

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	King Oil Operations, LLC
Well Name	STEVENSON 1-10
Doc ID	1428371

Tops

Name	Top	Datum
Anhydrite	2438	+515
Topeka	3745	-792
Heebner	3966	-1013
Toronto	3989	-1036
Lansing	4008	-1055
BKC	4306	-1353
Marmaton	4337	-1384
Fort Scott	4492	-1539
Cherokee	4521	-1568
Johnson	4565	-1612
Mississipian	4592	-1639
Total Depth	4674	-1721



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

11894
11481

TICKET NUMBER 55864
LOCATION Oakley KS
FOREMAN Jerry Y

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #814131 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-11-18	4562	Stevens 1-10	10	13S	31W	Gore
CUSTOMER <u>King O-1</u>			Oakley S			
MAILING ADDRESS <u>6800 Fairground Rd.</u>			to Synca			
CITY <u>Ellis</u>			E to 16			
STATE <u>KS</u>			IS			
ZIP CODE <u>67637</u>			E into			
TRUCK #	DRIVER	TRUCK #	DRIVER			
7531	Cory W					
701	Eric W					
535	Cherry Y					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 220 CASING SIZE & WEIGHT 8 3/8 23#
 CASING DEPTH 220 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on Discovery 1 circulate casing mix 1753ks
com 3% CD 2% gel wash up & displace with 12 3/4 bbl H₂O & start in

Cement did
circulate

Thank you
Jerry Y

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0711	1	PUMP CHARGE	1150.00	1150.00
CB0002	20	MILEAGE	7.15	143.00
CE0711	8.23	ton mileage delivery (min)	660.00	660.00
CC5871	1753ks	Surface blend II	24.00	4200.00
			Subtotal	6153.00
			25%	1538.25
			Subtotal	4614.75
			SALES TAX	267.75
			ESTIMATED TOTAL	4882.50

SCANNED

Ravin 3737

AUTHORIZATION [Signature] TITLE Pusher DATE 9/11/18

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



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

11626
 11511

TICKET NUMBER 55868
 LOCATION Oakley, Ks
 FOREMAN Jerry
Walt Dinkal
KS

FIELD TICKET & TREATMENT REPORT
 CEMENT

Invoice #814163

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-19-08	4562	Stevenson 1-10	10	135	31W	Gove	
CUSTOMER King Oil		Oakley's to Synner E to 16 15 E into		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 6800 Fairground Rd.				731	Cory D		
CITY Ellis		STATE KS	ZIP CODE 67637	579	Walt D		
				535	Jerry		

JOB TYPE Plug HOLE SIZE 7 7/8 HOLE DEPTH 4700 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig upon Discovery 1 plug as ordered with 255 sks
60/40 42 gal 1/4# fl seal
50 sks @ 2450'
100 sks @ 1520'
50 sks @ 270'
10 sks @ 40'
15 sks MH
30 sks RH

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	20	MILEAGE	7.15	143.00
CE0711	10.97	km mileage delivery (min)	60.00	660.00
CC5829	255 sks	lite blend V	16.00	4080.00
CC6075	64#	fl seal	3.00	192.00
CP8228	1	8 5/8 wood plug	165.00	165.00
			sub total	7140.00
			-25%	1785.00
			sub total	5355.00
			SALES TAX	282.86
			ESTIMATED TOTAL	5637.86

AUTHORIZATION [Signature] TITLE PUSHER DATE _____

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



DRILL STEM TEST REPORT

Prepared For: **King Oil Operation**

1746 150th Ave
Ellis, KS 67637

ATTN: Jason T Alm

Stevenson #1-10

10-13s31w Gove,KS

Start Date: 2018.09.17 @ 01:34:38

End Date: 2018.09.17 @ 09:07:08

Job Ticket #: 63922 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.09.20 @ 10:39:51

King Oil Operation
10-13s31w Gove,KS
Stevenson #1-10
DST # 1
LKC LK
2018.09.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

King Oil Operation

10-13s31w Gove, KS

1746 150th Ave
Ellis, KS 67637

Stevenson #1-10

ATTN: Jason T Alm

Job Ticket: 63922

DST#: 1

Test Start: 2018.09.17 @ 01:34:38

GENERAL INFORMATION:

Formation: LKC I-K
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:27:38
Time Test Ended: 09:07:08

Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79

Interval: 4170.00 ft (KB) To 4270.00 ft (KB) (TVD)
Total Depth: 4270.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2963.00 ft (KB)
2945.00 ft (CF)
KB to GRCP: 8.00 ft

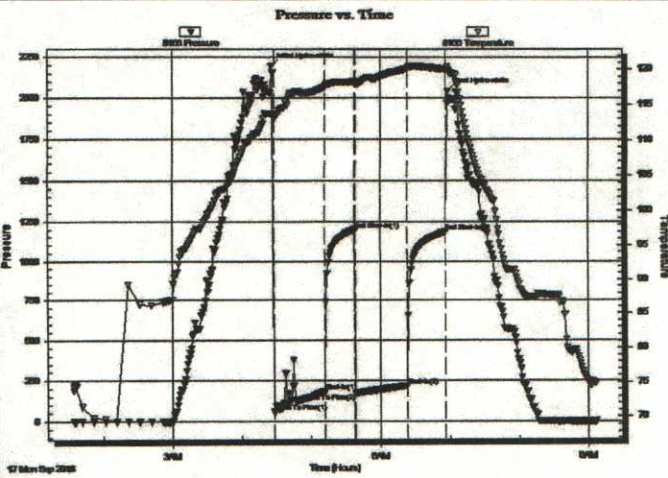
Serial #: 8166

Outside

Press@RunDepth: 218.39 psig @ 4171.00 ft (KB)
Start Date: 2018.09.17 End Date: 2018.09.17
Start Time: 01:34:43 End Time: 09:07:07

Capacity: 8000.00 psig
Last Calib.: 2018.09.17
Time On Btm: 2018.09.17 @ 04:25:38
Time Off Btm: 2018.09.17 @ 06:58:08

TEST COMMENT: IF:BOB in 23 min. 15"
IS: No return.
FF: BOB in 45 min.
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.16	113.72	Initial Hydro-static
2	56.08	112.87	Open To Flow (1)
46	180.39	117.45	Shut-In (1)
72	1199.21	118.25	End Shut-In (1)
73	171.16	118.00	Open To Flow (2)
117	218.39	120.11	Shut-In (2)
151	1185.02	120.02	End Shut-In (2)
153	2041.44	119.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	nw 50%w 50%m	0.76
126.00	w cm 20%w 80%m	0.76
176.00	mud oil spot 100%m	2.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operation

