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 # 34975
Name: StrataKan Exploration, LLC
Address 1: 100 S MAIN
Address 2:
City: PLAINVILLE State: KS Zip: 67663 + _ _ _ _
Contact Person: Justin R. Prater
Phone: (785) 688-4241
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Justin R. Prater
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 #:

4/25/2017	4/30/2017	5/25/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-159-22842-00-00
Spot Description:
__ - SE - SE - NE Sec. 18 Twp. 18 S. R. 9 ☐ East ☑ West
2310 Feet from ☑ North / ☐ South Line of Section
330 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: Rice
Lease Name: HABIGER Well #: 18-2
Field Name:
Producing Formation: N/A
Elevation: Ground: 1736 Kelly Bushing: 1747
Total Vertical Depth: 3413 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 449 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: 1800 ppm Fluid volume: 3000 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: 08/11/2017
☑ **Confidential Release Date:** 08/11/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 08/17/2017

Page Two

Operator Name: StrataKan Exploration, LLC Lease Name: HABIGER Well #: 18-2

Sec. 18 Twp. 18 S. R. 9 ☐ East ☑ West County: Rice

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 ☑ Yes ☐ No
(Attach Additional Sheets)

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:
Attached

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

Name	Top	Datum
Arbuckle	3241	-1494

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	32	449	80/20	200	3%CC 2%Gel
Production	7.875	5.5	15.5	3337	QPro Common	130	10%Salt5%Gilsonite

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	3242-3250	Common	100	1%CC
	-			

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

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	StrataKan Exploration, LLC
Well Name	HABIGER 18-2
Doc ID	1363001

All Electric Logs Run

MEL
DIL
DUCP
BHCS

Form	ACO1 - Well Completion
Operator	StrataKan Exploration, LLC
Well Name	HABIGER 18-2
Doc ID	1363001

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	32	449	80/20	200	3%CC 2%Gel
Production	7.875	5.5	15.5	3337	QPro Common	130	10%Salt5 %Gilsonite

HABIGER 18-2

API # 15-159-22842-00-00
Operator: Stratakan
Well Name & No: Habiger 18-2
Location: 2310 FNL & 330 FEL Section 18-18s-9w
County: Rice
State: Kansas
Rig No.: 14
Contractor: WW Drilling, LLC
Tool Pusher: Josh Shaw 978-839-0425
Drill Collars: 18
Size 6.26 x 2.25
Rig Phone: 785-259-6941
Make Pump: Emsco 500
Liner & Stroke: 6x15
Spud 2/25/17 @ 2:15 PM
Approx. TD: 3500
Elevation: 1,736 G.L. 1747 KB
Hole Complete:
Mud Co.: Andys
Mud Engineer: Dennis
Water

Date	02/25/17	02/26/17	02/27/17	02/28/17	04/29/17	04/30/17				
Days	1-spud	2-woc	3-Drlg	4-Drlg	5-TIHw/bit	6-Done				
Depth		449	2030'	3050	3262	3340				
Ft. Cut		449	1581'	1020	212	78				
D.T.			21	23.25						
D.T.			0	NA						
C.T.		5.5 woc	2.5 woc	NA	16.25	22.25	3.25			
Bit Wt.	all	20,000	35,000	38,000	38,000	38,000				
RPM	100	120	85	85	85	85				
Pressure	450	600	1000	1000	1100	1100				
SPM	60	60	60	60	60	60				
Mud Cost			NA	6583	8967	10,243				
Mud Wt.		9.6	9.4	9.4	9.5	9.6				
Viscosity		34	30	52	54	48				
Water Loss			NA	7.2	7.2	8.8				
Chlorides			NA	1800	5000	6000				
L.C.M.		1#	NA	2 #	2#	2#				
Dev. Sur		.25°-449	NA	NA	2.5°-3262					
Dev. Sur			NA	NA						
Fuel		3645	3078	2511	1944	1539				
Water-Pit		4'	3/4 Full	Full	3'	2'				
ACC Bit Hrs.			21	44.25	51.75	53.5				
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm				
Weather	Cloudy	Cloudy	Cloudy	Cloudy	Rain	Rain				

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Sm-tooth	449	449	8.75	8.75	RR	8002	
2	7 7/8	V-HE21PV	3340	2891	53.5	62.25	New	1474414	
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
449	8 5/8	200	Common, 3% cc & 2% gel	1:30 AM	9:30 AM	Quality-Did circulate
86 jts						
3337	5 1/2"	130	QproC	6:15 AM	10:15 AM	Quality

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3230'-3262'	45	30	45	30	70' GIP 140' CO 155' OM
2						
3						
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Smith Supply: tallied @ 435 set @ 449

Remarks: Strap & weld surface by WW Drilling(Nathaniel).Anhydrite 413'-431'. Displaced @ 413'-431',(500bbls) Short trip @ 3205' (41 stands) 2 hrs. Pioneer logged (LTD 3340) 4.5 hrs. Ran 86 joints of 5 1/2" casing set @ 3337' cemented with 130 sx of QproC by Quality cementing. Plug down @ 6:15 am, Released rig @ 10.15 am 4/30/2017.

