

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](mailto: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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## DRILL STEM TEST REPORT

Prepared For: **Staab Oil Company**

1607 Hopewell RD.  
Hays, KS 67601

ATTN: Janel Staab

### **Haines #1**

### **7-8S-18W Rooks,KS**

Start Date: 2022.12.04 @ 16:17:00

End Date: 2022.12.04 @ 22:47:30

Job Ticket #: 69889                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.12.07 @ 15:13:31

Staab Oil Company  
7-8S-18W Rooks,KS  
Haines #1  
DST # 1  
Lower Topoka  
2022.12.04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Staab Oil Company

**7-8S-18W Rooks,KS**

1607 Hopewell RD.  
Hays, KS 67601

**Haines #1**

Job Ticket: 69889

**DST#: 1**

ATTN: Janel Staab

Test Start: 2022.12.04 @ 16:17:00

## GENERAL INFORMATION:

Formation: **Lower Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:30:45

Time Test Ended: 22:47:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

**Interval: 3091.00 ft (KB) To 3135.00 ft (KB) (TVD)**

Reference Elevations: 2006.00 ft (KB)

Total Depth: 3135.00 ft (KB) (TVD)

1998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**

Press@RunDepth: 25.98 psig @ 3092.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.12.04 End Date: 2022.12.04

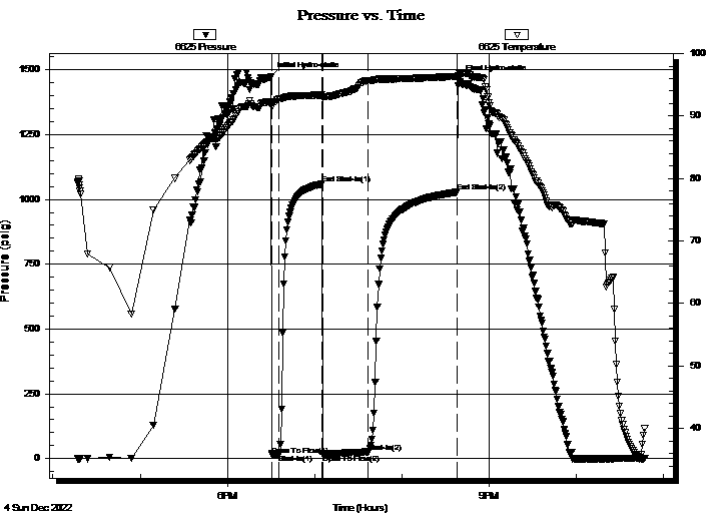
Last Calib.: 2022.12.04

Start Time: 16:17:05 End Time: 22:47:29

Time On Btm: 2022.12.04 @ 18:30:00

Time Off Btm: 2022.12.04 @ 20:39:30

**TEST COMMENT:** IF-5- Built to 1"  
SI1-30- No return  
FF-30- Built to 3 1/4"  
SI2-60- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1473.60	92.26	Initial Hydro-static
1	14.57	92.12	Open To Flow (1)
6	16.52	92.70	Shut-In(1)
35	1059.26	93.39	End Shut-In(1)
36	17.84	93.02	Open To Flow (2)
67	25.98	95.65	Shut-In(2)
129	1028.43	96.37	End Shut-In(2)
130	1464.28	96.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	oil 100%	0.03
28.00	VSOCM 2% oil 98% mud	0.39
0.00	33' GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Staab Oil Company

**7-8S-18W Rooks, KS**

1607 Hopewell RD.  
Hays, KS 67601

**Haines #1**

Job Ticket: 69889

**DST#: 1**

ATTN: Janel Staab

Test Start: 2022.12.04 @ 16:17:00

## Tool Information

Drill Pipe:	Length: 3096.00 ft	Diameter: 3.80 inches	Volume: 43.43 bbl	Tool Weight: 2400.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 43.43 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3091.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3066.00	
shut In Tool	5.00			3071.00	
hydraulic tool	5.00			3076.00	
EM Tool	3.00			3079.00	
safety Joint	3.00			3082.00	
Packer	5.00			3087.00	26.00 Bottom Of Top Packer
Packer	4.00			3091.00	
Stubb	1.00			3092.00	
Recorder	0.00	6625	Inside	3092.00	
Recorder	0.00	8167	Outside	3092.00	
perforations	6.00			3098.00	
change Over Sub	1.00			3099.00	
drill Pipe	31.00			3130.00	
change Over Sub	1.00			3131.00	
Bullnose	4.00			3135.00	44.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Staab Oil Company

