

HABIGER 18-1

API # 15-159-22837-00-00

Operator: StrataKan Exploration, LLC Well Name & No: Habiger #18-1  
 Location: 1800 FNL & 2200 FEL, Section 18-18s-9w County: Rice State: Kansas  
 Rig No.: 14 Contractor: WW Drilling, LLC Tool Pusher: Noel Perez 620-271-4957  
 Drill Collars: 16 Size 6.25 x 2.25 Rig Phone: 785-259-6941  
 Make Pump: Ideco MM 550 Liner & Stroke: 6 x 15 Spud 1/25/2017 @ 4:00 PM  
 Approx. TD: 3300 Elevation: 1,732 G.L. 1743 KB Hole Complete: 1/30/2017 @ 3:30 AM  
 Mud Co.: Andy's Mud Mud Engineer: Dennis Water Hauled

Date	01/25/17	01/26/17	01/27/17	01/28/17	01/29/17	01/30/17	01/31/17			
Days	1-spud	2-WOC	3-Drlg	4-Drlg	5-Drlg	6-Log	7-Done			
Depth		355	1655	2760	3215	3330	3330			
Ft. Cut		355	1300	1105	455	115				
D.T.										
D.T.										
C.T.		5.5	2.5		7	19	18.75			
Bit Wt.	all	all	38,000	38,000	38,000	38,000				
RPM	100	100	80	80	80	80				
Pressure	450	850	1000	1000	1000	1000				
SPM	60	60	60	60	60	60				
Mud Cost				6817	6996	6996	6996			
Mud Wt.		9.4	9.4	9.1	9.1	9.2				
Viscosity		34	31	53	59	58				
Water Loss					8	8				
Chlorides					4000	4000				
L.C.M.		1#			3#	3#				
Dev. Sur		1/2°-355				1°-3240				
Dev. Sur										
Fuel	1843	1539	4455	3726	3321	3078	2780			
Water-Pit		2'	3'	3'	3'	3'				
ACC Bit Hrs.		5.75	20.75	43	57.25	61.5				
Formation	sd-sh	sd-sh	sd-	sh-lm	sh-lm	sh-lm				
Weather	clear	p/cloudy	clear	clear	clear	clear				

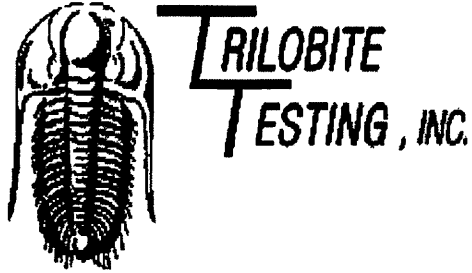
No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Sm-tooth	355	355	5.75	5.75	RR	3563	
2	7 7/8	jz-Button		2975	61.5	67.25	new	537657	
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
355	8 5/8	180	Common, 3% cc & 2% gel	1:30 AM	9:30 AM	Quality Did circ
set 3324'	76jts	130	QproC	9:45 PM	1:45 AM	
	5 1/2"			1/30/2017	1/31/2017	Quality

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3206'-3240'	45	45	45	45	352' CO 120' MCO
2						
3						
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Smith Supply: WW delivered 8 joints of 8 5/8 32# tally 340.89' set @ 355'

Remarks: Strap & weld surface by WW Nate. Anhydrite @ 423'-438'. Displaced @ 2309' (550 bbls). Short trip @ 3200' (41 stands) 3.5 hrs. Pipe strap .04 long. Logging w/Pioneer (LTD 3327') 3.75 hrs. Ran 76 joints of 5 1/2" casing plug down @ 9:45 pm 1/30/2017. Released rig @ 1:45 am 1/31/2017.



## DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration**

204 W Mill St  
Plainville, KS 67663

ATTN: Justin Prater

**Habiger #18-1**

**18-18S-9W Rice,KS**

Start Date: 2017.01.29 @ 14:36:51

End Date: 2017.01.29 @ 21:40:51

Job Ticket #: 63560                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.01.31 @ 09:27:03

StrataKan Exploration

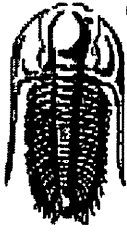
18-18S-9W Rice,KS

Habiger #18-1

DST # 1

Arbuckle

2017.01.29



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

StrataKan Exploration

18-18S-9W Rice, KS

204 W Mill St  
Plainville, KS 67663

Habiger #18-1

Job Ticket: 63560

DST#: 1

ATTN: Justin Prater

Test Start: 2017.01.29 @ 14:36:51

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 16:18:51

Time Test Ended: 21:40:51

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: **3208.00 ft (KB) To 3240.00 ft (KB) (TVD)**

