

Bonnewell-Carter Unit
18-1

API # 15-159-22846-00-00

Operator: Stratakan Exploration, LLC

Well Name & No: Bonnewell-Carter Unit #18-1

Location: 1834 FSL & 2746 FEL Section 18-18s-9w

County: Rice

State: Kansas

Rig No.: 12 Contractor: WW Drilling, LLC

Tool Pusher: Calvin Phannensteil 785-743-8120

Drill Collars: 14 Size 6.26 x 2.25

Rig Phone: 785-259-1727

Make Pump: N K-380

Liner & Stroke: 6x14

Spud

5:45 PM

Approx. TD: 3300 Elevation: 1,720 G.L.

1728 KB

Hole Complete:

Mud Co.: Andys

Mud Engineer: Dennis

Water

Date	07/13/17	07/14/17	07/15/17	07/16/17	07/17/17	07/18/17	07/19/17			
Days	1-spud	2-WOC	3-Repair	4-Drlg	5-Drlg	6-Plugging	7-Done			
Depth		332	1653	2653	3191	3300	3300			
Ft. Cut		332	1321	1000	538	109				
Drill Time		4.5								
Down Time		NA	2.5	2						
Co. Time		6.50-WOC	1.5 WOC		4.25	20	8.5			
Bit Wt.	all	ALL	28,000	35,000	35,000	35,000				
RPM	100	100	90	85	85	85				
Pressure	450	450	600	600	650	650				
SPM	60	60	60	60	60	60				
Mud Cost					9219	9578	9578			
Mud Wt.		9.5	9.2	8.6	9	9.1				
Viscosity		34		50	50	50				
Water Loss		NA			8.5	9.2				
Chlorides		NA			4000	7800				
L.C.M.		NA		4#	2#	3#				
Dev. Sur		.25-332'				.5-3243				
Dev. Sur		NA								
Fuel		2854	3394	3135	2854	2679	2620			
Water-Pit		FULL	3'	Full	Full	Full				
ACC Bit Hrs.		4.25	18.75	39.75	59	63				
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm				
Weather		P/Cloudy	Foggy	P/cloudy	Clear	P/cloudy				

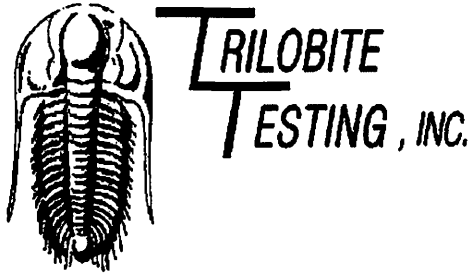
No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Sm-tooth	332	332	4.25	4.25	RR	RH7490	
2	7 7/8	VAREL		2968	63	67.25		1387945	
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
332	8 5/8	170	Common, 3% cc & 2% gel	12:30 AM	8:30 AM	Quality -Did Circulate
		195	As ordered	11:30 AM		Quality

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3168'-3243'	30	30			5" Mud
2						
3						35sx @3228' Top of Arbuckle
4						35sx @1200'
5						35sx @850'
6						35sx @ 380'
7						25sx @60'
8						30sx in Rathole
9						195sx total

Surface Casing Furnished by: Smith Supply & hauled by Smith, 8 Jts. 8 5/8, 20#, Talley 322' Set at 331'

Strap & welded by Jacobs Welding. Main drive chain repair. Displaced @ 2344' (650 bbls). Short Trip @ 3160' (30 stands) 2.5 hrs. Logged by Pioneer (LTD 3297) 3.75 hrs. Plugged as ordered by Quality cementing plug down @ 11:30 am, 7/18/2017 Released rig @ 3:30 pm, 7/18/2017.