10-13s31w Gove, KS

1746 150th Ave
Ellis, KS 67637

Stevenson #1-10

Job Ticket: 63922

DST#: 1

ATTN: Jason T Alm

Test Start: 2018.09.17 @ 01:34:38

Tool Information

Drill Pipe:	Length: 3855.00 ft	Diameter: 3.80 inches	Volume: 54.08 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.50 inches	Volume: 1.88 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 55.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4170.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	130.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4141.00	
Shut In Tool	5.00			4146.00	
Hydraulic tool	5.00			4151.00	
Jars	5.00			4156.00	
EM tool	3.00			4159.00	
Safety Joint	2.00			4161.00	
Packer	5.00			4166.00	30.00 Bottom Of Top Packer
Packer	4.00			4170.00	
Stubb	1.00			4171.00	
Recorder	0.00	6651	Inside	4171.00	
Recorder	0.00	8166	Outside	4171.00	
Perforations	28.00			4199.00	
Change Over Sub	1.00			4200.00	
Drill Pipe	64.00			4264.00	
Change Over Sub	1.00			4265.00	
Bullnose	5.00			4270.00	100.00 Bottom Packers & Anchor
Total Tool Length:	130.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operation

10-13s31w Gove,KS

1746 150th Ave
Ellis, KS 67637

Stevenson #1-10

Job Ticket: 63922

DST#: 1

ATTN: Jason T Alm

Test Start: 2018.09.17 @ 01:34:38

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.59 in³
Resistivity: 0.00 ohm.m
Salinity: 6500.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 0 deg API
Water Salinity: 52000 ppm

Recovery Information

Recovery Table

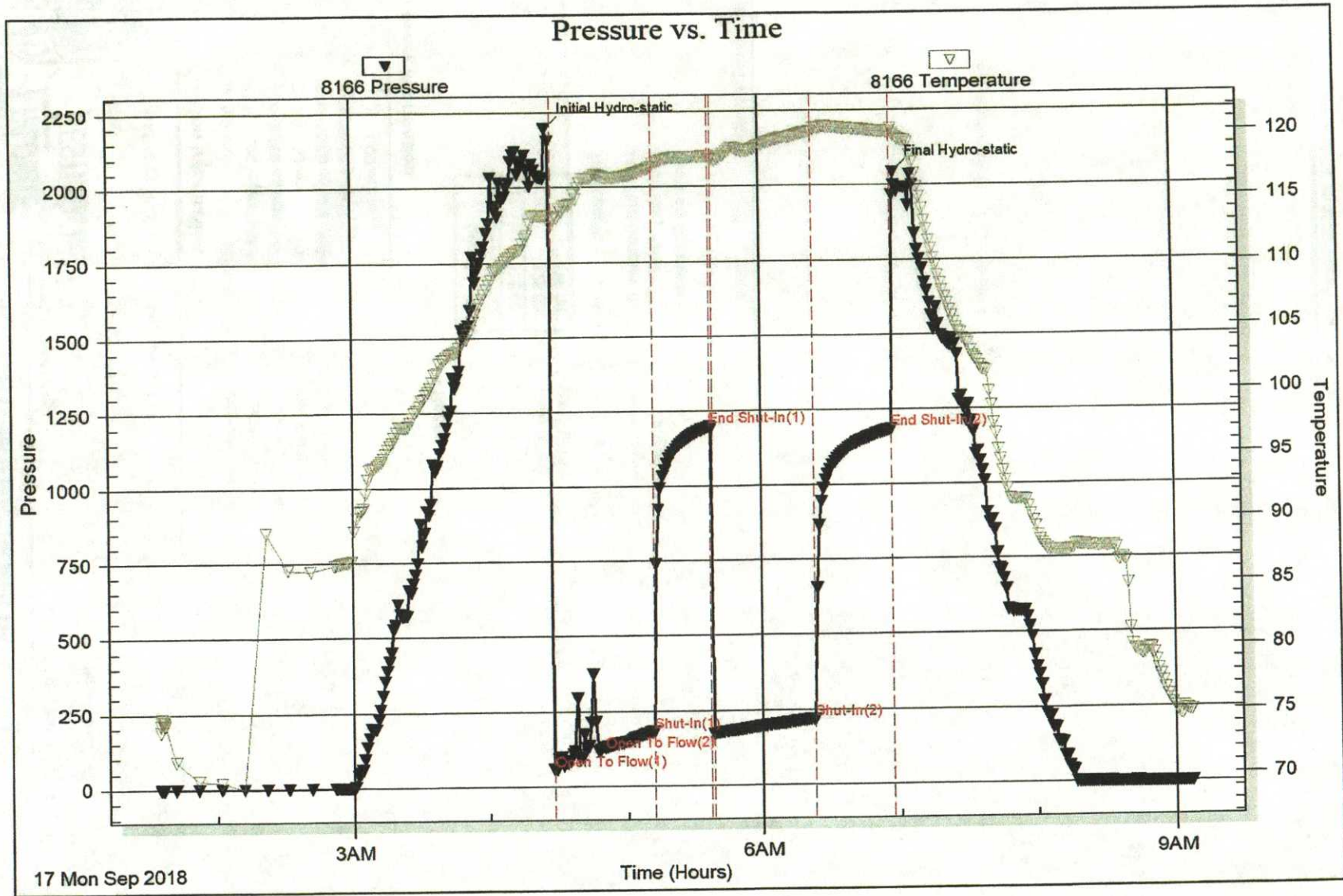
Length ft	Description	Volume bbl
126.00	mw 50%w 50%m	0.765
126.00	w cm 20%w 80%m	0.765
176.00	mud oil spot 100%m	2.007

Total Length: 428.00 ft Total Volume: 3.537 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .15@69=52000