Total Depth: 3240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1743.00 ft (KB)

1732.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8159

Inside

Press@RunDepth: 165.84 psig @ 3209.00 ft (KB)

Start Date: 2017.01.29

End Date:

2017.01.29

Capacity: 8000.00 psig

Last Calib.: 2017.01.29

Start Time: 14:36:52

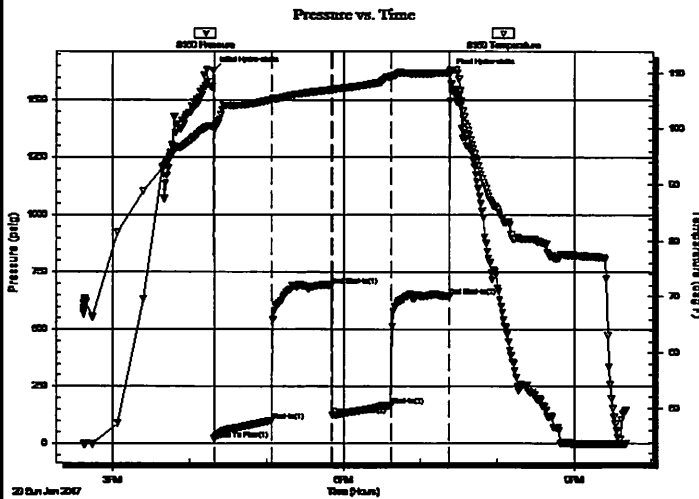
End Time:

21:40:51

Time On Btm: 2017.01.29 @ 16:18:06

Time Off Btm: 2017.01.29 @ 19:23:21

TEST COMMENT: IF: Fair Blow ,Built to 7 1/2"  
IS: No Blow Back  
FF: Fair Blow , Built to 5"  
FS: Weak Surface Blow Back



## PRESSURE SUMMARY

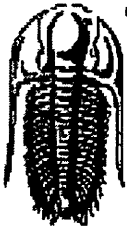
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.23	100.42	Initial Hydro-static
1	19.40	99.83	Open To Flow (1)
47	98.78	105.16	Shut-In(1)
92	693.31	106.91	End Shut-In(1)
93	122.52	106.83	Open To Flow (2)
140	165.84	109.32	Shut-In(2)
185	645.04	110.01	End Shut-In(2)
186	1619.76	110.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	90 GIP	0.00
120.00	GOCM 10%G 10%O 90%M	0.61
352.00	GCO 10%G 90%O	4.94

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

StrataKan Exploration

18-18S-9W Rice, KS

204 W Mill St  
Plainville, KS 67663

Habiger #18-1

Job Ticket: 63560

DST#: 1

ATTN: Justin Prater

Test Start: 2017.01.29 @ 14:36:51

### GENERAL INFORMATION:

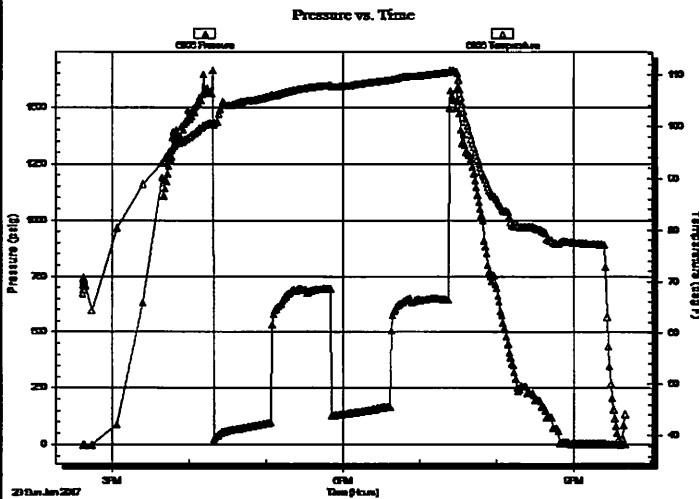
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 16:18:51 Tester: Leal Cason  
 Time Test Ended: 21:40:51 Unit No: 74  
 Interval: **3208.00 ft (KB) To 3240.00 ft (KB) (TVD)** Reference Elevations: 1743.00 ft (KB)  
 Total Depth: 3240.00 ft (KB) (TVD) 1732.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 6806