**7-8S-18W Rooks,KS**

1607 Hopewell RD.  
Hays, KS 67601

**Haines #1**

Job Ticket: 69889

**DST#: 1**

ATTN: Janel Staab

Test Start: 2022.12.04 @ 16:17:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	oil 100%	0.028
28.00	VSOCM 2% oil 98% mud	0.393
0.00	33' GIP	0.000

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3# LCM

Serial #: 6625

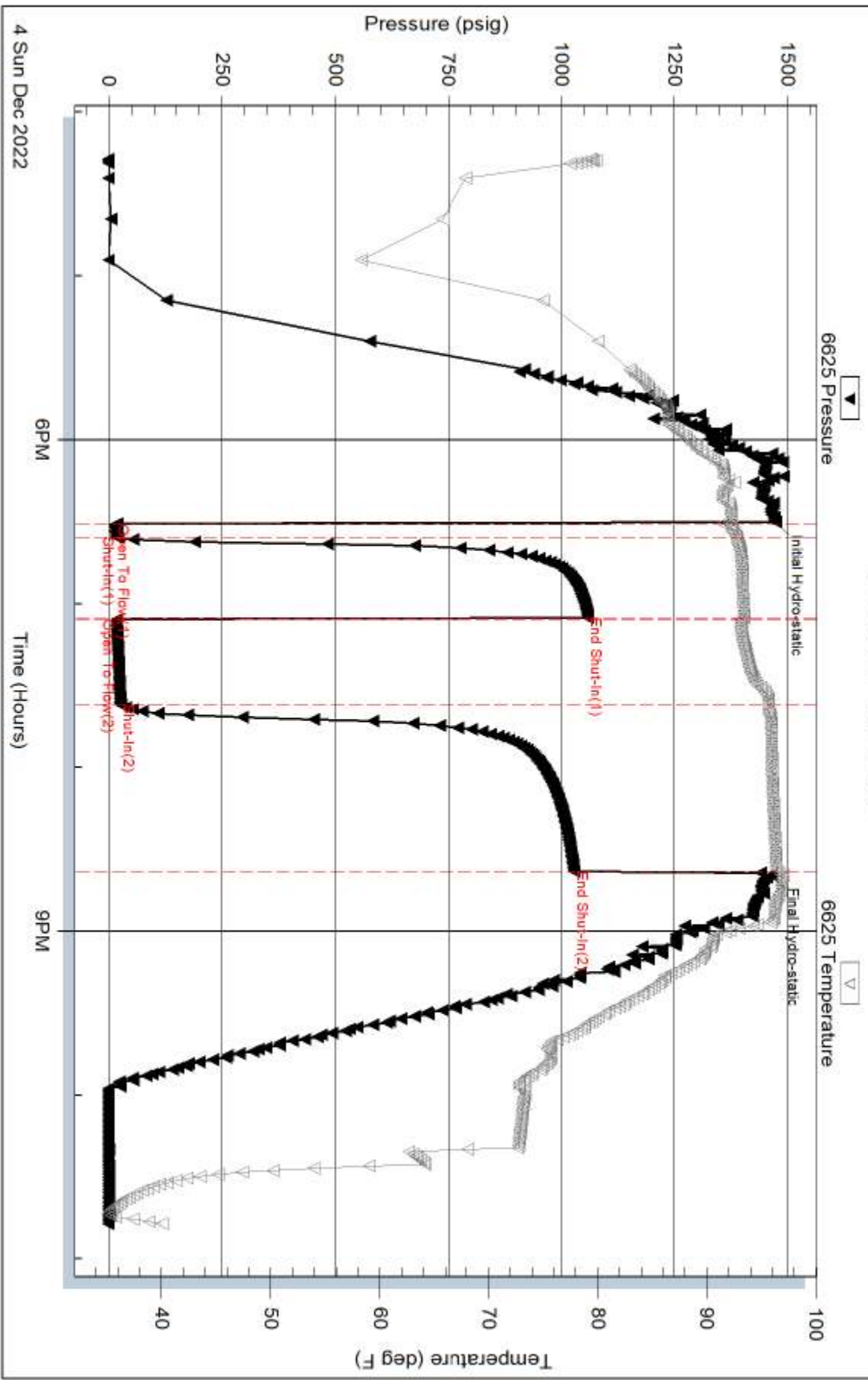
Inside

Staab Oil Company

Haines #1

DST Test Number: 1

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69889

