: 1**

Test Start: 2015.09.17 @ 10:15:15

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:32:15  
 Time Test Ended: 15:56:30  
 Interval: **4720.00 ft (KB) To 4747.00 ft (KB) (TVD)**  
 Total Depth: 4747.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2851.00 ft (KB)  
 2841.00 ft (CF)  
 KB to GR/CF: 10.00 ft

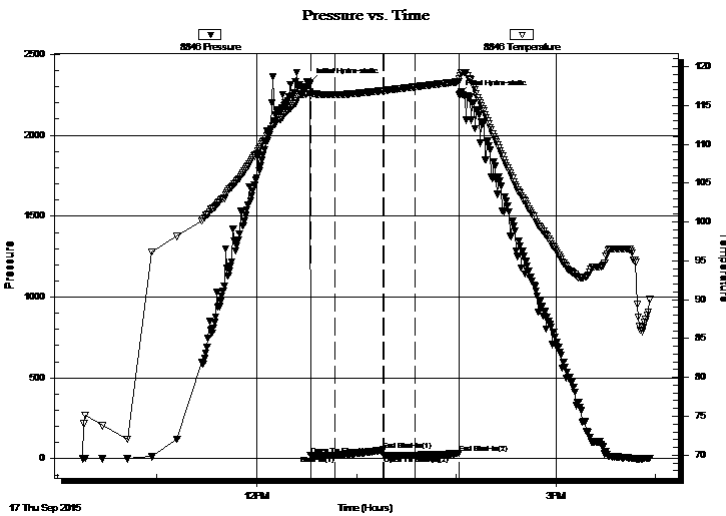
## Serial #: 8846

Inside

Press@RunDepth: 22.36 psig @ 4742.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.09.17 End Date: 2015.09.17 Last Calib.: 2015.09.17  
 Start Time: 10:15:15 End Time: 15:56:30 Time On Btm: 2015.09.17 @ 12:32:00  
 Time Off Btm: 2015.09.17 @ 14:01:45

TEST COMMENT: IF:Weak blow died in 2 min.  
 IS:No return blow  
 FF:No blow  
 FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.95	116.72	Initial Hydro-static
1	22.49	116.26	Open To Flow (1)
16	21.10	116.38	Shut-In(1)
44	55.03	116.92	End Shut-In(1)
45	21.70	116.91	Open To Flow (2)
63	22.36	117.39	Shut-In(2)
90	32.21	118.07	End Shut-In(2)
90	2248.69	118.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

K 3 Oil & Gas  
211 Highland Cross Suite 250  
Houston TX 77073  
ATTN: Auston Garner

**26-23s-30w Finney,KS**  
**Algrim #13-18**  
Job Ticket: 64473 **DST#: 1**  
Test Start: 2015.09.17 @ 10:15:15

**Tool Information**

Drill Pipe:	Length: 4537.00 ft	Diameter: 3.80 inches	Volume: 63.64 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 64.54 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	73000.00 lb
Depth to Top Packer:	4720.00 ft			Final	73000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	51.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4697.00	
Shut In Tool	5.00			4702.00	
Hydraulic tool	5.00			4707.00	
Jars	5.00			4712.00	
Safety Joint	3.00			4715.00	
Packer	5.00			4720.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4720.00	
Stubb	1.00			4721.00	
Perforations	21.00			4742.00	
Recorder	0.00	8846	Inside	4742.00	
Recorder	0.00	8737	Outside	4742.00	
Bullnose	5.00			4747.00	27.00 Anchor Tool

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

K 3 Oil & Gas

**26-23s-30w Finney,KS**

211 Highland Cross Suite 250  
Houston TX 77073

**Algrim #13-18**

Job Ticket: 64473

**DST#: 1**

ATTN: Auston Garner

Test Start: 2015.09.17 @ 10:15:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbf

