

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

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 Date Reached TD Completion Date or Recompletion Date

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. 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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FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0115
 LOCATION Hoxie KS
 FOREMAN M. L. Shaw

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/19/19		Russ #1	17	14S	32W	Logan
CUSTOMER Blake Evolution / Mike Davison		Casing Steel Mustang W/cecu S&P/cecu E&S/into				
MAILING ADDRESS 2015 Main Pobox 150 Bogue						
CITY Bogue	STATE KS	ZIP CODE 67625	TRUCK #	DRIVER	TRUCK #	DRIVER
JOB TYPE PTA	HOLE SIZE 7 7/8"	HOLE DEPTH 4175'	101	Jack Troll		
CASING DEPTH	DRILL PIPE	TUBING	102	M. L. Shaw		
SLURRY WEIGHT 138	SLURRY VOL 142	WATER gal/sk				
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI				
REMARKS: Safety meeting and Rig upon STP drilling Plug as ordered						
1 st plug 50sx @ 2285'						
2 nd plug 100sx @ 1170'						
3 rd plug 50sx @ 270'						
4 th plug 105sx @ 40'						
R/U 30sx						
290sx 60/40 48 gal 1/4" P/A						

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL005	1	PUMP CHARGE	1500. ⁰⁰	1500. ⁰⁰
M001	55	MILEAGE	6.50	357.50
M002	10.68	Ton Mileage delivery	1.50	881.11
CB010	240sx	60/40 48 gal 1/4" P/A	16.25	3900. ⁰⁰
			Subtotal	6638.61
		less 258 disc count		1659.65
			Subtotal	4979.96
			Received	
			KANSAS CORPORATION COMMISSION	
			DEC 30 2019	
			CONSERVATION DIVISION	
			WICHITA, KS	
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION [Signature] TITLE _____ DATE _____

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 1846

Date <u>12-2-19</u>	Sec. <u>17</u>	Twp. <u>14</u>	Range <u>32</u>	County <u>Logan</u>	State <u>KS</u>	On Location	Finish <u>5.39</u>
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Lease 11/55 Well No. 1 Location OKLAH 173 MEASUREMENT 300 410 25' 1/2"

Contractor <u>S.T.P.</u>	Owner
Type Job <u>Surface</u>	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 <u>12 1/4</u>	T.D. <u>220</u>	Charge To <u>Block Expiration</u>
Csg. <u>8 5/8</u>	Depth <u>219</u>	Street

Tbg. Size	Depth	City	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg. <u>10'</u>	Shoe Joint	Cement Amount Ordered <u>150 8 1/2" 3 1/2" 2 1/2" 2 1/2"</u>
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Meas Line Displace 13BL

EQUIPMENT

Pumptrk <u>20</u> No. Cementer <u>Chris</u>	Common
Helper <u>Tim</u>	Poz. Mix
Bulktrk No. Driver	Gel.
Bulktrk <u>9</u> No. Driver <u>Lance</u>	Calcium

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
<u>8 5/8 on bottom BS. Centralizers</u>	Sand
<u>Mix 150 8 1/2" & Displace</u>	Handling
<u>Cement Completed</u>	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Received
KANSAS CORPORATION COMMISSION
DEC 30 2019
CONSERVATION DIVISION
WICHITA, KS

Pumptrk Charge	
Mileage	

Signature <u>[Signature]</u>	Tax
	Discount
	Total Charge

OIL AND GAS LEASE

191 661

191 743

Commence AGREEMENT, Made and entered into this 10th day of October 2019.

By and between: **Frederick J. Nuss and Candace A. Nuss, Husband and Wife**
158 E. State Road 4
Hoisington, KS 67544

Party of the first part, hereinafter called lessor (whether one or more) and
Blake Exploration, LLC P.O. Box 150 Bogue Kansas 67625

Party of the second part, hereinafter called lessee.

WITNESSETH, That the said lessor, for and in consideration of Ten and O.V.C. -----**DOLLARS**, cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the lessee to be paid, kept and performed, has granted, demised, leased and let and by these presents does grant, demise, lease and let unto said lessee, for the sole and only purpose of mining and operating for oil and gas, and laying pipe lines, and building tanks, power stations and structures thereon to produce, save and take care of said products, all that certain tract of land situated in the County of Logan State of Kansas, described as follows, to wit:

The North Half (N/2)

of Section 17 Township 14s Range 32w and containing 320 acres more or less.

It is agreed that this lease shall be in full force for a term of 1 (ONE) years from this date, and as long thereafter as oil or gas, or either of them, is produced from said land by the lessee.

In consideration of the premises, the said lessee covenants and agrees:

1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect his wells, the equal one-eighth (1/8) part of all oil and gas produced and saved from the leased premises.

If no well be commenced on said land on or before the 10th day of October 2020, this lease shall terminate as to both parties.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the lessor only in the proportion which his interest bears to the whole and undivided fee and the signing of this agreement shall be binding on each of the above-named parties who sign, regardless of whether it is signed by any of the other parties.

Lessee shall have the right to use, free of cost, oil and gas produced on said land for its operation thereon.

When requested by lessor, lessee shall bury his pipelines below plow depth.

No well shall be drilled nearer than 200 feet to the house or barn now on said premises, without the written consent of the lessor.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable diligence and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with the like effect as if such well had been completed within the term of years herein first mentioned.

Lessee, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease or leases in the immediate vicinity thereof, when in lessee's judgment it is necessary or advisable to do so in order to properly develop and operate said lease premises so as to promote the conservation of oil, gas, or other minerals in and under and that may be produced from said premises. Such pooling to be of tracts contiguous to one another and to be into a unit or units not exceeding 40 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lessee shall execute in writing and record in the conveyance records of the county in which the land herein leased is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or unit shall be treated, for all purposes except the payment of royalties on production from the pooled unit, as if it were included in this lease. If production is found on the pooled acreage, it shall be treated as if production is had from this lease, whether the well or wells be located on the premises covered by this lease or not. In lieu of the royalties elsewhere herein specified, lessor shall receive on production from a unit so pooled only such portion of the royalty stipulated herein as the amount of his acreage placed in the unit or his royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

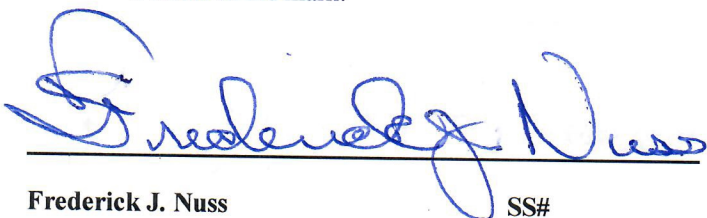
If the estate of either party hereto is assigned, and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on the lessee until after the lessee has been furnished with a written transfer or assignment or a true copy thereof; and it is hereby agreed in the event this lease shall be assigned as to a part or as to parts of the above described lands and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate or defeat or affect this lease in so far as it covers a part or parts of said lands upon which the said lessee or any assignee thereof shall make due payments of said rentals.

Lessor hereby warrants and agrees to defend the title to the lands herein described and agrees that the lessee shall have the right at any time to redeem for lessor by payment, any mortgages, taxes or other liens on the above described lands, in the event of default of payment by lessor, and be subrogated to the rights of the holder thereof. The Lessee does not assume any responsibility for any prior wells, plugged or unplugged, on the above outlined tract of land.

Lessee agrees to pay for any damages caused by seismograph, testing, core drilling or its drilling operations.

