KOLAR Document ID: 1530231

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 # 33306
Name: Blake Exploration, LLC
Address 1: 201 S MAIN
Address 2: PO BOX 150
City: BOGUE State: KS Zip: 67625 + 0150
Contact Person: MIKE DAVIGNON
Phone: (785) 421-2921
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Mike Davignon
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 #:

08/27/2020	09/05/2020	09/05/2020
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-109-21606-00-00
Spot Description:
E2 - NE - NW - SW Sec. 11 Twp. 11 S. R. 32 ☐ East ☑ West
2310 Feet from ☐ North / ☑ South Line of Section
1100 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Logan
Lease Name: SCHMITT Well #: 3
Field Name:
Producing Formation: none
Elevation: Ground: 3027 Kelly Bushing: 3035
Total Vertical Depth: 4594 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 274 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: 1000 ppm Fluid volume: 100 bbls
Dewatering method used: Evaporated
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: 09/18/2020
☐ **Confidential Release Date:** 09/18/2022
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 10/19/2020

Operator Name: Blake Exploration, LLC Lease Name: SCHMITT Well #: 3

Sec. 11 Twp. 11 S. R. 32 ☐ East ☑ West County: Logan

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☐ Yes	☑ No

List All E. Logs Run:

R/A GUARD

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	2543	+503
Heebner	3997	-951
Stark	4259	-1213
Pawnee	4448	-1402

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	274	com	180	cc,gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Blake Exploration, LLC
Well Name	SCHMITT 3
Doc ID	1530231

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	274	com	180	cc,gel

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 0199
LOCATION Hoxie KS
FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/27/20		Schmitt #3	11	11 S	32 W	Logan

CUSTOMER: Blake Exploration
MAILING ADDRESS:
CITY | STATE | ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Scott T		
102	Miles S		

JOB TYPE Surface HOLE SIZE 12¼" HOLE DEPTH 274' CASING SIZE & WEIGHT 8 5/8" 24#
CASING DEPTH ____ DRILL PIPE ____ TUBING ____ OTHER ____
SLURRY WEIGHT 14.8 SLURRY VOL 1.32 cu WATER gal/sk ____ CEMENT LEFT in CASING 20'
DISPLACEMENT 16 bbls DISPLACEMENT PSI ____ MIX PSI ____ RATE ____

REMARKS: Safety Meeting: Rig up on Duke drilling Rig #2
Circulate casing Mix 180 sx 60/40 3%cc 2% gel displace 16 bbls water
Shut in

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC 002	1	PUMP CHARGE	1150.00	1150.00
M001	15	MILEAGE	6.50	97.50
M003	8.1 TONS	Ton Mileage delivery	100.00	100.00
CB014	180 sx	60/40 3%cc 2% gel	18.25	3285.00
			Subtotal	5132.50
		less 40%	disc 40	2053.00
			Subtotal	3079.50
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION Dion Vasquez TITLE Pusher 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.

FRANKS Oilfield Service

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TICKET NUMBER 0202
LOCATION Hoxie KS
FOREMAN Mike Shaw

FIELD TICKET & TREATMENT REPORT

CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/5/20		Schmitt 43	11	11 S	32 W	Logan

CUSTOMER: Blake Exploration
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Mike S		
	Preston D		

JOB TYPE PTA HOLE SIZE 7 7/8" HOLE DEPTH 4595' CASING SIZE & WEIGHT
CASING DEPTH DRILL PIPE 4.5" TUBING OTHER
SLURRY WEIGHT 13.7 SLURRY VOL 1.4 WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety Meeting and Rig up on Duke drilling Rig #2 Plug as ordered
1st plug 50sx @ 2550'
2nd plug 100sx @ 1630'
3rd plug 50sx @ 370'
4th plug 10sx w/plug @ 40'
RH 30sx
MH 15sx
255 sx 60/40 4% gel 1/4# flo

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	1	PUMP CHARGE	1150.00	1150.00
M001	15	MILEAGE	6.50	97.50
M003	11.35	Ton Mileage delivery	100.00	100.00
CB010	255 sx	60/40 4% gel 1/4# flo	16.25	4143.75
FE054	1	5 1/2 Wooden plug	165.00	165.00
			Subtotal	6456.25
			less 40% discount	2462.50
			Subtotal	3993.75
			SALES TAX	206.82
			ESTIMATED TOTAL	3900.57

AUTHORIZATION Dion Vasquez TITLE Pusher DATE

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TICKET NUMBER 0199
LOCATION Hoxie KS
FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

MS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/27/20		Schmitt #3	11	11 S	32 W	Logan

CUSTOMER: Blake Exploration
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Scott		
102	Miles S		

JOB TYPE Surface HOLE SIZE 12¼" HOLE DEPTH 274' CASING SIZE & WEIGHT 8⅝" 24#
CASING DEPTH ____ DRILL PIPE ____ TUBING ____ OTHER ____
SLURRY WEIGHT 14.8 SLURRY VOL 1.32 WATER gal/sk ____ CEMENT LEFT in CASING 20'
DISPLACEMENT 16 bbls DISPLACEMENT PSI ____ MIX PSI ____ RATE ____

REMARKS: Safety Meeting: Rig up on Duke drilling Rig #2
Circulate casing Mix 180 sx 60/40 3%cc 2% gel displace 16 bbls water
Shut in

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC 002	1	PUMP CHARGE	1150.00	1150.00
M001	15	MILEAGE	6.50	97.50
M003	8.1 TONS	Ton Mileage delivery	600.00	600.00
CB014	180 sx	60/40 3%cc 2% gel	18.25	3285.00
			Subtotal	5132.50
		less 40%	disc 40	2053.00
			Subtotal	3079.50
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION Dion Vasquez TITLE Pusher DATE ____

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TICKET NUMBER 0202
LOCATION Hoxie KS
FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/5/20		Schmidt #3	11	11 S	32 W	Logan

CUSTOMER: Blake Exploration
MAILING ADDRESS:
CITY | STATE | ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Miles S		
	Preston D		

JOB TYPE PTA | HOLE SIZE 7 7/8" | HOLE DEPTH 4595' | CASING SIZE & WEIGHT
CASING DEPTH | DRILL PIPE 4.5" | TUBING | OTHER
SLURRY WEIGHT 13.7 | SLURRY VOL 1.4 | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety Meeting and Rig up on Duke drilling Rig #2 Plug as ordered
1st plug 50sx @ 2550'
2nd plug 100sx @ 1630'
3rd plug 50sx @ 370'
4th plug 10sx in plus @ 40'
RH 30sx
MH 15sx
255 sx 60/40 4% gel 1/4# flo