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St
Plainville, KS 67663

ATTN: Justin Prater

Habiger #18-2

18-18S-9W Rice,KS

Start Date: 2017.04.29 @ 01:06:00
End Date: 2017.04.29 @ 07:00:30
Job Ticket #: 64777 DST #: 1

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

Printed: 2017.05.01 @ 13:24:05

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Stratakan Exploration LLC

204 W Mill St
Plainville, KS 67663

ATTN: Justin Prater

18-18S-9W Rice,KS

Habiger #18-2

Job Ticket: 64777 **DST#: 1**

Test Start: 2017.04.29 @ 01:06:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:45:00
Time Test Ended: 07:00:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

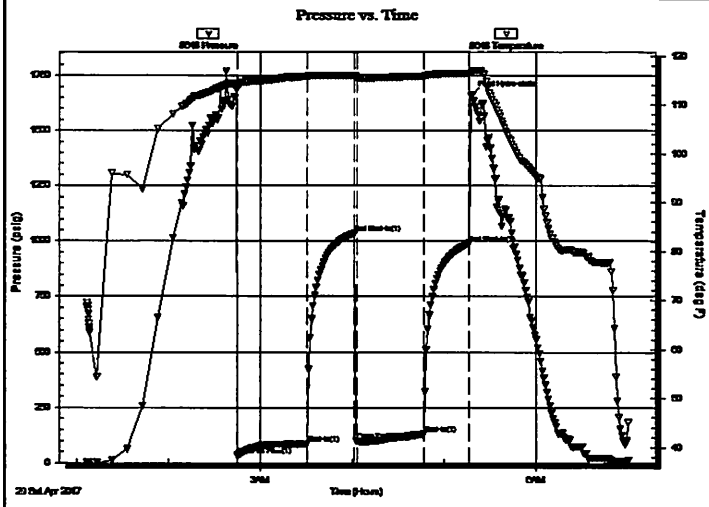
Interval: 3230.00 ft (KB) To 3262.00 ft (KB) (TVD)
Total Depth: 3262.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1747.00 ft (KB)
1736.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8648 **Inside**

Press@RunDepth:	129.42 psig @	3258.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.04.29	End Date:	2017.04.29	Last Calib.:	2017.04.29
Start Time:	01:06:05	End Time:	07:00:29	Time On Btm:	2017.04.29 @ 02:44:30
				Time Off Btm:	2017.04.29 @ 05:18:30

TEST COMMENT: IFP 45 Minutes Blow built to BOB in 37 minutes
ISI 30 Mintutes 1/2" blow back
FFP 45 Minutes Blow built to BOB in 29 minutes
FSI 30 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.04	114.43	Initial Hydro-static
1	34.38	114.06	Open To Flow (1)
46	87.43	115.76	Shut-In(1)
77	1036.30	115.97	End Shut-In(1)
79	99.54	115.59	Open To Flow (2)
123	129.42	115.85	Shut-In(2)
152	990.67	116.41	End Shut-In(2)
154	1664.06	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	OCM Oil 30% Mud 70%	1.10
140.00	CGO Gas 20% Oil 80%	1.96
0.00	77' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Stratakan Exploration LLC
204 W Mill St
Plainville, KS 67663

ATTN: Justin Prater

18-18S-9W Rice,KS

Habiger #18-2

Job Ticket: 64777 **DST#: 1**

Test Start: 2017.04.29 @ 01:06:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:45:00
Time Test Ended: 07:00:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72

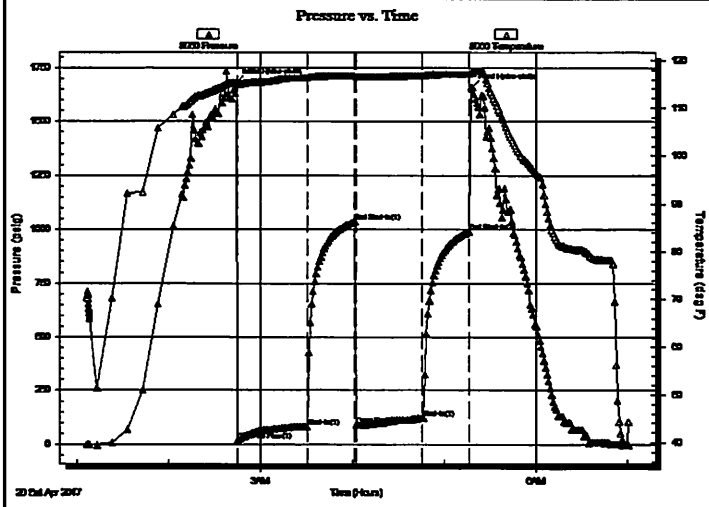
Interval: 3230.00 ft (KB) To 3262.00 ft (KB) (TVD)
Total Depth: 3262.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1747.00 ft (KB)
1736.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8960 **Outside**

Press@RunDepth:	990.54 psig @	3259.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2017.04.29	End Date:	2017.04.29	Last Calib.:	2017.04.29
Start Time:	01:06:05	End Time:	07:00:29	Time On Btm:	2017.04.29 @ 02:44:30
				Time Off Btm:	2017.04.29 @ 05:18:30

TEST COMMENT: IFP 45 Minutes Blow built to BOB in 37 minutes
ISI 30 Mintutes 1/2" blow back
FFP 45 Minutes Blow built to BOB in 29 minutes
FSI 30 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.05	115.28	Initial Hydro-static
1	18.90	114.86	Open To Flow (1)
46	81.83	116.31	Shut-In(1)
77	1036.36	116.78	End Shut-In(1)
78	89.81	116.49	Open To Flow (2)
121	120.85	116.73	Shut-In(2)
152	990.54	117.18	End Shut-In(2)
154	1660.46	117.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	OCM Oil 30% Mud 70%	1.10
140.00	CGO Gas 20% Oil 80%	1.96
0.00	77' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC.