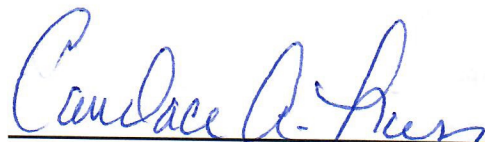
Whereof witness our hands as of the day and year first above written.

Witness to the mark:



Frederick J. Nuss

SS#



Candace A. Nuss

Candace A. Nuss



OIL AND GAS LEASE

191 665
191 741

Commence AGREEMENT, Made and entered into this 10th day of October 2019.

By and between: **Michael Davignon and Mary Kay Davignon, Husband and Wife**
3645 Hwy 24
Bogue, KS 67625

Party of the first part, hereinafter called lessor (whether one or more) and
Blake Exploration, LLC P.O. Box 150 Bogue Kansas 67625

Party of the second part, hereinafter called lessee.

WITNESSETH, That the said lessor, for and in consideration of **Ten and O.V.C. -----DOLLARS**, cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the lessee to be paid, kept and performed, has granted, demised, leased and let and by these presents does grant, demise, lease and let unto said lessee, for the sole and only purpose of mining and operating for oil and gas, and laying pipe lines, and building tanks, power stations and structures thereon to produce, save and take care of said products, all that certain tract of land situated in the County of **Logan** State of **Kansas**, described as follows, to wit:

The North Half (N/2)

of Section **17** Township **14s** Range **32w** and containing **320** acres more or less.

It is agreed that this lease shall be in full force for a term of **1 (ONE)** years from this date, and as long thereafter as oil or gas, or either of them, is produced from said land by the lessee.

In consideration of the premises, the said lessee covenants and agrees:

1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect his wells, the equal one-eighth (1/8) part of all oil and gas produced and saved from the leased premises.

If no well be commenced on said land on or before the **10th** day of **October 2020**, this lease shall terminate as to both parties.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the lessor only in the proportion which his interest bears to the whole and undivided fee and the signing of this agreement shall be binding on each of the above-named parties who sign, regardless of whether it is signed by any of the other parties.

Lessee shall have the right to use, free of cost, oil and gas produced on said land for its operation thereon.

When requested by lessor, lessee shall bury his pipelines below plow depth.

No well shall be drilled nearer than 200 feet to the house or barn now on said premises, without the written consent of the lessor.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable diligence and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with the like effect as if such well had been completed within the term of years herein first mentioned.

Lessee, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease or leases in the immediate vicinity thereof, when in lessee's judgment it is necessary or advisable to do so in order to properly develop and operate said lease premises so as to promote the conservation of oil, gas, or other minerals in and under and that may be produced from said premises. Such pooling to be of tracts contiguous to one another and to be into a unit or units not exceeding 40 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lessee shall execute in writing and record in the conveyance records of the county in which the land herein leased is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or unit shall be treated, for all purposes except the payment of royalties on production from the pooled unit, as if it were included in this lease. If production is found on the pooled acreage, it shall be treated as if production is had from this lease, whether the well or wells be located on the premises covered by this lease or not. In lieu of the royalties elsewhere herein specified, lessor shall receive on production from a unit so pooled only such portion of the royalty stipulated herein as the amount of his acreage placed in the unit or his royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

If the estate of either party hereto is assigned, and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on the lessee until after the lessee has been furnished with a written transfer or assignment or a true copy thereof; and it is hereby agreed in the event this lease shall be assigned as to a part or as to parts of the above described lands and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate or defeat or affect this lease in so far as it covers a part or parts of said lands upon which the said lessee or any assignee thereof shall make due payments of said rentals.

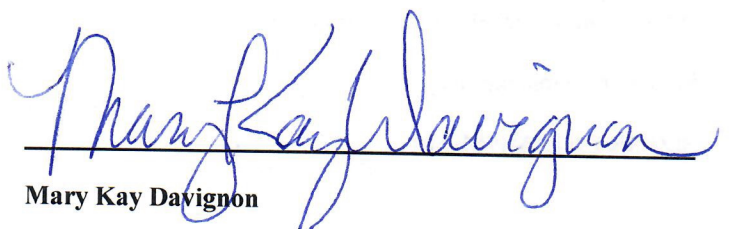
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Whereof witness our hands as of the day and year first above written.

Witness to the mark:


Michael Davignon


Mary Kay Davignon



OIL AND GAS LEASE

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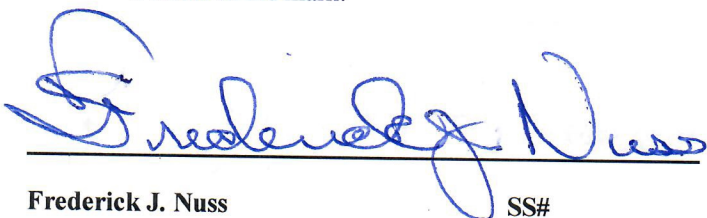
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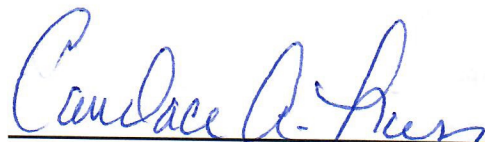
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Witness to the mark:



Frederick J. Nuss

SS#



Candace A. Nuss

Candace A. Nuss



OIL AND GAS LEASE

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Party of the first part, hereinafter called lessor (whether one or more) and
Blake Exploration, LLC P.O. Box 150 Bogue Kansas 67625

Party of the second part, hereinafter called lessee.

WITNESSETH, That the said lessor, for and in consideration of **Ten and O.V.C.** -----**DOLLARS**, cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the lessee to be paid, kept and performed, has granted, demised, leased and let and by these presents does grant, demise, lease and let unto said lessee, for the sole and only purpose of mining and operating for oil and gas, and laying pipe lines, and building tanks, power stations and structures thereon to produce, save and take care of said products, all that certain tract of land situated in the County of **Logan** State of **Kansas**, described as follows, to wit:

The North Half (N/2)

of Section **17** Township **14s** Range **32w** and containing **320** acres more or less.

It is agreed that this lease shall be in full force for a term of **1 (ONE)** years from this date, and as long thereafter as oil or gas, or either of them, is produced from said land by the lessee.

In consideration of the premises, the said lessee covenants and agrees:

1st. To deliver to the credit of lessor, free of cost, in the pipe line to which lessee may connect his wells, the equal one-eighth (1/8) part of all oil and gas produced and saved from the leased premises.

If no well be commenced on said land on or before the **10th** day of **October 2020**, this lease shall terminate as to both parties.

If said lessor owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the lessor only in the proportion which his interest bears to the whole and undivided fee and the signing of this agreement shall be binding on each of the above-named parties who sign, regardless of whether it is signed by any of the other parties.

Lessee shall have the right to use, free of cost, oil and gas produced on said land for its operation thereon.

When requested by lessor, lessee shall bury his pipelines below plow depth.

No well shall be drilled nearer than 200 feet to the house or barn now on said premises, without the written consent of the lessor.

Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.

If the lessee shall commence to drill a well within the term of this lease or any extension thereof, the lessee shall have the right to drill such well to completion with reasonable diligence and dispatch, and if oil or gas, or either of them, be found in paying quantities, this lease shall continue and be in force with the like effect as if such well had been completed within the term of years herein first mentioned.