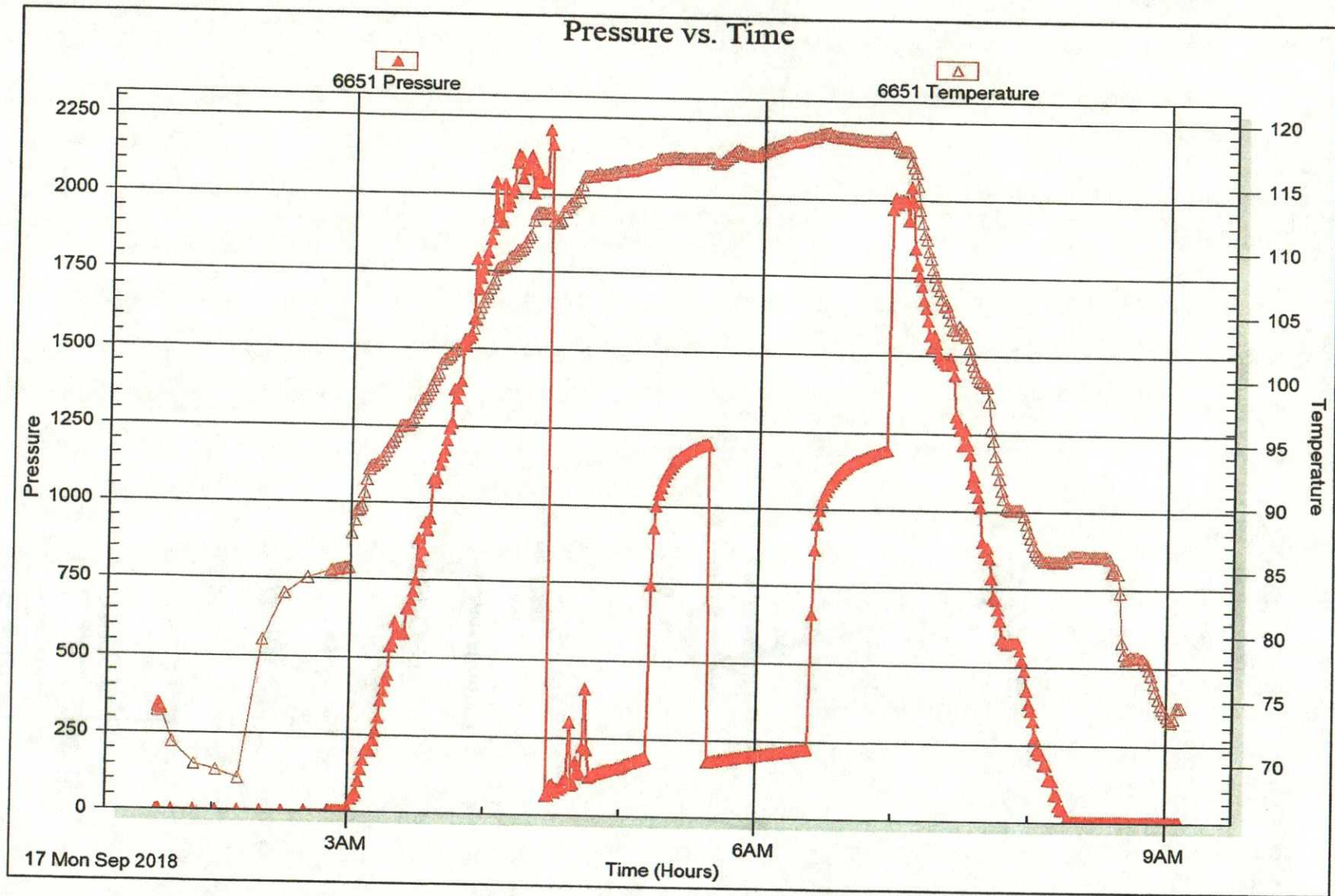
17 Mon Sep 2018

Serial #: 6651

Inside King Oil Operation

Stevenson #1-10

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **King Oil Operation**

1746 150th Ave
Ellis, KS 67637

ATTN: Jason T Alm

Stevenson #1-10

10-13s31w Gove,KS

Start Date: 2018.09.18 @ 12:57:54

End Date: 2018.09.18 @ 20:28:24

Job Ticket #: 63923 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.09.20 @ 10:38:11

King Oil Operation
10-13s31w Gove,KS
Stevenson #1-10
DST # 2
Johnson
2018.09.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

King Oil Operation

10-13s31w Gove, KS

1746 150th Ave
Ellis, KS 67637

Stevenson #1-10

Job Ticket: 63923

DST#: 2

ATTN: Jason T Alm

Test Start: 2018.09.18 @ 12:57:54

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:38:24

Time Test Ended: 20:28:24

Interval: 4517.00 ft (KB) To 4590.00 ft (KB) (TVD)

Total Depth: 4590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 2953.00 ft (KB)

2945.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8166

Outside

Press@RunDepth: 57.08 psig @ 4518.00 ft (KB)

Start Date: 2018.09.18

End Date:

2018.09.18

Start Time: 12:57:59

End Time:

20:28:23

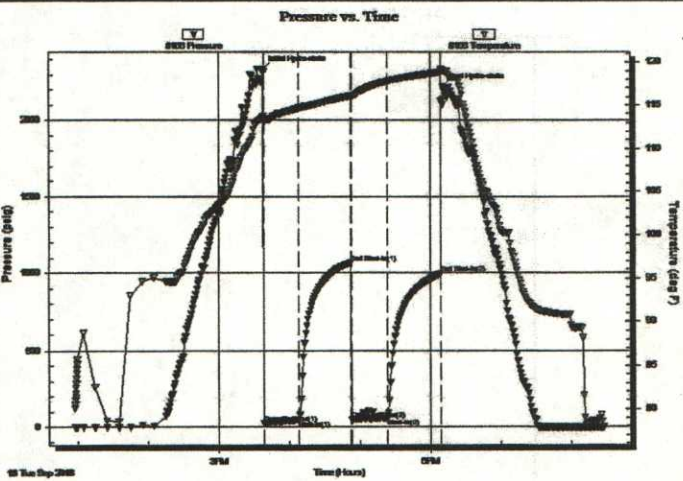
Capacity: 8000.00 psig

Last Calib.: 2018.09.18

Time On Btm: 2018.09.18 @ 15:37:24

Time Off Btm: 2018.09.18 @ 18:10:24

TEST COMMENT: IF: 3/4 blow built to 2 1/2.
IS: No return.
FF: Surface blow built to 1.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.68	113.60	Initial Hydro-static
1	24.49	113.10	Open To Flow (1)
31	41.57	114.61	Shut-In(1)
75	1066.50	116.09	End Shut-In(1)
76	47.14	115.82	Open To Flow (2)
106	57.08	117.75	Shut-In(2)
151	995.24	118.86	End Shut-In(2)
153	2218.70	119.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	mud 100%m	0.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operation

10-13s31w Gove,KS

1746 150th Ave
Ellis, KS 67637

Stevenson #1-10

Job Ticket: 63923

DST#: 2

ATTN: Jason T Alm

Test Start: 2018.09.18 @ 12:57:54

Tool Information

Drill Pipe:	Length: 4195.00 ft	Diameter: 3.80 inches	Volume: 58.84 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.50 inches	Volume: 1.88 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 60.72 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4517.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	73.00 ft				
Tool Length:	103.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4488.00	
Shut In Tool	5.00			4493.00	
Hydraulic tool	5.00			4498.00	
Jars	5.00			4503.00	
EM tool	3.00			4506.00	
Safety Joint	2.00			4508.00	
Packer	5.00			4513.00	30.00 Bottom Of Top Packer
Packer	4.00			4517.00	
Stubb	1.00			4518.00	
Recorder	0.00	6651	Inside	4518.00	
Recorder	0.00	8166	Outside	4518.00	
Perforations	1.00			4519.00	
Change Over Sub	1.00			4520.00	
Drill Pipe	64.00			4584.00	
Change Over Sub	1.00			4585.00	
Bullnose	5.00			4590.00	73.00 Bottom Packers & Anchor
Total Tool Length:	103.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operation

