

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 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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OPERATOR

Company: ALAN J. VONFELDT
 Address: PO BOX 611
 RUSSELL, KANSAS 67665-0611

Contact Geologist:
 Contact Phone Nbr:

Well Name: LAYHER A # 3
 Location: NW SW NW NE, SEC.19-T15S-R15W
 API: 15-167-24,109-00-00
 Pool: IN FIELD
 State: KANSAS
 Field: FOSTER
 Country: USA

Scale 1:240 Imperial

Well Name: LAYHER A # 3
 Surface Location: NW SW NW NE, SEC.19-T15S-R15W
 Bottom Location:
 API: 15-167-24,109-00-00
 License Number: 7281
 Spud Date: 9/21/2021 Time: 8:15 PM
 Region: RUSSELL COUNTY
 Drilling Completed: 9/27/2021 Time: 11:53 AM
 Surface Coordinates: 4306' FSL & 2312' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1823.00ft
 K.B. Elevation: 1831.00ft
 Logged Interval: 2700.00ft To: 3370.00ft
 Total Depth: 3370.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.0303983
 Latitude: 38.7375757
 N/S Co-ord: 4306' FSL
 E/W Co-ord: 2312' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: GEOLOGIST Name: HERB DEINES

CONTRACTOR

Contractor: DISCOVERY DRILLING, INC
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 9/21/2021 Time: 8:15 PM
 TD Date: 9/27/2021 Time: 11:53 AM
 Rig Release: 9/28/2021 Time: 5:30 AM


ELEVATIONS

K.B. Elevation: 1831.00ft Ground Elevation: 1823.00ft
 K.B. to Ground: 8.00ft

NOTES

DECISION TO RUN PRODUCTION CASING BASED ON LOG ANALYSIS AND NUMEROUS ZONES OF

DST # 1 TEST SUMMARY

	DRILL STEM TEST REPORT	
	Vonfeldt Alan J	19-15S-15W Russell KS
	POBOX 611 Russell KS 67665+0611	Layher A #3
ATTN: Herb Deines	Job Ticket:	DST#: 1
	Test Start:	2021.09.26 @ 15:05:00

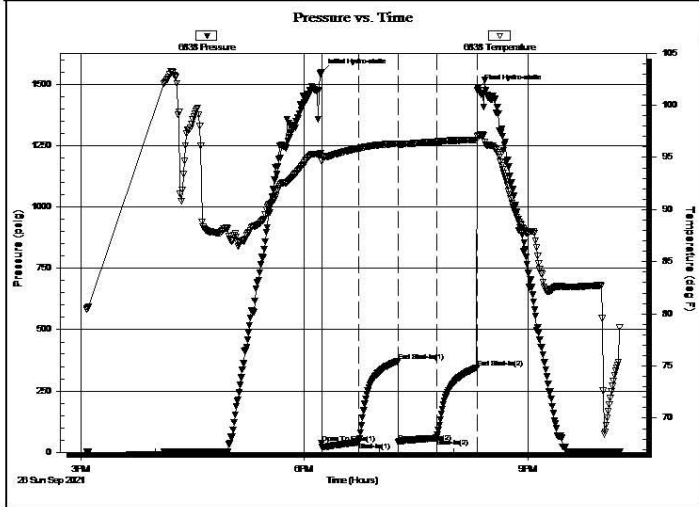
GENERAL INFORMATION:

Formation: LKC C-D	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: spencer/ corey
Time Tool Opened: 18:13:47	Unit No: 84
Time Test Ended: 22:14:07	
Interval: 3096.00 ft (KB) To 3138.00 ft (KB) (TVD)	Reference Elevations: 1831.00 ft (KB)
Total Depth: 3138.00 ft (KB) (TVD)	1823.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: 58.07 psig @ 3099.00 ft (KB)	Capacity: psig
Start Date: 2021.09.26 End Date: 2021.09.26	Last Calib.: 2021.09.26
Start Time: 15:05:01 End Time: 22:14:07	Time On Btm: 2021.09.26 @ 18:13:42
	Time Off Btm: 2021.09.26 @ 20:19:37

TEST COMMENT: 30-IF-BOB 7 mins Built to 26"
 30-ISI-No Return
 30-FF-Surface to 9 1/2"
 30-FSI-Weak Surface