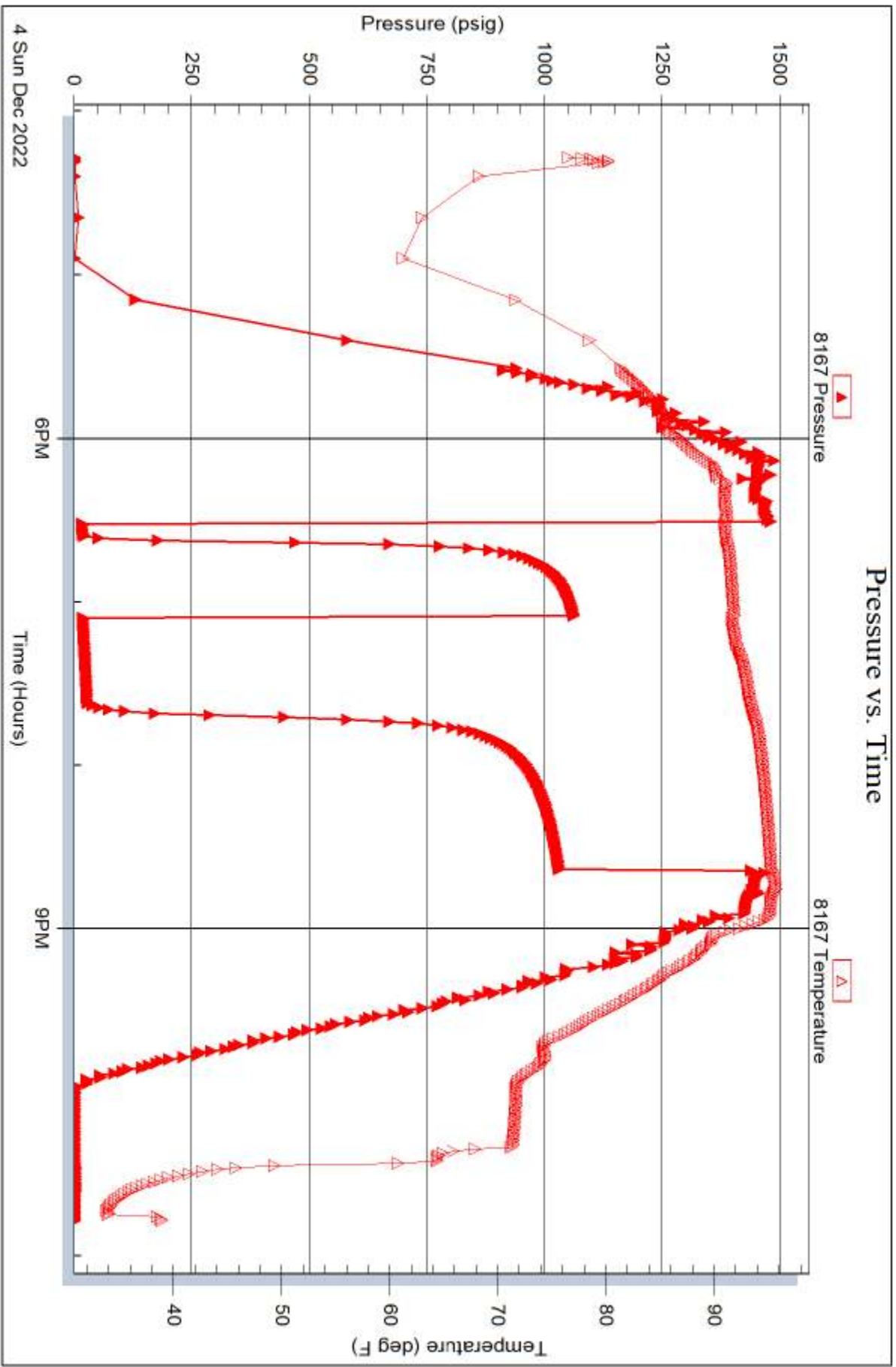
Printed: 2022.12.07 @ 15:13:31

Serial #: 8167

Outside Staab Oil Company

Haines #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69889

Printed: 2022.12.07 @ 15:13:32



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **69889**

Well Name & No. Haines #1 Test No. 1 Date 12/4/22  
 Company Staab Oil Co Elevation 2006 KB 1998 GL  
 Address 1607 Hopewell Rd. Hays, KS 67601  
 Co. Rep / Geo. Janel Staab Rig Discovery Rig #2  
 Location: Sec. 7 Twp 8S Rge. 18W Co. Rooks State KS