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St
Plainville, KS 67663

ATTN: Jason Alm

18-18S-9W Rice,KS

Bonnewell-Carter Unit #18-1

Start Date: 2017.07.17 @ 13:16:00

End Date: 2017.07.17 @ 17:38:00

Job Ticket #: 62627 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.07.18 @ 11:02:21

Stratakan Exploration LLC

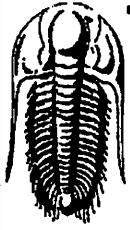
Bonnewell-Carter Unit #18-1

18-18S-9W Rice,KS

DST # 1

Arbuckle

2017.07.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stratakan Exploration LLC

Bonnewell-Carter Unit #18-1

204 W Mill St
Plainville, KS 67663

18-18S-9W Rice,KS

Job Ticket: 62627

DST#: 1

ATTN: Jason Alm

Test Start: 2017.07.17 @ 13:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 14:59:00

Time Test Ended: 17:38:00

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Ken Swinney**

Unit No: **72**

Interval: **3168.00 ft (KB) To 3243.00 ft (KB) (TVD)**

Total Depth: **3243.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1728.00 ft (KB)**

1720.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **22.20 psig @ 3169.00 ft (KB)**

Start Date: **2017.07.17**

End Date: **2017.07.17**

Start Time: **13:16:05**

End Time: **17:37:59**

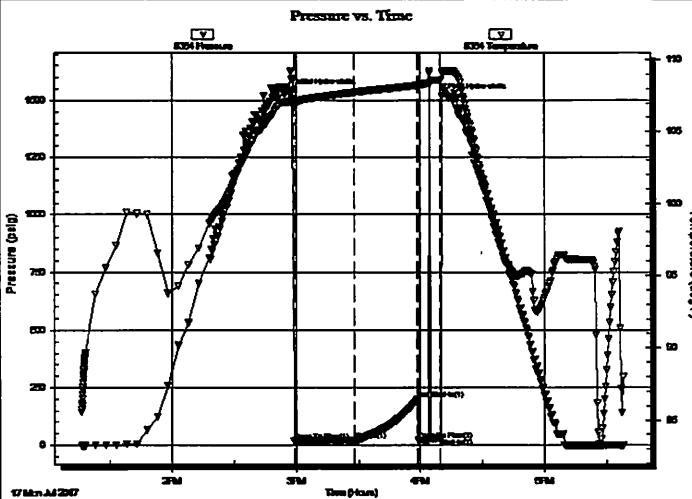
Capacity: **8000.00 psig**

Last Calib.: **2017.07.17**

Time On Btm: **2017.07.17 @ 14:57:00**

Time Off Btm: **2017.07.17 @ 16:10:30**

TEST COMMENT: IFP 30 Minutes Surface blow died in 7 minutes
ISI 30 Mintues No blow back
FFP 10 Minutes No blow - Flush tool no help - Pull test



PRESSURE SUMMARY

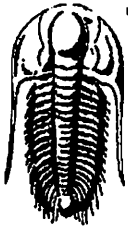
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.67	107.07	Initial Hydro-static
2	18.41	106.71	Open To Flow (1)
31	22.20	107.73	Shut-In(1)
62	197.88	108.22	End Shut-In(1)
62	22.92	108.20	Open To Flow (2)
73	29.11	108.60	Shut-In(2)
74	1514.38	109.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/light oil spots / Mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stratakan Exploration LLC

Bonnewell-Carter Unit #18-1

204 W Mill St
Plainville, KS 67663

18-18S-9W Rice, KS

Job Ticket: 62627

DST#: 1

ATTN: Jason Alm

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Total Depth: **3243.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1728.00 ft (KB)**

1720.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8960

Outside

Press@RunDepth: **198.58 psig @ 3170.00 ft (KB)**

Start Date: **2017.07.17**

End Date:

2017.07.17

Start Time: **13:16:05**

End Time:

17:37:59

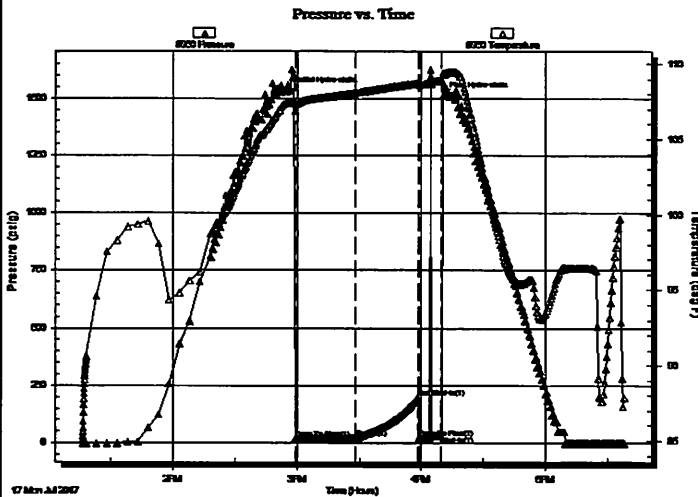
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ISI 30 Minutes No blow back
FFP 10 Minutes No blow - Flush tool no help - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1532.41	107.44	Initial Hydro-static
2	17.20	106.87	Open To Flow (1)
31	21.70	108.07	Shut-In(1)
62	198.58	108.73	End Shut-In(1)
62	22.45	108.64	Open To Flow (2)
73	27.96	108.90	Shut-In(2)
74	1512.59	109.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/light oil spots / Mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

Bonnewell-Carter Unit #18-1

204 W Mill St
Plainville, KS 67663

18-18S-9W Rice,KS

Job Ticket: 62627

DST#: 1

ATTN: Jason Alm

Test Start: 2017.07.17 @ 13:16:00

Tool Information

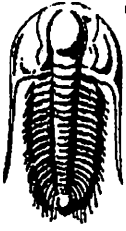
Drill Pipe:	Length: 3039.00 ft	Diameter: 3.80 inches	Volume: 42.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 43.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3168.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.25 ft			
Tool Length:	95.25 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3153.00	
Hydraulic tool	5.00			3158.00	
Top Packer	5.00			3163.00	
Packer	5.00			3168.00	20.00 Bottom Of Top Packer
Recorder	1.00	8354	Inside	3169.00	
Recorder	1.00	8960	Outside	3170.00	
Anchor	37.00			3207.00	
Change Over Sub	1.00			3208.00	
Drill Pipe	31.25			3239.25	
Change Over Sub	1.00			3240.25	
Bullnose	3.00			3243.25	75.25 Anchor Tool

Total Tool Length: 95.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

Bonnewell-Carter Unit #18-1

204 W Mill St
Plainville, KS 67663

18-18S-9W Rice,KS

Job Ticket: 62627

DST#: 1

ATTN: Jason Alm

Test Start: 2017.07.17 @ 13:16:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