Outside

Press@RunDepth: psig @ 3209.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.01.29 End Date: 2017.01.29 Last Calib.: 2017.01.29  
 Start Time: 14:36:52 End Time: 21:40:36 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: Fair Blow ,Built to 7 1/2"  
 IS: No Blow Back  
 FF: Fair Blow , Built to 5"  
 FS: Weak Surface Blow Back



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	90 GIP	0.00
120.00	GOCM 10%G 10%O 90%M	0.61
352.00	GCO 10%G 90%O	4.94

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

StrataKan Exploration

**18-18S-9W Rice,KS**

204 W Mill St  
Plainville, KS 67663

**Habiger #18-1**

Job Ticket: 63560

**DST#: 1**

ATTN: Justin Prater

Test Start: 2017.01.29 @ 14:36:51

### Tool Information

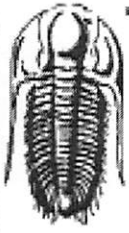
Drill Pipe:	Length: 3079.00 ft	Diameter: 3.80 inches	Volume: 43.19 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 43.77 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3208.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	58.00 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			3187.00	
Hydraulic tool	5.00			3192.00	
Jars	5.00			3197.00	
Safety Joint	2.00			3199.00	
Packer	5.00			3204.00	26.00 Bottom Of Top Packer
Packer	4.00			3208.00	
Stubb	1.00			3209.00	
Recorder	0.00	8159	Inside	3209.00	
Recorder	0.00	6806	Outside	3209.00	
Perforations	28.00			3237.00	
Bullnose	3.00			3240.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 58.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

StrataKan Exploration

**18-18S-9W Rice, KS**

204 W Mill St  
Plainville, KS 67663

**Habiger #18-1**

Job Ticket: 63560

**DST#: 1**

ATTN: Justin Prater

Test Start: 2017.01.29 @ 14:36:51

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	50 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	90 GIP	0.000
120.00	GOCM 10%G 10%O 90%M	0.608
352.00	GCO 10%G 90%O	4.938

Total Length: 472.00 ft      Total Volume: 5.546 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity w as 48.8 @ 48 degrees