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	1	PUMP CHARGE	1150.00	1150.00
M001	15	MILEAGE	6.50	97.50
M003	11.35	Ton Mileage delivery	1.00	1.00
CB010	255 sx	60/40 4% gel 1/4# flo	16.25	4143.75
FE054	1	5 5/8 Wooden plug	165.00	165.00
			Subtotal	6556.25
			less 40% discount	2462.50
			Subtotal	3693.75
			SALES TAX	206.82
			ESTIMATED TOTAL	3900.57

AUTHORIZATION Dion Vasquez TITLE Pusher DATE

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DRILL STEM TEST REPORT

Blake Exploration

201 S. Main
PO Box 150
Bouge KS 67625
ATTN: Michael Davignon

11-11s-32w Logan KS

Schmitt #3

Job Ticket: 66663 **DST#: 1**

Test Start: 2020.09.01 @ 09:09:00

GENERAL INFORMATION:

Formation: **LKC " F "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:33:00
Time Test Ended: 14:54:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Nichols
Unit No: 71

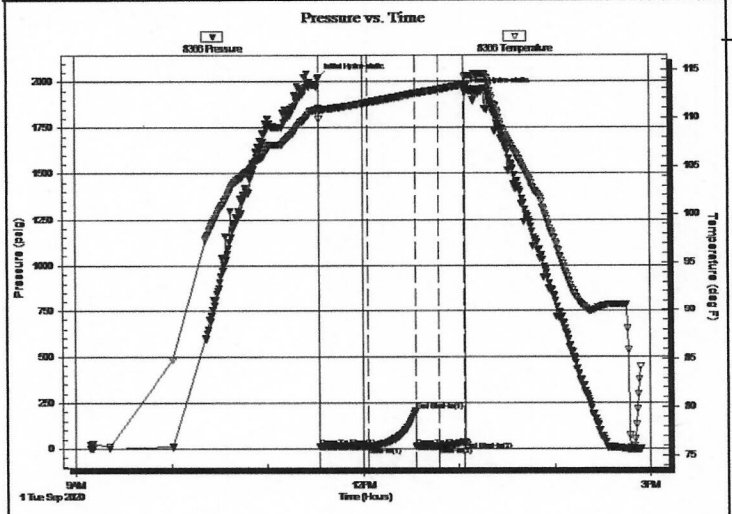
Interval: 4095.00 ft (KB) To 4125.00 ft (KB) (TVD)
Total Depth: 4125.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3046.00 ft (KB)
3037.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**
Press@RunDepth: 12.63 psig @ 4096.00 ft (KB)
Start Date: 2020.09.01 End Date: 2020.09.01
Start Time: 09:09:01 End Time: 14:54:30

Capacity: 8000.00 psig
Last Calib.: 2020.09.01
Time On Btm: 2020.09.01 @ 11:32:50
Time Off Btm: 2020.09.01 @ 13:04:10

TEST COMMENT: 30 IF - Surface blow died @ 25 mins
30 ISI - No return
15 FF - No blow
15 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.19	111.06	Initial Hydro-static
1	10.94	109.90	Open To Flow (1)
31	12.59	111.55	Shut-In(1)
60	205.02	112.52	End Shut-In(1)
61	12.15	112.45	Open To Flow (2)
75	12.63	112.93	Shut-In(2)
91	37.92	113.39	End Shut-In(2)
92	1946.20	114.21	Final Hydro-static

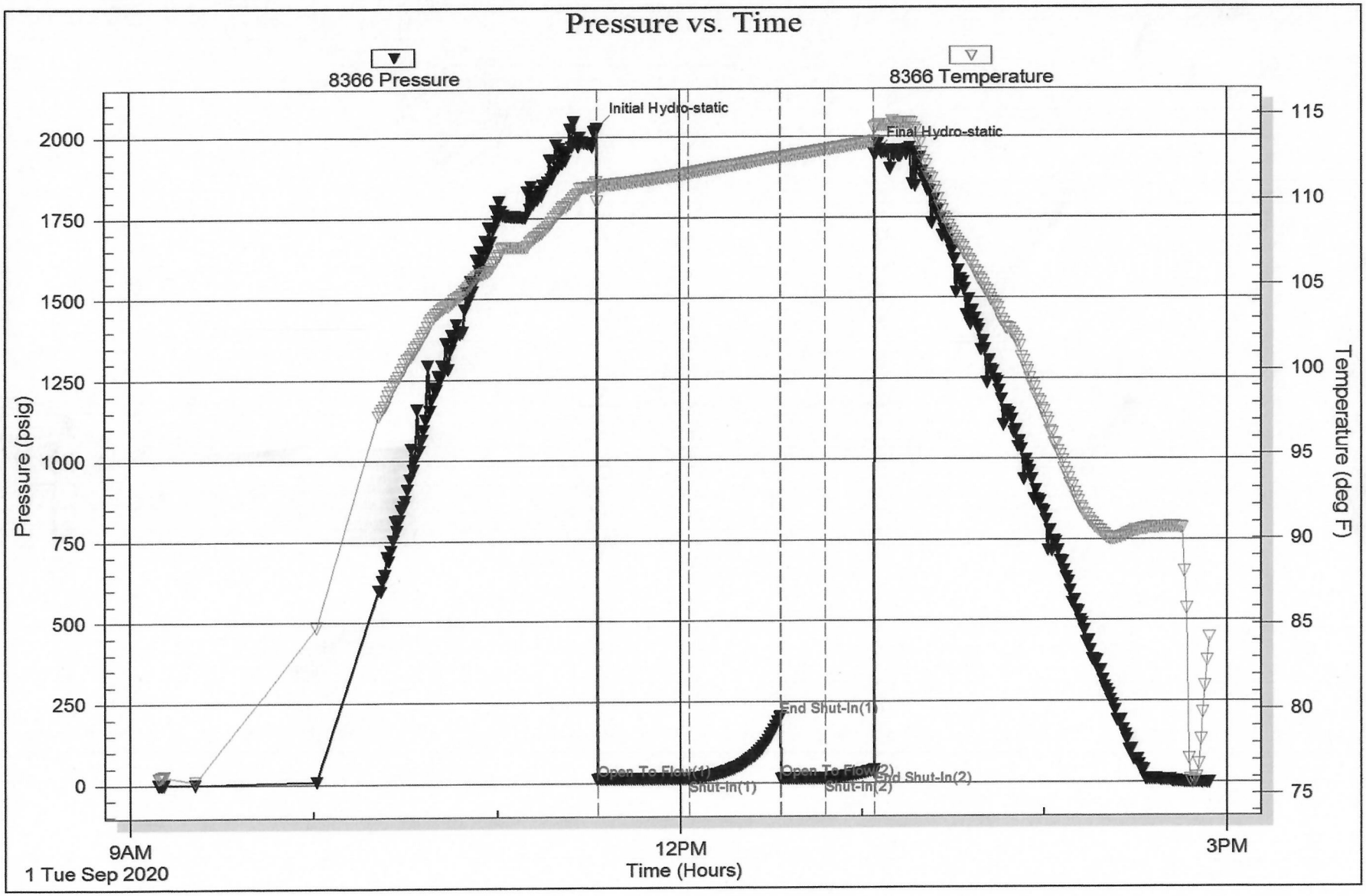
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%M	0.07

