

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	Farmer, John O., Inc.
Well Name	PRELLWITZ B 1
Doc ID	1672467

All Electric Logs Run

Compensated Density Neutron
Micro Resistivity
Dual Induction
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	PRELLWITZ B 1
Doc ID	1672467

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	2858	2864			
4	2874	2880			
4	2904	2910			
4	2946	2952			
4	3020	3026			
4	3038	3046			

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **6611**
 Foreman Kevin McCoy
 Camp EUREKA

API # 15-111-20560

Date	Cust. ID #	Lease & Well Number		Section	Township	Range	County	State
8-3-22	1277	Prellwitz B #1		15	16S	11E	LYON	Ks
Customer			Safety Meeting KM AM SF	Unit #	Driver	Unit #	Driver	
John O. Farmer Inc.				104	ALAN M.			
Mailing Address				114	SHANNON F.			
P.O. Box 352								
City	State	Zip Code						
Russell	Ks	67665						

Job Type SURFACE Hole Depth 265' K.B. Slurry Vol. 36 BBL Tubing _____
 Casing Depth 254.36' 6.6.L. Hole Size _____ Slurry Wt. 15" Drill Pipe _____
 Casing Size & Wt. 8 5/8" 23" Cement Left in Casing 20' Water Gal/SK _____ Other _____
 Displacement 15.5 BBL Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: SAFETY Meeting: Rig up to 8 5/8 CASING. BREAK CIRCULATION w/ 10 BBL Fresh water. Mixed 150 SKS CLASS "A" Cement w/ 3% CaCl2, 2% Gel, 1/4" FloSeal /SK @ 15"/GAL = 36 BBL SLURRY. Displace w/ 15.5 BBL Fresh water. Shut casing in. Good Cement Returns to SURFACE = 3 BBL SLURRY to Pit. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	950.00	950.00
C 107	60	Mileage	5.00	300.00
C 200	150 SKS	CLASS "A" Cement	18.55	2782.50
C 205	425 #	CaCl2 3%	.75 #	318.75
C 206	285 #	Gel 2%	.30 #	85.50
C 209	37 #	FloSeal 1/4" /SK	2.80 #	103.60
C 108B	7.05 TONS	Ton Mileage 60 miles	1.50	634.50
			Sub Total	5174.85
			Less 5%	271.08
			Sales Tax 7.5%	246.78
Authorization <u>By Duke Coulter</u> Title <u>Lighthouse Drlg Toolpusher</u>			Total	5,150.55

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **6623**
 Foreman Kevin McCoy
 Camp EUREKA

API 15-111-20560

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
8-9-22	1277	Prellwitz B #1	15	165	11E	Lyon	Ks	
Customer <u>John O. Farmer, Inc.</u>			Safety Meeting KM AM 5M		Unit #	Driver	Unit #	Driver
Mailing Address <u>P.O. Box 352</u>					104	Alan M.		
City <u>Russell</u>			State <u>Ks</u>		113	Steve M.		
Zip Code <u>67665</u>								

Job Type Longstring Hole Depth 3103' KB Slurry Vol. 41 BBL Tubing _____
 Casing Depth 3092.26' G.L. Hole Size 7 7/8" Slurry Wt. 13.8 # Drill Pipe _____
 Casing Size & Wt. 5 1/2 15.50 # Cement Left in Casing 42.26' 5J Water Gal/SK 9.0 Other _____
 Displacement 75 BBL Displacement PSI 900 Bump Plug to 1400 PSI BPM _____

Remarks: SAFETY Meeting: 5 1/2 15.50 # Casing Set @ 3092.26' G.L. Rig up to 5 1/2 casing. BREAK CIRCULATION w/ 12 BBL fresh water. Mixed 125 SKS THICK-Set Cement w/ 5 # KOL-SEAL /SK 1 # PHENOSEAL /SK @ 13.8 #/GAL yield 1.85 = 41 BBL SLURRY. WASH OUT PUMP & LINES. SHUT DOWN. Release Latch down Plug. Displace Plug to Seat w/ 75 BBL fresh water. (KOL in first 20 BBL) FINAL Pumping Pressure 900 PSI. Bump Plug to 1400 PSI. wait 2 mins. Release Pressure Float & Plug Held. Good Circulation while Cementing. Job Complete. Rig down.

Note: HAD WATTS TRUCK TRUCK HAUL City water FOR Cementing procedures.

RH 30SKS MH 20SKS
CENTRALIZERS ON #1, 3, 5, 7, 9, 11, 13 BASKET ON TOP OF #13

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1180.00	1180.00
C 107	60	Mileage	5.00	300.00
C 201	175 SKS	THICK-Set Cement	24.25	4243.75
C 207	875 #	KOL-SEAL 5 #/SK	.56 #	490.00
C 208	175 #	PHENOSEAL 1 #/SK	1.55 #	271.25
C 108 B	9.63 TONS	Ton Mileage 60 miles	1.50	866.70
C 421	1	5 1/2 Latch down Plug	285.00	285.00
C 691	1	5 1/2 Guide Shoe	207.00	207.00
C 674	1	5 1/2 AFU Float Collar w/ Latch down insert	423.00	423.00
C 604	1	5 1/2 Cement Basket	278.00	278.00
C 504	7	5 1/2 x 7 7/8 CENTRALIZERS	59.00	413.00
C 222	1.5 GAL	KOL (in first 20 BBL Displacement water)	32.00	48.00
C 781	1	5 1/2 Stop Ring	37.00	37.00
			Sub Total	9042.70
			Less 5%	-452.14
			Sales Tax	exempt
			Total	8590.56

THANK You
 — M —

7.5%

Authorization By Austin Klaus Title Geologist Total 8590.56

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



AUSTIN B. KLAUS



Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Prellwitz B #1
API: 15-111-20560-0000
Location: Lyon County
License Number: **Region:** Kansas
Spud Date: 08/02/2022 **Drilling Completed:** 08/09/2022
Surface Coordinates: Section 15, Township 16 South, Range 11 East
560' FSL & 2,815' FWL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 1,333 **K.B. Elevation (ft):** 1,345
Logged Interval (ft): 2,300 **To:** 3,099 **Total Depth (ft):** 3,101
Formation: Miss-Precambrian
Type of Drilling Fluid: Chemical (AJ's Services, LLC)

Printed by StripLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR


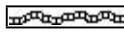
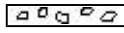


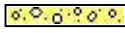




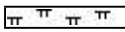


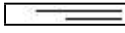
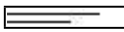

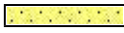
Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave.
Russell, KS 67665

Comments

The Prellwitz B #1 was drilled by Lighthouse Drilling Rig #2 (Tool Pusher: Duke Coulter). Mud services were provided by AJ's Services, LLC.