Num Fluid Samples: 0

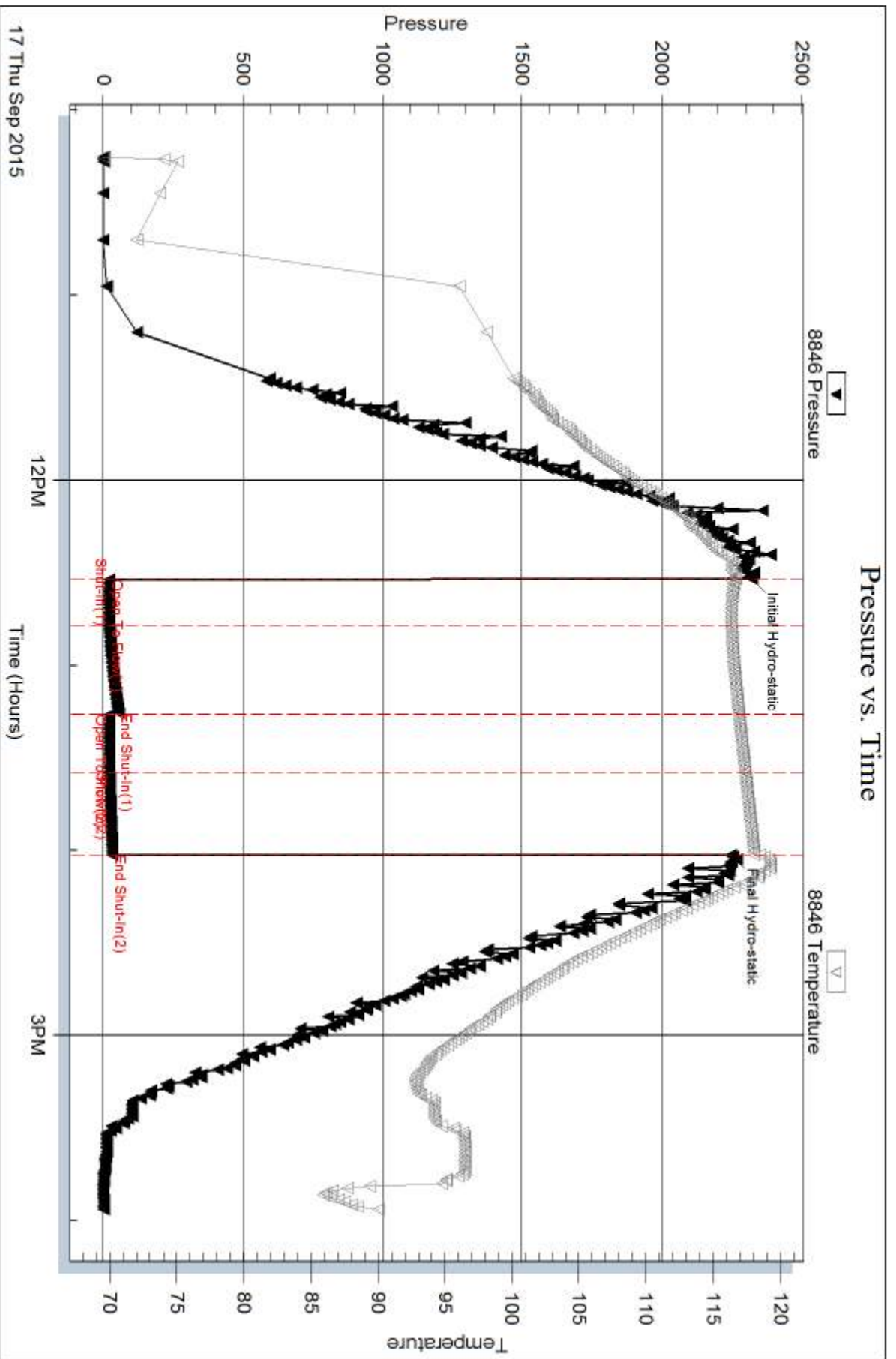
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