Serial #: 8159

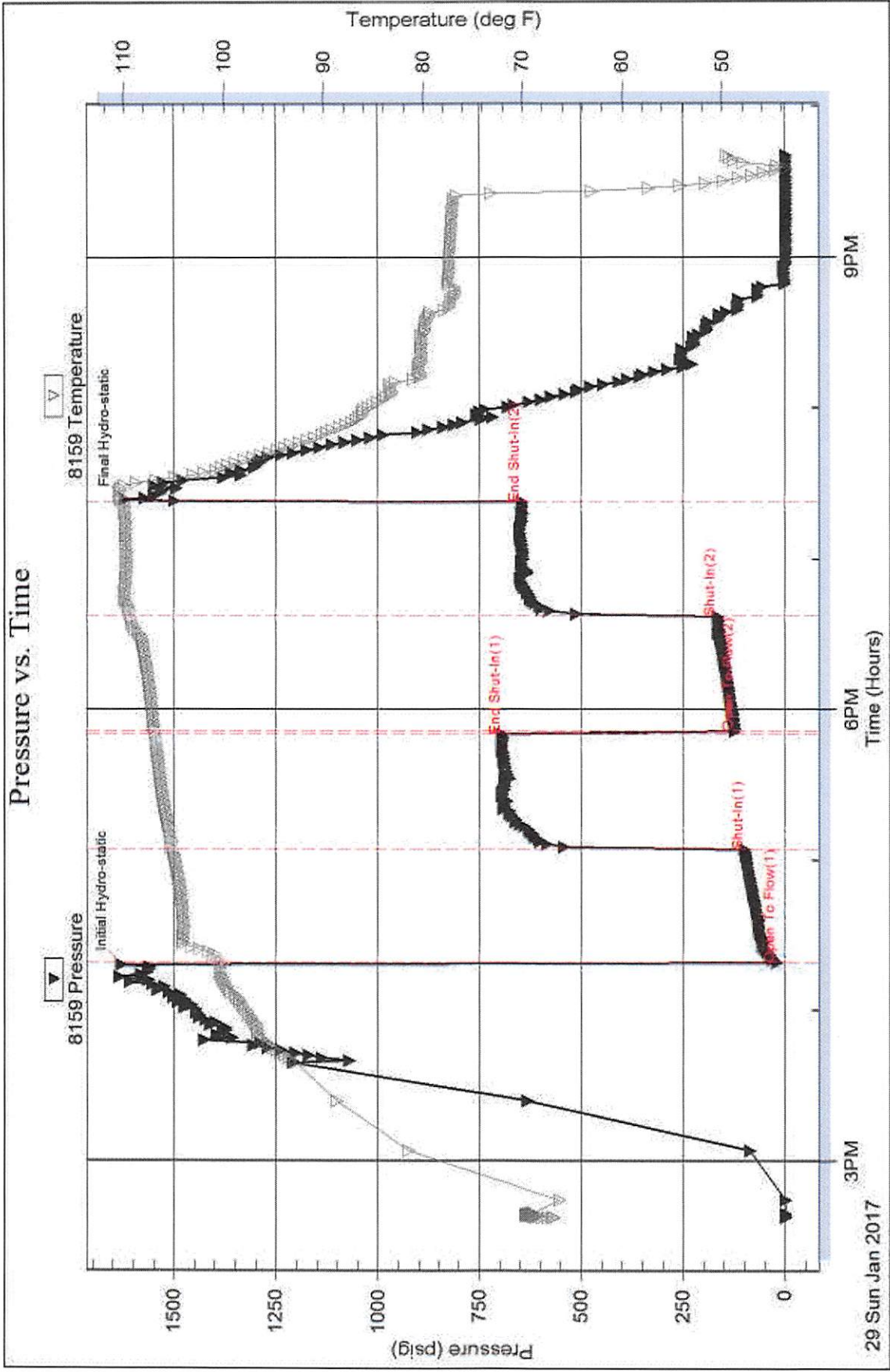
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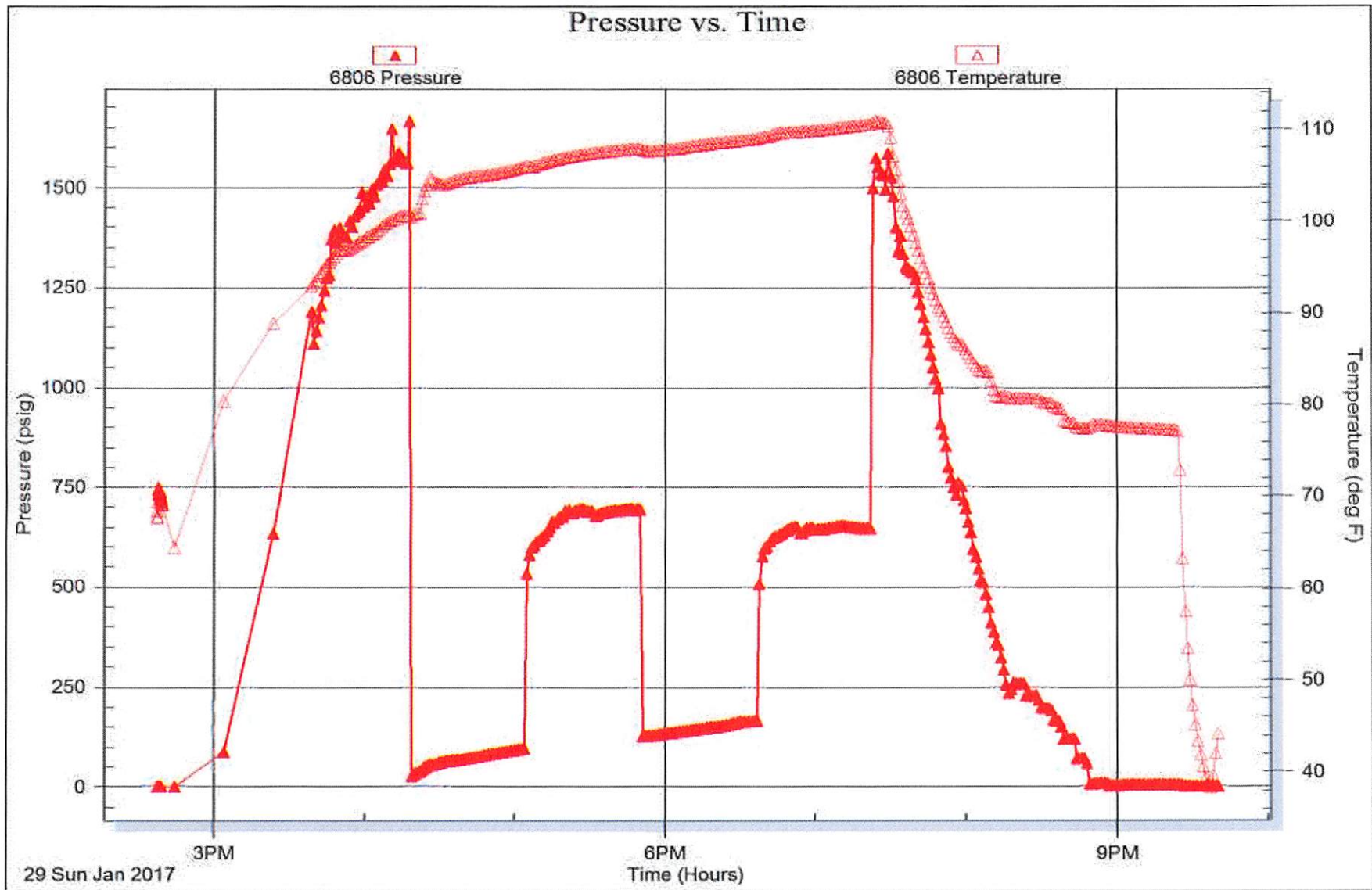
StrataKan Exploration