Stratakan Exploration LLC

204 W Mill St
Plainville, KS 67663

ATTN: Justin Prater

18-18S-9W Rice,KS

Habiger #18-2

Job Ticket: 64777 **DST#: 1**

Test Start: 2017.04.29 @ 01:06:00

Tool Information

Drill Pipe:	Length:	3114.00 ft	Diameter:	3.80 inches	Volume:	43.68 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:	118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	44.26 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		22.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3230.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		32.00 ft							
Tool Length:		52.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments: Ruined Packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3215.00		
Hydraulic tool	5.00			3220.00		
Top Packer	5.00			3225.00		
Packer	5.00			3230.00	20.00	Bottom Of Top Packer
Anchor	27.00			3257.00		
Recorder	1.00	8648	Inside	3258.00		
Recorder	1.00	8960	Outside	3259.00		
Bullnose	3.00			3262.00	32.00	Anchor Tool
Total Tool Length:	**52.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

Stratakan Exploration LLC

204 W Mill St
Plainville, KS 67663

ATTN: Justin Prater

18-18S-9W Rice,KS

Habiger #18-2

Job Ticket: 64777 **DST#: 1**

Test Start: 2017.04.29 @ 01:06:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	43 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	OCM Oil 30% Mud 70%	1.099
140.00	CGO Gas 20% Oil 80%	1.964
0.00	77' GIP	0.000

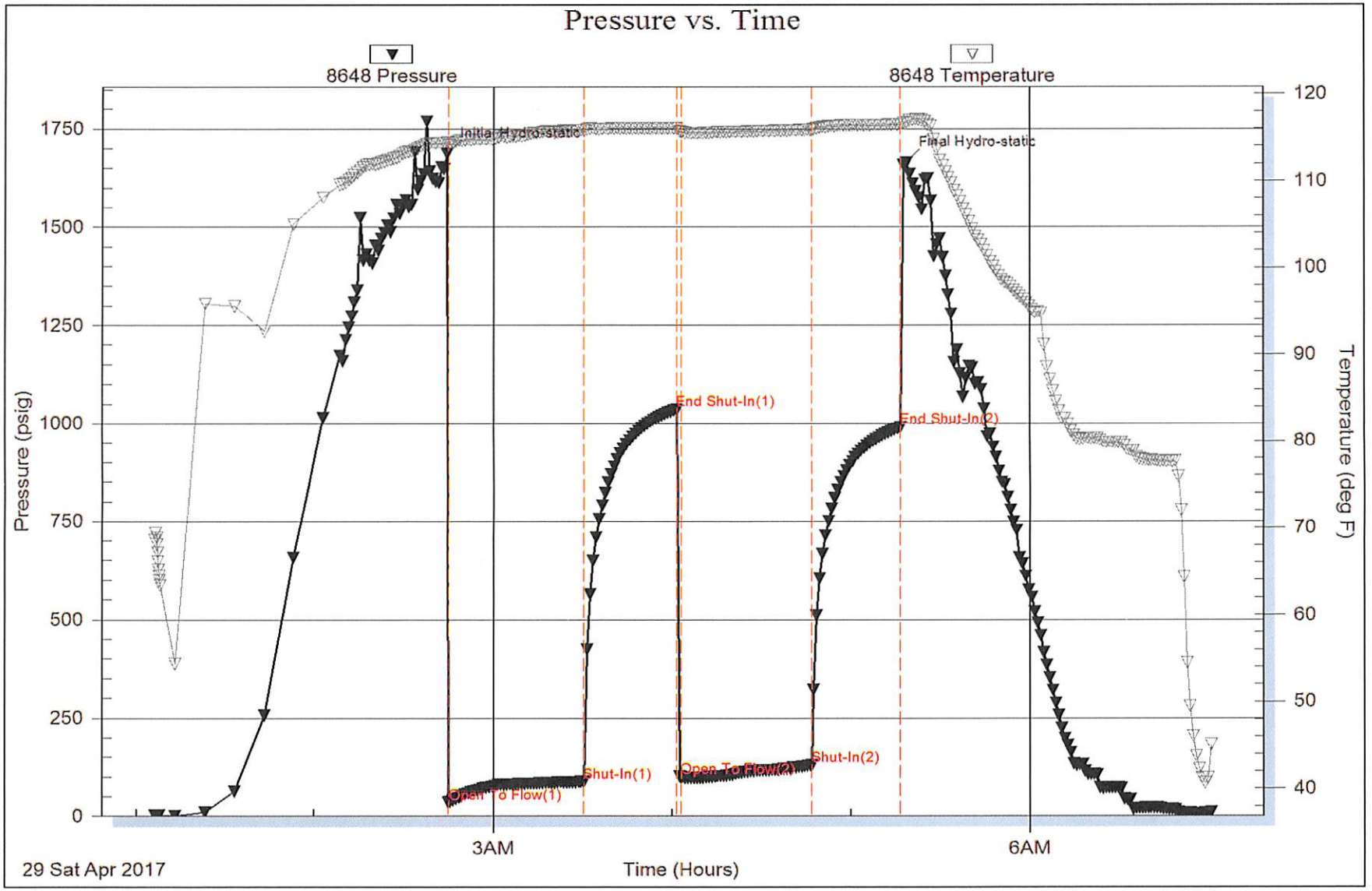
Total Length: 295.00 ft Total Volume: 3.063 bbl