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1549.96	95.36	Initial Hydro-static
1	36.54	94.63	Open To Flow (1)
30	40.88	95.86	Shut-In(1)
62	370.84	96.27	End Shut-In(1)
62	40.65	96.26	Open To Flow (2)
93	58.07	96.50	Shut-In(2)
125	345.07	96.69	End Shut-In(2)
126	1484.76	97.05	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
65.00	nrv 30%w 70%w	0.64
30.00	gsocm 5%g 5%o 90%m	0.43
0.00	440 gip 100%g	0.00

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






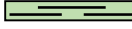

FORMATION TOPS COMPARISON

LAYHER A-3 NW SW NW NE SEC.19-15S-154W KB 1831'	LAYHER A-1 S2 NW NW NE SEC. 19-15S-15W KB 1823'	FOSTER # 1 SW NW NE SEC.19-15S-15W KB 1822'
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	LOG TOPS		
Anhydrite-top	908 +923	+922	+913
Anhydrite-base	943 +888	+887	
Topeka	2802 - 971	- 973	- 971
Heebner Shale	3028-1197	-1199	
Toronto	3046-1215	-1217	
LKC	3082-1251	-1254	-1252
BKC	3302-1471	-1475	
Arbuckle	3354-1523	NOT REACHED	-1525
RTD	3370-1539	-1517	-1542

9-21-21	Spud 8:15 PM, drilling 12 ¼" surface hole
9-22-21	352', drilling, set 8 5/8" surface casing to 919' w/ 350 sxs 60/40pos 4%cc 2%gel
9-23-21	919', WOC, plug down 2:00 AM, drill plug 2:00 PM
9-24-21	1719', drilling
9-25-21	2445', drilling, displaced at 2720'
9-26-21	3060', drilling, CFS 3060', short trip 15 stands, CFS 3138', DST # 1 3096'-3138', survey ¾ degree @ 3138'
9-27-21	3269', drilling, RTD @ 11:53AM, CCH, TOWB, logging, LDDP
9-28-21	3370', finish running production casing and cementing