Gas Rates

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

Serial #: 8366 **Outside** Blake Exploration Schmitt #3 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 66663 Printed: 2020.09.01 @ 15:15:06

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket NO. 66663

Well Name & No. Schmitt #3 Test No. 1 Date 9/1/20

Company Blake Exploration Elevation 3046 KB 3037 GL

Address 201 S Main PO Box 150 Bazine KS 67625

Co. Rep / Geo. Michael Davignon Rig Duke

Location: Sec. 11 Twp 11S Rge. 32W Co. Logan State KS

Interval Tested 4095 - 4125 Zone Tested LKC "F"

Anchor Length 30' Drill Pipe Run 4081' Mud Wt. 9.0

Top Packer Depth 4090 Drill Collars Run 0' Vis 62

Bottom Packer Depth 4095 Wt. Pipe Run 0' WL 7.2

Total Depth 4125 Chlorides 1900 ppm System LCM 1

Blow Description 30 IF - Surface blow died @ 25 mins
30 ISI - No return
15 FF - No blow
15 FSI - No return

Rec 5'	Feet of Mud	%gas	%oil	%water	100	%mud
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 113° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2025	☐ Test		T-On Location	08:00
(B) First Initial Flow	11	☐ Jars		T-Started	09:09
(C) First Final Flow	13	☐ Safety Joint		T-Open	11:33
(D) Initial Shut-In	205	☐ Circ Sub		T-Pulled	13:03
(E) Second Initial Flow	12	☐ Hourly Standby		T-Out	14:45
(F) Second Final Flow	13	☒ Mileage	100 RT	Comments	
(G) Final Shut-In	38	☐ Sampler			
(H) Final Hydrostatic	1946	☐ Straddle		☒ EM Tool	
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	30	☐ Extra Recorder		☐ Extra Copies	
Final Flow	15	☐ Day Standby		Sub Total	
Final Shut-In	15	☐ Accessibility		Total	
		Sub Total		MP/DST Disc't	

Approved By _____ Our Representative Ty Zahl

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Blake Exploration

201 S. Main
PO Box 150
Bouge KS 67625
ATTN: Michael Davignon

11-11s-32w Logan KS

Schmitt #3

Job Ticket: 66664 **DST#: 2**

Test Start: 2020.09.02 @ 05:33:00

GENERAL INFORMATION:

Formation: **LKC " H - J "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:58:50
Time Test Ended: 13:58:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 4160.00 ft (KB) To 4250.00 ft (KB) (TVD)
Total Depth: 4250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

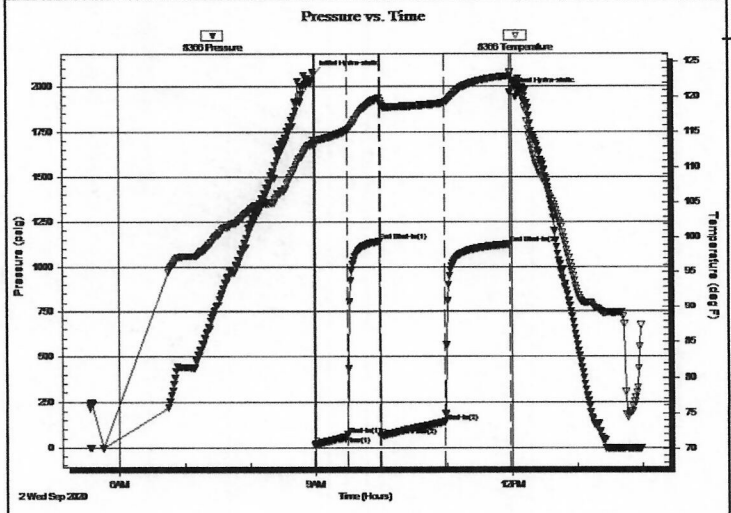
Reference Elevations: 3046.00 ft (KB)
3037.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 141.93 psig @ 4161.00 ft (KB)
Start Date: 2020.09.02 End Date: 2020.09.02
Start Time: 05:33:00 End Time: 13:58:39

Capacity: 8000.00 psig
Last Calib.: 2020.09.02
Time On Btm: 2020.09.02 @ 08:58:40
Time Off Btm: 2020.09.02 @ 11:58:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.60	113.83	Initial Hydro-static
1	15.39	112.90	Open To Flow (1)
31	71.89	115.22	Shut-In(1)
60	1140.98	119.89	End Shut-In(1)
61	63.58	119.42	Open To Flow (2)
120	141.93	119.19	Shut-In(2)
180	1125.57	122.98	End Shut-In(2)
180	1967.00	123.52	Final Hydro-static