Habiger #18-1

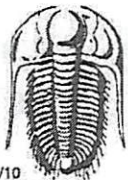
DST Test Number: 1

### Pressure vs. Time









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **63560**

4/10

Well Name & No. Habiger 19-1 Test No. 1 Date 01/29/17  
 Company Strata Kan Exploration Elevation 1743 KB 1732 GL  
 Address 204 W Mill St Plainville 67663  
 Co. Rep / Geo. Justin Prater Rig WW 14  
 Location: Sec. 18 Twp. 18S Rge. 9W Co. Rice State KS

Interval Tested 3208 - 3240 Zone Tested Arbuckle  
 Anchor Length 32 Drill Pipe Run 3079 Mud Wt. 9.3  
 Top Packer Depth 3203 Drill Collars Run 118 Vis 55  
 Bottom Packer Depth 3208 Wt. Pipe Run 0 WL 7.6  
 Total Depth 3240 Chlorides 3000 ppm System LCM 2.5

Blow Description IF: Fair Blow, Built to 7 1/2 inches  
IST: NO BLOW BACK  
FF: Fair Blow, Built to 5 inches  
FSI: weak surface Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>GIP</u>				
<u>352</u>	<u>GCO</u>	<u>10</u>	<u>90</u>		
<u>120</u>	<u>GOCM</u>	<u>10</u>	<u>10</u>		<u>80</u>
Rec Total	<u>472</u>	BHT	<u>110</u>	Gravity	<u>50</u>

API RW NK@ NK F Chlorides NK ppm

(A) Initial Hydrostatic 1628  Test 1050 T-On Location 13:45  
 (B) First Initial Flow 19  Jars 250 T-Started 14:36  
 (C) First Final Flow 99  Safety Joint 75 T-Open 16:18  
 (D) Initial Shut-In 693  Circ Sub T-Pulled 19:22  
 (E) Second Initial Flow 122  Hourly Standby T-Out 21:40  
 (F) Second Final Flow 166  Mileage 150 112.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 654  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1620  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1487.50  
 Final Flow \_\_\_\_\_  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_ Sub Total 1487.50

Approved By [Signature] 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.

**STRATAKAN EXPLORATION, LLC**

**Habiger #18-1**

**1800' FNL & 2200' FEL Sec 18-18S-9W**

**Rice Co., Kansas**

**1732' GL**

**1743' KB**

**Completion Report - Run production csg**

01-31-17      7:00 am – Wait on completion rig, Cut 3330' of 7-7/8" hole. RU Pioneer Energy Svc, ran Dual Compensated Porosity, Dual Induction, Sonic & Microresisitvity Logs, LTD – 3327'. TIH w/ bit, CTCH, LDDP & ND. Ran 76 jts of New Hyundai 5 1/2" 8rd 15.5# J-55 R-3 LTC csg. Tallied 3327.39', set @ 3324', 3' off bottom. Shoe jt 38.75' w/ latch down @ 3284'. Ran turobilizer/centrilizers @ 3285', 3271', 3226', 3092', 3047' & 2958'. RU Quality Oilwell Cementing & cemented w/ 12 bbl mud flush, 20 bbl 2% KCL followed w/ 130 sx Q PRO C cement. Had good circulation throughout. Landed plug @ 9:45 pm 1/30/17 w/ 1500# - latch down held. Plug rat hole w/ 30 sx cement & mouse hole w/ 20 sx cement. Set slips & release rig @ 11:45 pm 1/30/17. Equipment left on location, 1 jt csg = 38.66' threads off.