ROCK TYPES

 Chtcongl	 Lmst fw7>	 shale, gry	 shale, red
 Dolprim	 shale, grn	 Carbon Sh	

ACCESSORIES

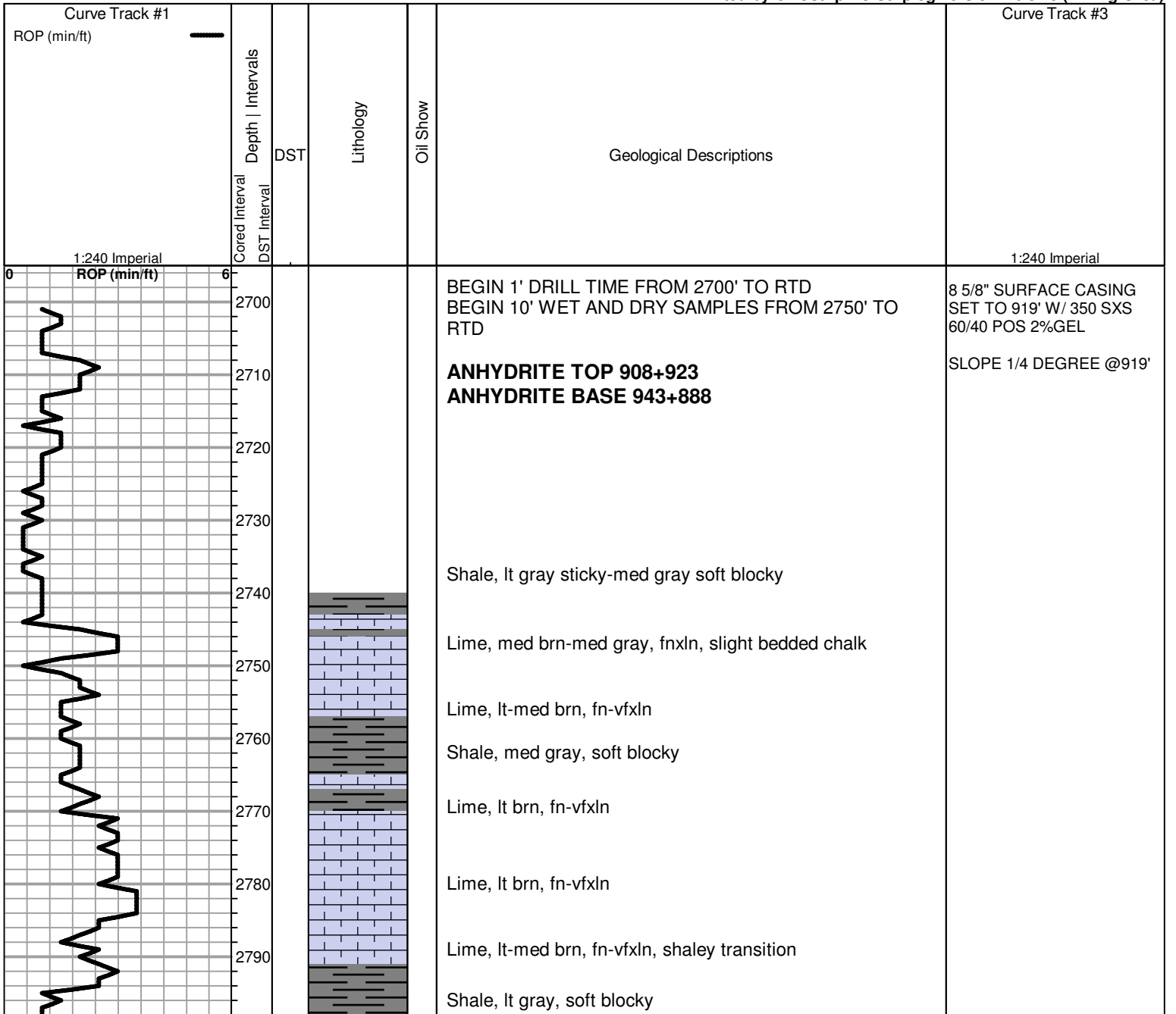
MINERAL

- ▲ Chert, dark
- △ Chert White

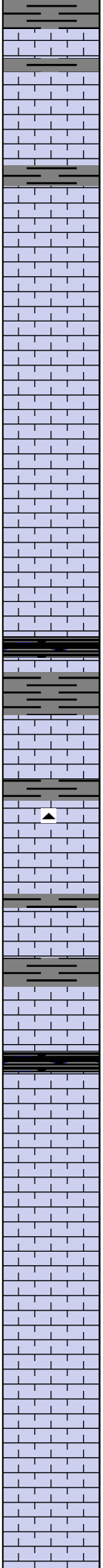
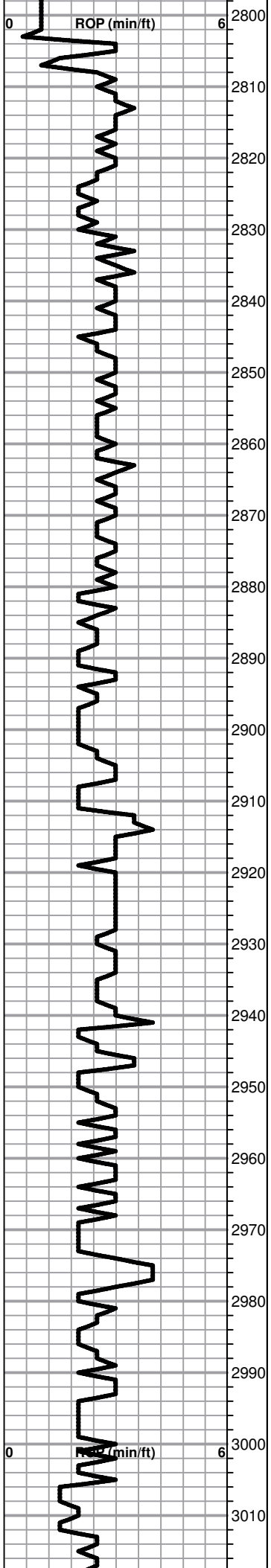
FOSSIL

- ♣ Oomoldic

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)



TOPEKA 2802-971



Lime, lt brn, fnxln

Lime, lt-med brn, fn-vfxln, scattered fusulinids

Lime, lt-med brn, fn-micro xln, hard bedded chalk in part

Lime, lt brn-lt grayish brn, fn-vfxln

Lime, lt brn-crm-lt grayish brn, fn-vfxln

Lime, lt-med brn, fn-vfxln, thin fossil beds

Lime, lt-med brn-lt gray, fn-vfxln, scattered calcareous shale with fossil content