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

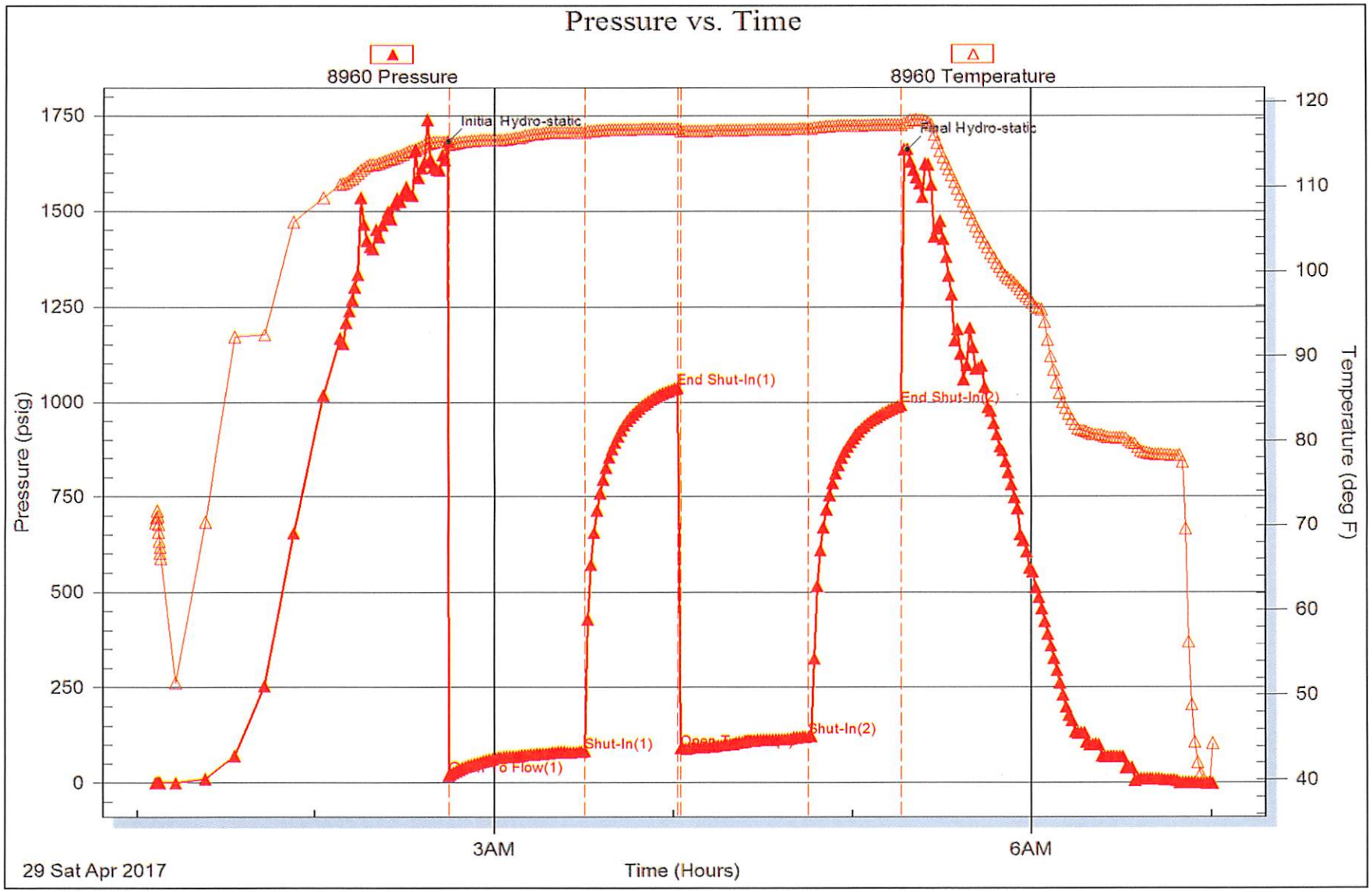
Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8648 Inside Stratakan Exploration LLC Habiger #18-2 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 64777 Printed: 2017.05.01 @ 13:24:06


Pressure vs. Time
8960 Pressure
8960 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
3AM
6AM
Time (Hours)
29 Sat Apr 2017

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601
4/10

Test Ticket

NO. 64777

Well Name & No. Habiger 18-2 Test No. 1 Date 29 APR 17
Company Stratakan Exploration LLC Elevation 1747 KB 1736 GL
Address 204 W Mill St Plainville KS 67663
Co. Rep / Geo. Justin Prater Rig WW 14
Location: Sec. 18 Twp. 18S Rge. 9W Co. Rice State KS

Interval Tested 3230-3262 Zone Tested Arbuckle
Anchor Length 32 Drill Pipe Run 3114 Mud Wt. 9.3
Top Packer Depth 3225 Drill Collars Run 118 Vis 56
Bottom Packer Depth 3230 Wt. Pipe Run — WL 7.2
Total Depth 3262 Chlorides 5000 ppm System LCM 2#

Blow Description I.F. Blow built to B.O.B. in 37 minutes
I.S.I 1/2 inch blow back
F.F. Blow built to B.O.B. in 29 minutes
F.S.I No Blowback