**STRATAKAN EXPLORATION, LLC**  
 Habiger #18-1  
 1800' FNL & 2200' FEL Sec 18-18S-9W  
 Rice Co., Kansas

1732' GL  
 1743' KB

Report: Complete in Arb

02-03-17 MIRU DS&W Well Svc DD. RIH w/ sandpump, CO to PBD @ 3285'. RU Pioneer Energy Svc, ran CBL w/ excellent cement bond throughout. PBD 3285' & TOC @ 2085'. Swab csg down to 2200', 1000' FIH, perf Arb 3238-44'(6') w/ 4" Expendable gun 4 spf. Let set 30 min, RIH w/ swab, FL @ 1700', 500' fluid entry, made 150' pull(3 bbl) pulling from 1850' w/ show of oil. Swab test as follows:

Time	bbl	cum	%	comments
1 <sup>st</sup> hr	10.40	10.40	18	FL 1550', 2-150' pulls
2 <sup>nd</sup> hr	8.40	18.80	35	FL 1350', 2-150' pulls
3 <sup>rd</sup> hr	10.10	28.90	25	FL 1300', 2-150' pulls
4 <sup>th</sup> hr	10.40	39.30	18	FL 1300', 2-150' pulls
5 <sup>th</sup> hr	10.40	49.70	22	FL 1300', 2-150' pulls

SDFN & Weekend

DS&W	\$ 2000.00	
Smith Supply	\$ 9650.00	
Honas	\$ 850.00	
Scheck	\$ 1200.00	
Liebel Weld	\$ 350.00	
Pioneer	\$ 3150.00	
Popp	\$ 600.00	
Total	\$17800.00	Cum \$17800.00

02-06-17 FL @ 500', 2730' FIH w/ 200' oil(7%). TIH w/ Tool Tech pkr & tbg. Set pkr @ 3224', swab test as follows:

1 <sup>st</sup> hr	11.00	60.70	wtr	FL 1050', 4-500' pulls
2 <sup>nd</sup> hr	24.30	85.00	18	FL 2100', 4-1000' pulls
3 <sup>rd</sup> hr	22.00	107.00	18	FL 2300', 4-1000' pulls
4 <sup>th</sup> hr	19.70	126.70	18	FL 2400', 4-1000' pulls
5 <sup>th</sup> hr	19.10	145.80	18	FL 2350', 4-1000' pulls
6 <sup>th</sup> hr	21.40	167.20	18	FL 2400', 4-1000' pulls

SDFN

Habiger #18-1

DS&W	\$ 2090.00	
Tool Tech	\$ 1350.00	
Brackeen	\$ 170.00	
Popp	\$ 600.00	
Total	\$ 4210.00	Cum \$22010.00

02-07-17 FL @ 500', 2730' FIH w/ 500' oil(18%). TOH w/ tbg & pkr. RU Pioneer Energy Svc, perf Arb 3229-30'(1') w/ 4" Expendable gun 4 spf. TIH w/ plug, pkr & tbg, set plug @ 3235' & pkr @ 3198' then swab test natural Arb 3229-30'. Swabbed fluid down to SN, let set 30 min w/ no fluid entry. RU RPM Svc, acidize Arb 3229-30' w/ 200 gal 15% MCA, max press - 700#, min - 50#, avg treat - staging, avg treat - staging. With 1.50 bbl acid out in formation, release pkr then balance the rest of the acid on bottom to let it soak out in the formation overnight. SDFN

DS&W	\$ 2290.00	
Pioneer	\$ 1500.00	
RPM	\$ 1430.00	
Tool Tech	\$ 1400.00	
Popp	\$ 600.00	
Total	\$ 7220.00	Cum \$29230.00

02-08-17 FL @ surface, acid didn't go out in the formation. Pulled pkr up to 2974' & set, RU RPM Svc & start pressuring up & staging on acid left in csg. After 2.5 hrs, had pressure up to 1200" w/ pressure drop. Let set 15 min w/ pressure down to 0#. Pressure back to 1200# then let set 15 min w/ pressure down to 0#. Let water gravity out of tank & loaded w/ 5 bbl out, acid displaced. Release pkr, move back down & set @ 3198'. Toal load - 26 bbl, FL @ 300', made 1" pull recovering 6 bbl, swab test as follows:

1 <sup>st</sup> hr	14.80	20.80	GS	FL 1300', 4-500' pulls, good acid kick
2 <sup>nd</sup> hr	14.50	35.30	11	FL 900', 4-500' pulls, gas on each pull
3 <sup>rd</sup> hr	20.50	55.80	11	FL 1150', 4-1000' pulls, " " "
4 <sup>th</sup> hr	22.60	78.40	16	FL 1300', 4-1000' pulls, " " "