The location for the Prellwitz B #1 was discovered via 3D seismic survey. Rock samples were gathered and evaluated from 2,650' - 3,103'. Oil shows were encountered in the Hunton & Simpson formations. Structurally, the Hunton top was picked 8' low to the comparison well, Prellwitz #1 (John O. Farmer, Inc. - 2018). Structural thickening occurred in the Hunton and below, which resulted in the Simpson Sand picked 10' low to the comparison well. Two bottom-hole drill stem tests were conducted over the Hunton and Simpson Sand. These tests yielded negative results (see complete results below). After evaluation of all oil shows, DST results, and electric logs, it was decided that 5 1/2" casing be set on 8/09/2022 to utilize the Prellwitz B #1 as a salt-water disposal well.

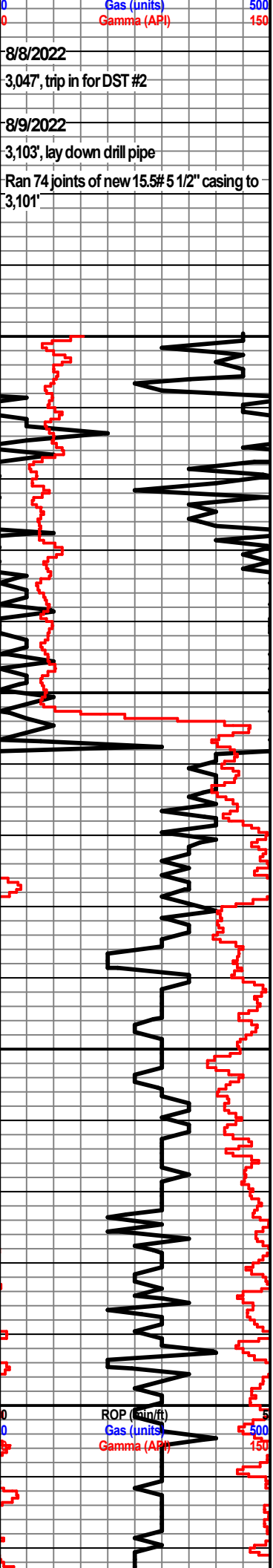
ROCK TYPES

 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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OTHER SYMBOLS

POROSITY <input type="checkbox"/> Earthy <input type="checkbox"/> Fenest <input type="checkbox"/> Fracture <input type="checkbox"/> Inter <input type="checkbox"/> Moldic <input type="checkbox"/> Organic <input type="checkbox"/> Pinpoint	<input checked="" type="checkbox"/> Vuggy SORTING <input type="checkbox"/> Well <input type="checkbox"/> Moderate <input type="checkbox"/> Poor	ROUNDING <input type="checkbox"/> Rounded <input type="checkbox"/> Subrnd <input type="checkbox"/> Subang <input type="checkbox"/> Angular OIL SHOW <input checked="" type="checkbox"/> Even	<input type="checkbox"/> Spotted <input type="checkbox"/> Ques <input type="checkbox"/> Dead INTERVAL <input type="checkbox"/> Core <input type="checkbox"/> Dst	EVENT <input type="checkbox"/> Rft <input type="checkbox"/> Sidewall
--	--	--	--	---

Curve Track 1 ROP (min/ft) ——— Gas (units) - - - - - Gamma (API) ———	MD	Lithology	Oil Shows	Geological Descriptions	DST/Mud/Survey																					
0 ROP (min/ft) 5 0 Gas (units) 500 0 Gamma (API) 150 Daily Progress: 8/2/2022 Move in and rig up 8/3/2022 Spud @ 9:30am 8/4/2022 265', drill cement 8/5/2022 2,043', drilling 8/6/2022 2,650, drilling 8/7/2022 2,867, DST #1 0 ROP (min/ft) 5	2550	Lithology	Oil Shows	<p><i>The open-hole logging was performed by Mr. Casey Patterson with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density Neutron, Dual Induction, and Microresistivity.</i></p> <p><i>Formation tops and datums from the open-hole logs include the following:</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Formation</th> <th>E-Log</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Miss</td> <td>2298</td> <td>-953</td> </tr> <tr> <td>Kinderhook</td> <td>2704</td> <td>-1359</td> </tr> <tr> <td>Hunton</td> <td>2857</td> <td>-1512</td> </tr> <tr> <td>Maq</td> <td></td> <td></td> </tr> <tr> <td>Viola</td> <td>2941</td> <td>-1596</td> </tr> <tr> <td>Simpson Sd</td> <td>3034</td> <td>-1689</td> </tr> </tbody> </table>	Formation	E-Log	Datum	Miss	2298	-953	Kinderhook	2704	-1359	Hunton	2857	-1512	Maq			Viola	2941	-1596	Simpson Sd	3034	-1689	<p>Mud Engineer: AJ's Services, LLC - Duke Coulter</p> <p>Tester: Trilobite Testing - Chris Hagman</p>
Formation	E-Log	Datum																								
Miss	2298	-953																								
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Viola	2941	-1596																								
Simpson Sd	3034	-1689																								



Granite	3079	-1734
LTD	3101	-1756

2650
2700
2750
2800

Dolo: off wh-lt gry, fn-sub xln, DNS, scat sh: lt-drk gry

Dolo: gry, fn xln, poor int xln porosity, scat sh: drk gry

Dolo: drk gry-bm, fn-sub xln, DNS

Kinderhook 2708' (-1363)