Rec 155	Feet of Oily Mud	%gas	30 %oil	%water	70 %mud
Rec 140	Feet of Clean Gassy Oil	20 %gas	80 %oil	%water	%mud
Rec 77	Feet of Gas in Pipe	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 295 BHT 116 Gravity 43 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic	1687	☑ Test	1050	T-On Location	12:12 am
(B) First Initial Flow	34	☐ Jars		T-Started	1:06 am
(C) First Final Flow	87	☐ Safety Joint		T-Open	2:27 am
(D) Initial Shut-In	1036	☐ Circ Sub		T-Pulled	4:57 am
(E) Second Initial Flow	99	☐ Hourly Standby		T-Out	6:43 am
(F) Second Final Flow	129	☑ Mileage	62 46.50	Comments	
(G) Final Shut-In	990	☐ Sampler			
(H) Final Hydrostatic	1664	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☑ Ruined Packer	320
Initial Open	45	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	320
Final Flow	45	☐ Day Standby		Total	1416.50
Final Shut-In	30	☐ Accessibility		MP/DST Disc't	
		Sub Total	1096.50		

Approved By _____ Our Representative _____

-New well- 38.48642 -098.35074 2986' FSL 329' FEL

CASING MECHANICAL INTEGRITY TEST

DOCKET # _____

Disposal [ ] Enhanced Recovery: SE SE NE Sec 18, T 18 S, R 9 E/(W)

Repressuring [ ]
Flood [ ]
Tertiary [ ]

2970 Feet from South Section Line
330 Feet from East Section Line

Date injection started _____
API #15 - 159-22842-0000

Lease Habiger Well # 18-2
County RC

Operator: StrataKan Exploration LLC Operator License # 34975
Name & Address 204 W. Mill St. Contact Person Dalton Popp
Plainville, Ks. 67663 Phone 620-786-4442

Max. Auth. Injection Press. _____ psi; Max. Inj. Rate _____ bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Tubing
Size		8 5/8"	5 1/2"		2 3/8"
Set at		448'	3338'		3326'
Cement Top		0			Type seal-tite
" Bottom		448'	3338'		

DV/Perf. _____ TD (and plug back) 3413' ft. depth
Packer type SL-Shear Size 5 1/2 x 2 3/8" Set at 3326'
Zone of injection Arbuckle ft. to ft. 3413 Perf. or open hole OH

Type Mit: Pressure [X] Radioactive Tracer Survey [ ] Temperature Survey [ ]

Time: Start 0 Min. 15 Min. 30 Min.

Pressures: 310 300 300 Set up 1 | System Pres. during test —
_____ _____ _____ Set up 2 | Annular Pres. during test 300-310
_____ _____ _____ Set up 3 | Fluid loss during test 0 bbls.

Tested: Casing [ ] or Casing - Tubing Annulus [X]

The bottom of the tested zone is shut in with Packer

Test Date 5-26-17 Using Outlaw Tank Svc. Company's Equipment

The operator hereby certifies that the zone between 0 feet and 3326 feet was the zone tested

Dalton Popp — Signature
Agent — Title

The results were Satisfactory X, Marginal _____, Not Satisfactory _____

Witnessed by Agent Virgil Clothier Title Env. Comp/Reg Spec. Witness: Yes X No _____

REMARKS: 2 jts fiberglass tail pipe - 59.57' long

[ ] Orgin. Conservation Div.; [ ] KDHE/T; [ ] Dist. Office;

[ ] Computer Update Treated fluids in annulus.

KCC Form U-7 6/8

Date: 4/26/2017
Invoice # 151

P.O.#:

Due Date: 5/26/2017
Division: *Russell*

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 fax:785-483-1087
Email: cementing@ruraltel.net

Invoice

Contact:
STRATA KAN EXPLORATION
Address/Job Location:

204 W MILL
Plainville Ks 67663

Reference:
HABIGER 18-2 SEC 18-18-9

Description of Work:
SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		$ 601.97	No				
Common-Class A	160	$ 1,792.00	Yes				
Calcium Chloride	7	$ 264.48	Yes				
POZ Mix-Standard	40	$ 188.92	Yes				
Bulk Truck Matl-Material Service Charge	211	$ 142.36	No				
Pump Truck Mileage-Job to Nearest Camp	34	$ 103.23	No				
Premium Gel (Bentonite)	4	$ 78.27	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	34	$ 80.29	No				

Invoice Terms:
Net 30

SubTotal:	$	*3,251.51*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(81.29)
SubTotal for Taxable Items:	$	2,265.57
SubTotal for Non-Taxable Items:	$	904.65
Total:	$	3,170.22
7.50% Rice County Sales Tax Tax:	$	169.92
Amount Due:	**$**	**3,340.14**
Applied Payments:		
Balance Due:	**$**	**3,340.14**

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.

PAID

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 fax:785-483-1087
Email: cementing@ruraltel.net

Date: 4/30/2017
Invoice # 155

P.O.#:

Due Date: 5/30/2017
Division: *Russell*

Invoice

Contact:
STRATA KAN EXPLORATION
Address/Job Location:

204 W MILL
Plainville Ks 67663

Reference:
HABIGER 18-2 SEC 18-18-9

Description of Work:
PROD STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		$ 601.97	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	34	$80.29	No
Pro-C Cement	180	$ 2,186.02	Yes				
Gilsonite	750	$ 759.04	Yes				
5 1/2" Turbolizer	6	$ 291.47	Yes				
Mud Clear	500	$ 249.64	Yes				
Auto Fill Float Shoe, 5 1/2"	1	$ 226.70	Yes				
KCL	10	$ 201.47	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	$ 179.47	Yes				
Salt (Fine)	15	$ 132.58	Yes				
Bulk Truck Matl-Material Service Charge	202	$ 136.29	No				
Pump Truck Mileage-Job to Nearest Camp	34	$ 103.23	No				

Invoice Terms:
Net 30

SubTotal:	$	*5,148.15*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(128.70)
SubTotal for Taxable Items:	$	4,120.72
SubTotal for Non-Taxable Items:	$	898.73
Total:	$	5,019.45
7.50% Rice County Sales Tax Tax:	$	309.05
Amount Due:	**$**	**5,328.50**
Applied Payments:		
Balance Due:	**$**	**5,328.50**

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.