Lessee, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease or leases in the immediate vicinity thereof, when in lessee's judgment it is necessary or advisable to do so in order to properly develop and operate said lease premises so as to promote the conservation of oil, gas, or other minerals in and under and that may be produced from said premises. Such pooling to be of tracts contiguous to one another and to be into a unit or units not exceeding 40 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lessee shall execute in writing and record in the conveyance records of the county in which the land herein leased is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or unit shall be treated, for all purposes except the payment of royalties on production from the pooled unit, as if it were included in this lease. If production is found on the pooled acreage, it shall be treated as if production is had from this lease, whether the well or wells be located on the premises covered by this lease or not. In lieu of the royalties elsewhere herein specified, lessor shall receive on production from a unit so pooled only such portion of the royalty stipulated herein as the amount of his acreage placed in the unit or his royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

If the estate of either party hereto is assigned, and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to their heirs, executors, administrators, successors or assigns, but no change in the ownership of the land or assignment of rentals or royalties shall be binding on the lessee until after the lessee has been furnished with a written transfer or assignment or a true copy thereof; and it is hereby agreed in the event this lease shall be assigned as to a part or as to parts of the above described lands and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate or defeat or affect this lease in so far as it covers a part or parts of said lands upon which the said lessee or any assignee thereof shall make due payments of said rentals.

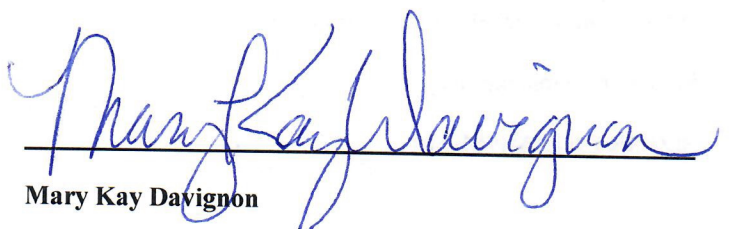
Lessor hereby warrants and agrees to defend the title to the lands herein described and agrees that the lessee shall have the right at any time to redeem for lessor by payment, any mortgages, taxes or other liens on the above described lands, in the event of default of payment by lessor, and be subrogated to the rights of the holder thereof. The Lessee does not assume any responsibility for any prior wells, plugged or unplugged, on the above outlined tract of land.

Lessee agrees to pay for any damages caused by seismograph, testing, core drilling or its drilling operations.

Whereof witness our hands as of the day and year first above written.

Witness to the mark:


Michael Davignon


Mary Kay Davignon





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66105

DST#: 1

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 00:45:00

GENERAL INFORMATION:

Formation: **LKC " E - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:23:30

Time Test Ended: 08:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: **3875.00 ft (KB) To 3922.00 ft (KB) (TVD)**

Total Depth: 3922.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2824.00 ft (KB)

2816.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8734

Outside

Press@RunDepth: 98.43 psig @ 3876.00 ft (KB)

Start Date: 2019.12.07

End Date:

2019.12.07

Start Time: 00:45:01

End Time:

08:25:00

Capacity: 8000.00 psig

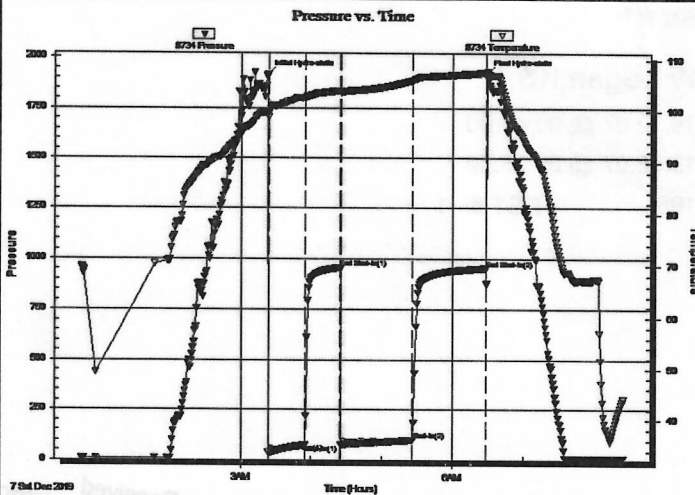
Last Calib.: 2019.12.07

Time On Btm: 2019.12.07 @ 03:23:20

Time Off Btm: 2019.12.07 @ 06:29:00

TEST COMMENT: 30-IF-Surface blow built to 3 3/4"
30-ISI-Surface blow back
60-FF-Surface blow built to 4 1/2"
60-FSI-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.61	99.92	Initial Hydro-static
1	36.72	98.86	Open To Flow (1)
32	73.32	102.67	Shut-In(1)
61	957.47	104.06	End Shut-In(1)
62	75.52	103.72	Open To Flow (2)
123	98.43	106.01	Shut-In(2)
185	954.47	107.55	End Shut-In(2)
186	1921.59	107.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WCM 23%W, 77%M	0.60
50.00	Mud w/ Oil scum 1%O, 99%M	0.70
0.00	Heavy oil spots in tool	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66105

DST#: 1

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 00:45:00

GENERAL INFORMATION:

Formation: **LKC " E - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:23:30

Time Test Ended: 08:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: **3875.00 ft (KB) To 3922.00 ft (KB) (TVD)**

Reference Elevations: 2824.00 ft (KB)

Total Depth: 3922.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 98.43 psig @ 3876.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.12.07

End Date:

2019.12.07

Last Calib.:

2019.12.07

Start Time: 00:45:01

End Time:

08:25:00

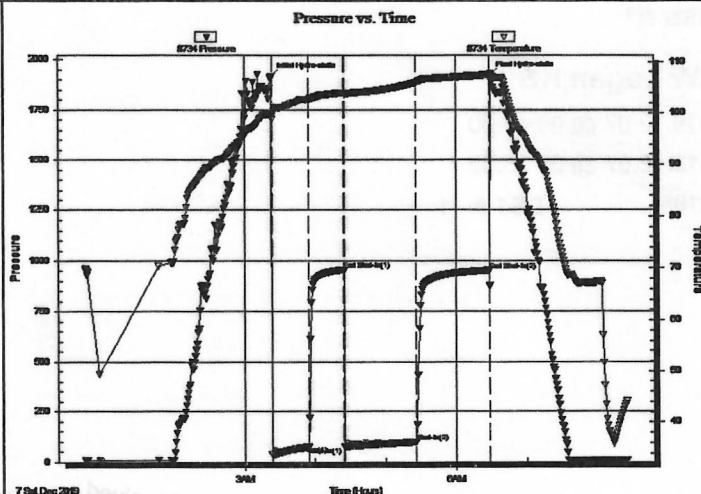
Time On Btm:

2019.12.07 @ 03:23:20

Time Off Btm:

2019.12.07 @ 06:29:00

TEST COMMENT: 30-IF-Surface blow built to 3 3/4"
30-ISI-Surface blow back
60-FF-Surface blow built to 4 1/2"
60-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.61	99.92	Initial Hydro-static
1	36.72	98.86	Open To Flow (1)
32	73.32	102.67	Shut-In(1)
61	957.47	104.06	End Shut-In(1)
62	75.52	103.72	Open To Flow (2)
123	98.43	106.01	Shut-In(2)
185	954.47	107.55	End Shut-In(2)
186	1921.59	107.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WCM 23%W, 77%M	0.60
50.00	Mud w/ Oil scum 1%O, 99%M	0.70
0.00	Heavy oil spots in tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66105

DST#: 1

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 00:45:00

Tool Information

Drill Pipe:	Length: 3759.00 ft	Diameter: 3.80 inches	Volume: 52.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 56000.00 lb
		<u>Total Volume: 53.32 bbl</u>		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3875.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3860.00	
Hydraulic tool	5.00	1113		3865.00	
Packer	5.00			3870.00	20.00 Bottom Of Top Packer
Packer	5.00			3875.00	
Stubb	1.00			3876.00	
Recorder	0.00	8959	Inside	3876.00	
Recorder	0.00	8734	Outside	3876.00	
Perforations	7.00			3883.00	
Change Over Sub	1.00			3884.00	
Drill Pipe	32.00			3916.00	
Change Over Sub	1.00			3917.00	
Bullnose	5.00			3922.00	47.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66105