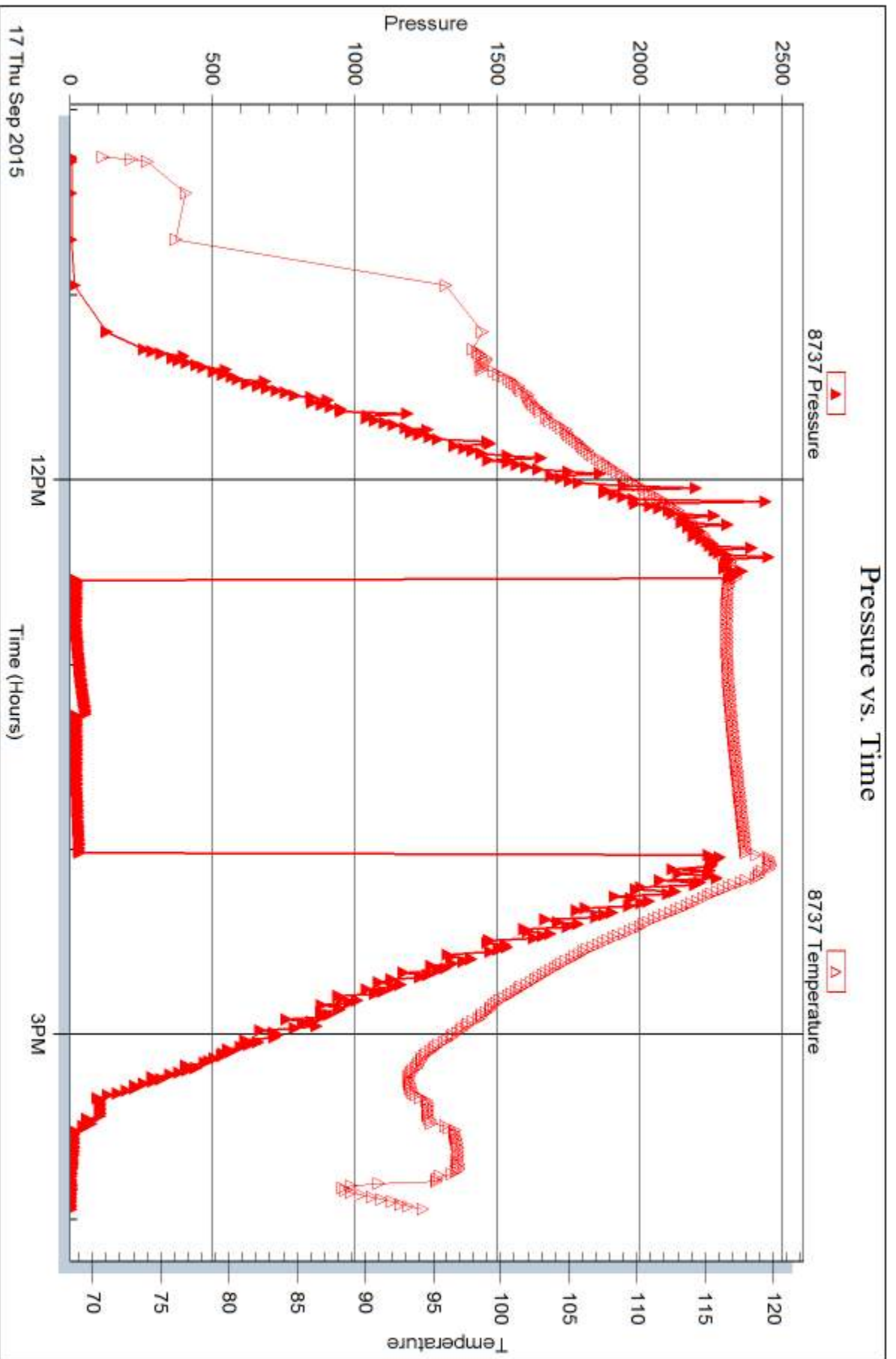


Serial #: 8737

Outside K 3 Oil & Gas

Algrim #13-18

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64473

Printed: 2015.09.21 @ 11:43:30



## DRILL STEM TEST REPORT

Prepared For: **K 3 Oil & Gas**

211 Highland Cross Suite 250  
Houston TX 77073

ATTN: Auston Garner

### **Algrim #13-18**

#### **26-23s-30w Finney,KS**

Start Date: 2015.09.19 @ 18:10:47

End Date: 2015.09.20 @ 04:25:32

Job Ticket #: 45511                      DST #: 2

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

Printed: 2015.09.21 @ 11:43:04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

K 3 Oil & Gas  
211 Highland Cross Suite 250  
Houston TX 77073  
ATTN: Auston Garner

**26-23s-30w Finney,KS**

**Algrim #13-18**

Job Ticket: 45511

**DST#: 2**

Test Start: 2015.09.19 @ 18:10:47

## GENERAL INFORMATION:

Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:59:32  
 Time Test Ended: 04:25:32  
 Interval: **4760.00 ft (KB) To 4790.00 ft (KB) (TVD)**  
 Total Depth: 5396.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Shane McBride  
 Unit No: 84  
 Reference Elevations: 2851.00 ft (KB)  
 2841.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8938

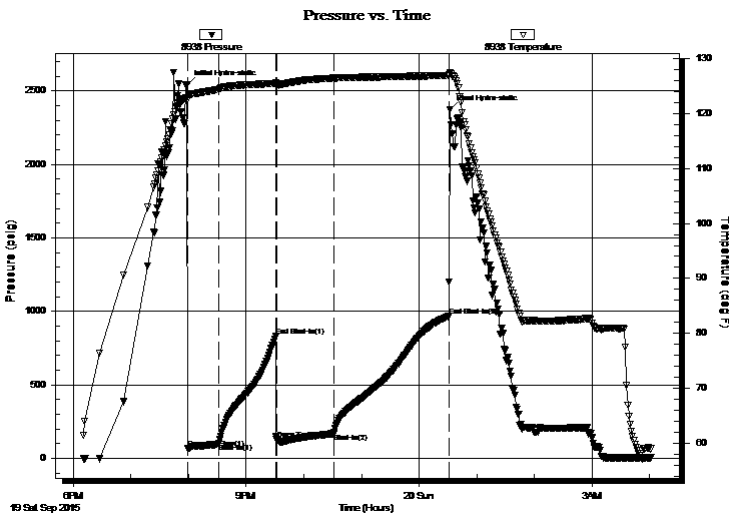
**Outside**

Press@RunDepth: 168.49 psig @ 4761.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.09.19 End Date: 2015.09.20 Last Calib.: 2015.09.20  
 Start Time: 18:10:47 End Time: 04:01:32 Time On Btm: 2015.09.19 @ 19:58:47  
 Time Off Btm: 2015.09.20 @ 00:32:17