Interval Tested 3091-3195 Zone Tested Lower Topeka  
 Anchor Length 44 Drill Pipe Run 3091 Mud Wt. 8.8  
 Top Packer Depth 3086 Drill Collars Run 0 Vis 64  
 Bottom Packer Depth 3091 Wt. Pipe Run 9 WL 6.8  
 Total Depth 3195 Chlorides 1500 ppm System LCM 3#

Blow Description IF Built to 1"  
S14- No return  
FF Built to 3 1/4"  
S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>oil</u>		<u>100</u>		
<u>28</u>	<u>WSOCM</u>		<u>2</u>		<u>98</u>
	<u>33' GIP</u>				

Rec Total 30' BHT 97 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1474  Test 1800 T-On Location 15:40  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 16:17  
 (C) First Final Flow 17  Safety Joint \_\_\_\_\_ T-Open 18:31  
 (D) Initial Shut-In 1059  Circ Sub W/A T-Pulled 20:36  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 22:48  
 (F) Second Final Flow 26  Mileage 80 x 2 140+140 Comments loaded 12/5 @ 20:00  
 (G) Final Shut-In 1028  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1464  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_

Initial Open 5  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Sub Total 0  
 Sub Total 2080 Total 2080 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative DWA/Py

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.

# Janel Staab

Consulting Petroleum Geologist

2428 Toulon Ave  
 Hays, KS 67601  
 Phone: 785-625-4311  
 Call Phone: 785-635-1660  
 janel1969@gmail.com

## GEOLOGIST'S WELL REPORT

COMPANY: Andere Est Forece / Staab Oil Company (6057)

WELL: Haines #1  
 FIELD: Linkwood  
 LOCATION (legal): S.W. 1/4 SW 1/4, 1400 FSL, 1981 F.W.L.  
 Section: 7 TWP: 8S RGE: 18W  
 (Map) Reservoir: 183/18 - Skelton #8 - 9 1/4 miles North, CR.3  
 COUNTY: Rooks STATE: Kansas  
 ELEVATION: 2006' K.B., 1998' G.L.  
 A.P.I. NUMBER: 15-163-24473-00  
 GEOLOGY BY: Janel Staab

### PERTINENT WELL DATA

CONTRACTOR: Discovery Drilling  
 RIG #12: HDRAULICS  
 DRILL PIPE: COLLARS  
 CASINGS: SURFACE: 8 5/8" @ 221'  
 PRODUCTION: COMPANY: Mud Co./Service Mud, Inc.  
 DRILLING FLUID: TYPE: Chemical  
 REMARKS: Full Service  
 COMPANY: Tribolite Testing, Inc.  
 NUMBER OF TESTS: 1  
 ELECTRIC LOGS: COMPANY: Midwest Wireline  
 DETAIL (S): 2800' - 3465' TD  
 TYPE: Radiation Guarded log  
 DRILLING TIME FROM: 2875' TO: 3110'  
 SAMPLE TIME FROM: 2875' TO: R.T.D.  
 SUPERVISION FROM: 2875' TO: R.T.D.  
 VERTICAL DEVIATION:  
 PLUGGING REPORT:  
 RESERVE PIT:

### DAILY REPORT

DATE: 12-01-22 7 a.m. Depth  
 RIG ACTIVITY: R/L + S/L/D  
 12-01-22 0' Drilling below surface  
 12-03-22 311' Drilling ls sl + s/shst  
 12-04-22 2340' Drilling Topock ls  
 12-05-22 3465' Drilling LKC ls  
 12-06-22 3465' TD - Pluging

### DRILL STEM TESTS

NO	INTERVAL	ISPTIME	ISPTIME	ISPTIME	ISPTIME	ISPTIME	RECOVERY
1	15-17	10:51	18:24	10:58	14:74	21:01	
2	5	30	30	60	1:04	21:05cm	2% oil