Lime, lt-med brn-med grayish brn, fn-vfxln, slightly fossiliferous

Lime, lt brn-lt grayish brn, fn-vfxln

Shale, black carbonaceous, blocky

Lime, lt brn, fn-vfxln

Shale, gray-black, calcareous with fossil contents and chunks of pyrite

Lime lt brn, fn-vfxln, scattered gray mottling

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln, scattered bivalves and fusulinids

Lime, crm-lt gray, fn-vfxln

Lime, crm-lt brn, fn-vfxln, hard bedded chalk

Shale, black carbonaceous, pyritic, blocky

Lime, crm-lt brn-lt gray, fn-vfxln

Lime, lt brn-lt gray, fn-vfxln, scattered fossiliferous

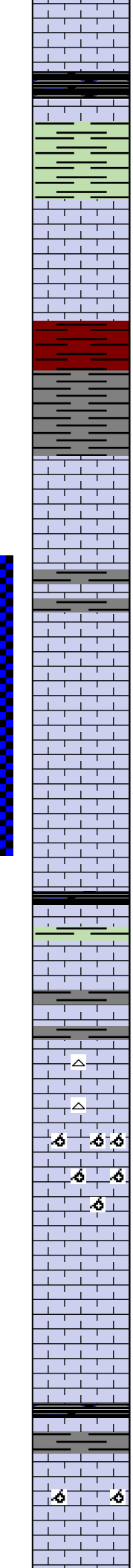
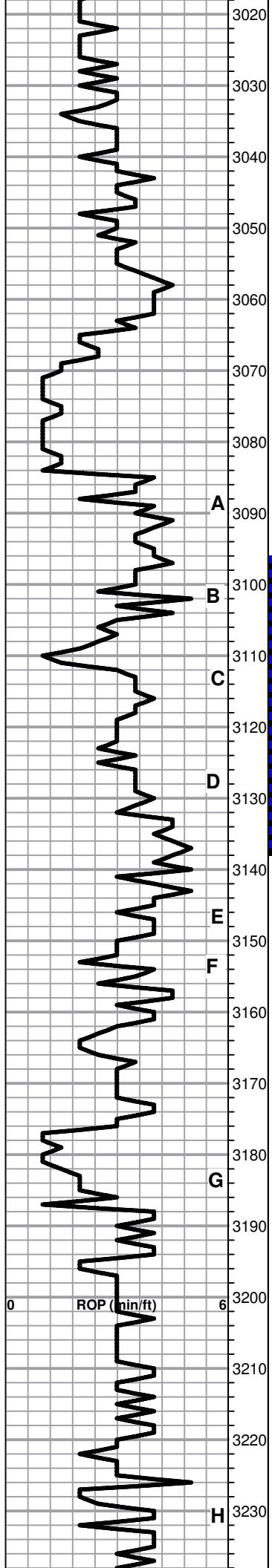
Lime, crm-lt brn, fn-vfxln, few chips with fossil casts with dark oil stain, fossil cast porosity, no odor, heavy dark oil droplets

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln

Lime, crm-tan, fn-vfxln

Lime, crm-lt brn, fnxln



Lime, crm-lt brn, fn-vfxln

HEEBNER SHALE 3028-1197

Shale, black carbonaceous, fissile, blocky, pyritic
 Lime, lt grayish brn, vf-micro xln
 Shale, lime green soft blocky

TORONTO 3046-1215

○ Lime, white, mostly fnxln, spotty-scattered sat staining in fossil casts, NFO or odor

Lime, white, fn-micro xln

Shale, red-gray, soft blocky

LKC 3082-1251

○ Lime, lt brn, fn-vfxln, no odor or free oil. Zone has been noted for fracturing potential and should be tested

Lime, lt brn, fn-micro xln

● Lime, crm-lt brn, fnxln, fn-vfxln, few oolitic/oomoldic chips with lt spotty staining, very lt odor, NFO. Zone is most likely totally depleted and may act as a thief zone.