Recovery

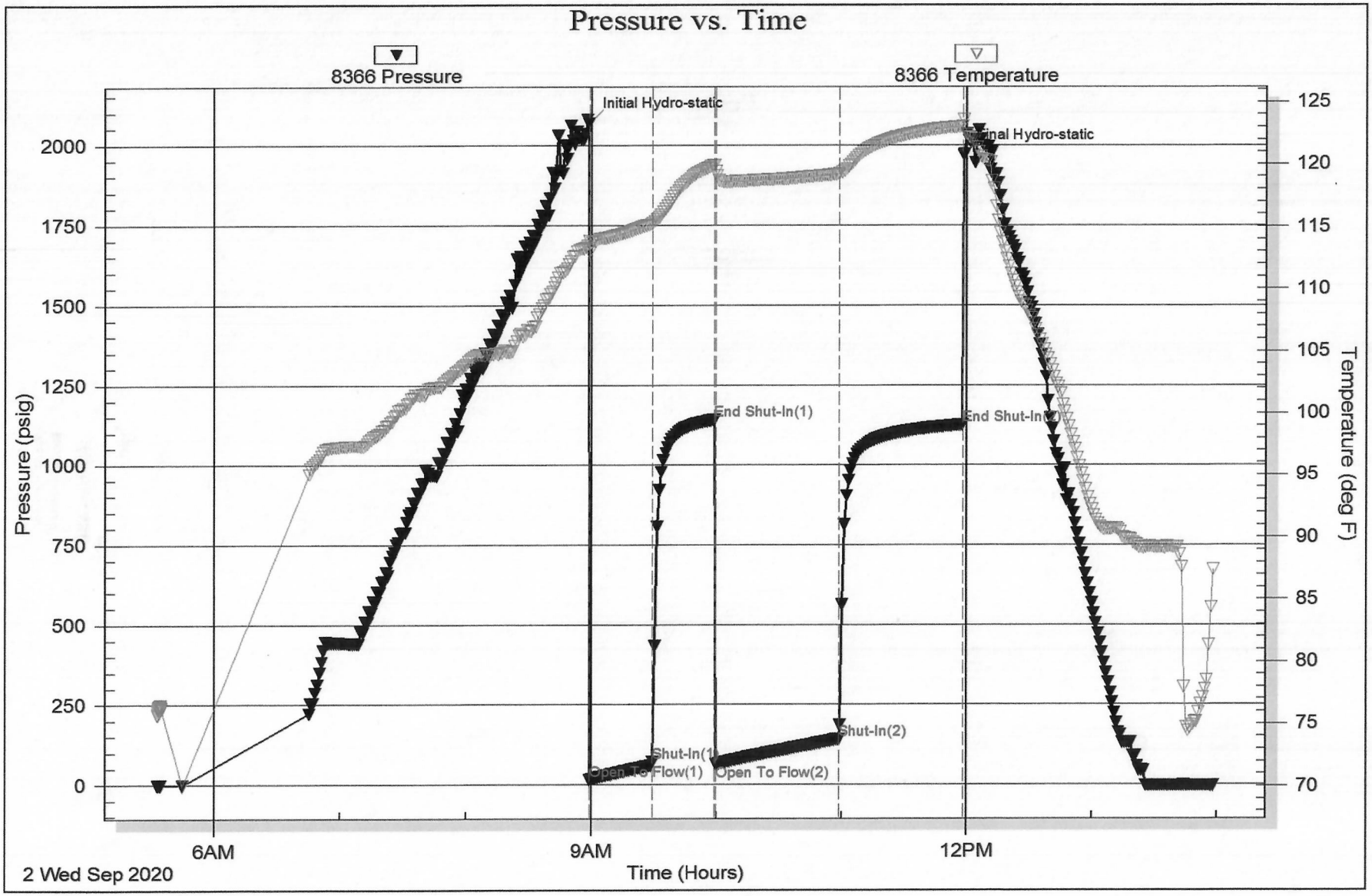
Length (ft)	Description	Volume (bbl)
63.00	MCW - 20%M - 80%W	0.88
189.00	MCW - 5%M - 95%W	2.65
15.00	OMCW - 10%o - 20%M - 70%W	0.21
3.00	OMCW - 20%o - 20%M - 60%W	0.04

* Recovery from multiple tests

Gas Rates

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

Serial #: 8366 **Outside** Blake Exploration Schmitt #3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 66664 Printed: 2020.09.02 @ 14:06:27

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket NO. 66664

Well Name & No. Schmitt #3 Test No. 2 Date 9/2/20

Company Blake Exploration Elevation 3046 KB 3037 GL

Address 201 S. Main P.O Box 150 Bogue KS 67625

Co. Rep / Geo. Michael Davignon Rig Duke #2

Location: Sec. 11 Twp 11S Rge. 32W Co. Logan State KS

Interval Tested 4160 - 4250 Zone Tested "H-J"

Anchor Length 90' Drill Pipe Run 4142' Mud Wt. 9.0

Top Packer Depth 4155 Drill Collars Run 0' Vis 63

Bottom Packer Depth 4160 Wt. Pipe Run 0' WL 7.2

Total Depth 4250 Chlorides 2000 ppm System LCM 1

Blow Description 30 IF - ½" blow built to 7½"

30 ISI - No return

60 FF - Surface blow built to 10½"

60 FSI - No return

Rec 3	Feet of OMCW	%gas 20	%oil 60	%water 20	%mud	
Rec 15	Feet of OMCW	%gas 10	%oil 70	%water 20	%mud	
Rec 189'	Feet of MCW	%gas	%oil 95	%water 5	%mud	
Rec 63'	Feet of MCW	%gas	%oil 80	%water 20	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 270 BHT 123° Gravity — API RW .102 @ 87 °F Chlorides 57,000 ppm

(A) Initial Hydrostatic	2067	☑ Test		T-On Location	04:30
(B) First Initial Flow	15	☐ Jars		T-Started	05:33
(C) First Final Flow	72	☐ Safety Joint		T-Open	08:58
(D) Initial Shut-In	1141	☐ Circ Sub		T-Pulled	11:58
(E) Second Initial Flow	64	☐ Hourly Standby		T-Out	14:00
(F) Second Final Flow	142	☑ Mileage		Comments	
(G) Final Shut-In	1126	☐ Sampler			
(H) Final Hydrostatic	1967	☐ Straddle		☑ EM Tool	
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	30	☐ Extra Recorder		☐ Extra Copies	
Final Flow	60	☐ Day Standby		Sub Total	
Final Shut-In	60	☐ Accessibility		Total	
		Sub Total		MP/DST Disc't	

Approved By _____ Our Representative Ryan Nicols

DRILL STEM TEST REPORT

Blake Exploration

201 S. Main
PO Box 150
Bouge KS 67625
ATTN: Michael Davignon

11-11s-32w Logan KS

Schmitt #3

Job Ticket: 66665 **DST#: 3**

Test Start: 2020.09.02 @ 23:17:00

GENERAL INFORMATION:

Formation: **LKC " K "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:34:10
Time Test Ended: 06:36:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