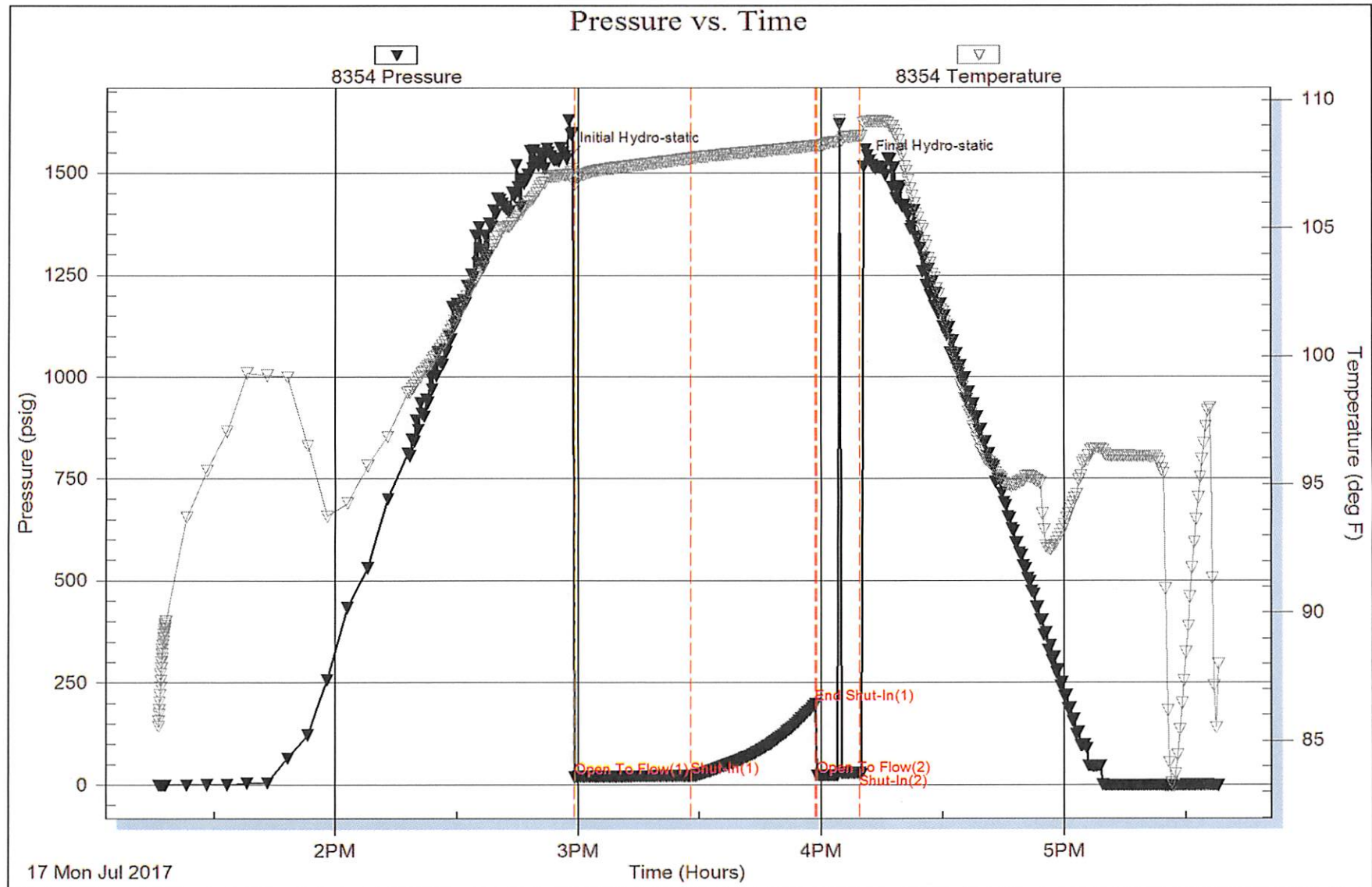
Length ft	Description	Volume bbl
5.00	Mud w /light oil spots / Mud 100%	0.025