DST#: 1

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 00:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 6.39 in³
Resistivity: ohm.m
Salinity: 4300.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 36000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	WCM 23%W, 77%M	0.599
50.00	Mud w/ Oil scum 1%O, 99%M	0.701
0.00	Heavy oil spots in tool	0.000

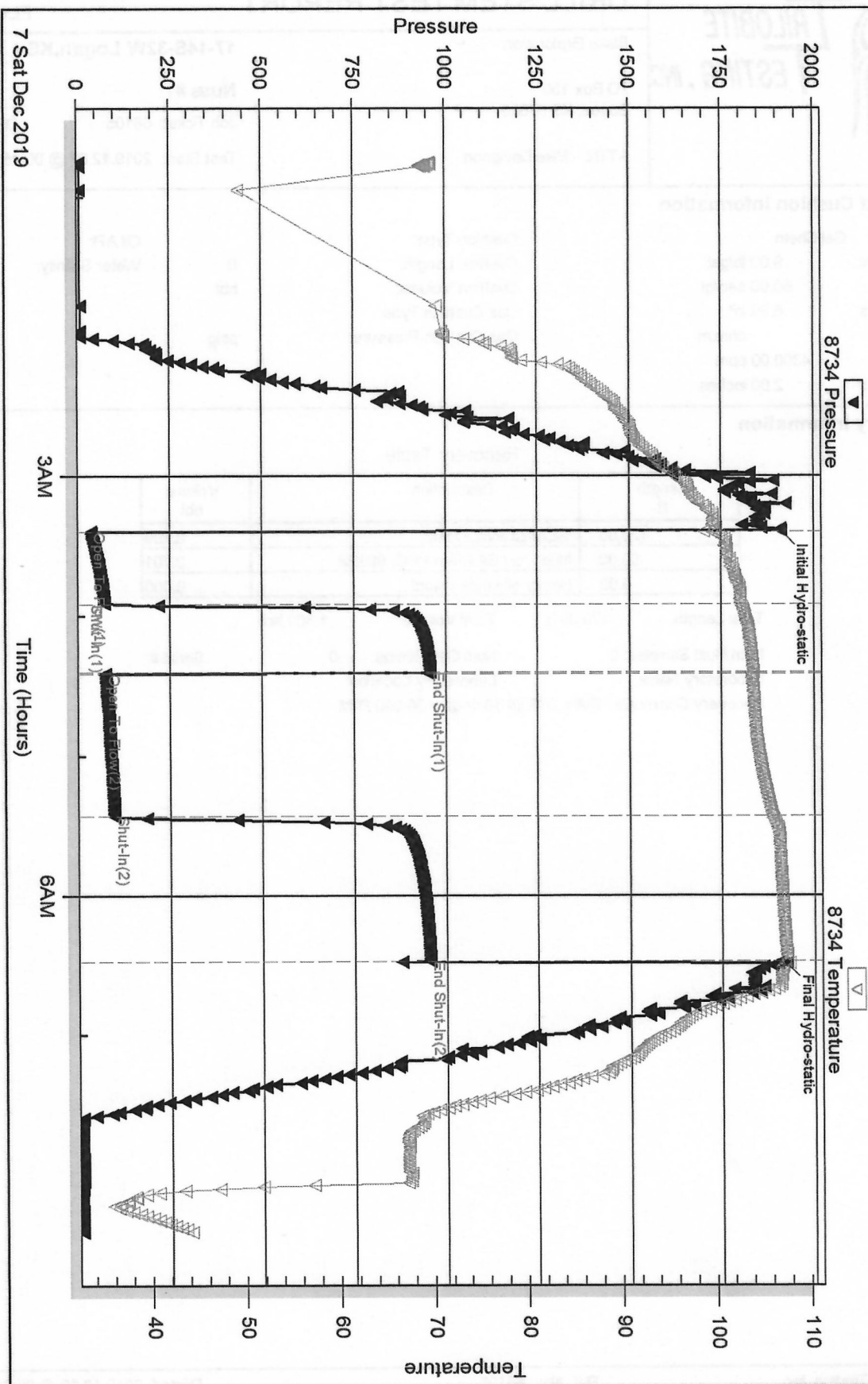
Total Length: 170.00 ft Total Volume: 1.300 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .375 @ 39 degs = 36,000 PPM

Pressure vs. Time



7 Sat Dec 2019

3AM

Time (Hours)

6AM

Serial #: 8959

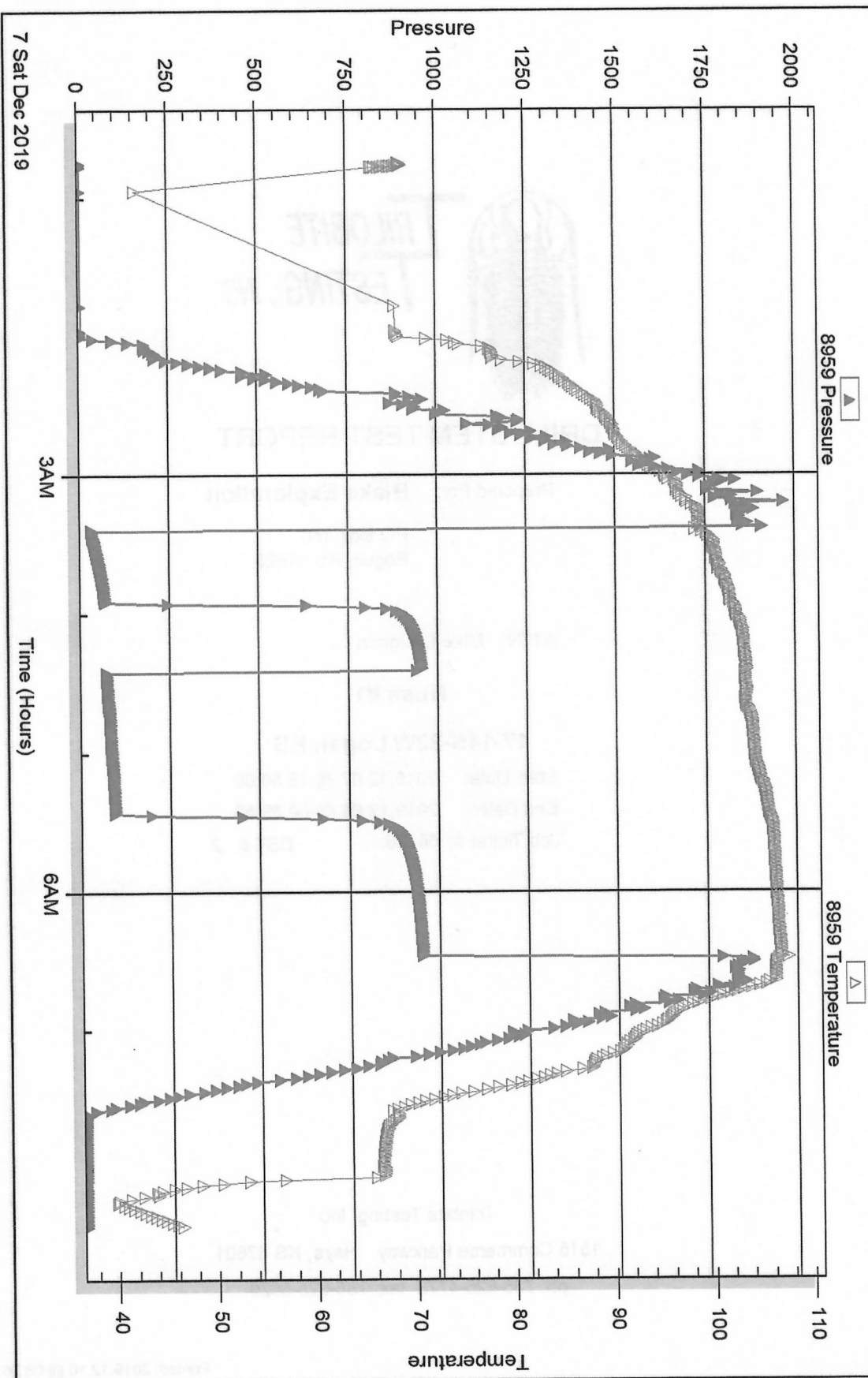
Inside

Blake Exploration

Nuss #1

DST Test Number: 1

Pressure vs. Time



Trilobe Testing, Inc

Ref. No: 66105

Printed: 2019.12.10 @ 08:31:27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66106