TEST COMMENT: B.O.B.in 6 min.  
11" in return  
B.O.B. in 6 min.  
7 1/2" in return

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2542.05	122.90	Initial Hydro-static
1	66.08	122.72	Open To Flow (1)
33	99.67	124.39	Shut-In(1)
92	830.14	125.52	End Shut-In(1)
93	129.17	125.20	Open To Flow (2)
152	168.49	126.43	Shut-In(2)
272	967.03	126.89	End Shut-In(2)
274	2374.30	127.48	Final Hydro-static



## Recovery

Length (ft)	Description	Volume (bbl)
122.00	g h o c m 15g 40o 45m	0.60
574.00	c g o (reversed out) 20g 80o	7.50
70.00	c g o (dumped) 20g 80o	0.98
0.00	gas in pipe ? no odor	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

K 3 Oil & Gas  
211 Highland Cross Suite 250  
Houston TX 77073  
  
ATTN: Auston Garner

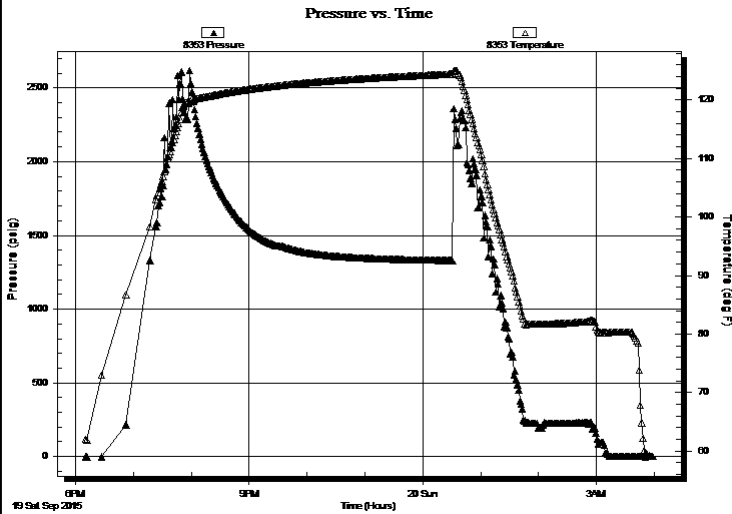
**26-23s-30w Finney, KS**  
**Algrim #13-18**  
Job Ticket: 45511 **DST#: 2**  
Test Start: 2015.09.19 @ 18:10:47

**GENERAL INFORMATION:**

Formation: **Miss**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)  
Time Tool Opened: 19:59:32 Tester: Shane McBride  
Time Test Ended: 04:25:32 Unit No: 84  
**Interval: 4760.00 ft (KB) To 4790.00 ft (KB) (TVD)** Reference Elevations: 2851.00 ft (KB)  
Total Depth: 5396.00 ft (KB) (TVD) 2841.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

**Serial #: 8353 Below (Straddle)**  
Press@RunDepth: psig @ 4793.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2015.09.19 End Date: 2015.09.20 Last Calib.: 2015.09.20  
Start Time: 18:10:27 End Time: 03:58:42 Time On Btm:  
Time Off Btm:

TEST COMMENT: B.O.B. in 6 min.  
11" in return  
B.O.B. in 6 min.  
7 1/2" in return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
122.00	g h o c m 15g 40o 45m	0.60
574.00	c g o (reversed out) 20g 80o	7.50
70.00	c g o (dumped) 20g 80o	0.98
0.00	gas in pipe ? no odor	0.00

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

K 3 Oil & Gas  
211 Highland Cross Suite 250  
Houston TX 77073  
ATTN: Auston Garner