Sh: lt-drk gry

Sh: lt gry, scat soft, sltst

Sh: lt-drk gry, scat sltst

Sh: ala

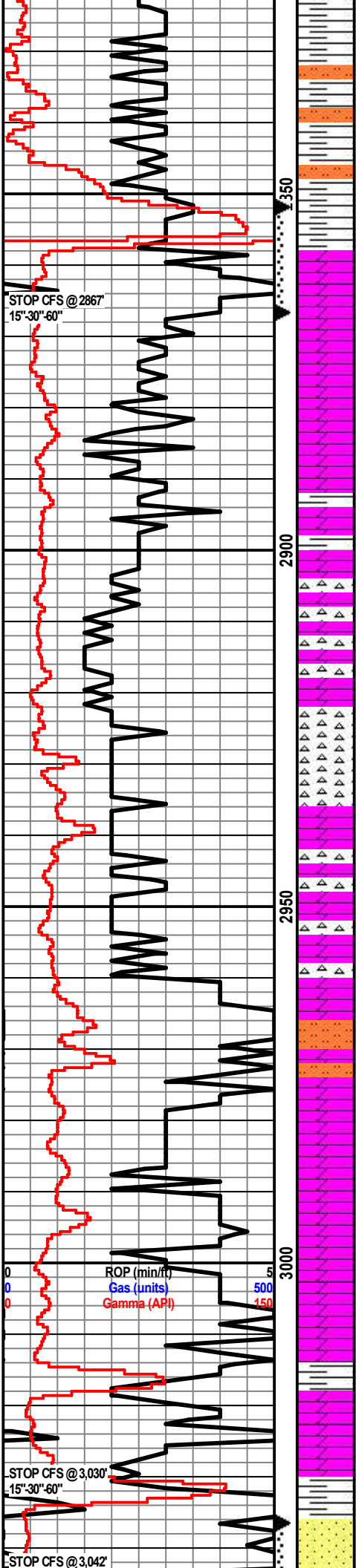
Sh: drk gry-blk

Sh: lt-drk gry, scat sltst

Sh: ala

Wt: 9.2
Vis: 34

Wt: 9.3
Vis: 51



Sh: lt-drk gry, scat sltst

Hunton 2858' (-1513)

Dolo: wht, fn-md xln, rhomb, fair-good int xln porosity, hvy tarry oil glbs

Dolo: off wh-lt gry, fn-md xln, fair-good int xln porosity, scat sh: drk gry, scat pyrite

Dolo: lt gry, fn-md xln, good int xln porosity, scat hvy tarry oil glbs, chalky

Dolo: off wh-lt gry, fn xln, fair-good int xln porosity, mostly barren

Dolo: off wh-lt gry, fn xln, poor-fair int xln porosity, barren, scat sh: drk gry

Dolo: lt gry-bm, fn-sub xln, DNS, barren, scat trip chert

Dolo: ala

Chert: off wh-lt gry, blk strks, scat dolo: off wh-lt gry, DNS

Viola 2942' (-1597)

Dolo: lt-drk gry, fn xln, fair int xln porosity, barren, scat chert-off wh

Dolo: tan-bm, fn xln, fair int xln porosity, barren, scat chert-off wh, trip, scat snd

Dolo: tan-bm, fn xln, poor int xln & scat int part porosity, barren, scat sltst

Dolo: tan-drk bm, fn xln, scat int xln porosity, NSFO

Dolo: tan-bm, fn xln, fair-scat int xln porosity, barren, scat sltst

Dolo: ala

Sh: drk gry

Simpson Dolo 3025' (-1680)

Dolo: tan-bm, fn-md xln, fair-scat fair int xln porosity, FSFO glb, fair-good odor, scat chert-off wh, sndy in vry btm

Sh: lt-drk gry

Simpson Sand 3041' (-1696)

Ss: qtz, off wh-clr, fn-md gm, poor-fairly sorted, well md,

DST #1 2,852-2,867' Hunton

15"-30"-10" 30"

IF: BOB in 12 minutes, no blow back on shut in

FF: BOB in 8 minutes, no blow back on shut in

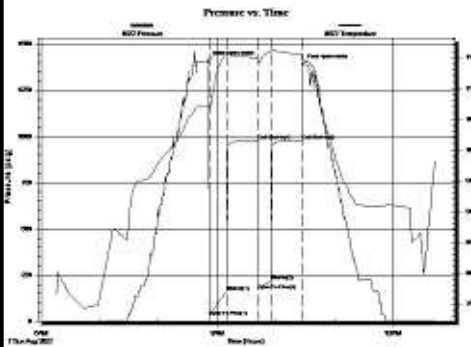
Rec: 450' Muddy Water (5%M, 95%W) Chl. 13K

FP: 30-163, 171-218#

SIP: 979-981#

HP: 1,410-1,394#

BHT: 115



DST #2 3,037-3,047' Simpson Sand

30"-30"-10"-30"

IF: weak blow died in 8 minutes

FF: no blow

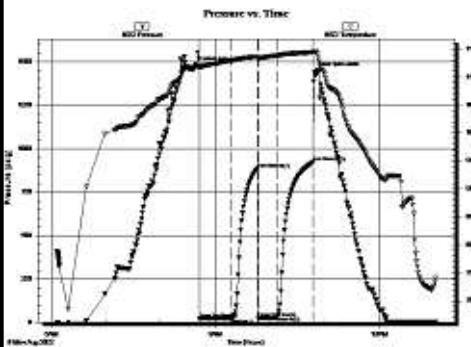
Rec: 5' Oil Spotted Mud (1%O, 99%M)

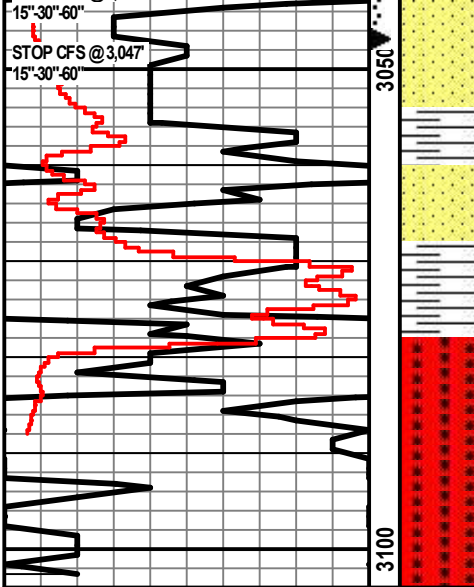
FP: 23-24, 25-33#

SIP: 883-921#

HP: 1,470-,1441#

BHT: 115





friable in few pcs, fair-good int gm porosity, F-GSFO glb, good odor

Ss: qtz, off wh, fn-vry fn gm, fairly well sorted, fair md, few pcs friable, fair int gm porosity, NSFO