DST#: 2

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 18:50:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:38:40

Time Test Ended: 00:39:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **3970.00 ft (KB) To 4010.00 ft (KB) (TVD)**

Reference Elevations: 2824.00 ft (KB)

Total Depth: 4010.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 143.94 psig @ 3971.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.12.07

End Date: 2019.12.08

Last Calib.: 2019.12.08

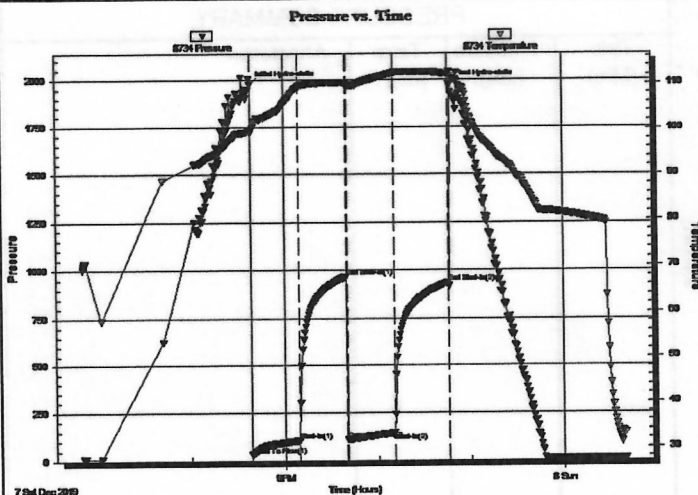
Start Time: 18:50:01

End Time: 00:39:50

Time On Btm: 2019.12.07 @ 20:38:20

Time Off Btm: 2019.12.07 @ 22:46:50

TEST COMMENT: 30-IF-1/4" blow built to 10 3/4"
30-ISI-No blow back
30-FF-Surface blow built to 7 1/2"
30-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1971.58	99.59	Initial Hydro-static
1	31.74	99.00	Open To Flow (1)
32	103.37	109.28	Shut-In(1)
62	967.71	110.10	End Shut-In(1)
62	108.34	109.76	Open To Flow (2)
93	143.94	112.29	Shut-In(2)
128	935.60	112.10	End Shut-In(2)
129	1970.79	112.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	MCW w /oil scum 33%M, 67%W	1.86

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66106

DST#: 2

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 18:50:00

Tool Information

Drill Pipe:	Length: 3854.00 ft	Diameter: 3.80 inches	Volume: 54.06 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: 54.65 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3970.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3955.00	
Hydraulic tool	5.00	1113		3960.00	
Packer	5.00			3965.00	20.00 Bottom Of Top Packer
Packer	5.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	8959	Inside	3971.00	
Recorder	0.00	8734	Outside	3971.00	
Perforations	34.00			4005.00	
Bullnose	5.00			4010.00	40.00 Bottom Packers & Anchor
Total Tool Length:	60.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66106 **DST#: 2**

ATTN: Mike Davignon

Test Start: 2019.12.07 @ 18:50:00

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: 80000 ppm	
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	MCW w /oil scum 33%M, 67%W	1.862

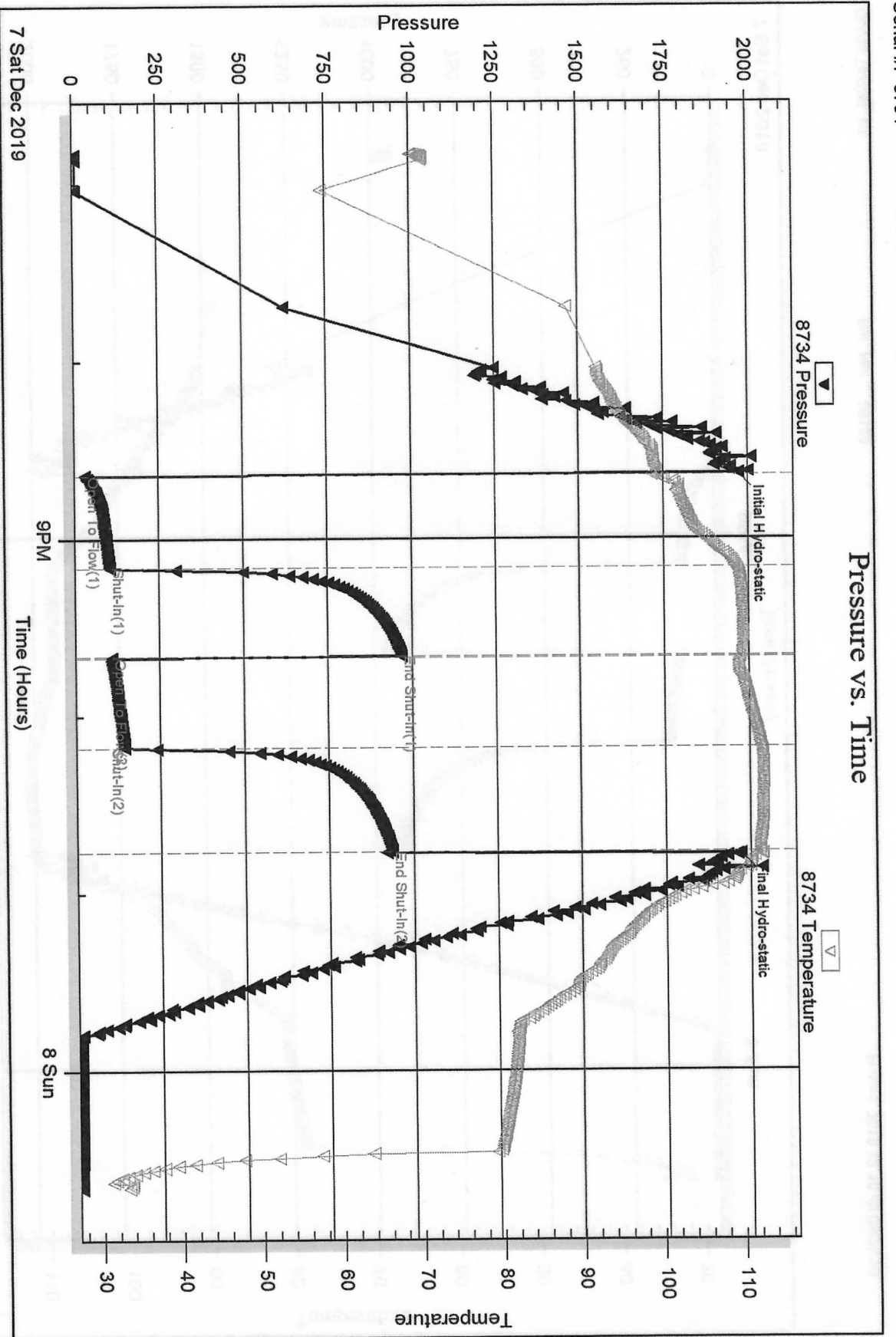
Total Length: 210.00 ft Total Volume: 1.862 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .216 @ 34.0 degs = 80,000ppm