**26-23s-30w Finney,KS**

**Algrim #13-18**

Job Ticket: 45511

**DST#: 2**

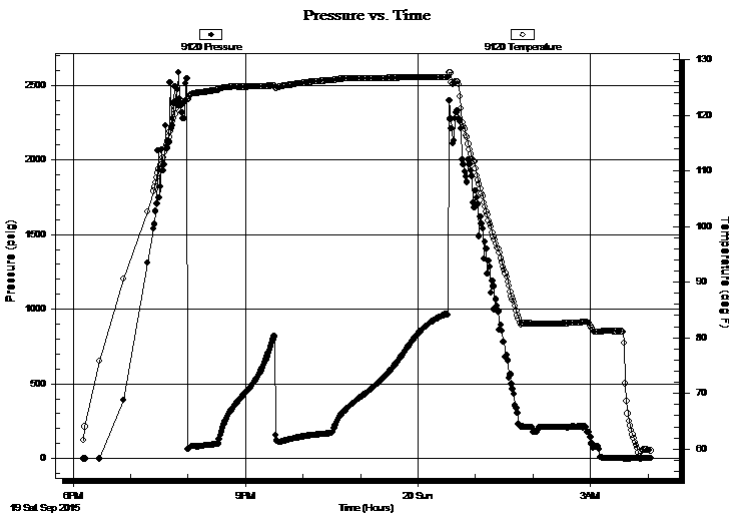
Test Start: 2015.09.19 @ 18:10:47

**GENERAL INFORMATION:**

Formation:	<b>Miss</b>			Test Type:	Conventional Straddle (Reset)
Deviated:	No	Whipstock:	ft (KB)	Tester:	Shane McBride
Time Tool Opened:	19:59:32			Unit No:	84
Time Test Ended:	04:25:32				
Interval:	<b>4760.00 ft (KB) To 4790.00 ft (KB) (TVD)</b>			Reference Elevations:	2851.00 ft (KB)
Total Depth:	5396.00 ft (KB) (TVD)				2841.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair	KB to GR/CF:	10.00 ft

<b>Serial #: 9120</b>	<b>Inside</b>				
Press@RunDepth:	psig @	4761.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2015.09.19	End Date:	2015.09.20	Last Calib.:	2015.09.20
Start Time:	18:11:09	End Time:	04:03:24	Time On Btm:	
				Time Off Btm:	

**TEST COMMENT:** B.O.B.in 6 min.  
11" in return  
B.O.B. in 6 min.  
7 1/2" in return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
122.00	g h o c m 15g 40o 45m	0.60
574.00	c g o (reversed out) 20g 80o	7.50
70.00	c g o (dumped) 20g 80o	0.98
0.00	gas in pipe ? no odor	0.00

**Gas Rates**

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

K 3 Oil & Gas  
211 Highland Cross Suite 250  
Houston TX 77073  
ATTN: Auston Garner

**26-23s-30w Finney,KS**  
**Algrim #13-18**  
Job Ticket: 45511 **DST#: 2**  
Test Start: 2015.09.19 @ 18:10:47

## Tool Information

Drill Pipe:	Length: 4578.00 ft	Diameter: 3.80 inches	Volume: 64.22 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 65.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4760.00 ft			Final 87000.00 lb
Depth to Bottom Packer:	5396.00 ft			
Interval between Packers:	636.00 ft			
Tool Length:	660.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4737.00	
Shut In Tool	5.00			4742.00	
Hydraulic tool	5.00			4747.00	
Jars	5.00			4752.00	
Safety Joint	3.00			4755.00	
Packer	5.00			4760.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4760.00	
Stubb	1.00			4761.00	
Recorder	0.00	9120	Inside	4761.00	
Recorder	0.00	8938	Outside	4761.00	
Perforations	25.00			4786.00	
Blank Off Sub	1.00			4787.00	
top of s packer	3.00			4790.00	
Packer - Shale	0.00			4790.00	
Stubb	1.00			4791.00	
Anchor	1.00			4792.00	
Change Over Sub	1.00			4793.00	
Recorder	0.00	8353	Below	4793.00	
Drill Pipe	597.00			5390.00	
Change Over Sub	1.00			5391.00	
Bullnose	5.00			5396.00	636.00 Anchor Tool
<b>Total Tool Length:</b>	<b>660.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

K 3 Oil & Gas

**26-23s-30w Finney,KS**

211 Highland Cross Suite 250  
Houston TX 77073

**Algrim #13-18**

Job Ticket: 45511

**DST#: 2**

ATTN: Auston Garner

Test Start: 2015.09.19 @ 18:10:47

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
122.00	g h o c m 15g 40o 45m	0.600
574.00	c g o (reversed out) 20g 80o	7.496
70.00	c g o (dumped) 20g 80o	0.982
0.00	gas in pipe ? no odor	0.000