Sh: lt-drk gry, scat bm

Granite 3076' (-1731)

Qtz: clr-rd, vry dns, ang



Wt: 9.3
Vis: 61



DRILL STEM TEST REPORT

Prepared For: **Farmer, John O., Inc.**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Prellwitz B #1

15-16s-11w Lyon,KS

Start Date: 2022.08.07 @ 06:16:00

End Date: 2022.08.07 @ 12:44:02

Job Ticket #: 68917 DST #: 1

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

Printed: 2022.08.11 @ 11:54:32



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68917

DST#: 1

ATTN: Austin Klaus

Test Start: 2022.08.07 @ 06:16:00

GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:02

Time Test Ended: 12:44:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 2852.00 ft (KB) To 2867.00 ft (KB) (TVD)

Reference Elevations: 1344.00 ft (KB)

Total Depth: 2867.00 ft (KB) (TVD)

1333.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8672 Inside

Press@RunDepth: 218.45 psig @ 2854.00 ft (KB)

Capacity: psig

Start Date: 2022.08.07 End Date: 2022.08.07

Last Calib.: 2022.08.07

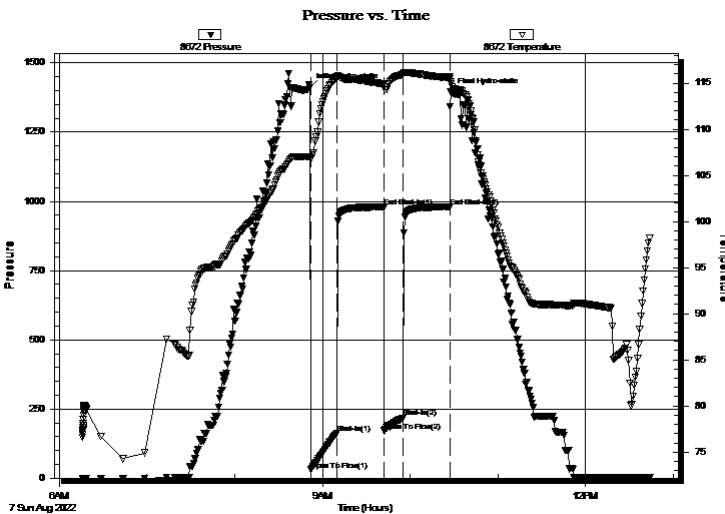
Start Time: 06:16:01 End Time: 12:44:02

Time On Btm: 2022.08.07 @ 08:51:17

Time Off Btm: 2022.08.07 @ 10:27:47

TEST COMMENT: IF: 15 min., BOB 12 min., strong building blow , 19.5 inches
IS: 30 min., no blow back
FF: 10 min., BOB 8 min., strong building blow , 14.5 inches
FS: 30 min., no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1409.96	107.03	Initial Hydro-static
1	29.68	106.70	Open To Flow (1)
19	162.60	115.61	Shut-In(1)
51	978.91	114.85	End Shut-In(1)
51	171.27	114.59	Open To Flow (2)
64	218.45	115.99	Shut-In(2)
96	980.54	115.52	End Shut-In(2)
97	1394.15	115.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	muddy water 5%M, 95%W	3.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68917

DST#: 1

ATTN: Austin Klaus

Test Start: 2022.08.07 @ 06:16:00

GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:02

Time Test Ended: 12:44:02

Interval: **2852.00 ft (KB) To 2867.00 ft (KB) (TVD)**

Total Depth: 2867.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Reference Elevations: 1344.00 ft (KB)

1333.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 2854.00 ft (KB)

Capacity: psig

Start Date: 2022.08.07

End Date: 2022.08.07

Last Calib.: 1899.12.30

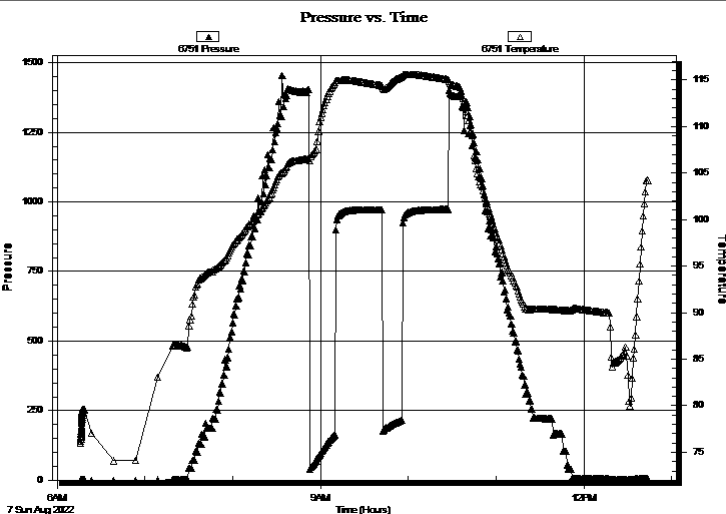
Start Time: 06:16:01

End Time: 12:44:02

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 15 min., BOB 12 min., strong building blow , 19.5 inches
IS: 30 min., no blow back
FF: 10 min., BOB 8 min., strong building blow , 14.5 inches
FS: 30 min., no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
450.00	muddy water 5%M, 95%W	3.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68917