10-13s31w Gove, KS

1746 150th Ave
Ellis, KS 67637

Stevenson #1-10

Job Ticket: 63923

DST#: 2

ATTN: Jason T Alm

Test Start: 2018.09.18 @ 12:57:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.79 in³

Resistivity: 0.00 ohm.m

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	mud 100%m	0.455

Total Length: 75.00 ft Total Volume: 0.455 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

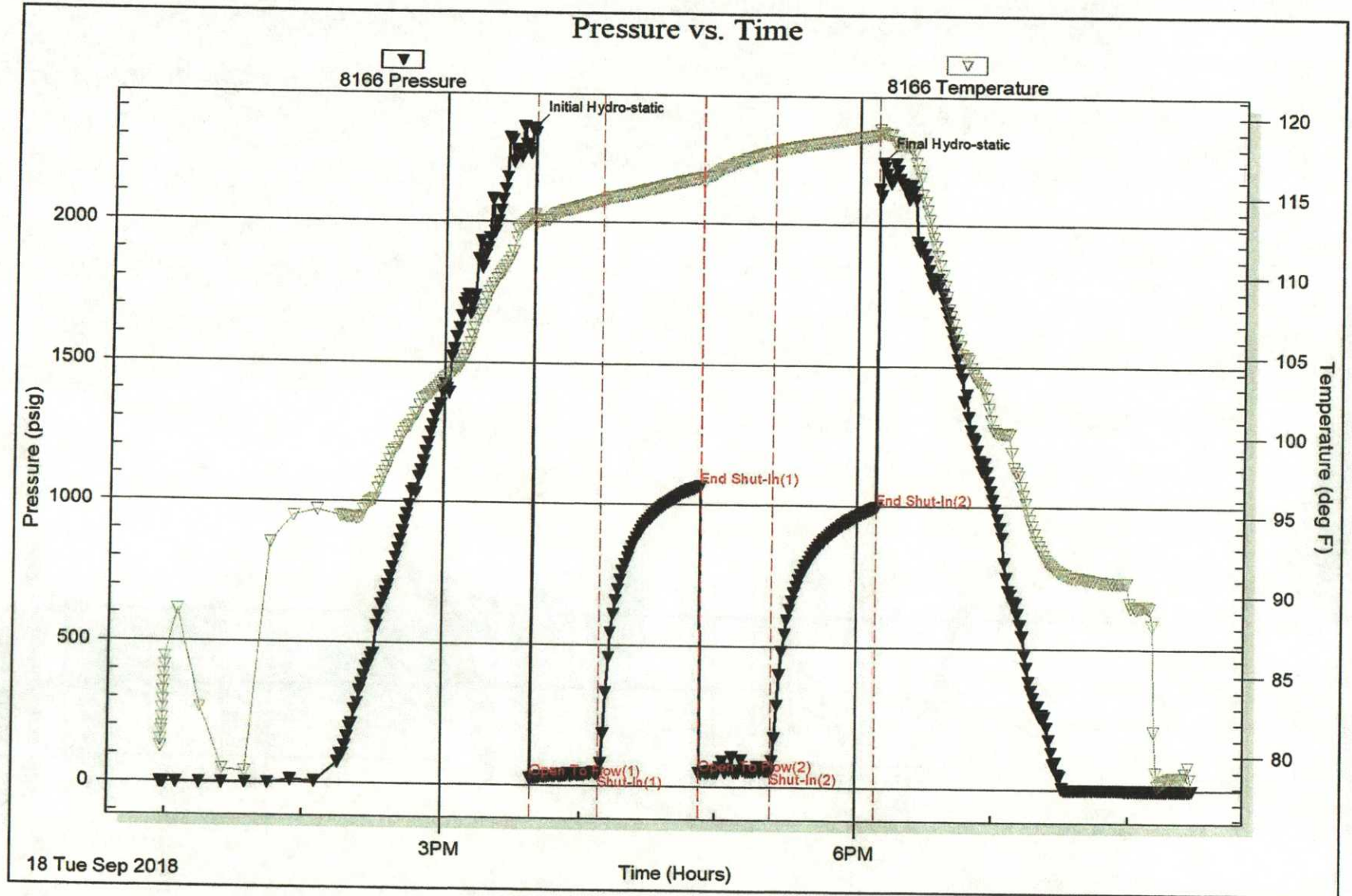
Recovery Comments:

Serial #: 8166

Outside King Oil Operation

Stevenson #1-10

DST Test Number: 2

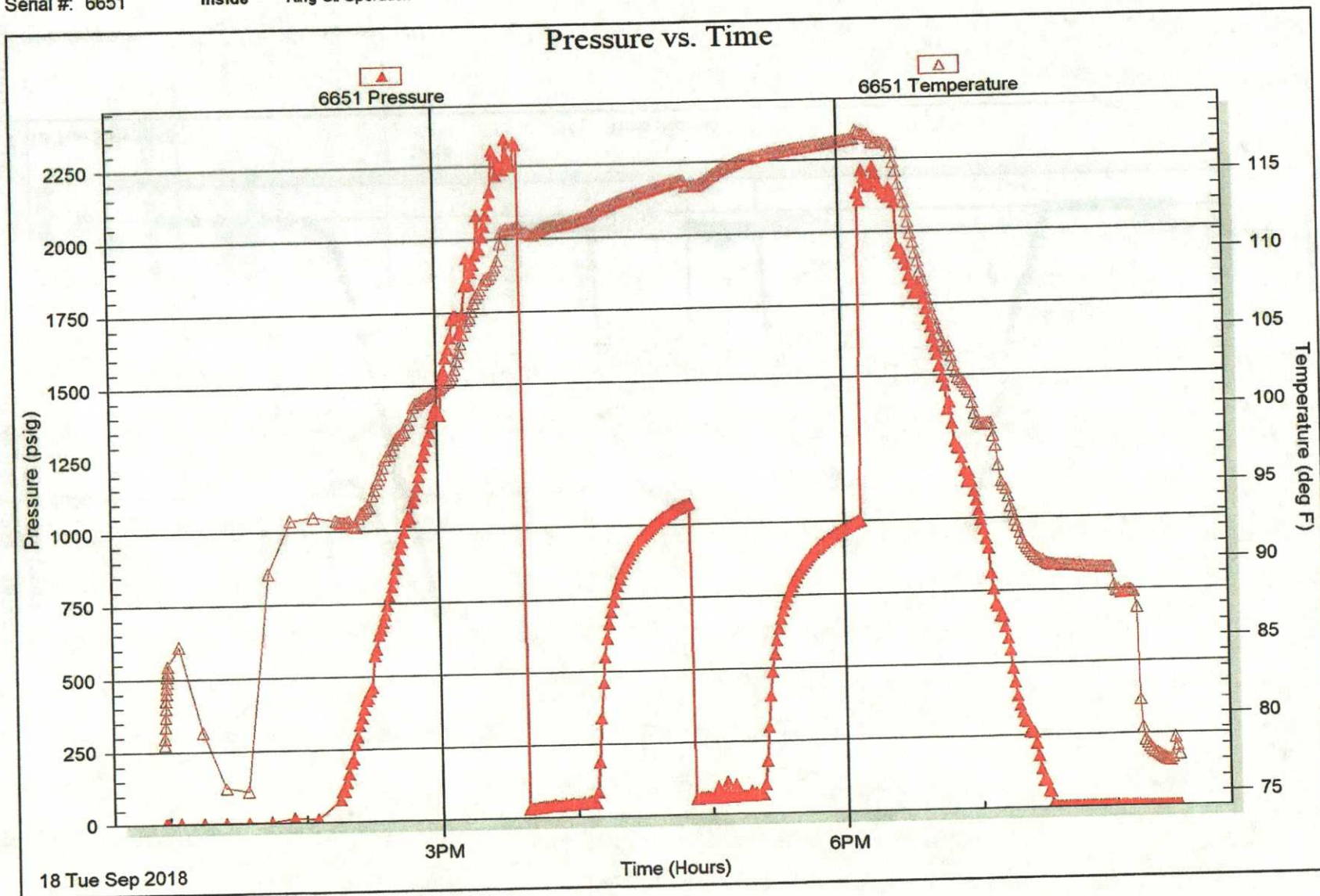


Serial #: 6651

Inside King Oil Operation

Stevenson #1-10

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63922**

Well Name & No. Stevenson 1-10 Test No. 1 Date 9-16-18
 Company King oil operation Elevation 2953 KB 2945 GL
 Address 1746 150th Ave Ellis, KS 67637
 Co. Rep / Geo. Jason T Alm Rig Discovery #1
 Location: Sec. 10 Twp. 13S Rge. 31W Co. Gove State KS

Interval Tested 4170 4270 Zone Tested LK L F-K
 Anchor Length 100 Drill Pipe Run 3855 Mud Wt. 9.3
 Top Packer Depth 4165 Drill Collars Run — Vis 52
 Bottom Packer Depth 4170 Wt. Pipe Run 310 WL 7.6
 Total Depth 4270 Chlorides 6500 ppm System LCM 3/4
 Blow Description IF: BoB in 23 min. 15"
IS: NO return.
FF: BoB in 45 min.
FS: NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>176</u>	<u>mud oil spots</u>			<u>100</u>	
<u>126</u>	<u>wcm</u>		<u>20</u>	<u>80</u>	
<u>126</u>	<u>mw</u>		<u>50</u>	<u>50</u>	

Rec Total 428 BHT 120 Gravity — API RW .15 @ 69° F Chlorides 52,000 ppm

(A) Initial Hydrostatic 2195 Test 1150 T-On Location 21:30
 (B) First Initial Flow 56 Jars 250 T-Started 1:34
 (C) First Final Flow 180 Safety Joint 75 T-Open 4:27
 (D) Initial Shut-In 1199 Circ Sub NIL T-Pulled 7:07
 (E) Second Initial Flow 171 Hourly Standby T-Out 9:10
 (F) Second Final Flow 218 Mileage 86 - 86 Comments EM 4001
 (G) Final Shut-In 1185 Sampler on bank 94 12.
 (H) Final Hydrostatic 2041 Straddle 350
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 45
 Initial Shut-In 25
 Final Flow 45
 Final Shut-In 25
 Sub Total 1561
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63923**

Well Name & No. Stevenson 1-10 Test No. 2 Date 9-18-18
 Company King oil operation Elevation 2953 KB 2945 GL
 Address _____
 Co. Rep / Geo. Jason T Alm Rig Discovery #1
 Location: Sec. 10 Twp. 135 Rge. 31W Co. Gove State KS

Interval Tested 4517 4590 Zone Tested Johnson
 Anchor Length 73 Drill Pipe Run 4195 Mud Wt. 9.4
 Top Packer Depth 4512 Drill Collars Run — Vis 55
 Bottom Packer Depth 4517 Wt. Pipe Run 310 WL 8.8
 Total Depth 4590 Chlorides 7000 ppm System LCM 2

Blow Description ±F: 3/4 blow built to 2 1/2.
IS: No return.
FF: Surface blow built 1.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>mud</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 75 BHT 118 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2332</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>11145</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>12:57</u>
(C) First Final Flow <u>41</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>15:37</u>
(D) Initial Shut-In <u>1066</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>18:07</u>
(E) Second Initial Flow <u>47</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:30</u>
(F) Second Final Flow <u>57</u>	<input checked="" type="checkbox"/> Mileage <u>86-x2</u> 172	Comments <u>EM Tool</u>
(G) Final Shut-In <u>995</u>	<input type="checkbox"/> Sampler	350
(H) Final Hydrostatic <u>2218</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1561

Sub Total 350
 Total 1911
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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Geologic Report

Drilling Time and Sample Log

Operator King Oil Operations, LLC.			KB	Elevation 2953'
Lease Stevenson		No. 1-10	DF GL	2945'
API # 15-063-22341-0000			Casing Record Surface 8 5/8" @ 220' Production None	
Field Wildcat				
Location 1575' FNL & 1830' FWL				
Sec. 10	Twp. 13w	Rge. 31w	Electrical Surveys CNL/CDL, DIL, MEL	
County Gove		State Kansas		

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite	2438' +515	2438' +515	+9
Base	2462' +491	2467' +486	+10
Topeka	3745' -792	3744' -791	+10
Heebner	3966' -1013	3964' -1011	+9
Toronto	3989' -1036	3987' -1034	+9
Lansing	4008' -1055	4005' -1052	+8
BKC	4306' -1353	4304' -1351	+10
Marmaton	4337' -1384	4334' -1381	+11
Fort Scott	4492' -1539	4489' -1536	+6
Cherokee	4521' -1568	4520' -1567	+7
Johnson	4565' -1612	4564' -1611	+7
Mississippian	4592' -1639	4588' -1635	+46
Total Depth	4674' -1721	4669' -1716	

Reference Well For Structural Comparison Lario Oil & Gas Co. Stevenson Trust #1-10
1110' FSL & 2310' FWL Sec. 10 T13s R31w Gove County, Kansas

Drilling Contractor	Discovery Drilling Co., Inc.	Rig #1	
Commenced	9-11-2018	Completed	9-20-2018
Samples Saved From	3850'	To	RTD
Drilling Time Kept From	3700'	To	RTD
Samples Examined From	3850'	To	RTD
Geological Supervision From	3850'	To	RTD

Displacement **3700'** **Mud Type** **Chemical**

Summary and Recommendations

The location for the Stevenson #1-10 was located via 3-D seismic survey. The new well ran slightly lower than expected via the survey. Two Drill Stem Tests were conducted, both of which were negative. After all gathered data had been examined the decision was made to plug and abandon the Stevenson #1-10 well.