SDFN

DS&W	\$ 2090.00	
RPM	\$ 570.00	
Tool Tech	\$ 375.00	
Brackeen	\$ 170.00	
Popp	\$ 600.00	
Total	\$ 3805.00	Cum \$33035.00

02-09-17 FL @ 550', 2680' FIH w/ 250' oil(9%). Release tools, set plug @ 3260' & pkr @ 3198' to swab test both Arbuckle zones 3238-44' & 3229-30' as follows w/ FL @ 500':

1 <sup>st</sup> hr	22.60	22.60	SH	FL 950', 4-1000' pulls
2 <sup>nd</sup> hr	24.90	47.50	13	FL 1200', 4-1000' pulls
3 <sup>rd</sup> hr	24.60	72.10	13	FL 1350', 4-1000' pulls
4 <sup>th</sup> hr	24.30	96.40	13	FL 1350', 4-1000' pulls
5 <sup>th</sup> hr	24.60	121.00	14	FL 1350', 4-1000' pulls
6 <sup>th</sup> hr	25.10	146.10	13	FL 1350', 4-1000' pulls
7 <sup>th</sup> hr	23.40	169.50	13	FL 1350', 4-1000' pulls
8 <sup>th</sup> hr	24.30	193.80	14	FL 1350', 4-1000' pulls

SDFN

DS&W	\$ 2090.00	
Tool Tech	\$ 375.00	
Brackeen	\$ 340.00	
Popp	\$ 600.00	
Total	\$ 3405.00	Cum \$36440.00

02-10-17 FL @ 550', 2650' FIH w/ 350' oil(13%). TOH w/ tbg & tools, TIH w/ tbg as follows:

			Set @
2-7/8" 8rd EUE TP MA	1jt	14.95'	3274.08'
2-7/8" 8rd EUE tbg	19jts	598.87'	3259.13'
2 1/2"x 2 3/4"x 16'x 19' bbl	2jts	20.90'	2660.26'
2-7/8" 8rd eue tbg	1jt	31.15'	2639.36'
5 1/2"x 2-7/8" anchor catcher	1jt	3.00'	2608.21'
2-7/8" 8rd EUE tbg	82jts	2578.21'	2605.21'
2-7/8" 8rd EUE tbg subs	3jts	18.00'	27.00'
Below KB		9.00'	

Landed tbg 13' off bottom w/ 14" stretch on anchor catcher. Put 5 gal bactericide via tbg then swab fluid from tbg down csg swabbing 30 bbls. Put 3 gal corrosion inhibitor via tbg then swab fluid from tbg down csg swabbing 30 bbl. Put 2 gal via tbg then TIH w/ rods as follows:

- 2 3/4" on/off tool
- 5 - 1 1/2"x 25' sinker bar
- 40 - 3/4"x 25' sucker rods
- 60 - 7/8"x 25' sucker rods
- 7/8"x 4' pony rods
- 1 1/4"x 22' PR w/ 10' PRL

Habiger #18-1

Longstroke well w/ well pumping up. RDMO DD.

DS&W	\$ 2190.00	
Brackeen	\$ 340.00	
Tool Tech	\$ 375.00	
Wildcat	\$14750.00	
Popp	\$ 600.00	
Total	\$18255.00	Cum \$54695.00

# 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. 3131

Date	1-30-17	Sec.	18	Twp.	18	Range	9	County	Rice	State	Ks	On Location		Finish		
Lease	Habiger							Well No.	18-1		Owner	W/Into				
Contractor	W W #14							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	Longstring							Charge To								
Hole Size	7 7/8"							T.D.	3330'		Strata Kan Exploration					
Csg.	5 1/2" 15.50#							Depth	3327.39'		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.	38.75'							Shoe Joint	38.75'		Cement Amount Ordered 180 @ Pro-C 10% Salt 5%					
Meas Line								Displace	78 1/4 BLS		Gilsonite - 500 gal mud Clear 48					
<b>EQUIPMENT</b>												Common 180				
Pumptrk	18	No.		Cementer	Nick		Poz. Mix									
Bulktrk	9	No.		Driver	Jason		Gel.									
Bulktrk	p.u.	No.		Driver	Rick		Calcium									
<b>JOB SERVICES &amp; REMARKS</b>												100 BLS KCL 10 gal				
Remarks:													Salt 13			
Rat Hole	30 SX							Flowseal								
Mouse Hole	20 SX							Kol-Seal 750 #								
Centralizers	1, 2, 3, 6, 7, 9							Mud CLR 48 500 gal								
Baskets	pipe on bottom break Circulation							CFL-117 or CD110 CAF 38								
D/V or Port Collar	pump 500 gal Mud Clear 48							Sand								
	pump 20 BLS KCL, plug Rathole							Handling 200								
	w/ 30 SX plug mousehole w/ 20 SX							Mileage								
	Cement 5 1/2" Casing w/ 130 SX shut							<b>FLOAT EQUIPMENT</b>								
	down wash pump + lines Displaced							Guide Shoe								
	plug w/ 78 1/4 BLS of H2O.							Centralizer 6								
	Released + held							Baskets								
	Lift pressure 600 #							AFU Inserts								
	Land plug to 1500 #							Float Shoe 1								
								Latch Down 1								
								Pumptrk Charge Prod string								
								Mileage 38								
X Signature Noel Perez												Tax				
												Discount				
												Total Charge				