DST#: 1

ATTN: Austin Klaus

Test Start: 2022.08.07 @ 06:16:00

Tool Information

Drill Pipe:	Length: 2499.00 ft	Diameter: 3.80 inches	Volume: 35.05 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 36.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2852.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2832.00	
Hydraulic tool	5.00			2837.00	
Isolator Sub	3.00			2840.00	
Safety Joint	3.00			2843.00	
Packer	5.00			2848.00	25.00 Bottom Of Top Packer
Packer	4.00			2852.00	
Stubb	1.00			2853.00	
Perforations	1.00			2854.00	
Recorder	0.00	8672	Inside	2854.00	
Recorder	0.00	6751	Outside	2854.00	
Pickup sub perf	5.00			2859.00	
Perforations	5.00			2864.00	
Bullnose	3.00			2867.00	15.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68917

DST#: 1

ATTN: Austin Klaus

Test Start: 2022.08.07 @ 06:16:00

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:

13000 ppm

Viscosity: 34.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	muddy water 5%M, 95%W	3.033

Total Length: 450.00 ft Total Volume: 3.033 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

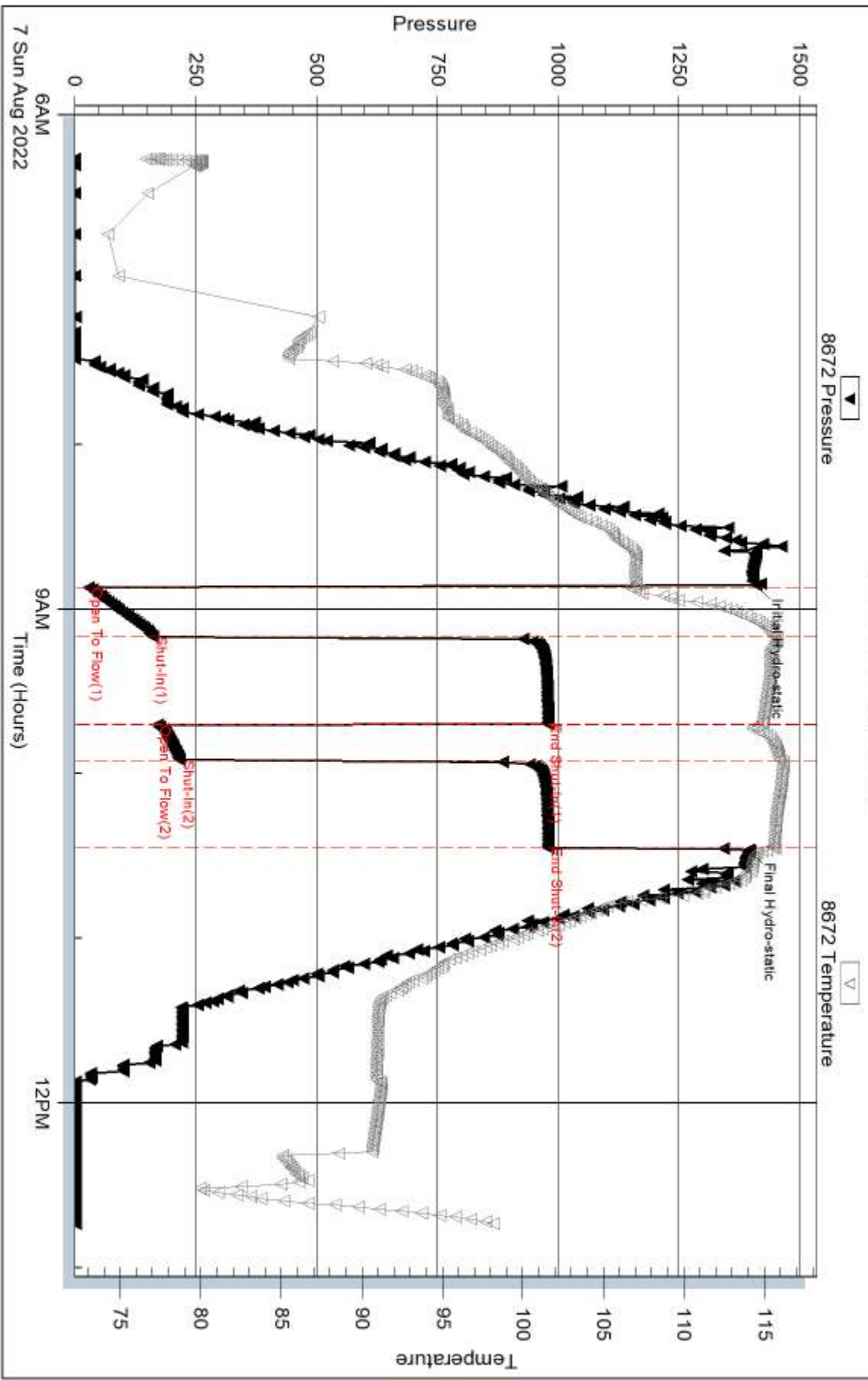
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.403@83F=13000ppm