### FORMATION TOPS & STRUCTURAL GEOLOGY

FORMATION	DEPTH	STRUCTURAL POSITION
Amalgite	1404'	1404'
Topock	1436'	1436'
Lebanon	2936'	2936'
Lebanon	3170'	3170'
LKC	3183'	3183'
Arkade	3192'	3192'
Arkade	3465'	3465'

### SUMMARY

Haines #1 in Rooks Co. was drilled starting Dec 1, 2022 and received TD Dec 5, 2022 using Discovery Drilling rig #12. 3-D Seismic had indicated a structural high compared to surrounding dry holes. Even though the hole ran high to these dry holes this was somewhat low to surrounding producers. Spans that were encountered were good in quality. Only one DST was run as a result. Rooks user flag throughout hole. TD was reached and a 6 1/2 log was run to support decision to plug location.

### DRILLING TIME (min/ft)

DEPTH	1/2	1	2	3	4	5	6	7	8	9	10	11	12
1500													
1400													
1300													
1200													
1100													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
3465	TD	

### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
3465	TD	

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3183	Arkade	
3192	Arkade	
3465	TD	

### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
3465	TD	

### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
3465	TD	

### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
3465	TD	

### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
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### LOG

DEPTH	LOG	REMARKS
1404	Amalgite top	
1436	Topock	
2936	Lebanon	
3170	LKC	
3183	Arkade	
3192	Arkade	
3465	TD	

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

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

No. 3313

Date	12-6-22	Sec.	7	Twp.	8	Range	18	County	ROOKS	State	KS	On Location		Finish	10:00 Am
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Location *Puille 4 w 9 1/2 N*

Lease	<i>HAINES</i>	Well No.	<i>1</i>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<i>Discovery</i>				Charge To <i>STANB OIL/AUDERE EST FACERE</i>
Type Job	<i>PTA</i>				
Hole Size	<i>7 3/8</i>	T.D.	<i>3465</i>	Street	
Csg.		Depth		City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	<i>2554 60/40 -4</i>
Cement Left in Csg.		Shoe Joint		<i>1/4 # FLO Seal</i>	

Meas Line		Displace		Common	
<b>EQUIPMENT</b>				<i>5.3</i>	
Pumptrk	<i>17</i>	No.	<i>Bill</i>	Poz. Mix	<i>102</i>
		Helper		Gel.	<i>9</i>
Bulktrk		No.	<i>JORDAN</i>	Calcium	
		Driver			
Bulktrk	<i>1</i>	No.	<i>ROSS</i>		
		Driver			

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole	<i>18 30</i>	Flowseal <i>50#</i>
Mouse Hole	<i>30 15</i>	Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<i>1450</i>	<i>50 lbs</i>	Handling <i>264</i>
<i>825</i>	<i>100 lbs</i>	Mileage
<i>275</i>	<i>50 lbs</i>	
<i>40</i>	<i>10 lbs</i>	

FLOAT EQUIPMENT		
		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		<i>plug - 18 3/8</i>
		Pumptrk Charge
		Mileage <i>43</i>
		Tax
		Discount
		Total Charge

X Signature 

*Thanks*

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

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

No.3308

Date	12-1-22	Sec.	7	Twp.	8	Range	18	County	ROCK	State	KS	On Location		Finish	8:15 PM
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Location Plainville 40 ROAD 13 9 1/2

Lease	HAINES	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	DISCOVERY				
Type Job	SURFACE				
Hole Size	12 1/4	T.D.	221	Charge To	STAAB OIL CO.
Csg.	8 5/8	Depth		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		Cement Amount Ordered	1500 80/20 3-2
Meas Line		Displace	13		

**EQUIPMENT**

Pumptrk	17	No.	Cementer	Bill	Common	120
			Helper		Poz. Mix	30
Bulktrk		No.	Driver	DICK	Gel.	3
			Driver		Calcium	6
Bulktrk	1	No.	Driver	ROSS		
			Driver			

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand

Set e 221  
Cement 1500  
pump plug w/ 13 bbls  
Cement DID CIRC

Handling	159
Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	43

*[Signature]*  
Signature

Thanks  
*[Signature]*

Tax	
Discount	
Total Charge	