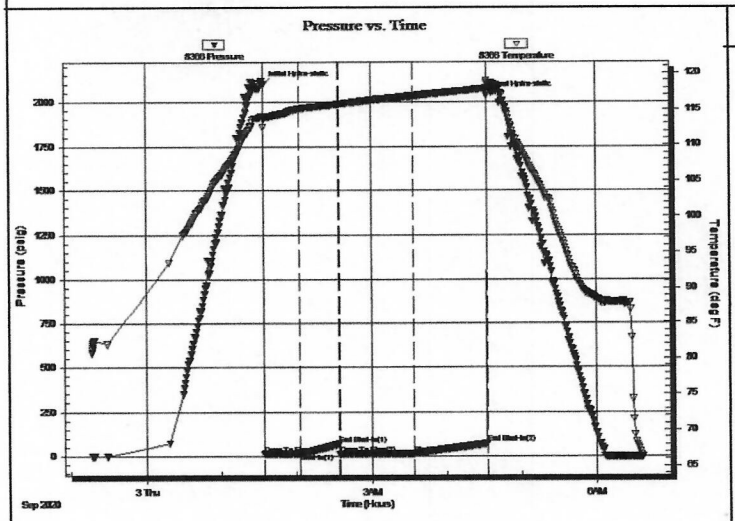
Interval: 4245.00 ft (KB) To 4282.00 ft (KB) (TVD)
Total Depth: 4282.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3046.00 ft (KB)
3037.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**
Press@RunDepth: 14.02 psig @ 4246.00 ft (KB)
Start Date: 2020.09.02 End Date: 2020.09.03
Start Time: 23:17:00 End Time: 06:36:30

Capacity: 8000.00 psig
Last Calib.: 2020.09.03
Time On Btm: 2020.09.03 @ 01:34:00
Time Off Btm: 2020.09.03 @ 04:32:39

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2095.99	114.01	Initial Hydro-static
1	12.65	112.55	Open To Flow (1)
29	14.21	115.08	Shut-In(1)
61	68.10	115.73	End Shut-In(1)
61	8.75	115.72	Open To Flow (2)
120	14.02	116.85	Shut-In(2)
179	70.00	117.88	End Shut-In(2)
179	2031.93	118.95	Final Hydro-static

Recovery

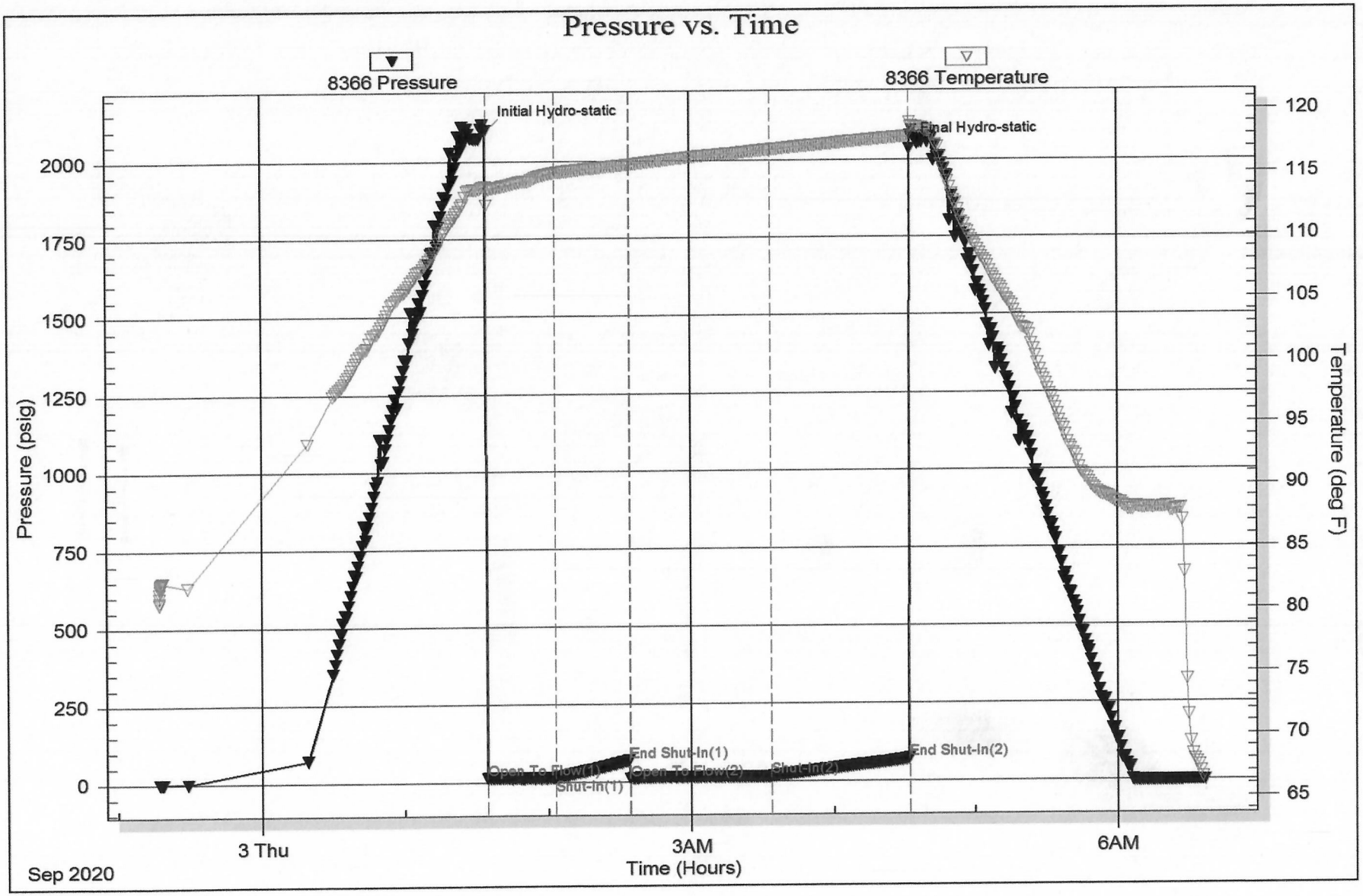
Length (ft)	Description	Volume (bbl)
10.00	OCM - 20%o - 80%M	0.14

* Recovery from multiple tests

Gas Rates

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

Serial #: 8366 **Outside** Blake Exploration Schmitt #3 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 66665 Printed: 2020.09.03 @ 06:38:06

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket NO. 66665

Well Name & No. Schmitt #3 Test No. 3 Date 9/2/20

Company Blake Exploration Elevation 3046 KB 3037 GL

Address 201 S. Main P.O. Box 150 Bogue KS 67625

Co. Rep / Geo. Michael Davignon Rig Duke #2

Location: Sec. 11 Twp 11S Rge. 32W Co. Logan State KS

Interval Tested 4245 - 4282 Zone Tested LKC "K"