Pressure vs. Time

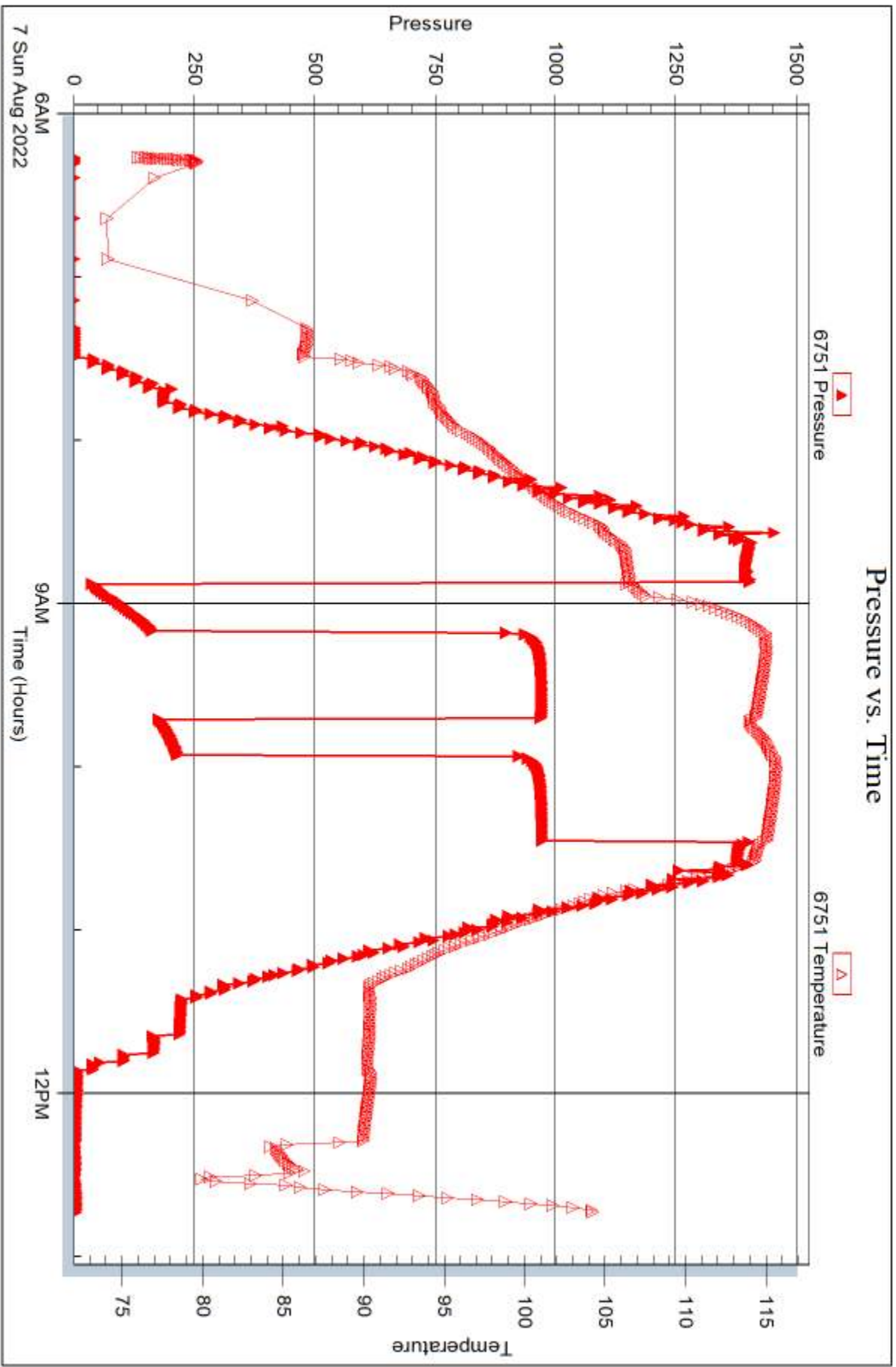


Serial #: 6751

Outside Farmer, John O., Inc.

Pelawitz B #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68917

Printed: 2022.08.11 @ 11:54:33



DRILL STEM TEST REPORT

Prepared For: **Farmer, John O., Inc.**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Prellwitz B #1

15-16s-11w Lyon,KS

Start Date: 2022.08.08 @ 06:06:00

End Date: 2022.08.08 @ 13:02:02

Job Ticket #: 68918 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.11 @ 11:50:07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68918

DST#: 2

ATTN: Austin Klaus

Test Start: 2022.08.08 @ 06:06:00

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:42:32

Time Test Ended: 13:02:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3037.00 ft (KB) To 3047.00 ft (KB) (TVD)

Reference Elevations: 1344.00 ft (KB)

Total Depth: 3047.00 ft (KB) (TVD)

1333.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8672 Inside

Press@RunDepth: 33.03 psig @ 3039.00 ft (KB)

Capacity: psig

Start Date: 2022.08.08

End Date:

2022.08.08

Last Calib.:

2022.08.08

Start Time: 06:06:01

End Time:

13:02:02

Time On Btm:

2022.08.08 @ 08:40:32

Time Off Btm:

2022.08.08 @ 10:49:02

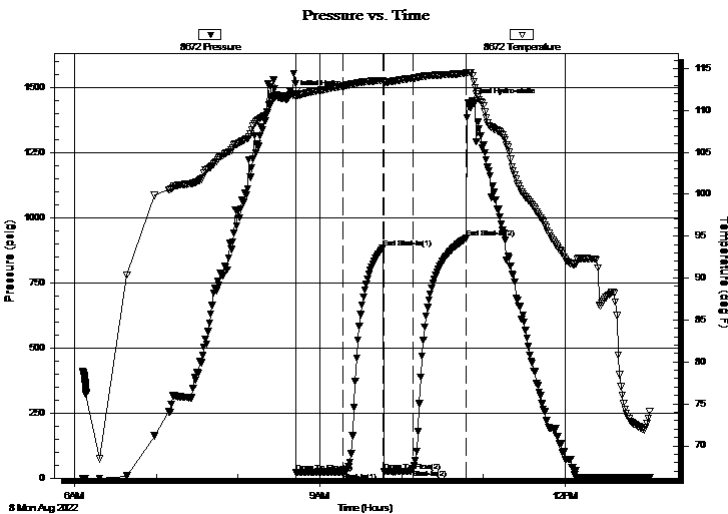
TEST COMMENT: IF: 30 min., weak surface blow, died 8 min.

IS: 30 min., no blow back

FF: 10 min., no blow

FS: 30 min., no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1470.38	111.97	Initial Hydro-static
2	22.55	111.68	Open To Flow (1)
37	24.07	112.88	Shut-In(1)
66	882.89	113.55	End Shut-In(1)
67	24.61	113.38	Open To Flow (2)
88	33.03	113.80	Shut-In(2)
127	920.73	114.44	End Shut-In(2)
129	1441.41	114.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	oil spotted mud 1%O, 99%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68918

DST#: 2

ATTN: Austin Klaus

Test Start: 2022.08.08 @ 06:06:00

Tool Information

Drill Pipe:	Length: 2659.00 ft	Diameter: 3.80 inches	Volume: 37.30 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume:</u> 39.07 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	3037.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3017.00	
Hydraulic tool	5.00			3022.00	
Isolator Sub	3.00			3025.00	
Safety Joint	3.00			3028.00	
Packer	5.00			3033.00	25.00 Bottom Of Top Packer
Packer	4.00			3037.00	
Stubb	1.00			3038.00	
Perforations	1.00			3039.00	
Recorder	0.00	8672	Inside	3039.00	
Recorder	0.00	6751	Outside	3039.00	
Pickup sub perf	5.00			3044.00	
Bullnose	3.00			3047.00	10.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Farmer, John O., Inc.

