

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) (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>

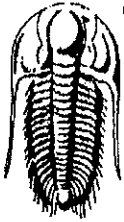
TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Jolen Operating Company
Well Name	SELLARD 1-22
Doc ID	1371110

All Electric Logs Run

Micro
Porosity
Dual Induction
Sonic
Mud
Resistivity





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Jolen Operating Co

**22-24S-22W Ford**

100 N Broadway Ste 2460  
Oklahoma City, OK 73102

**Sellard 1-22**

Job Ticket: 57842

DST#: 1

ATTN: Ken LeBlanc/Dennis P

Test Start: 2017.10.21 @ 20:32:02

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:21:47

Time Test Ended: 04:37:17

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: **5300.00 ft (KB) To 5330.00 ft (KB) (TVD)**

Reference Elevations: 2504.00 ft (KB)

Total Depth: 5330.00 ft (KB) (TVD)

2492.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

## Serial #: 6798

Press@RunDepth: 37.81 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.10.21

End Date: 2017.10.22

Last Calib.: 2017.10.22

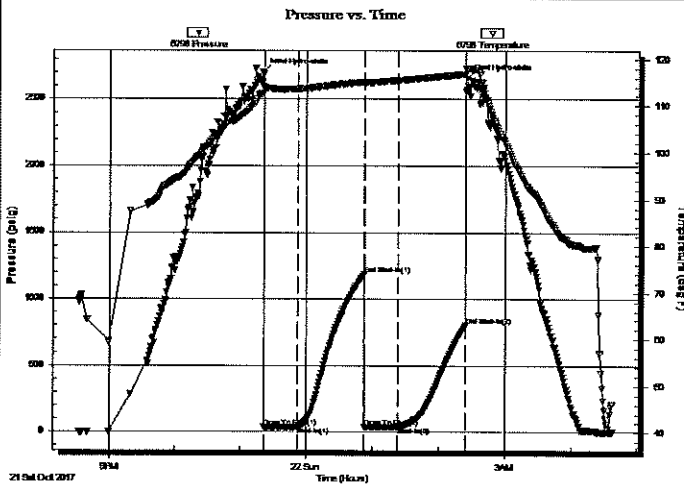
Start Time: 20:32:03

End Time: 04:37:17

Time On Btm: 2017.10.21 @ 23:20:32

Time Off Btm: 2017.10.22 @ 02:26:02

TEST COMMENT: IF: Weak 2 inch Blow, Died Off to 1 inch  
IS: No Blow Back  
FF: Weak Surface Blow  
FSI: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2697.59	112.63	Initial Hydro-static
2	35.90	113.62	Open To Flow (1)
32	37.38	113.58	Shut-In(1)
93	1186.02	115.12	End Shut-In(1)
93	36.49	114.92	Open To Flow (2)
123	37.81	115.49	Shut-In(2)
184	798.95	116.77	End Shut-In(2)
186	2656.32	117.93	Final Hydro-static

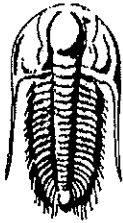
## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.28

## Gas Rates

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





**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Jolen Operating Co  
100 N Broadway Ste 2460  
Oklahoma City, OK 73102  
ATTN: Ken LeBlanc/Dennis P

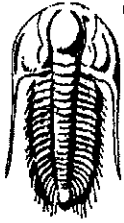
**22-24S-22W Ford**  
**Sellard 1-22**  
Job Ticket: 57842      **DST#: 1**  
Test Start: 2017.10.21 @ 20:32:02

**Tool Information**

Drill Pipe:	Length: 5294.00 ft	Diameter: 3.80 inches	Volume: 74.26 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 74.26 bbl</u>	Tool Chased 9.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	5300.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5279.00	
Hydraulic tool	5.00			5284.00	
Jars	5.00			5289.00	
Safety Joint	2.00			5291.00	
Packer	5.00			5296.00	26.00      Bottom Of Top Packer
Packer	4.00			5300.00	
Stubb	1.00			5301.00	
Recorder	0.00	8159	Inside	5301.00	
Recorder	0.00	6806	Outside	5301.00	
Perforations	26.00			5327.00	
Bullnose	3.00			5330.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Jolen Operating Co