Pressure vs. Time



Serial #: 8959

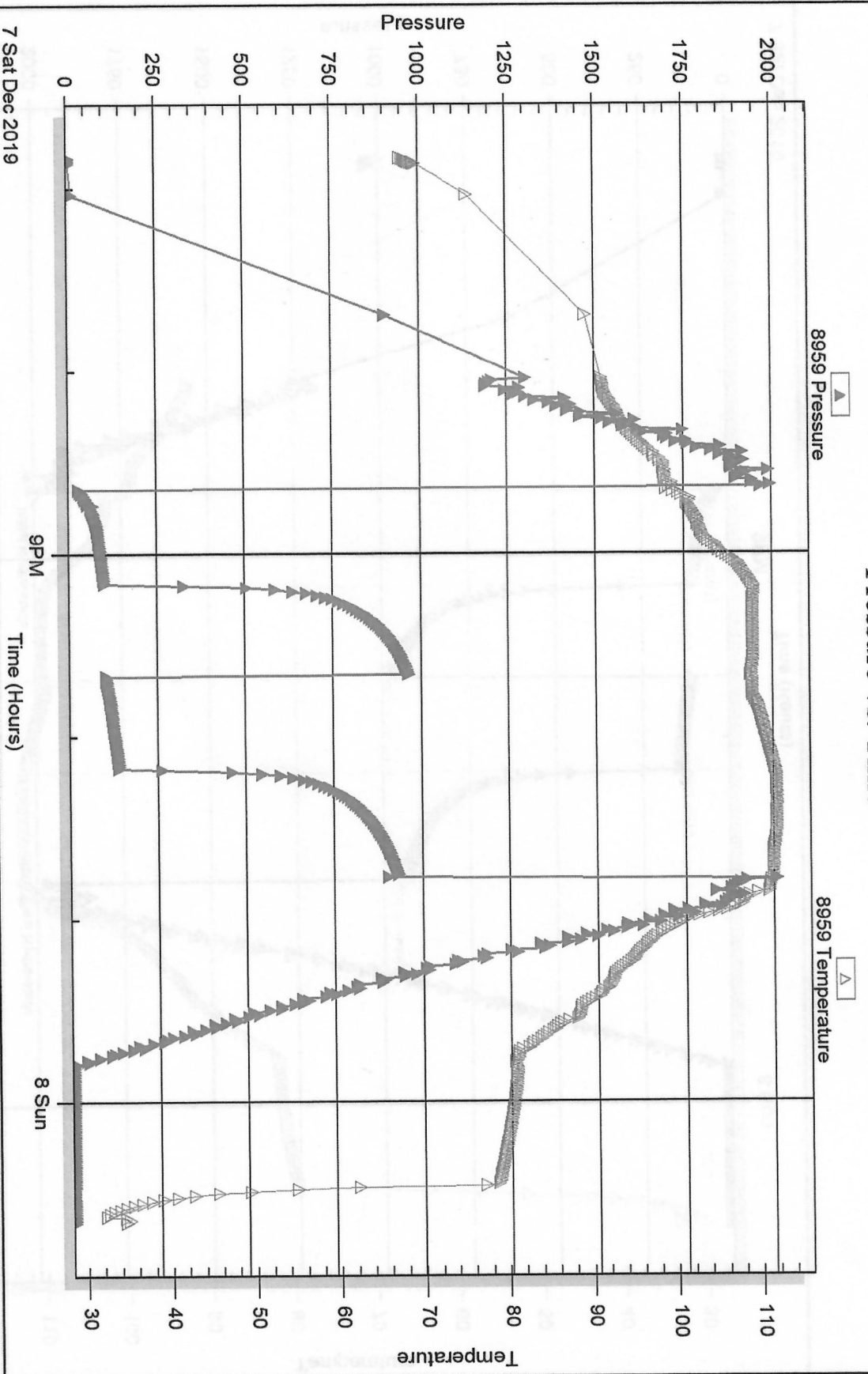
Inside

Blake Exploration

Nuss #1

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration

17-14S-32W Logan, KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66107

DST#: 3

ATTN: Mike Davignon

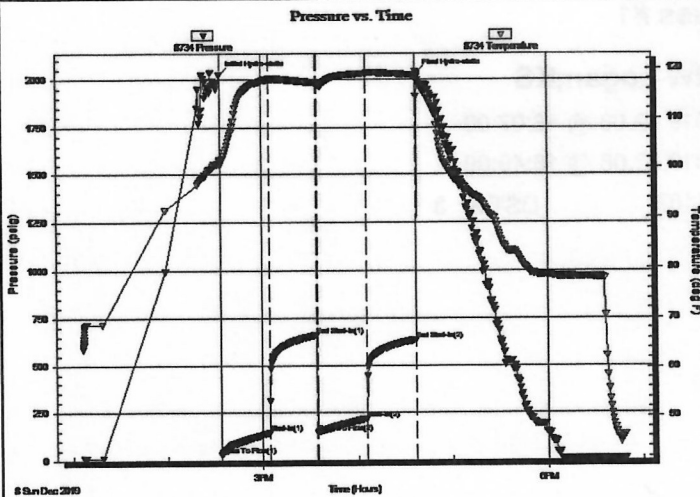
Test Start: 2019.12.08 @ 13:07:00

GENERAL INFORMATION:

Formation: **LKC " K "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:33:50
 Time Test Ended: 18:49:09
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Interval: **4065.00 ft (KB) To 4090.00 ft (KB) (TVD)**
 Total Depth: 4090.00 ft (KB) (TVD)
 Reference Elevations: 2824.00 ft (KB)
 2816.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 8.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 217.77 psig @ 4066.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.12.08 End Date: 2019.12.08 Last Calib.: 2019.12.08
 Start Time: 13:07:01 End Time: 18:49:10 Time On Btm: 2019.12.08 @ 14:33:40
 Time Off Btm: 2019.12.08 @ 16:38:10

TEST COMMENT: 30-IF- B.O.B(11inches) @ 14 mins (blow increased to 19")
 30-ISI-No blow back
 30-FF- B.O.B(11 inches) @ 22 mins (blow increased to 15 1/4")
 30-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.09	101.53	Initial Hydro-static
1	28.07	100.52	Open To Flow (1)
31	144.49	117.83	Shut-In(1)
61	659.30	117.19	End Shut-In(1)
61	146.93	116.92	Open To Flow (2)
92	217.77	119.06	Shut-In(2)
124	635.99	118.71	End Shut-In(2)
125	2033.72	118.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
419.00	MCW w/Oil spots 13%M, 87%W	4.79
1.00	CO 100%O	0.01
0.00	Heavy oil in tool	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66107

DST#: 3

ATTN: Mike Davignon

Test Start: 2019.12.08 @ 13:07:00

Tool Information

Drill Pipe:	Length: 3947.00 ft	Diameter: 3.80 inches	Volume: 55.37 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 55.96 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4065.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4050.00	
Hydraulic tool	5.00	1113		4055.00	
Packer	5.00			4060.00	20.00 Bottom Of Top Packer
Packer	5.00			4065.00	
Stubb	1.00			4066.00	
Recorder	0.00	8959	Inside	4066.00	
Recorder	0.00	8734	Outside	4066.00	
Perforations	19.00			4085.00	
Bullnose	5.00			4090.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