15-16s-11w Lyon,KS

PO Box 352
Russell, KS 67665

Prellwitz B #1

Job Ticket: 68918

DST#: 2

ATTN: Austin Klaus

Test Start: 2022.08.08 @ 06:06:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	oil spotted mud 1%O, 99%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

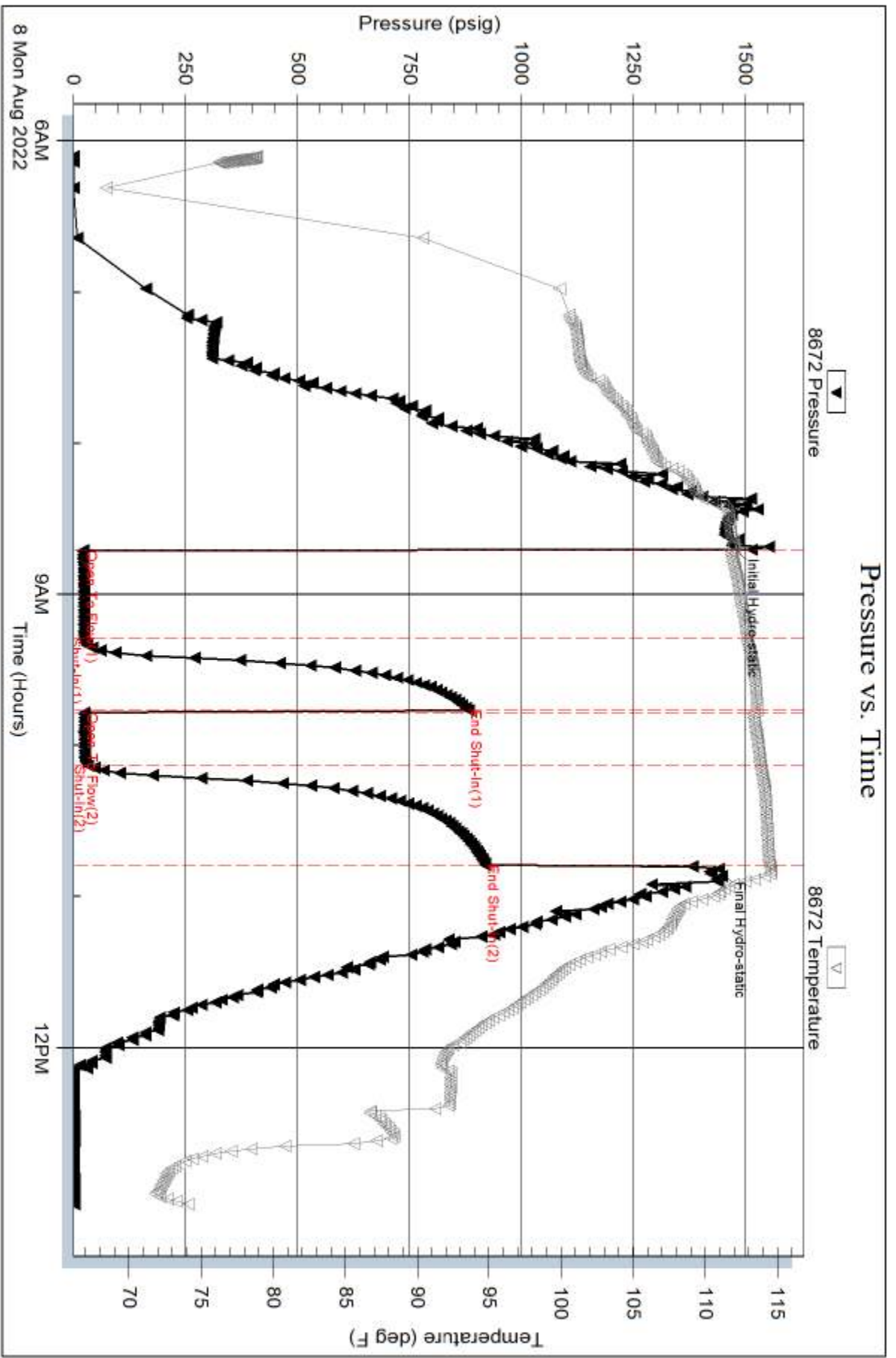
Serial #: 8672

Inside

Farmer, John O., Inc.