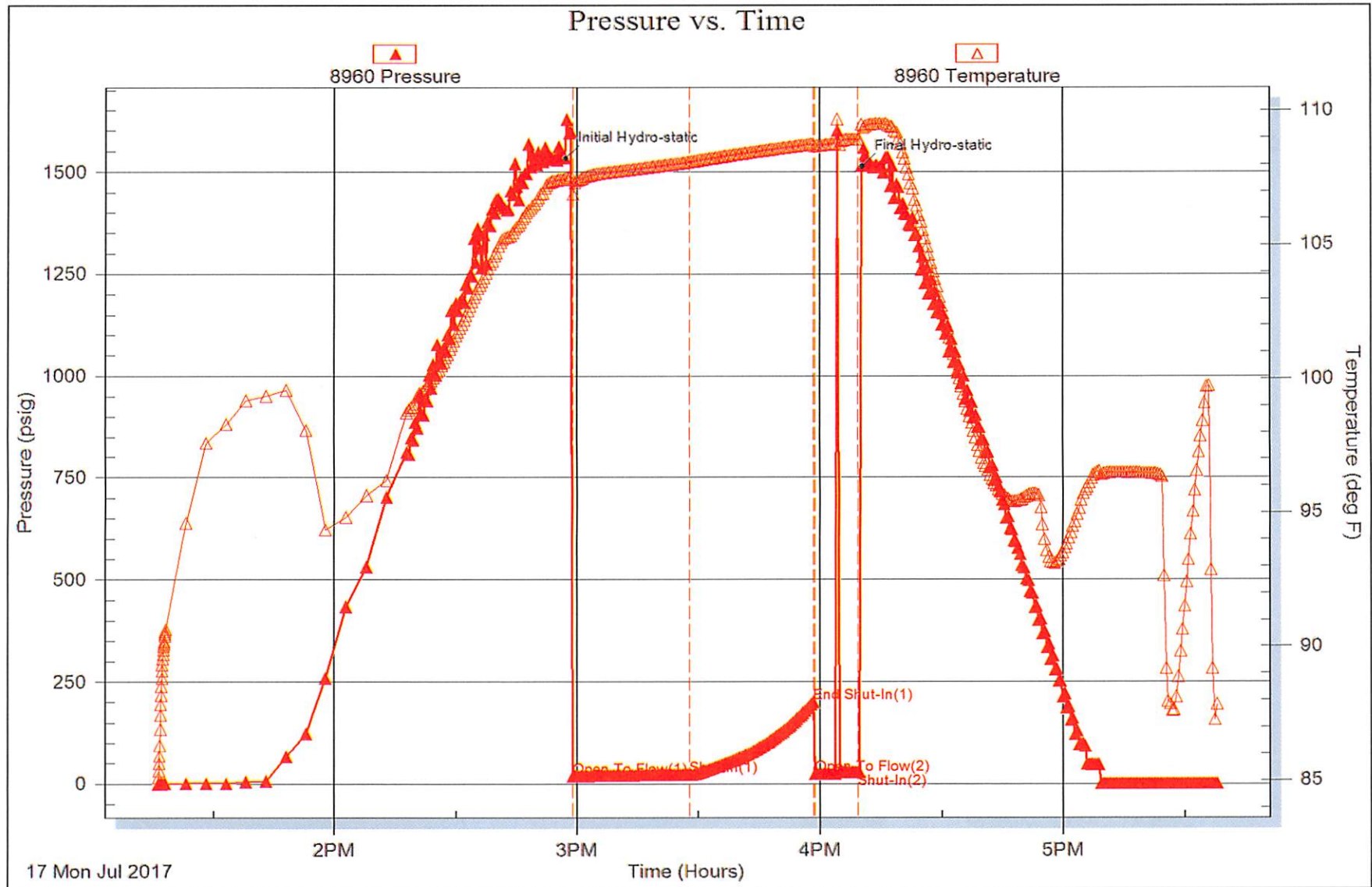
Total Length: 5.00 ft Total Volume: 0.025 bbl

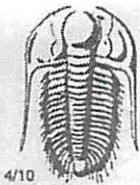
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62627

Well Name & No. Bonnewell-Carter Unit 18-1 Test No. 1 Date 17 JUL 17
 Company Stratakan Exploration LLC Elevation 1728 KB 1720 GL
 Address 204 W Mill St Plainville Kansas 67663
 Co. Rep / Geo. Jason Alm Rig WW Rig 12
 Location: Sec. 18 Twp. 18S Rge. 9W Co. Rice State KS

Interval Tested 3168-3243 Zone Tested Airbuckle
 Anchor Length 75 Drill Pipe Run 3039 Mud Wt. 9.2
 Top Packer Depth 3163 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 3168 Wt. Pipe Run - WL 9.2
 Total Depth 3243 Chlorides 7800 ppm System LCM 4#

Blow Description IF Surface blow died in 7 minutes
ISI No blowback
FF No blow/Flush tool no help/Pull test

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/light oil spots</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 Total 5 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1533 Test 1050 T-On Location 12:30 pm
 (B) First Initial Flow 18 Jars _____ T-Started 1:16 pm
 (C) First Final Flow 27 Safety Joint _____ T-Open 3:00 pm
 (D) Initial Shut-In 197 Circ Sub _____ T-Pulled 4:10 pm
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 5:38 pm
 (F) Second Final Flow 29 Mileage 60 45
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1514 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In -

Sub Total 1095

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1095
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 262
7-14-17