**22-24S-22W Ford**

100 N Broadway Ste 2460  
Oklahoma City, OK 73102

**Sellard 1-22**

Job Ticket: 57842

**DST#: 1**

ATTN: Ken LeBlanc/Dennis P

Test Start: 2017.10.21 @ 20:32:02

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Mud	0.281

Total Length: 20.00 ft

Total Volume: 0.281 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

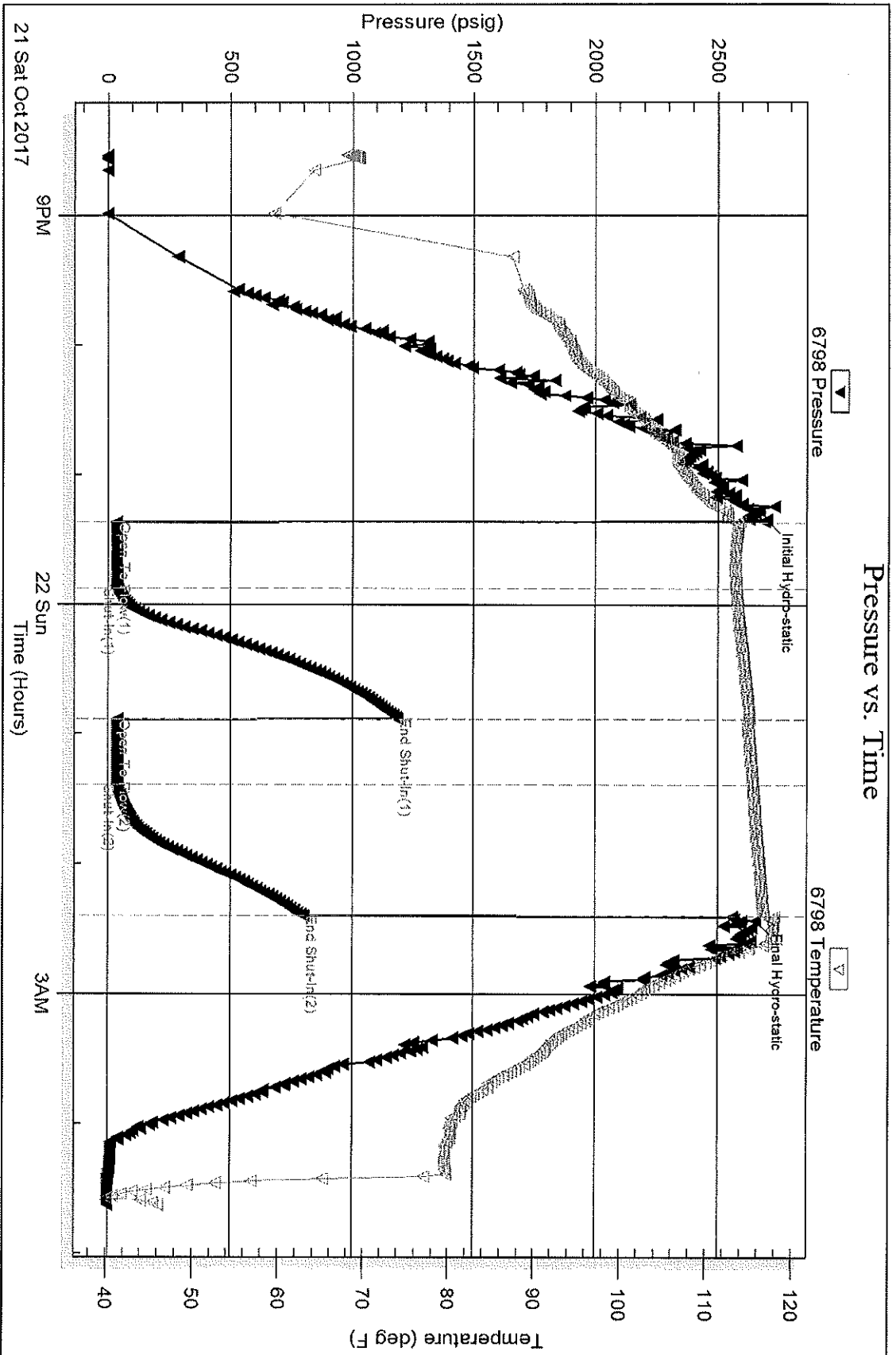


Serial #: 6798

Jolen Operating Co

Sellard 1-22

DST Test Number: 1

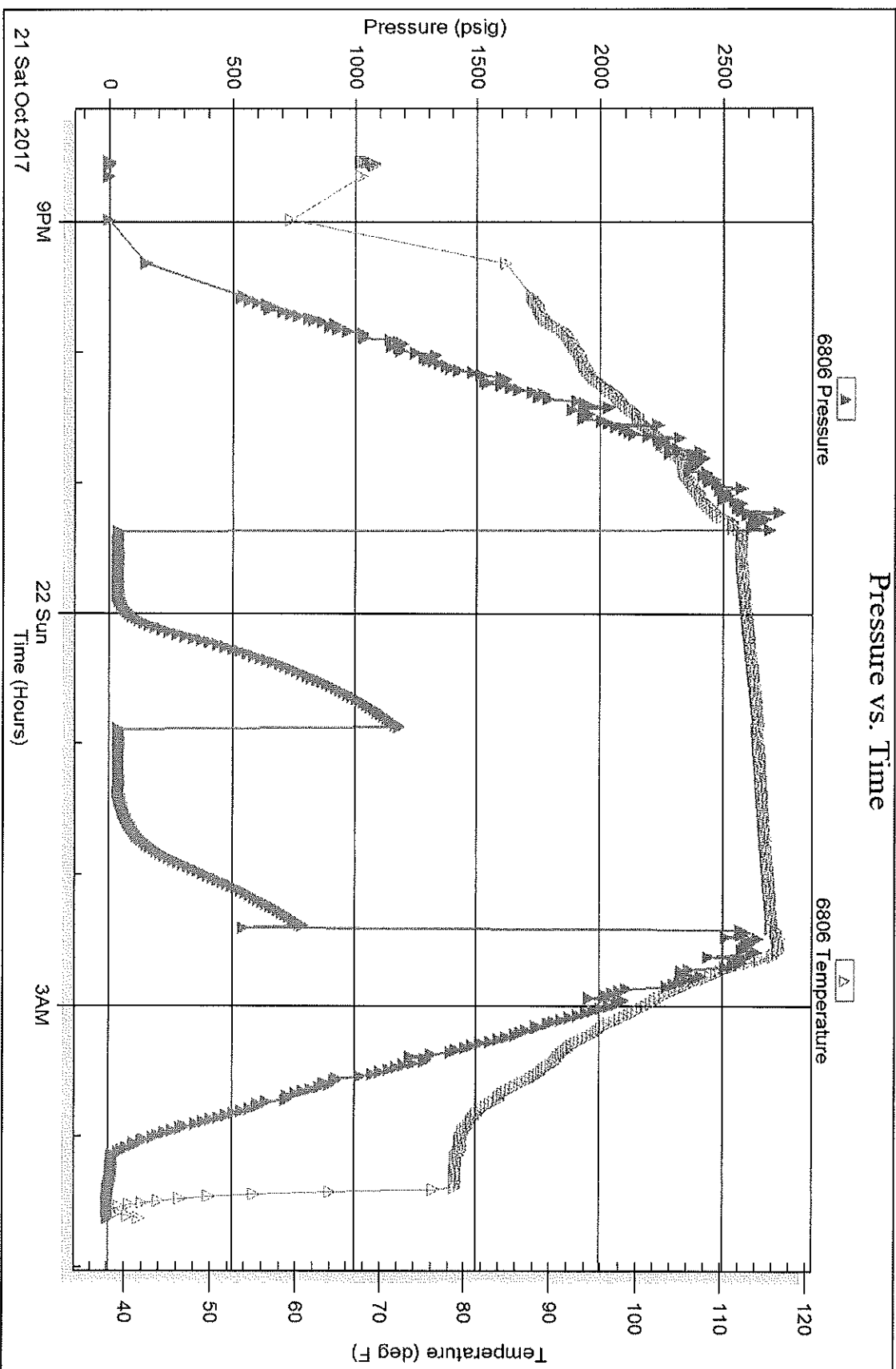


Serial #: 6806

Outside Jolen Operating Co

Sellard 1-22

DST Test Number: 1



Tribolite Testing, Inc

Ref. No: 57842

Printed: 2017.10.22 @ 07:46:53

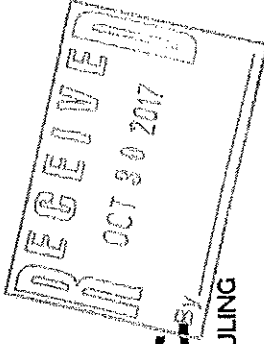












# DUKE DRILLING CO., INC.

CONTRACT DRILLING

OILFIELD HAULING

P.O. Box 823  
Great Bend, KS 67530-0823  
(620) 793-8366

100 South Main, Suite 410  
Wichita, KS 67202-3737  
(316) 267-1331

TO: Jolen Operating Company  
100 N. Broadway Ave. - Suite 2460

INVOICE NO. 17(10-12)

TERMS: NET 1/2 % Service Charge per month on unpaid balance.