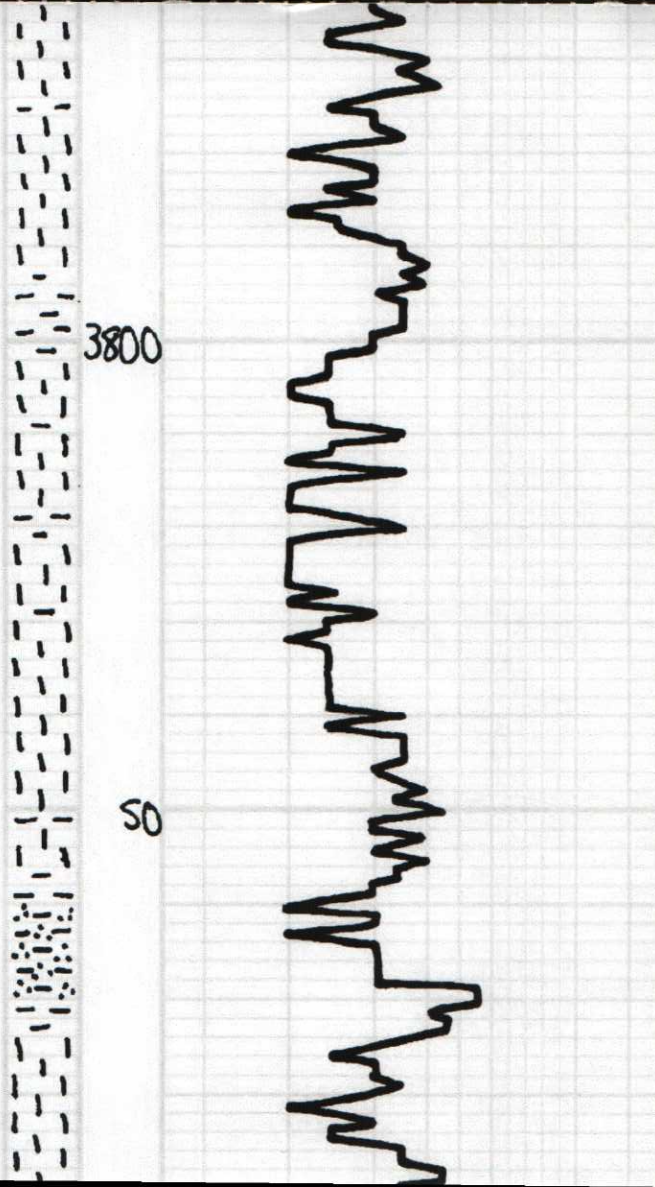
Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

LEGEND



LITHOLOGY	DEPTH	DRILLING TIME (Logarithmic Scale)	SAMPLE DESCRIPTIONS	REMARKS
	50			Geo on Loc. 3:00p.m. 9-15-2018
		Topeka		
		3744'-791		

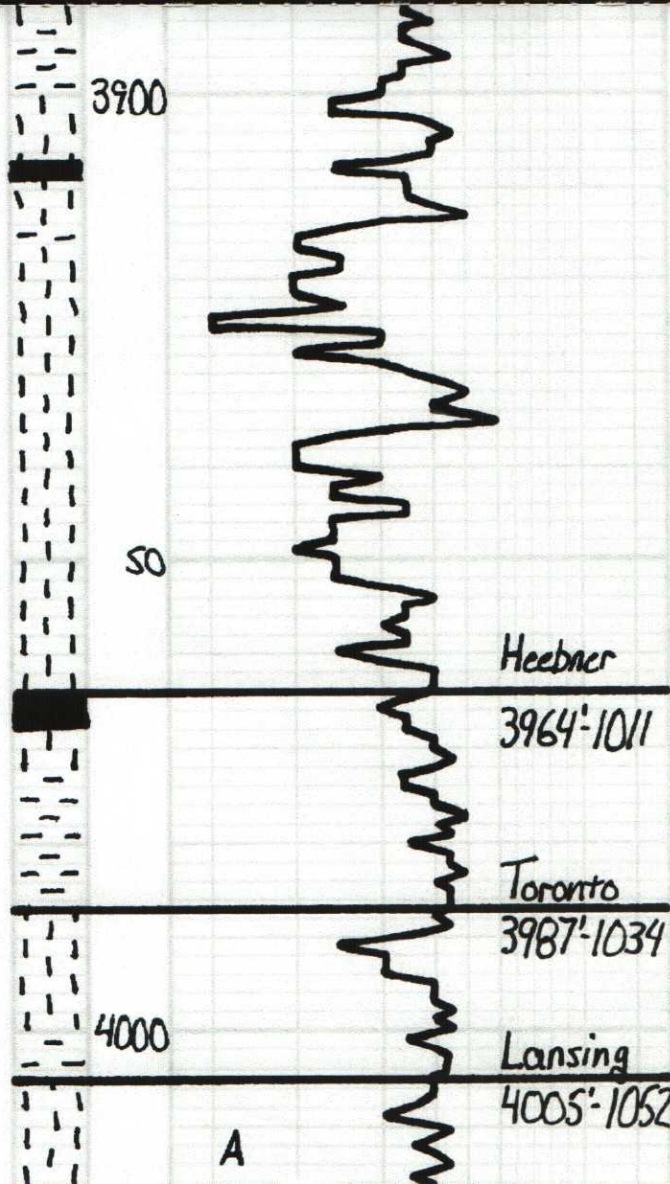


Sh- Dk Grey

Sh- Brn-Gr. Fm Grn Sil-stromatol

Sh- Gr- Brn

LS- Tan, Fm xls. Dol. w/ Brn
Fm Mic-ool. g. Brn
Fm Ls w/ Gil. Jcsite



Sh - Gry - Brn

Ls - Tan, Fx xln, DNS in Part

Sh - Dk Gry - Blk

Ls - Tan - Blk wh, Fx xln,
 ool. w/ Mik 7 gopn φ,
 few Kxs w/ G. Res.