Anchor Length 37' Drill Pipe Run 4234' Mud Wt. 9.0

Top Packer Depth 4240 Drill Collars Run 0' Vis 63

Bottom Packer Depth 4245 Wt. Pipe Run 0' WL 7.2

Total Depth 4282 Chlorides 2000 ppm System LCM 1

Blow Description 30 IF - Surface blow built to 1¼"

30 ISI - No return

60 FF - 1" blow built to 1½" died back to 1"

60 FSI - No return

Rec 10'	Feet of OCM	%gas 20	%oil	%water 80	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 118° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2096

(B) First Initial Flow 13

(C) First Final Flow 14

(D) Initial Shut-In 68

(E) Second Initial Flow 9

(F) Second Final Flow 14

(G) Final Shut-In 70

(H) Final Hydrostatic 2032

Initial Open 30

Initial Shut-In 30

Final Flow 60

Final Shut-In 60

- ☑ Test
- ☐ Jars
- ☐ Safety Joint
- ☐ Circ Sub
- ☐ Hourly Standby
- ☑ Mileage 100 RT
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total

T-On Location 22:30

T-Started 23:17

T-Open 01:34

T-Pulled 04:34

T-Out 06:30

Comments

- ☑ EM Tool
- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total

Total

MP/DST Disc't

Approved By Our Representative Ryan Nuhfer

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Blake Exploration

201 S. Main
PO Box 150
Bouge KS 67625
ATTN: Michael Davignon

11-11s-32w Logan KS

Schmitt #3

Job Ticket: 66666 **DST#: 4**

Test Start: 2020.09.03 @ 14:56:00

GENERAL INFORMATION:

Formation: **LKC " L "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:40:20
Time Test Ended: 20:51:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 4280.00 ft (KB) To 4310.00 ft (KB) (TVD)
Total Depth: 4310.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

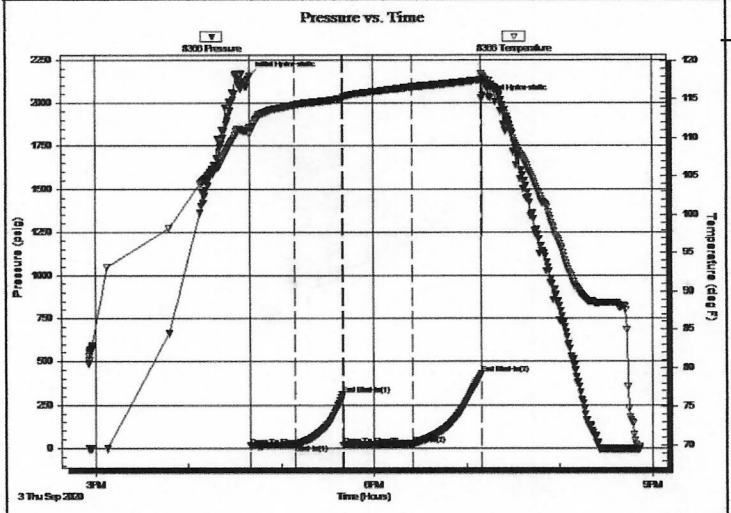
Reference Elevations: 3046.00 ft (KB)
3037.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 25.55 psig @ 4281.00 ft (KB)
Start Date: 2020.09.03 End Date: 2020.09.03
Start Time: 14:56:00 End Time: 20:51:39

Capacity: 8000.00 psig
Last Calib.: 2020.09.03
Time On Btm: 2020.09.03 @ 16:40:10
Time Off Btm: 2020.09.03 @ 19:10:10

TEST COMMENT: 30 IF - 1/4" blow built to 6 1/2"
30 ISI - No return
45 FF - 1 3/4" blow built to 10 1/2"
45 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2156.29	111.34	Initial Hydro-static
1	14.49	110.51	Open To Flow (1)
30	20.26	114.27	Shut-In(1)
60	310.85	115.06	End Shut-In(1)
61	18.55	115.06	Open To Flow (2)
106	25.55	116.63	Shut-In(2)
150	430.29	117.53	End Shut-In(2)
150	2025.38	118.37	Final Hydro-static

Recovery

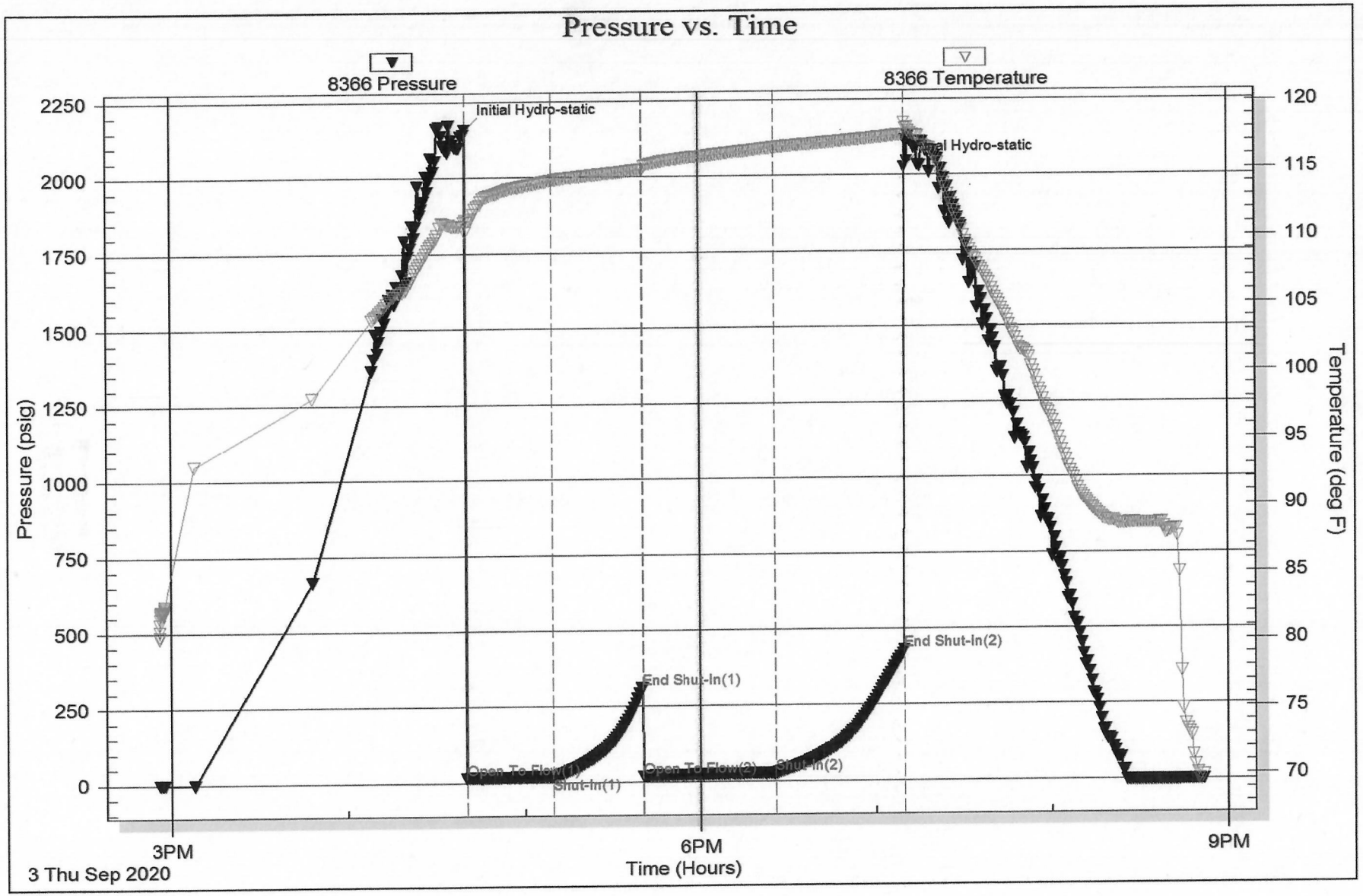
Length (ft)	Description	Volume (bbl)
36.00	GOCM - 20%G - 30%o - 50%M	0.50
0.00	215' GIP	0.00