Pelawitz B #1

DST Test Number: 2

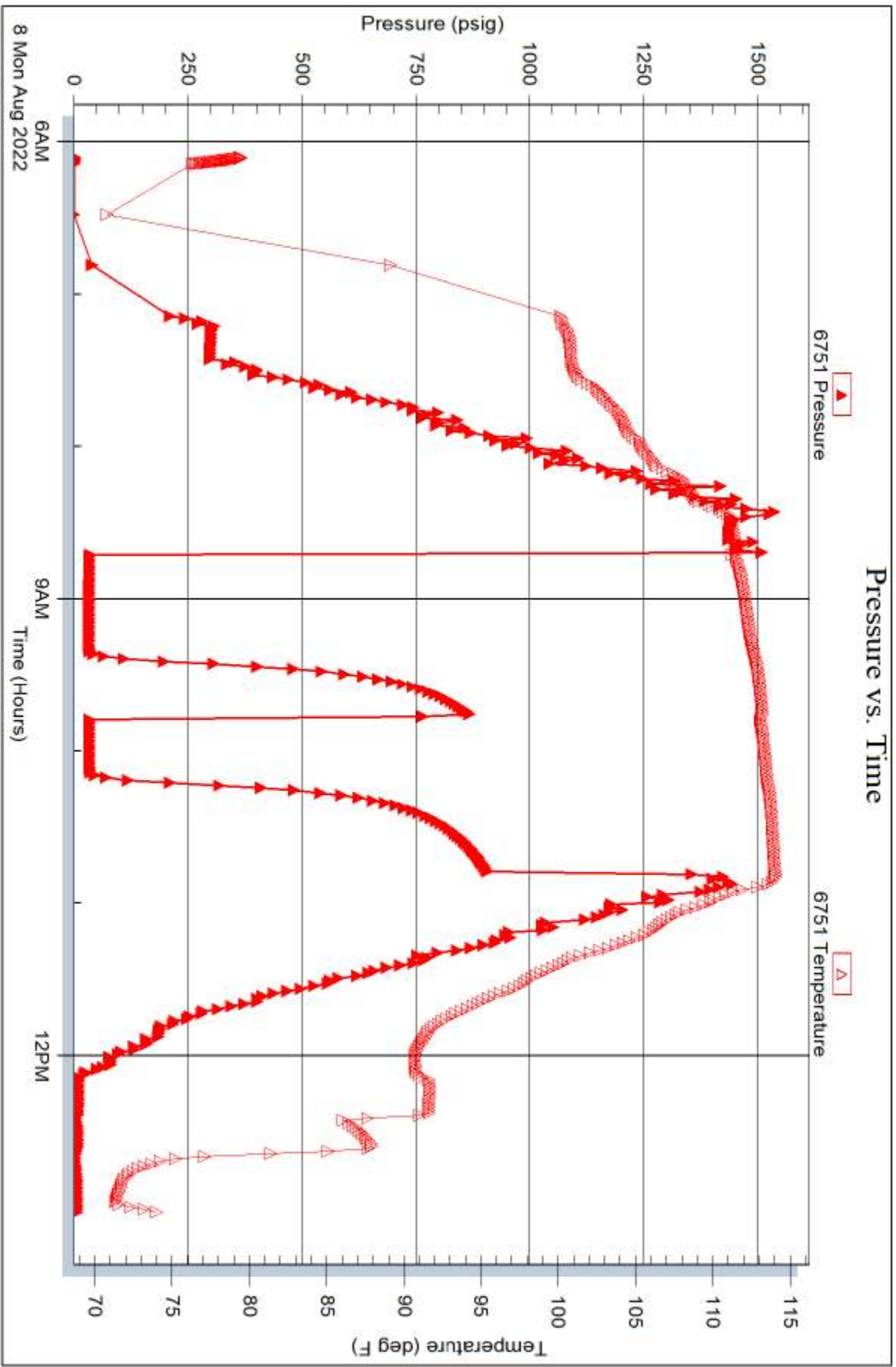


Serial #: 6751

Outside Farmer, John O., Inc.

Pelawitz B #1

DST Test Number: 2





TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68917

Well Name & No. Prellwitz B-1 Test No. 1 Date 8-7-72
 Company Farmer, John O., Inc. Elevation 1344 KB 1333 GL
 Address PO Box 352 Russell, KS 67665
 Co. Rep / Geo. Austin Klaus Rig Lighthouse #2
 Location: Sec. 15 Twp 16 Rge. 11 Co. Lyon State KS

Interval Tested 2852-2867 Zone Tested Hunter
 Anchor Length 15 Drill Pipe Run 2499 Mud Wt. 9.2
 Top Packer Depth 2847 Drill Collars Run 360 Vis 34
 Bottom Packer Depth 2852 Wt. Pipe Run N.A. WL 12.0
 Total Depth 2867 Chlorides 800 ppm System LCM 0

Blow Description IF: 15 min, BOB 12 min, strong building blow, 19.5 inches
1st: 30 min, no blow back
FF: 10 min, BOB 8 min, strong building blow, 14.5 inches
FSB: 30 min, no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>450</u>	<u>muddy water</u>			<u>95</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 450 BHT 116 Gravity _____ API RW 403 @ 83 °F Chlorides 13000 ppm

(A) Initial Hydrostatic 1410 Test conv. 1800 T-On Location 0530
 (B) First Initial Flow 30 Jars _____ T-Started 0630
 (C) First Final Flow 163 Safety Joint _____ T-Open 0900
 (D) Initial Shut-In 979 Circ Sub _____ T-Pulled 1025
 (E) Second Initial Flow 171 Hourly Standby _____ T-Out 1230
 (F) Second Final Flow 218 Mileage 350 (cont) 525 Comments _____
 (G) Final Shut-In 981 Sampler _____
 (H) Final Hydrostatic 1394 Straddle _____ EM Tool good -175

Initial Open 15 Extra Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Recorder _____ Ruined Packer _____
 Final Flow 10 Day Standby _____ Sub Total -175
 Final Shut-In 30 Accessibility _____ Total 2400
 Sub Total 2575 MP/DST Disc't _____

Approved By _____ Our Representative Chris Hagan

Tribolite 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. 68918

Well Name & No. Prellwitz B-1 Test No. 2 Date 8-8-72
 Company Kramer, John O, Inc. Elevation 1344 KB 1333 GL
 Address P.O. Box 352 Russell, KS 67665
 Co. Rep / Geo. Austin Klawns Rig Lighthouse #2
 Location: Sec. 15 Twp 16 Rge. 11 Co. Lyon State KS

Interval Tested 3037-3047 Zone Tested Simpson Sch.
 Anchor Length 10' Drill Pipe Run 2659 Mud Wt. 9.3
 Top Packer Depth 3032 Drill Collars Run 360 Vls 51
 Bottom Packer Depth 3037 Wt. Pipe Run n.a. WL 9.6
 Total Depth 3047 Chlorides 900 ppm System LCM 1#

Blow Description IF: 30 min., weak surface blow, direct 8 min.
ISZ: 30 min., no blow back
FP: 10 min., no blow
FSZ: ~~30~~ 30 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>oil spotted mud</u>		<u>1</u>		<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1471 Test conv. 1800 T-On Location 0600
 (B) First Initial Flow 23 Jars _____ T-Started 0600
 (C) First Final Flow 24 Safety Joint _____ T-Open 0845
 (D) Initial Shut-In 883 Circ Sub _____ T-Pulled 1025
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 1300
 (F) Second Final Flow 33 Mileage A 40 60 Comments _____
 (G) Final Shut-In 921 Sampler _____
 (H) Final Hydrostatic 1441 Straddle _____ EM Tool good
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Shale Packer A 1.0 250

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In 30
 Sub Total 2110
 Total 2110
 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.