FOR: Oklahoma City, OK 73102-8868  
Sellard #1-22  
NW NW NW Sec. 22-29S-22W  
Ford County, Kansas

DATE October 24, 2017

DATE	DESCRIPTION	DRILLING	AMOUNT
10-15-17	To Rotary Total Depth of 5430' Less 12' From Ground Level to 5418' @ \$11.50/ft		\$62,307.00
10-18	<u>DAYWORK</u> TOH to run 8-5/8" surface casing		
10-20	Rig up casing crew & Run 8-5/8"	1 Hr. 30 Min.	
10-21	Rig up cementers & CTCH	1 Hr.	
	Cement 8-5/8" surface casing	8 Hr. 30 Min.	
	Wait on cement	1 Hr. 15 Min.	
	Drill cement plug	1 Hr.	
	Circ. to cond. hole	1 Hr.	
	Circ. f/samples @ 5140'	1 Hr.	
	Circ. f/samples @ 5260'	1 Hr.	
	Circ. f/samples @ 5285'	1 Hr. 15 Min.	
	Circ. f/samples @ 5330'	1 Hr. 15 Min.	
	Short trip	1 Hr.	
10-21/10-22	Circ. to cond. hole	13 Hr. 15 Min.	
10-22	DST #1 (5300-5330')	1 Hr.	
	Circ. to cond. hole	1 Hr. 30 Min.	
	Circ. f/samples @ 5430'	3 Hr.	
	Trip out of hole f/log	5 Hr. 30 Min.	
10-22/10-23	Rig up loggers & log	2 Hr.	
10-23	Trip in hole after log	30 Min.	
	Circ. to cond. hole	3 Hr. 30 Min.	
	Lay down drillpipe & drillcollars	1 Hr. 30 Min.	
	Lay down kelly & Nipple down BOP	1 Hr.	
	TIH w/plugging stand	2 Hr.	
	Cement to plug well	2 Hr.	
	Clean pits (Rig released 1:30 AM)	2 Hr.	
	TOTAL DAYWORK: 56 Hr. 30 Min. @ \$325.00/hr		18,362.50
	Fuel Clause: 3499 gal. diesel @ (\$2.23 - \$1.00)		4,303.77
	Rig Move - Actual \$10,407.30		
	Less - Per Contract ( 8,500.00)		1,907.30
	TOTAL INVOICE:		\$86,880.57

Code 120  
Description \_\_\_\_\_  
Date \_\_\_\_\_  
Approved by [Signature]

Thank You







# Cement Job Summary

Job Number:	LIB171015100	Job Purpose	01 Surface	
Customer:	Jolen Operating Co		Date:	10/15/2017
Well Name:	Sellard	Number:	1-22	API/UWI:
County:	Ford	City:	State: Kansas	
Cust. Rep:	Dennis Pope	Phone:	Rig Phone:	
Legal Desc:			Rig Name:	
Distance	50 miles (one way)		Supervisor	James Peppin

Employees:	Emp. ID:	Employees:	Emp. ID:
James Peppin	#N/A	Alejandro Ayala	#N/A
Saul Lopez	#N/A		

Equipment:	
903-5 / 501	705-4 / 1081-5

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	12 1/4	100%	0	504	TAIL CEMENT	
OPEN HOLE	12 1/4			0	LEAD CEMENT	
OPEN HOLE	12 1/4					
OPEN HOLE	12 1/4					
Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	8 5/8	24	8.097	J-55	0	504
SHOE	8 5/8	24	8.097	J-55	462	504

Materials - Pumping Schedule						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	FRESH WATER	10	8.33	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	CLASS A COMMON	320	14.89	1.36	6.30	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	902.4	lbm	
CGEL	GEL - BENTONITE	1.88	% BWOC	601.6	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	80.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	Fresh Water	29.42180462	8.33	n/a	n/a	

Job Number:	LIB171015100	Job Purpose	01 Surface		
Customer:	Jolen Operating Co		Date:	10/15/2017	
Well Name:	Sellard	Number:	1-22	API/UWI:	
County:	Ford	City:	State: Kansas		
Cust. Rep:	Dennis Pope	Phone:	Rig Phone: 0		
Distance	50 miles (one way)		Supervisor	James Peppin	
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
2:00 AM					left the yard
400					arrived on loc





### *Cement Job Summary*

907					safety meeting
925	1000				test lines
927	90		10	5	pump h2o ahead
929	100		77	5	pump ctm @ 14.9 wt 320 sacks
953					shut down and drop plug
956	130		31	3.5	disp plug with h20
1006					didn't bump plug close the head in as per customer