Ls - ala, No Res

Ls - ala

Sh - Blk, Carb.

Sh - Gry - Brn - Grn

Ls - Tan, Fx xln, Ool. w/ Fx xln
 No Carb. Mostly barren, V. P. li
 flat floor.

Ls - Tan, Fx xln, Ool. w/ Poor
 oom φ, barren

B

LS-ala, Mostly DNS

C

13 LS- Tan, Fr x/2, Ool in Part
w/ Foss - Fair, sp. SPO. No Odor,
Sp. of St. Fl. Floor.

50

SH- Gray

D

LS- Tan- Offwh, Subwh.
Ool. in Part, DNS

LS- a/a

E

SH- Gray

F

LS- Tan, Subwh, Ool., DNS

4100 ⊙

LS- Offwh, Fr x/a, Ool. w/
Fair com q. Green

G

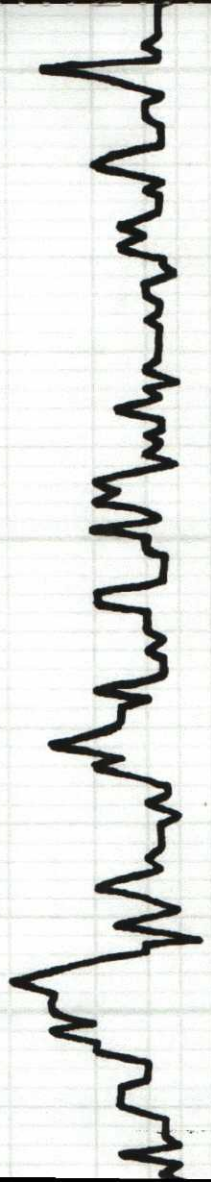
LS- ala, Mostly DNS

LS- Offwh- Tan, Subwh, Sh.
Ool., DNS



50
4200
50

G'
H
I
J
K



18 Sh - Blk, Carb.
Ls - Tan. Subsh., DNS

Sh - Gray - Brn

10 Ls - Tan. Subsh., Fair Resul
Poor. High oil content, Lt oil ST in pl,
NSFO, Mostly DNS

Sh - Blk

Sh - Brn - Gray

Ls - Tan - Off wh. Fin x/a

Sh - Gray - Brn

20 Ls - Tan, Fin x/a, Oil. w/ Poor.
Fair scot. open fl. Lt. Fair quat
oil st. ST. SFO. V. H. odor

6S Sh - Blk, Carb.

17S Ls - Off wh. Fin x/a, Oil. w/ Fair
oil in fl. Fair spot oil st. SFO
Strong odor, Fair vel fluid
H₂S & Tppm, Chalky in part

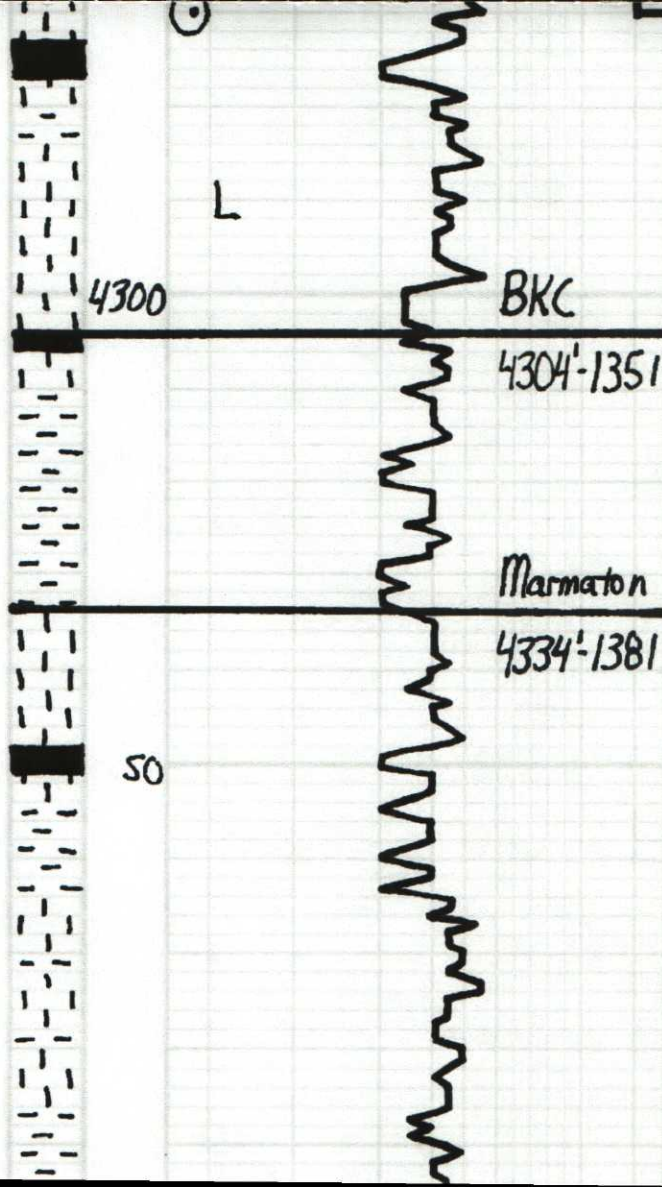
Ls - Tan - Off wh. Subsh., ST.
Oil., DNS

DST#1
4180' - 4270'
45° 25' 45° 25"
LKCI-K

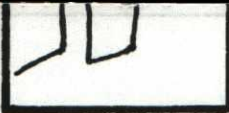
IH	2195#
IF	SG-180# BOG 23m
ISI	1199# Dead
FF	171-218# BOG 45m
FSI	1185# Dead
FH	2041#
BHT	120°F

Recovery:
176' Oil Spot MW
176' WCM
20% W
176' MW
50% W





70 Sh. Blk. Carb.



Ls. Tan. Subxln. DNS, Od. in part

Ls. Tan. Frxln. Od. w/ Poor
oom of Barron
Sh. Dk Gry

Sh. Gry. Gen. "Silty"