* Recovery from multiple tests

Gas Rates

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

Serial #: 8366 **Outside** Blake Exploration Schmitt #3 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 66666 Printed: 2020.09.03 @ 20:54:17

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket NO. 66666

Well Name & No. Schmitt # 3 Test No. 4 Date 9/3/20

Company Blake Exploration Elevation 3046 KB 3037 GL

Address 201 S. Main P.O. Box 150 Bogue KS 67625

Co. Rep / Geo. Michael Davignon Rig Duke #2

Location: Sec. 11 Twp 11S Rge. 32W Co. Logan State KS

Interval Tested 4280 - 4310 Zone Tested LKC "L"

Anchor Length 30' Drill Pipe Run 4266' Mud Wt. 9.2

Top Packer Depth 4275 Drill Collars Run 0' Vis 60

Bottom Packer Depth 4280 Wt. Pipe Run 0' WL 7.6

Total Depth 4310 Chlorides 2800 ppm System LCM 1

Blow Description 30 IF - 1/4" blow built to 6 1/2"

30 FSI - No return

45 FF - 1 3/4" blow built to 10 1/2"

45 FSI - No return

Rec 36'	Feet of GOCM	20 %gas	30 %oil	%water 50	%mud
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 36' BHT 118° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2156	☑ Test		T-On Location 14:30
(B) First Initial Flow 14	☐ Jars		T-Started 14:54
(C) First Final Flow 20	☐ Safety Joint		T-Open 16:40
(D) Initial Shut-In 311	☐ Circ Sub		T-Pulled 19:10
(E) Second Initial Flow 19	☐ Hourly Standby		T-Out 20:45
(F) Second Final Flow 26	☑ Mileage 100 RT		Comments 216' GIP
(G) Final Shut-In 430	☐ Sampler		
(H) Final Hydrostatic 2025	☐ Straddle		☑ EM Tool
	☐ Shale Packer		☐ Ruined Shale Packer
Initial Open 30	☐ Extra Packer		☐ Ruined Packer
Initial Shut-In 30	☐ Extra Recorder		☐ Extra Copies
Final Flow 45	☐ Day Standby		Sub Total
Final Shut-In 45	☐ Accessibility		Total
	Sub Total		MP/DST Disc't

Approved By _____ Our Representative Mike Schmitt

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.

DRILL STEM TEST REPORT

Blake Exploration

201 S. Main
PO Box 150
Bouge KS 67625
ATTN: Michael Davignon

11-11s-32w Logan KS

Schmitt #3

Job Ticket: 66668 **DST#: 5**

Test Start: 2020.09.04 @ 07:45:00

GENERAL INFORMATION:

Formation: **Lennaph.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:55:00
Time Test Ended: 12:57:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 71

Interval: 4310.00 ft (KB) To 4350.00 ft (KB) (TVD)
Total Depth: 4350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

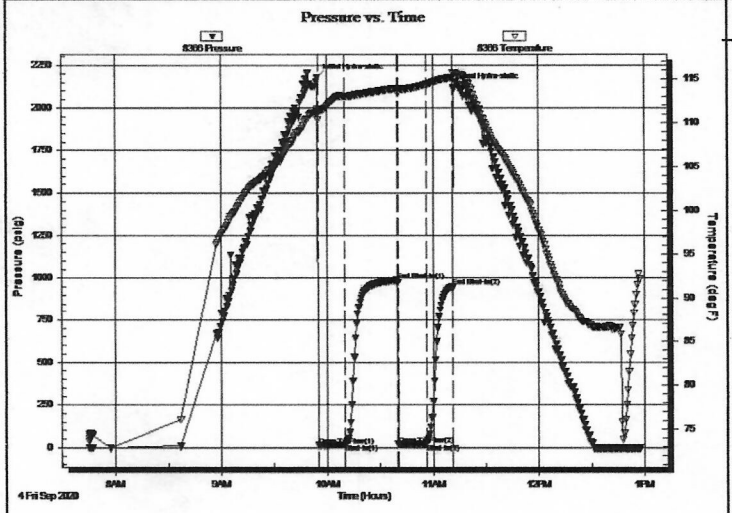
Reference Elevations: 3046.00 ft (KB)
3037.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8366 **Outside**

Press@RunDepth: 23.71 psig @ 4311.00 ft (KB)
Start Date: 2020.09.04 End Date: 2020.09.04
Start Time: 07:45:00 End Time: 12:57:30

Capacity: 8000.00 psig
Last Calib.: 2020.09.04
Time On Btm: 2020.09.04 @ 09:54:50
Time Off Btm: 2020.09.04 @ 11:11:40