**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.



# 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. 3124

Date	1-26-17	Sec.	18	Twp.	18	Range	9	County	Rice	State	KS	On Location		Finish	1:30 AM
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Location Clafflin - E to 8th Rd, 1 3/4 S

Lease Habiger Well No. 18-1 Owner W/I into on south side of tree row

Contractor Ww 14 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 Stratagan Exploration

Hole Size 12 1/4" T.D. 355' Csg. 8 5/8" Depth 355' 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. 15' Shoe Joint 15' Cement Amount Ordered 180 80/20 3 1/2 cc 2 1/2 bel

Meas Line \_\_\_\_\_ Displace 21 1/2 BCS

**EQUIPMENT**

Pumptrk <u>18</u> No.	Cementer	Common	<u>145</u>
	Helper <u>Dave</u>	Poz. Mix	<u>35</u>
Bulktrk <u>15</u> No.	Driver <u>Jason</u>	Gel.	<u>3</u>
	Driver <u>Rick</u>	Calcium	<u>7</u>

**JOB SERVICES & REMARKS**

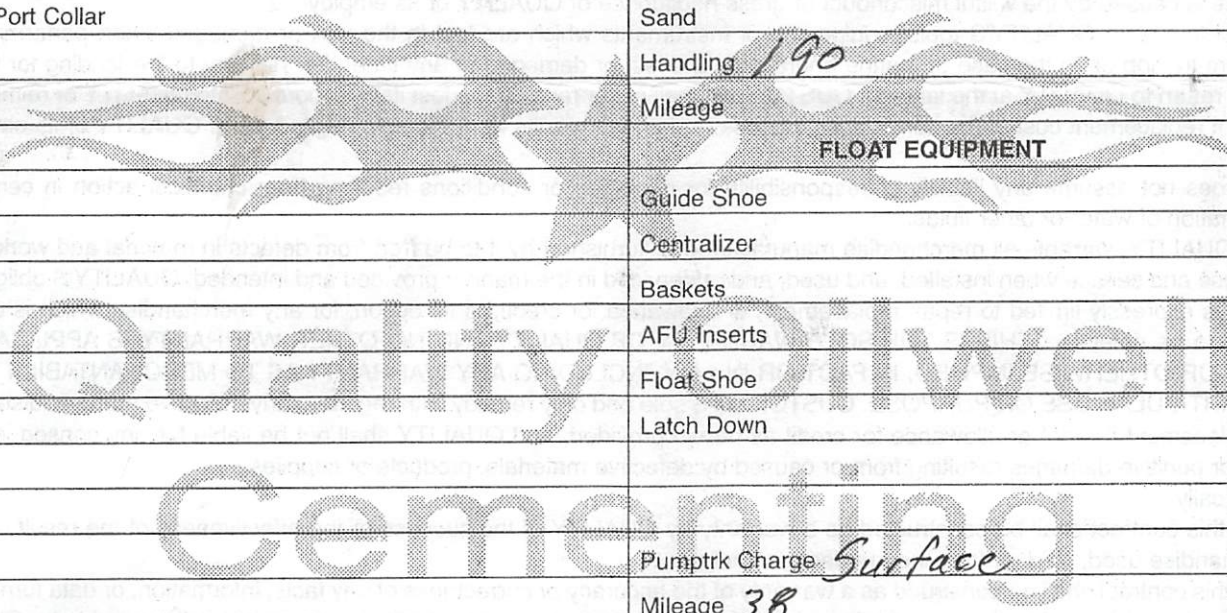
Remarks: <u>Cement did Circulate</u>	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling <u>190</u>
	Mileage

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge Surface  
Mileage 38

X Signature Noel Perez Tax \_\_\_\_\_  
Discount \_\_\_\_\_  
Total Charge \_\_\_\_\_



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(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.

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