17-14S-32W Logan,KS

PO Box 150
Bogue, KS 67625

Nuss #1

Job Ticket: 66107

DST#: 3

ATTN: Mike Davignon

Test Start: 2019.12.08 @ 13:07:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 7.59 in³
Resistivity: ohm.m
Salinity: 9400.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 75000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
419.00	MCW w /Oil spots 13%M, 87%W	4.793
1.00	CO 100%O	0.014
0.00	Heavy oil in tool	0.000

Total Length: 420.00 ft Total Volume: 4.807 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .165 @ 47 degs = 75,000 PPM
Not enough oil to catch gravity

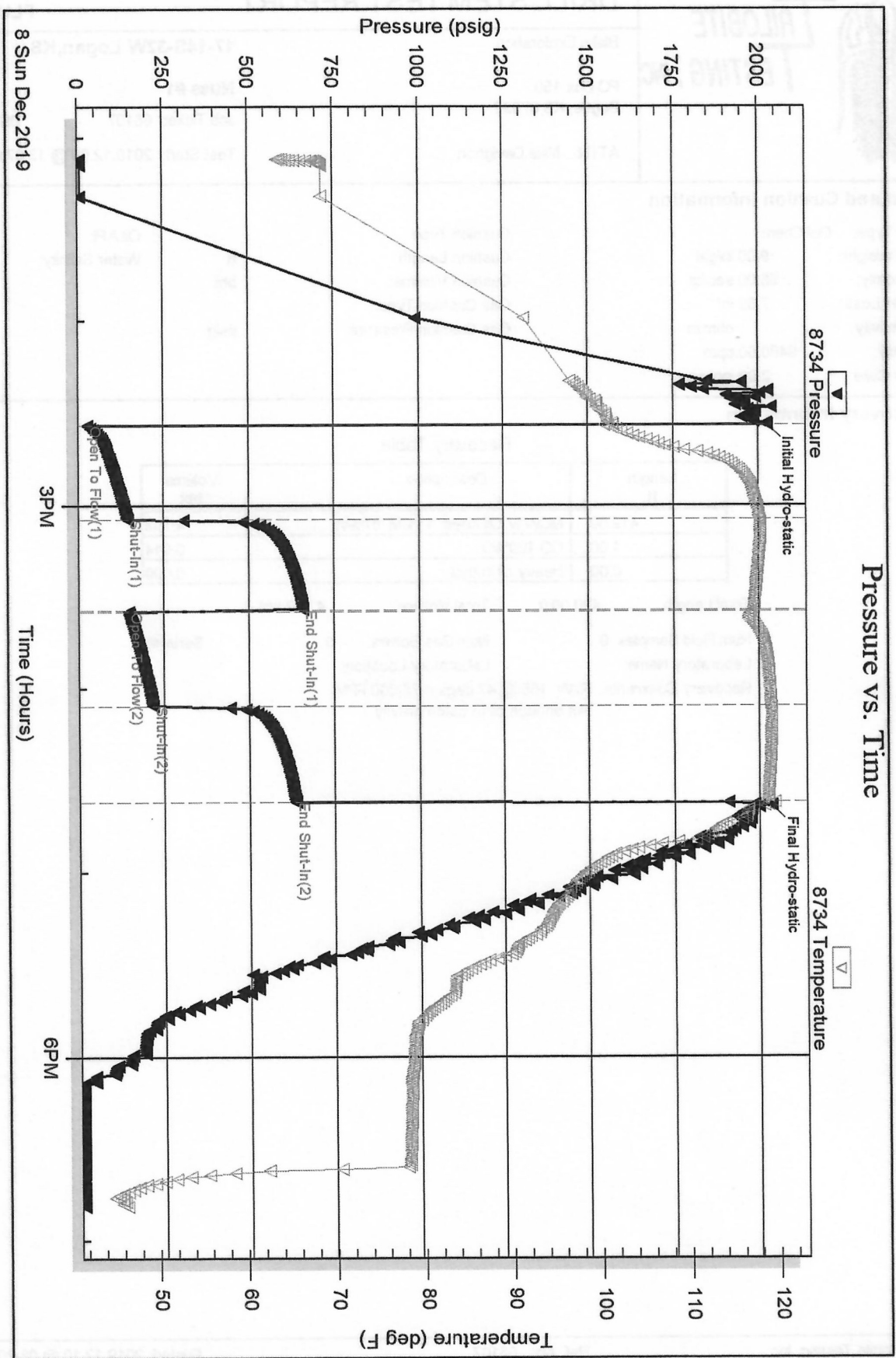
Serial #: 8734

Outside Blake Exploration

Nuss #1

DST Test Number: 3

Pressure vs. Time



Serial #: 8959

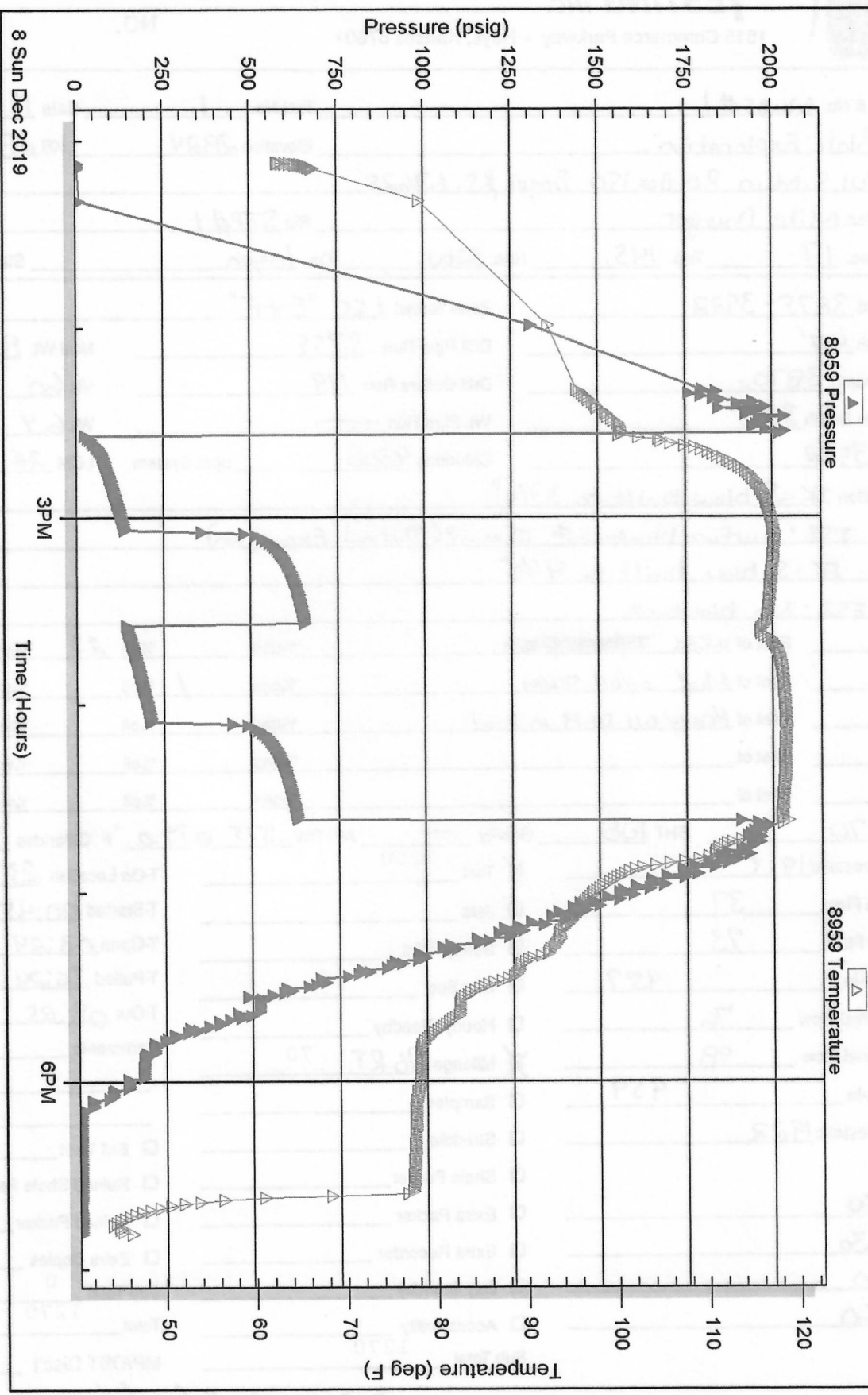
Inside

Blake Exploration

Nuss #1

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 66107

Printed: 2019.12.10 @ 08:20:10



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66105

NO.