Date	7-13-17	Sec.	18	Twp.	18	Range	9	County	Rice	State	Ks	On Location		Finish	12:30AM
------	---------	------	----	------	----	-------	---	--------	------	-------	----	-------------	--	--------	---------

Lease	Bonneville-Carter unit		Location	Bushton gas plant, 2 1/2 S, w/Info											
Well No.	18-1		Owner												

Contractor	W W #12		Owner	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.											
Type Job	Surface		Charge To	Strataskan Exploration											

Hole Size	12 1/4"		T.D.	332'		Street										
Csg.	8 5/8"		Depth	332'		City										

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

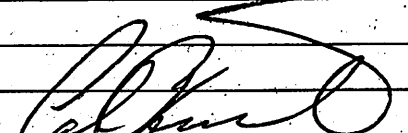
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered	170 80/20 3%CC 2% Gel									
Meas Line			Displace	20 BLS												

EQUIPMENT																
Pumptrk	16	No.	Cementer	Travis		Common	136									
			Helper			Poz. Mix	34									
Bulktrk	15	No.	Driver	David		Gel.	3									
			Driver			Calcium	7									
Bulktrk	PVI	No.	Driver	Rick												
			Driver													

JOB SERVICES & REMARKS																
Remarks:	Cement del Circulate					Hulls										
Rat Hole						Salt										
Mouse Hole						Flowseal										
Centralizers						Kol-Seal										
Baskets						Mud CLR 48										
D/V or Port Collar						CFL-117 or CD110 CAF 38										
						Sand										
						Handling	180									
						Mileage										

FLOAT EQUIPMENT																
						Guide Shoe										
						Centralizer										
						Baskets										
						AFU Inserts										
						Float Shoe										
						Latch Down										

Pumptrk Charge	Surface														
Mileage	34														

X Signature						Tax										
						Discount										
						Total Charge										

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1594

Date	7-18-17	Sec.	18	Twp.	18	Range	9	County	Rice	State	KS	On Location		Finish	11:30 AM
------	---------	------	----	------	----	-------	---	--------	------	-------	----	-------------	--	--------	----------

Location Burston 25 Winto

Lease	<u>Bonnel Carter</u>	Well No.	<u>18-1</u>	Owner	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.
Contractor	<u>WV #12</u>			Charge To	<u>Stratakan Exploration</u>
Type Job	<u>Rotary Plug</u>			Street	
Hole Size	<u>7 7/8</u>	T.D.	<u>3300</u>	City	
Csg.		Depth		State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	<u>195^{lb} / 40 4-1/2" 1/4" #10</u>
Cement Left in Csg.		Shoe Joint			
Meas Line		Displace			

EQUIPMENT

Pumptrk	<u>20</u>	No.	<u>1</u>	Cementer	<u>Greg</u>	Common	<u>117</u>
				Helper		Poz. Mix	<u>78</u>
Bulktrk		No.		Driver	<u>Brett</u>	Gel.	<u>7</u>
				Driver		Calcium	
Bulktrk	<u>19</u>	No.		Driver	<u>David</u>		
				Driver			

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole	<u>30SK</u>	Salt	
Mouse Hole		Flowseal	<u>50 #</u>
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
<u>1st</u>	<u>3228</u>	Sand	
<u>2nd</u>	<u>1200</u>	Handling	<u>202</u>
<u>3rd</u>	<u>830</u>	Mileage	
<u>4th</u>	<u>380</u>		
<u>5th</u>	<u>60'</u>		

FLOAT EQUIPMENT

		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

		Pumptrk Charge	<u>plug</u>
		Mileage	<u>34</u>

Tax	
Discount	
Total Charge	

X Signature

[Handwritten Signature]

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Geological Report

Bonnewell-Carter Unit #18-1

1834' FSL & 2746' FEL

Sec. 18 T18s R9w

Rice County, Kansas



StrataKan Exploration, LLC.