PAID

C

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 155
Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-30-17	18	18	9	Rice	Ks		6:15 AM

Location Claflin E to 8th Rd, 2S, W/S

Lease Habiger Well No. 18-2

Contractor WW 14

Type Job Longstring

Hole Size 7 7/8" T.D. 3340'

Csg. 5 1/2" New 15.50# Depth 3337'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 40.36' Shoe Joint 40.36'

Meas Line Displace 78 1/2 BLS

EQUIPMENT

Pumptrk 16 No. Cementer Helper Travis

Bulktrk No. Driver Driver Tony

~~Bulktrk~~ P.U. No. Driver Driver Rick

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers 1-6

Baskets pipe on bottom break Circulation

D/V or Port Collar pump 500 gal mud Clear 48

pump 20 BLS KCL plug Rathole

w/ 30 sx plug mousehole w/ 20 sx

Cement 5# Gilsonite + mix 130 sx Cement

shut down wash pump + lines Displaced

plug w/ 78 1/2 BLS KCL Released + held

Lift pressure 600 #

Land plug to 1500 #

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.

Charge To Stratakan Exploration

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 180 QPro-C 10% Salt 5% Gilsonite - 500 gal mud Clear 48 - 98 1/2 BLS KCL

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	6
Baskets	
AFU Inserts	
Float Shoe	1
Latch Down	1
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 151
Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-26-17	18	18	9	Rice	Ks		1:30 AM

Location Claflin E to 8th Rd, 2S, W/S

Lease Habiger Well No. 18-2

Owner

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

Hole Size 12¼" T.D. 449'

Charge To Stratakan Exploration

Csg. 8⅝" Depth 449'

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 200 80/20 3% cc 2% Gel

Meas Line Displace 27½ Bbls

EQUIPMENT

Pumptrk 16	No.	Cementer	
		Helper	Travis
Bulktrk 15	No.	Driver	
		Driver	Doug
Bulktrk P.U.	No.	Driver	
		Driver	Rick

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	160
Poz. Mix	40
Gel.	4
Calcium	7
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	211
Mileage	

FLOAT EQUIPMENT

Guide Shoe	wood plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	34
Tax	
Discount	
Total Charge	

X Signature [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 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.

Date: 5/18/2017
Invoice # 234

P.O.#:

Due Date: 6/17/2017
Division: *Russell*

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 fax:785-483-1087
Email: cementing@ruraltel.net

Invoice

Contact:
STRATA KAN EXPLORATION
Address/Job Location:

204 W MILL
Plainville Ks 67663

Reference:
HABIGER 18-2

Description of Work:
SQUEEZE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		$ 601.97	No				
Common-Class A	100	$ 1,120.00	Yes				
Pump Truck Mileage-Job to Nearest Camp	34	$ 103.23	No				
Bulk Truck Matl-Material Service Charge	150	$ 101.20	No				
Calcium Chloride	2	$ 75.57	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	34	$ 80.29	No				

Invoice Terms:
Net 30

SubTotal:	$	*2,082.26*
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:	$	(52.06)
SubTotal for Taxable Items:	$	1,165.68
SubTotal for Non-Taxable Items:	$	864.52
Total:	$	2,030.20
7.50% Rice County Sales Tax Tax:	$	87.43
Amount Due:	**$**	**2,117.63**
Applied Payments:		
Balance Due:	**$**	**2,117.63**

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.

PAID

C

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 234

Cell 785-324-1041

Date 5-18-17	Sec.	Twp.	Range	County Rice	State KS	On Location	Finish

Location Bushton Gas Plant 2s Winto

Lease Habiger Well No. 18-2

Contractor Super

Type Job Squeeze

Hole Size T.D.

Csg. 5 1/2 Depth

Tbg. Size 2 7/8 Depth

Tool Depth

Cement Left in Csg. Shoe Joint

Meas Line Displace

EQUIPMENT

	No.		
Pumptrk 18		Cementer	Craig
		Helper	
Bulktrk		Driver	Travis
		Driver	
Bulktrk 14		Driver	
		Driver	Jordan

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Perfs - 3242-50

Packer 3140

Rate 5BLC 200#-

Mixed 100SK & Squeezed to 2000#

Washaround Tool. Pull 10 joints &

shut in @ 1000#

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.

Charge To Stratakan Exploration

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150com 1-1-CC

Used 100

Common 100

Poz. Mix

Gel.

Calcium 2

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 150

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Squeeze

Mileage 34

Tax

Discount

Total Charge

X 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 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.

AFFIDAVIT OF PUBLICATION

STATE OF KANSAS, RICE COUNTY, ss:

Daniel B. Marshall being first duly sworn, deposes and says:
That he is publisher of

THE STERLING KANSAS BULLETIN

A weekly newspaper printed in the State of Kansas, and published in and of general circulation in Rice County, Kansas, with a general paid circulation on a weekly basis in Rice County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a weekly, published at least weekly 50 times a year; has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Sterling, Kansas, in said County as second class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for one time only, being made as aforesaid on the 22nd day of June, 2017.

Publisher

Subscribed and sworn to before me

this 23rd day of June, 2017.