Total Length: 766.00 ft

Total Volume: 9.078 bbl

Num Fluid Samples: 0

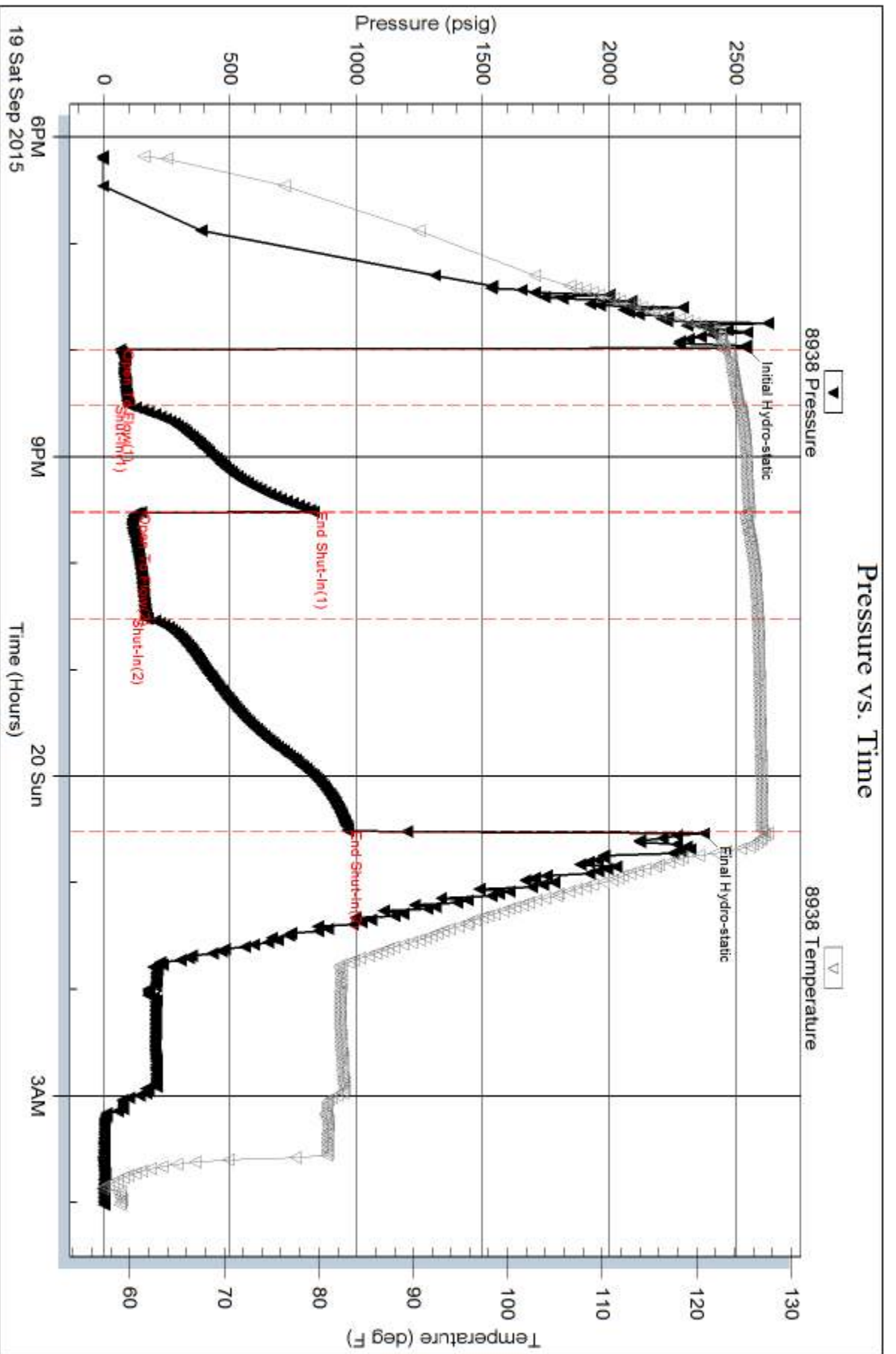