TEST COMMENT: 15 IF - Surface blow built 3/4"
30 ISI - No return
15 FF - Surface blow
15 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2178.22	111.62	Initial Hydro-static
1	13.48	110.37	Open To Flow (1)
16	19.90	113.06	Shut-In(1)
45	987.43	113.95	End Shut-In(1)
46	19.90	113.39	Open To Flow (2)
62	23.71	114.40	Shut-In(2)
77	950.99	115.18	End Shut-In(2)
77	2118.93	115.71	Final Hydro-static

Recovery

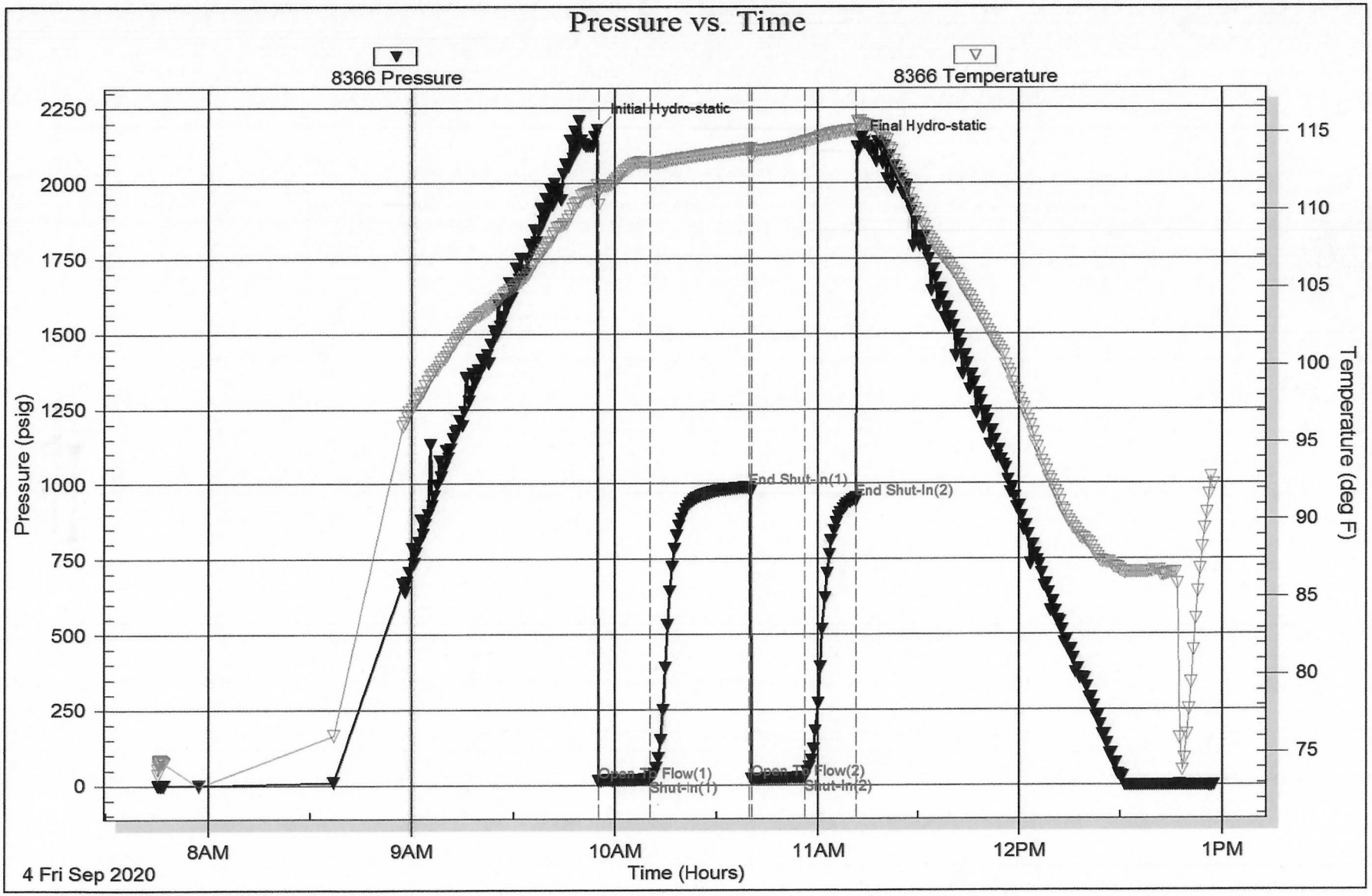
Length (ft)	Description	Volume (bbl)
15.00	Mud w /oil spots 100%M	0.21

* Recovery from multiple tests

Gas Rates

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

Serial #: 8366 **Outside** Blake Exploration Schmitt #3 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 66668 Printed: 2020.09.04 @ 12:57:45

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket 66668

NO.

Well Name & No. Schmitt #3 Test No. 5 Date 9/4/20

Company Blake Exploration Elevation 3046 KB 3037 GL

Address 201 S. Main P.O. Box 150 Bogue KS 67625

Co. Rep / Geo. Michael Davignon Rig Duke #2

Location: Sec. 11 Twp 11S Rge. 32W Co. Logan State KS

Interval Tested 4310 - 4350 Zone Tested Lennagh.

Anchor Length 40' Drill Pipe Run 4296' Mud Wt. 9.3

Top Packer Depth 4305 Drill Collars Run 0' Vis 55

Bottom Packer Depth 4310 Wt. Pipe Run 0' WL 8.0

Total Depth 4350 Chlorides 3000 ppm System LCM 1

Blow Description 15 IF - Surface blow built to 3/4"
30 ISI - No return
15 FF - Surface blow
15 FSI - No return

Rec 15' Feet of Mud w/oil spots %gas Spots %oil %water 100 %mud

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 15' BHT 115° Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 2178	☑ Test	T-On Location 07:00
(B) First Initial Flow 13	☐ Jars	T-Started 07:45
(C) First Final Flow 20	☐ Safety Joint	T-Open 09:55
(D) Initial Shut-In 987	☐ Circ Sub	T-Pulled 11:10
(E) Second Initial Flow 20	☐ Hourly Standby	T-Out 13:00
(F) Second Final Flow 24	☑ Mileage 100 RT	Comments
(G) Final Shut-In 951	☐ Sampler	
(H) Final Hydrostatic 2119	☐ Straddle	☐ EM Tool
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 15	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies
Final Flow 15	☐ Day Standby	Sub Total
Final Shut-In 15	☐ Accessibility	Total
	Sub Total	MP/DST Disc't

Approved By ____ Our Representative Ty Wilson