Notary Public

NOTARY PUBLIC STATE OF KANSAS
KONI HENDRICKS
NOTARY PUBLIC
STATE OF KANSAS
My App. Exp. 7-5-20

My commission expires July 5, 2020.

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE: StrataKan Exploration, LLC. – Application for a permit to authorize the **disposal** of saltwater into the Habiger 18-2, located in **Rice**, County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.

You, and each of you, are hereby notified that StrataKan Exploration, LLC, has filed an application to commence the disposal of saltwater into the **Arbuckle** formation at the **Habiger 18-2**, located in the **2310' FNL 330' FEL Section 18 18s-9w, Rice** County, Kansas, with a maximum operating pressure of 0 #and a maximum injection rate of **4,000** bbls per day.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within thirty (30) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

StrataKan Exploration, LLC,
204 W. Mill,
Plainville, KS 67663
785-688-4241

(Published in the Sterling Kansas Bulletin, Sterling, Rice County, Kansas, on June 22, 2017). 675

STRATAKAN EXPLORATION, LLC
Habiger #18-2
2310' FNL & 330' FEL Sec 18-18S-9W
Rice Co., Kansas

1736' GL
1747' KB

Report: Complete in Arb

05-10-17 MIRU SOS Well Svc DD. RIH w/ sandpump & CO to PBTD @ 3293'. RU Pioneer Energy Svc, ran CBL w/ excellent cement bond throughout. PBTD 3293' & TOC @ 2100'. Swab csg down to 2265', 1000' FIH, perf Arb 3242-46'(4') w/ 4" Expendable gun 4 spf. TIH w/ Tool Tech 5 ½" pkr & tbg setting pkr @ 3202'. RIH w/ swab, FL @ 2200' w/ no fluid entry, swabbed fluid down to 3202'. Let set 30 min w/ FL @ 3202', no fluid entry. SIT, SDFN

SOS	$ 1500.00		
Wildcat	$11623.00		
Honas	$ 850.00		
Scheck	$ 800.00		
Pioneer	$ 2750.00		
Tool Tech	$ 1350.00		
Popp	$ 600.00		
Total	$19473.00	Cum	$19473.00

05-11-17 FL @ 3202', no fluid entry. RU Kansas Acid, . RU Kansas Acid, spot acid, set pkr @ 3202' then acidize Arb 3242-46' w/ 250 gal 15% MCA. Max press – 1300#, min – 200#, avg treat – staging, avg treat – staging. W/ 4.25 bbl acid out in formation, formation taking acid on very slight vac. Total load – 24 bbls, SIT, SDFN.

SOS	$ 2300.00		
Tool Tech	$ 325.00		
Kansas Acid	$ 940.00		
Popp	$ 600.00		
Total	$ 4165.00	Cum	$23638.00

05-12-17 FL @ surface, formation didn't take all acid, ½ bbl left in tbg. Swab test as follows:

Time	bbl	cum	%	comments
1st hr	11.02	11.02	wtr	FL 1450', 4-500' pulls, 2.6 bbl/FF
2nd hr	6.96	17.98	wtr	FL 3200', 4 pulls, last pull dry, 0 bbl/FF

TOH w/ tbg & pkr. Dump water via csg, FL @ 2460'. RU Pioneer Energy Svc, perf Arb 3246-50'(4') w/ 4" Expendable gun 4 spf. TIH w/ pkr & tbg, set pkr @ 3202'. RIH w/ swab, FL @ 2250', made 2 – 500' pulls w/ last pull from SN. Let set 30 min, dry. SIT, SDFN & Weekend.

SOS	$ 2050.00		
Pioneer	$ 2010.00		
Tool Tech	$ 325.00		
Popp	$ 600.00		
Total	$ 4985.00	Cum	$28623.00

05-15-17 FL @ 3200', no fluid entry. RU Kansas Acid, spot acid, set pkr @ 3202' then acidize Arb 3246-50' w/ 250 gal 15% MCA. Max press – 1200#, min – 200#, avg treat – staging, avg treat – staging. W/ 4.00 bbl acid out in formation, formation taking acid on slight vac. Total load – 24 bbls, let set 15 min, RIH w/ swab w/ FL @ 500', swab test as follows:

1st hr	9.86	9.86	wtr	FL 500', 4-500' pulls, 9.8 bbl/FF
2nd hr	20.88	30.74	wtr	FL 500', 4-1000' pulls, 20.8 bbl/FF

SOS	$ 2500.00		
Kansas Acid	$ 940.00		
Popp	$ 600.00		
Total	$ 4040.00	Cum	$32663.00

05-16-17 FL @ 500', 2700' FIH w/ water. Swab steady as follows:

1st hr	58.58	89.32	wtr	FL 1000', swb stdy, 58.5 bbl/FF
2nd hr	52.20	141.52	wtr	FL 1000', swb stdy, 52.2 bbl/FF
3rd hr	63.22	204.74	wtr	FL 1000', swb stdy, 63.2 bbl/FF

RU Kansas Acid, retreat Arb 3242-50' w/ 1000 gal 15%NE/Fe/CS & 500# rock salt. Max press – 2500#, min – 700#, avg treat- 1500#, max rate – 4.8 bpm, min – 2.1 bpm, avg treat – 4 bpm, ISIP – vac. Total load – 58 bbl. When diverter hit, that's when we had max press, after that finished @ 4.8 bpm w/ 700#. SDFN

SOS	$ 2100.00		
Kansas Acid	$ 2300.00		
Outlaw Tank	$ 800.00		
Popp	$ 600.00		
Total	$ 5800.00	Cum	$38463.00