Num Gas Bombs: 0

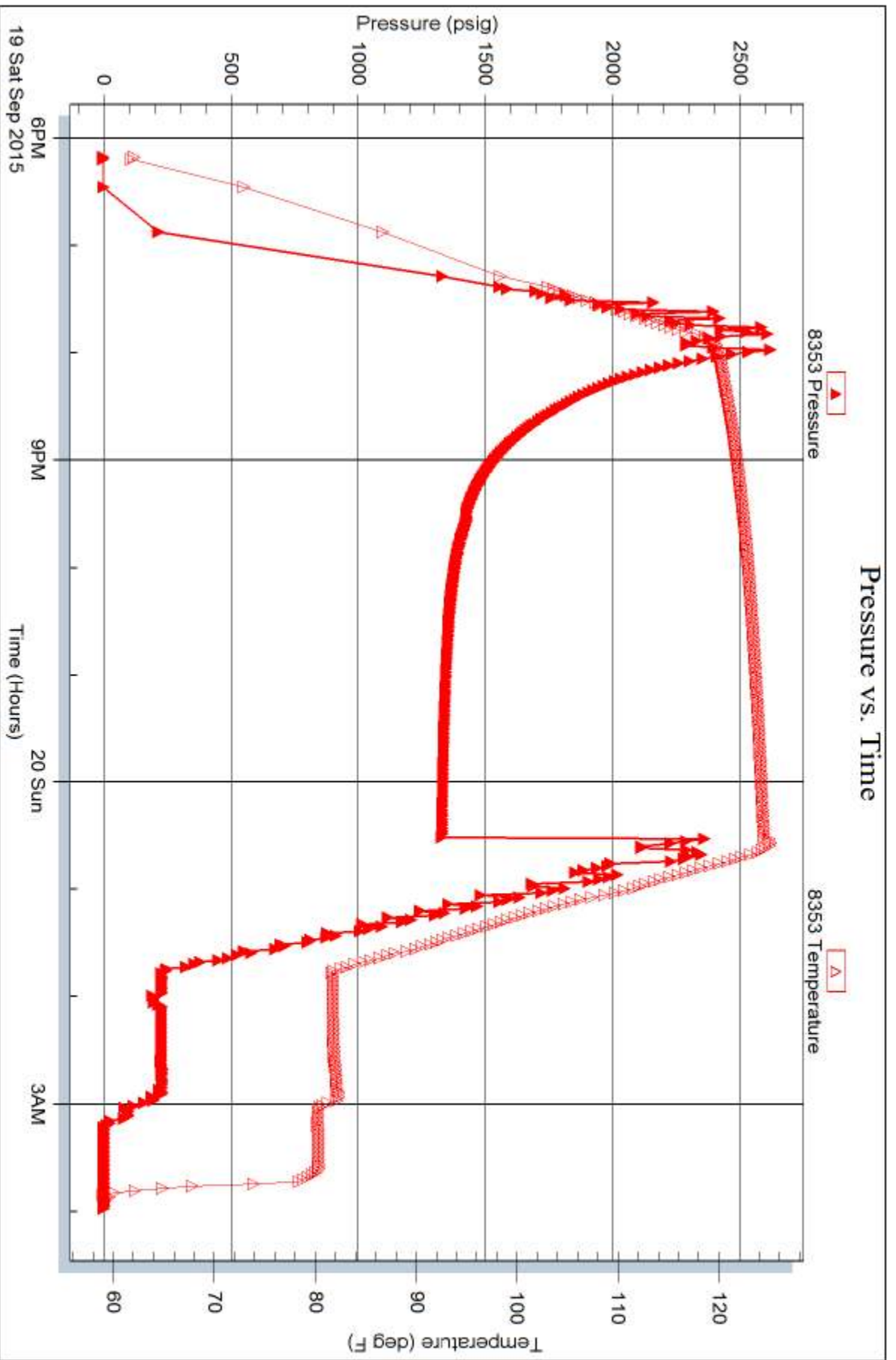
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