● Lime, lt brn, fn-vfxln, fair amout of chips composed of fossil fragments and oolites with pinpoint vug porosity, spotty to sat staining, lt gassy oil, fair odor. Although shows look good, micro log shows possible permeability issues

Lime, lt brn, micro xln

Shale, black carbonaceous, blocky
 Lime, dove gray, vfxln

● Lime, crm-lt brn, fn-vfxln, fossiliferous with scattered vugs in mix of oolites and fossil fragments. Spotty staining, lt odor, NFO, interparticle porosity

Lime, crm-tan, fnxln

Lime, crm-lt brn, fn-micro xln

Lime, white-crm, fnxln-oomoldic, barren, NS

Lime, white-crm, fn-micro xln

Lime, crm-lt brn, fn-micro xln

Lime, crm-lt brn, fn-micro xln

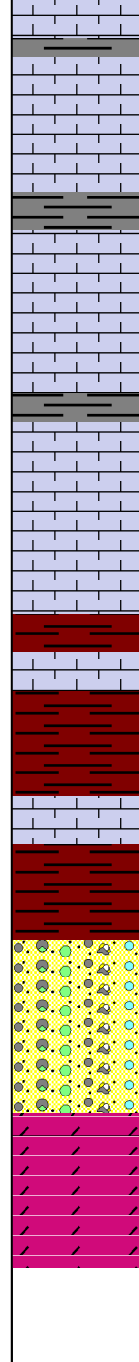
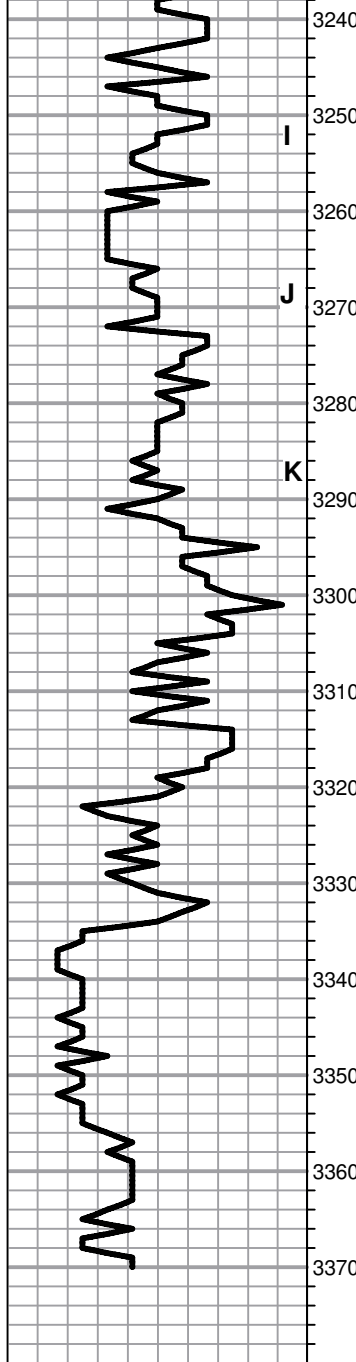
Shale, gray-black carbonaceous, blocky

Lime, dark brn-lt grayish brn, fn-vfxln, No odor or staining noted. Scattered barren oomoldic chips.

Lime, crm-lt brn, fn-micro xln with gray and darker lime near shale boundary

DST # 1 3096' TO 3138'
 SEE HEADER FOR TEST SUMMARY

SLOPE 3/4 DEGREE@
 3138'



shale boundary

○ Lime, crm-lt brn, fn-micro xln, thin bed of oolitic, fossil fragments with interparticle and scattered pinpoint vuggy porosity, spotty staining, NFO, lt pungent odor

○ Lime, crm-tan, fnxln, zone of fossil fragments/oolites with interparticle porosity. Scattered to sat staining, lt sweet odor.

○ Lime, crm-tan, fn-vfxln. Microlog indicates zone of permeability with chips and lt odor similar to shows in I and J benches.

Lime, lt brn, micro xln

BKC3302-1471

Shale, red, firm blocky with red chert fragments

Lime, crm-tan, fn-vfxln

Shale, red soft block to soft sticky

Lime, lt-med brn-lt gray, fn-micro xln

Shale, red soft blocky

Cherts, vari colored encased in red shale

ARBUCKLE 3354-1523

○ Dolomite, lite brown, fine granular with interxln porosity, spotty to saturated staining, live oil extracted during acid test, very good wet cut

RTD 3370-1539 LTD 3369-1538

4 1/2" 11.6# PRODUCTION CASING SET TO 3369' AND CEMENTED WITH 180 SXS COMMON 10% SALT 5% GILSONITE. RATHOLE WITH 30 SXS AND MOUSE HOLE WTH 15 SXS. USED TOTAL OF 225 SACKS. JOB COMPLETE 4:30AM 9/28/2021



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vonfeldt Alan J
POBOX 611
Russell KS 67665+0611
ATTN: Herb Deines

19-15S-15W Russell KS
Layher A #3
Job Ticket: **DST#: 1**
Test Start: 2021.09.26 @ 15:05:00