05-17-17 FL @ 500', 2700' FIH w/ all water. Swab test as follows:

1st hr	38.28	38.28	wtr	FL 600', swb stdy, 38.2 bbl/FF
2nd hr	45.24	83.52	wtr	FL 600', swb stdy, 45.2 bbl/FF
3rd hr	55.68	139.20	wtr	FL 600', swb stdy, 55.6 bbl/FF
SDFN				

SOS	$ 1100.00		
Popp	$ 600.00		
Total	$ 1700.00	Cum	$40163.00

05-18-17 Scheck Oil dug workover pit & lined w/ plastic. RU Quality Oilwell Cementing & Outlaw Tank Svc, moved pkr up to 3140' & set. Took inj rate, 5 bpm @ 200# then cemented w/ 100 sx common 1% cc. Had walking squeeze to 2000# w/ 95 sx in formation, staged on cement 1 hr holding 2000# & no flow back. Release pkr, wash up around pkr, pull pkr up to 2830' & set then pressure up to 1000# on tbg & 500# csg. SIT, SIC, SD let cement set till 5/22.

SOS	$ 1000.00		
Scheck	$ 420.00		
Quality	$ 2200.00		
Outlaw	$ 450.00		
Popp	$ 600.00		
Total	$ 4670.00	Cum	$44833.00

05-22-17 MIRU Kansas Fishing Tool, pump, swivel & drill collars. TIH w/ 4-7/8" tooth bit, 4 – 3 ½" drill collars & tbg tagging cement @ 3200'. Drilled 5' soft cement then hard cement down to 3252' & fell through cement. Circulate hole clean then pressure up to 500# on squeeze & holding pressure. Ran bit down to latch down @ 3290'& start drilling. Drilled down to 3316', circulate hole clean then pull bit up to 3300'. SDFN

SOS	$ 2450.00		
KFT	$ 2600.00		
Outlaw	$ 350.00		
Popp	$ 600.00		
Total	$ 6000.00	Cum	$50833.00

05-23-17 Ran bit down to 3316' & start drilling. Drilled cement to float shoe then drilled out float shoe to open hole. Drilled 4' of new open hole to 3348', circulated hole clean then TOH w/ tbg, collars & tooth bit. TIH w/

4-7/8" button bit, drill collars & tbg. Drilled from 3348' to 3381' w/ 6.25 min/ft avgerage. Circulate hole clean, pull bit up to 3316'. SDFN

SOS	$ 2450.00		
KFT	$ 1400.00		
Popp	$ 600.00		
Total	$ 4450.00	Cum	$55283.00

05-24-17 Ran bit back down to 3381' & start drilling. Drilled down to 3413' @ 4 min/ft average then lost circulation. Pumped 150 bbl water in 45 min w/ some circulation, stopped pump w/ tbg & csg on strong vac. Pulled bit back up to 3330', RU Kansas Acid & treat open hole 3340' to 3413'(73') 500 gal 28% NE/Fe/CS spotting acid on bottom the over displace 4 bbl. TOH w/ tbg, drill collars & bit.

SOS	$ 1850.00		
KFT	$ 2000.00		
Outlaw	$ 350.00		
Kansas Acid	$ 1720.00		
Popp	$ 600.00		
Total	$ 6520.00	Cum	$61803.00

05-25-17 RU, start swabbibg csg for formation clean up. Recovered 105 bbl w/ FL @ 675'. TIH w/ disposal tbg as follows:

			Set @
2-3/8" 8rd fiberglass tailpipe	2jts	59.57'	3385.75'
5 ½"x 2-3/8" SL Shear Tension Sealtite lined pkr	1jt	2.80'	3326.18'
2-3/8" 8rd EUE Sealtite tbg	106jts	3314.38'	3323.38'
Below KB		9.00'	

RU Outlaw Tank Svc, dump treated fresh water via csg, set tension pkr 16,000# over tbg w/ 16" stretch then finish loading csg & pressure up on csg to 300# for MIT. KCC state man on location was Virgil Clothier & passed MIT. Release pressure on csg, SIC, SIT, RDMO DD

SOS	$ 2000.00		
Scheck	$ 660.00		
Outlaw	$ 550.00		
Staabco	$ 160.00		
Wildcat	$ 1120.00		
Popp	$ 600.00		
Total	$ 5090.00	Cum	$66893.00

STRATAKAN EXPLORATION, LLC
Habiger #18-2
2310' FNL & 330' FEL Sec 18-18S-9W
Rice Co., Kansas

1736' GL
1747' KB

Completion Report - Run production csg

04-30-17 7:00 am – Wait on completion rig, Cut 3340' of 7-7/8" hole. RU Pioneer Energy Svc, ran Dual Compensated Porosity, Dual Induction, Sonic & Microresisitivity Logs, LTD – 3340'. TIH w/ bit, CTCH, LDDP & ND. Ran 86 jts of New 5 ½" 8rd 15.5# J-55 R-2&3 LTC csg. Tallied 3327.39', set @ 3337', 3' off bottom. Shoe jt 40.36' w/ latch down @ 3296'. Ran turobilizer/centrilizers @ 3296', 3252', 3209', 3170', 3132' & 3092'. 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 @ 6:15 am 4/30/17 w/ 1500# - latch down held. Plug rat hole w/ 30 sx cement & mouse hole w/ 20 sx cement. Set slips & release rig @ 8:15 am 4/30/17. Equipment left on location, 6 jts csg = 191.29' threads off.