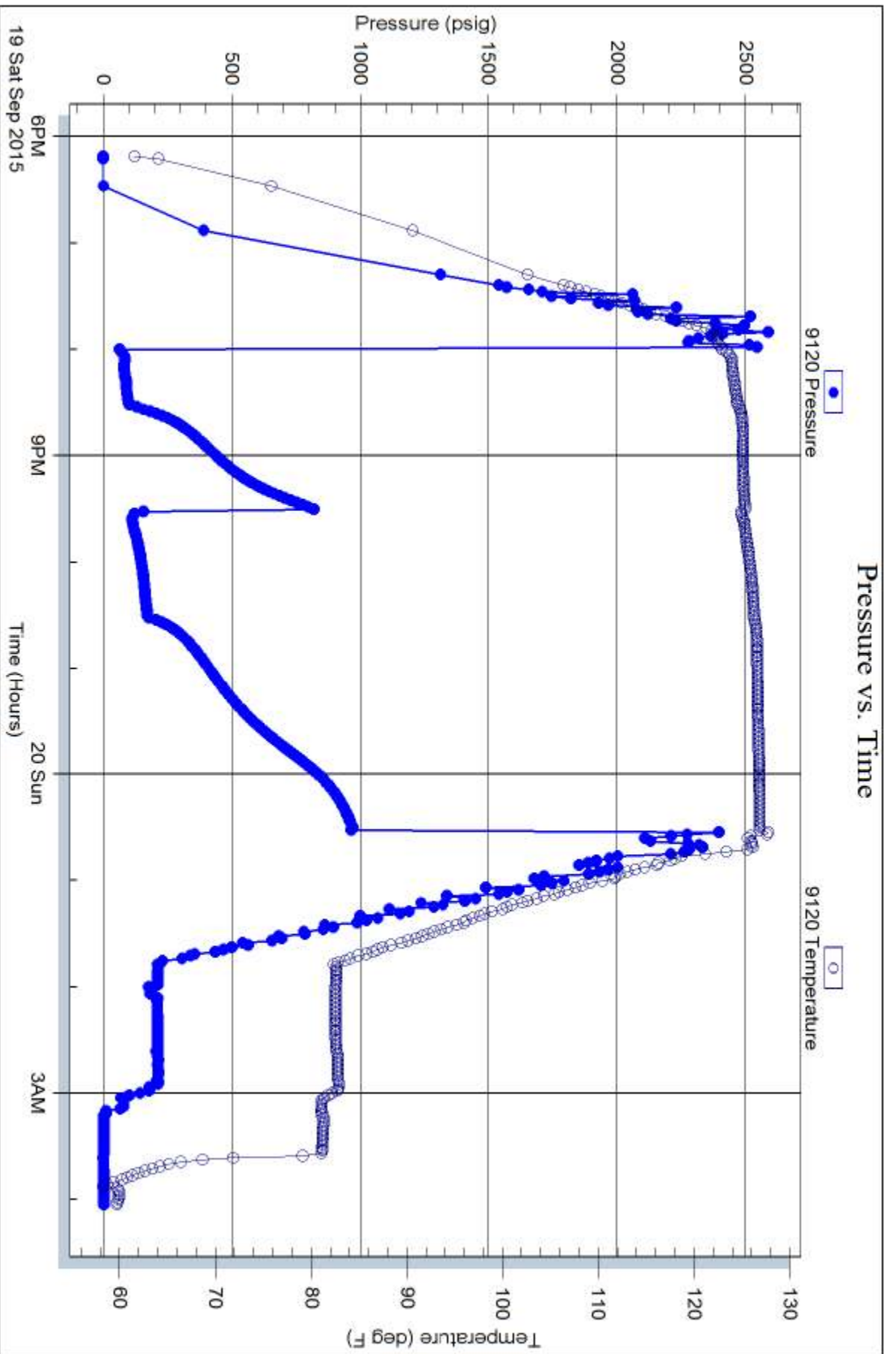
Serial #: 9120

Inside

K 3 Oil & Gas

Algrim #13-18

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **64473**

Well Name & No. Algrim 13-18 Test No. 1 Date 9-17-15  
 Company K3 Oil & Gas Operating Company Elevation 2851 KB 2841 GL  
 Address 211 Highland Cross Suite 250 Houston TX 77073  
 Co. Rep / Geo. Austan Garner Rig Duke 7  
 Location: Sec. 26 Twp. 23S Rge. 30W Co. Finney State KS

Interval Tested 4720-4747 Zone Tested Miss  
 Anchor Length 27 Drill Pipe Run 4537 Mud Wt. 9.2  
 Top Packer Depth 4715 Drill Collars Run 183 Vis 49  
 Bottom Packer Depth 4720 Wt. Pipe Run 0 WL ~~7.6~~  
 Total Depth 4747 Chlorides 1300 ppm System LCM 3  
 Blow Description IF: Weak Blow Died in 2 min  
IS: No Return Blow  
FF: No Blow  
FSI: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUO</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 5 BHT 119 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2322</u>	<input checked="" type="checkbox"/> Test <u>\$150.00</u>	T-On Location <u>09:15</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>10:15</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>12:32</u>
(D) Initial Shut-In <u>55</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>14:02</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>15:56</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>120RT \$120.00</u>	Comments _____
(G) Final Shut-In <u>32</u>	<input type="checkbox"/> Sampler _____ 108	_____
(H) Final Hydrostatic <u>2248</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>\$250.00</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1833</u>
	<input type="checkbox"/> Accessibility _____ 1833	MP/DST Disc't _____
	Sub Total <u>\$1845.00</u>	

Approved By Austin Mann Our Representative Nike Roberts

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. 45511

Well Name & No. Algonquin # 13-10 Test No. #2 Date 9-19-15  
 Company K3 O&I - Gas Operating Comp. Elevation 2851 KB 2941 GL  
 Address 211 Hwy 4land Cross Suite 250 Houston, TX 77073  
 Co. Rep / Geo. Houston Grimmer Rig Duke #7  
 Location: Sec. 26 Twp. 23S Rge. 30W Co. Finney State KS

Interval Tested 4760 4790 Zone Tested 7MNS  
 Anchor Length 30 Drill Pipe Run 4378' Mud Wt. 9.4  
 Top Packer Depth 4755 4760 Drill Collars Run 183' Vis 56  
 Bottom Packer Depth 4760 Wt. Pipe Run --- WL 7.2  
 Total Depth 5396 Chlorides 2000 ppm System LCM #3

Blow Description 30.3 rd 6 min  
11" in Return blow  
3.00 in 6 min.  
7 1/2" in Return blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>CGO (Dumped)</u>	<u>20</u>	<u>80</u>		
<u>574</u>	<u>CGO (reversed out)</u>	<u>20</u>	<u>80</u>		
<u>122'</u>	<u>HTO (under Circ Sub)</u>	<u>15</u>	<u>40</u>	<u>45</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>(GIP? No odor)</u>	%gas	%oil	%water	%mud

Rec Total 766 BHT 127° Gravity 27 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 2542  Test 1250 T-On Location 16:45  
 (B) First Initial Flow 66  Bars 250 T-Started 18:10  
 (C) First Final Flow 99  Safety Joint 75 T-Open 20:00  
 (D) Initial Shut-In 833  Circ Sub 500 T-Pulled 00:30  
 (E) Second Initial Flow 129  Hourly Standby T-Out 04:25  
 (F) Second Final Flow 168  Mileage 120 RT 108 Comments Released - 3/graded  
 (G) Final Shut-In 967  Sampler --- 04:45 AM  
 (H) Final Hydrostatic 2374  Straddle 600 9-20-15

Ruined Shale Packer  
 Ruined Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total 2833  
 Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 120  
 Sub Total 2833  
 MP/DST Disc't ---

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