General Data

Well Data: StrataKan Exploration, LLC.
Bonnewell-Carter Unit #18-1
1834' FSL & 2746' FEL
Sec. 18 T18s R9w
Rice County, Kansas
API # 15-159-22846-0000

Drilling Contractor: WW Drilling Co. Rig #12

Geologist: Jason T Alm

Spud Date: July 12, 2017

Completion Date: July 18, 2017

Elevation: 1720' Ground Level
1728' Kelly Bushing

Directions: Bushton KS, 3 miles east on highway 4 to 8th road,
2 miles south tank batteries, west and south into
location.

Casing: 332' 8 5/8" surface casing

Samples: 10' wet and dry, 2400' to RTD

Drilling Time: 2350' to RTD

Electric Logs: Pioneer Energy Services "Justin Hendrickson"
CNL/CDL, DIL, MEL, BHCS

Drillstem Tests: One, Trilobite Testing "Ken Swinney"

Problems: None

Remarks: None

Formation Tops

Formation	StrataKan Exploration Bonnewell-Carter Unit #18-1 Sec. 18 T18s R9w 1834' FSL & 2746' FEL
Anhydrite	413' +1315
Base	427' +1301
Howard	2404' -676
Topeka	2462' -734
Heebner	2730' -1002
Toronto	2748' -1020
Douglas	2764' -1036
Brown Lime	2852' -1124
Lansing	2878' -1150
BKC	3150' -1422
Arbuckle	3228' -1500
LTD	3296' -1568
RTD	3300' -1572

Sample Zone Descriptions

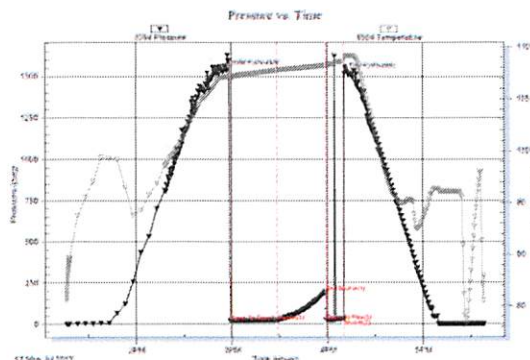
Arbuckle (3228' -1500): Covered in DST #1
 Dolo – Fine to medium rhombic crystalline with poor inter-crystalline and scattered poor vuggy porosity, few pieces with very light spotted oil stain, no show of free oil, strong sour odor, dull spotted yellow fluorescents, poor cut.

Drill Stem Tests

Trilobite Testing, Inc.
 “Ken Swinney”

DST #1 Arbuckle
 Interval (3168' – 3243') Anchor Length 75'
 IHP – 1534 #
 IFP – 30” – Died in 7 min. 18-22 #
 ISI – 30” – Dead 198 #
 FFP – 10” – Dead 22-29 #
 FHP – 1514 #
 BHT – 109°F

Recovery: 5' Mud with light oil spots



Structural Comparison

Formation	StrataKan Exploration	Bennett & Roberts	Plains Exploration	
	Bonnewell-Carter Unit #18-1	Dell #1	Habiger #1	
	Sec. 18 T18s R9w	Sec. 18 T18s R9w	Sec. 18 T18s R9w	
	1834' FSL & 2746' FEL	2310' FSL & 2310' FEL	1650' FSL & 2310' FWL	
Anhydrite	413' +1315	NA	NA	NA
Base	427' +1301	NA	NA	NA
Howard	2404' -676	NA	NA	NA
Topeka	2462' -734	NA	NA	NA
Heebner	2730' -1002	2735' -1009	NA	NA
Toronto	2748' -1020	NA	NA	NA
Douglas	2764' -1036	NA	NA	NA
Brown Lime	2852' -1124	NA	NA	NA
Lansing	2878' -1150	2886' -1160	2880' -1154	(+4)
BKC	3150' -1422	NA	NA	NA
Arbuckle	3228' -1500	3223' -1497	3208' -1482	(-18)

Summary

The location for the Bonnewell-Carter Unit #18-1 was found via 3-D seismic survey. The new well ran structurally lower than expected via the survey. One Drill Stem Test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the Bonnewell-Carter Unit #18-1 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.