Sh. ala

Ls. Tan. Subxln. Sl. Od. in part, DNS

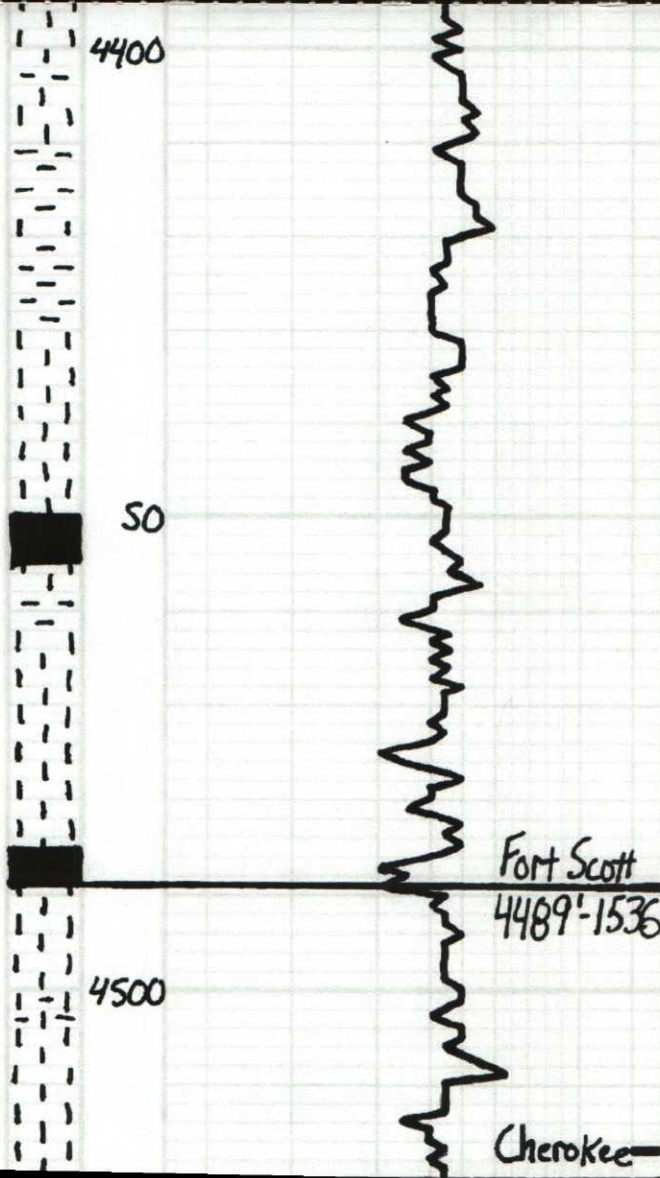
Sh. Dk Gry - Blk

Sh. Brn - Gry - Gen

Ls. Tan. Subxln. DNS

Ls. ala

Ls. ala



LS - Tan. Off. Lb. Substa.
DNS, Col. in Part

Sh - Gry - Brn

Sh - Brn - Gry

LS - Tan - Lt. Gry. Fr. Substa.
St. Col. in Part. Mostly DNS;

45 Sh - Blk, Carb.

LS - Tan. Substa. DNS, U.
2 - Whit - Gry - Blk

LS - o/a

Fort Scott 40 Sh - Blk Carb

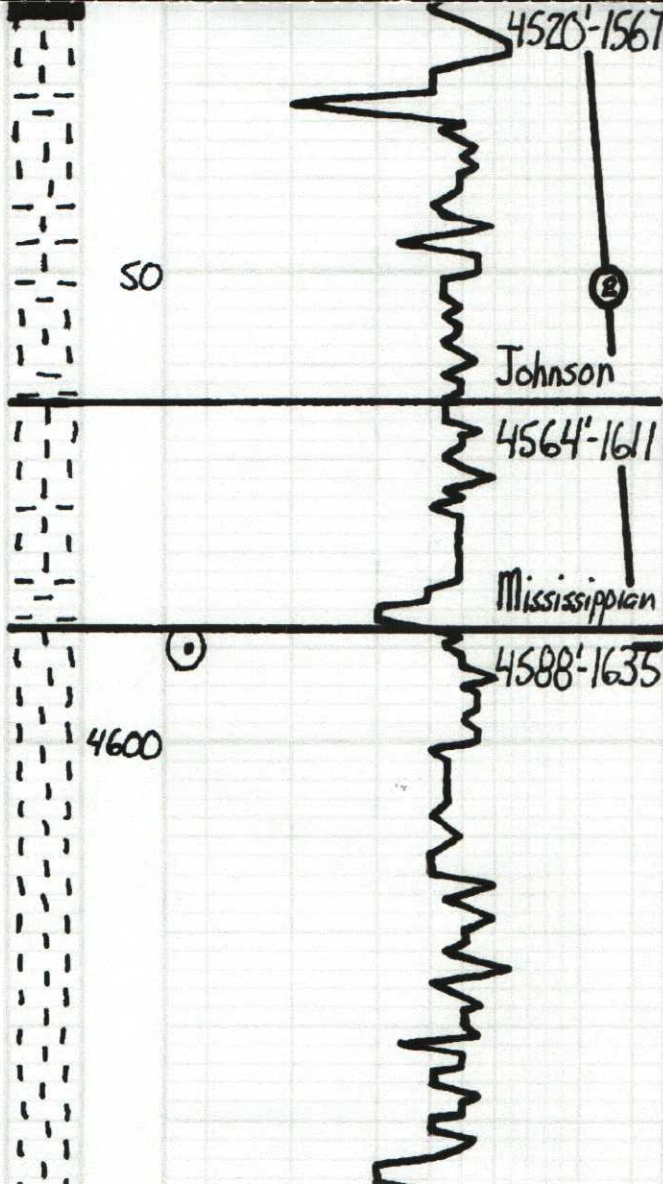
4489'-1536

LS - Tan - Gry. Substa. Col. in Part
DNS

LS - Tan - Lt. Gry. Substa. St.
2 - Whit - Gry

DST #2
Johnson
30°45'30"-45'
4517'-4590'

Cherokee



Sh - Dk, Lss.
 LS - Tan, Subsln. Col. PkST in Part, DNS

LS - Lt. Gray - Tan, Fin - Subsln w/ 1/2 Scot. Poor p. approx. 100% No V. in spot. No FO, No Oolite. Dull Fluorescents.

Sh - Dk Gray

● 25 LS - Offwh. Lt. Gray, Fin - Subsln w/ 1/2 Scot. Poor interbedded with fine gr. sil. sh. in it. No Oolite. Dull - Fair Yel Floor

Sh - Gr - Yel, Few Random Qtz Gr.

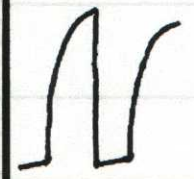
LS - Offwh, Fin - Subsln, Col. DNS

LS - Offwh, Fin yln, Col. w/ Poor comm p, barren

LS - a/a, DNS

LS - Offwh, Subsln, Col in Part, DNS

IN	24-42#
IF	Built to 24
ISI	1067#
	Dead
FF	47-57#
	Built to 1
FSI	995#
	Dead
FK	2219#
BHT	119°F
Recovery:	75' Mud



50



Total Depth
4669'-1716

Ls- a/a, Poor sect com d,
Barren

Ls- a/a

Respectfully,

Jason T. Hill
9-20-2018