Well Name & No. Nuss #1 Test No. 1 Date 12-6-19
 Company Blake Exploration Elevation 2824 KB 2816 GL
 Address 201 S. Main P.O. Box 150 Bogue KS. 67625
 Co. Rep / Geo. Mike Daucyer Rig STP#1
 Location: Sec. 17 Twp 14S. Rge. 32W. Co. Logan State KS.

Interval Tested 3875-3922 Zone Tested LKC "E+F"
 Anchor Length 47' Drill Pipe Run 3759 Mud Wt. 8.6
 Top Packer Depth 3870 Drill Collars Run 119 Vis 60
 Bottom Packer Depth 3875 Wt. Pipe Run --- WL 6.4
 Total Depth 3922 Chlorides 4300 ppm System LCM 2#

Blow Description IF - S. blow built to 3 3/4"

ISI - Surface blowback @ 10 mins (Thermal Expansion)

FF - S. blow built to 4 1/2"

FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	Feet of <u>WEM</u>		<u>23</u>	<u>77</u>	
<u>50</u>	Feet of <u>Mud w/oil scum.</u>		<u>1</u>	<u>99</u>	
	Feet of <u>Heavy oil spots in tool</u>				
	Feet of				
	Feet of				

Rec Total 170 BHT 108 Gravity --- API RW .375 @ 39.0 °F Chlorides 36,000 ppm

(A) Initial Hydrostatic 1913 Test 1200 T-On Location 23:30
 (B) First Initial Flow 37 Jars --- T-Started 00:45
 (C) First Final Flow 73 Safety Joint --- T-Open 03:24
 (D) Initial Shut-In 957 Circ Sub --- T-Pulled 06:24
 (E) Second Initial Flow 76 Hourly Standby --- T-Out 08:25
 (F) Second Final Flow 98 Mileage 76 RT. 70 Comments ---
 (G) Final Shut-In 954 Sampler ---
 (H) Final Hydrostatic 1922 Straddle ---
 Shale Packer ---
 Extra Packer ---
 Extra Recorder ---
 Day Standby ---
 Accessibility ---
 Sub Total 1270

EM Tool ---
 Ruined Shale Packer ---
 Ruined Packer ---
 Extra Copies ---
 Sub Total 0
 Total 1270
 MP/DST Disc't ---

Approved By

Our Representative Mark Johnson



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66106

NO.

Well Name & No. Nuss #1 Test No. 2 Date 12-7-19
 Company Blake Exploration Elevation 3824 KB 2816 GL
 Address 201 S. Main P.O. Box 150 Bogue, KS 67625.
 Co. Rep / Geo. Mike Daveyer Rig STP#1
 Location: Sec. 17 Twp 14S. Rge. 32W. Co. Logan State KS.

Interval Tested 3970-4010 Zone Tested LKC "H"
 Anchor Length 40' Drill Pipe Run 3854 Mud Wt. 8.8
 Top Packer Depth 3965. Drill Collars Run 119 Vis 60
 Bottom Packer Depth 3970 Wt. Pipe Run — WL 6.4
 Total Depth 4010 Chlorides 4400 ppm System LCM 2H

Blow Description IF - 1/4" blow built to 10 3/4"
ISI - No blowback
FF - S. blow built to 7 1/2"
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>210</u>	<u>MCW oil seam</u>		<u>67</u>	<u>33</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 210 BHT 112 Gravity — API RW 216 @ 34.0 °F Chlorides 80000 ppm

(A) Initial Hydrostatic 1972 Test 1300 T-On Location 18:30
 (B) First Initial Flow 32 Jars _____ T-Started 18:50
 (C) First Final Flow 103 Safety Joint _____ T-Open 20:39
 (D) Initial Shut-In 968 Circ Sub _____ T-Pulled 22:39
 (E) Second Initial Flow 108 Hourly Standby _____ T-Out 00:40
 (F) Second Final Flow 144 Mileage 76 RT 70 Comments _____
 (G) Final Shut-In 936 Sampler _____
 (H) Final Hydrostatic 1971 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 1370 Accessibility _____ Total 1370
 MP/DST Disc't _____

Approved By

Our Representative

Mark Bl...



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

66107

NO.

Well Name & No. Nuss #1 Test No. 3 Date 12-8-19
 Company Blake Exploration Elevation 2824 KB 2816 GL
 Address 201 S. Main P.O. Box 150 Bogue, KS 67625
 Co. Rep / Geo. Mike Dayeyer Rig STP #1
 Location: Sec. 17 Twp 14S. Rge. 32W. Co. Logan State KS.

Interval Tested 4065-4090 Zone Tested LKC "K"
 Anchor Length 25 Drill Pipe Run 3947 Mud Wt. 9.0
 Top Packer Depth 4060 Drill Collars Run 119 Vis 58
 Bottom Packer Depth 4065 Wt. Pipe Run --- WL 7.6
 Total Depth 4090 Chlorides 9400 ppm System LCM #2

Blow Description IF - S. blow built to D.O.B (11 inches) @ 14 mins (blow increased to 19")
ISI - No blowback
FF - S. blow built to B.O.B (11 inches) @ 22 mins (blow increased to 15 1/4")
FSI - No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>419</u>	<u>MCW w/oil spots.</u>		<u>87</u>	<u>13</u>	
<u>1</u>	<u>Co</u>	<u>100</u>			
	<u>Heavy oil in tool</u>				

Rec Total 420 BHT 118 Gravity --- API RW 165 @ 47.0 °F Chlorides 75,000 ppm

(A) Initial Hydrostatic 2026 Test 1300 T-On Location 13:05
 (B) First Initial Flow 28 Jars --- T-Started 13:07
 (C) First Final Flow 144 Safety Joint --- T-Open 14:34
 (D) Initial Shut-In 659 Circ Sub --- T-Pulled 16:34
 (E) Second Initial Flow 147 Hourly Standby --- T-Out 18:50
 (F) Second Final Flow 218 Mileage 70 RT x 2 70+70 Comments Not enough oil to
 (G) Final Shut-In 636 Sampler --- catch gravity
 (H) Final Hydrostatic 2034 Straddle --- Tools linded @ 04:00 12-9-19

Initial Open 30 Shale Packer --- Ruined Shale Packer ---
 Initial Shut-In 30 Extra Packer --- Ruined Packer ---
 Final Flow 30 Extra Recorder --- Extra Copies ---
 Final Shut-In 30 Day Standby --- Sub Total 0
 Sub Total 1440 Accessibility --- Total 1440
 Sub Total 1440 MP/DST Disc't ---

Approved By

Our Representative

[Signature]