GENERAL INFORMATION:

Formation: **LKC C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:13:47
Time Test Ended: 22:14:07
Interval: **3096.00 ft (KB) To 3138.00 ft (KB) (TVD)**
Total Depth: 3138.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1831.00 ft (KB)
1823.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: spencer/ corey
Unit No: 84

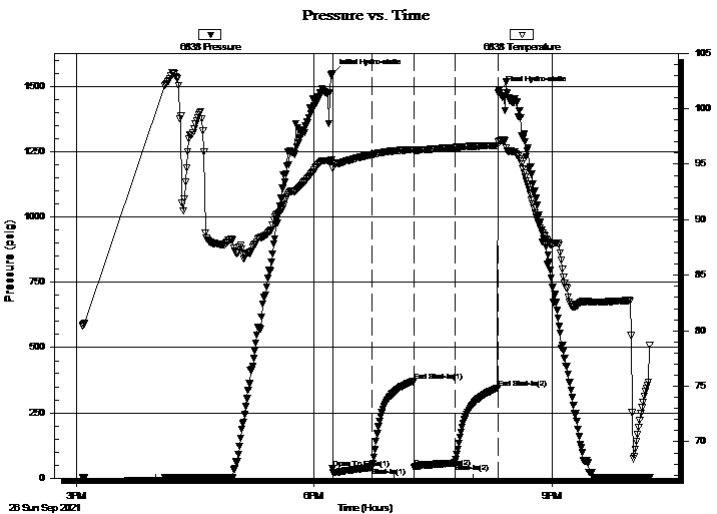
Serial #: 6838

Inside

Press@RunDepth: 58.07 psig @ 3099.00 ft (KB) Capacity: psig
Start Date: 2021.09.26 End Date: 2021.09.26 Last Calib.: 2021.09.26
Start Time: 15:05:01 End Time: 22:14:07 Time On Btm: 2021.09.26 @ 18:13:42
Time Off Btm: 2021.09.26 @ 20:19:37

TEST COMMENT: 30-IF-BOB 7 mins Built to 26"
30-ISI-No Return
30-FF-Surface to 9 1/2"
30-FSI-Weak Surface

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1549.96	95.36	Initial Hydro-static
1	36.54	94.63	Open To Flow (1)
30	40.88	95.86	Shut-In(1)
62	370.84	96.27	End Shut-In(1)
62	40.65	96.26	Open To Flow (2)
93	58.07	96.50	Shut-In(2)
125	345.07	96.69	End Shut-In(2)
126	1484.76	97.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	mw 30%m 70%w	0.64
30.00	gsocm 5%g 5%o 90%m	0.43
0.00	440 gip 100%g	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Vonfeldt Alan J
 POBOX 611
 Russell KS 67665+0611
 ATTN: Herb Deines

19-15S-15W Russell KS

Layher A #3

Job Ticket: **DST#: 1**
 Test Start: 2021.09.26 @ 15:05:00

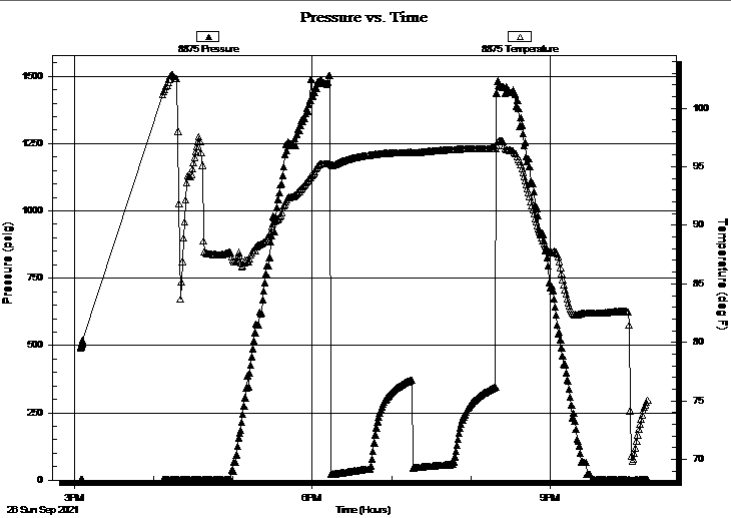
GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:13:47 Tester: spencer/ corey
 Time Test Ended: 22:14:07 Unit No: 84
Interval: 3096.00 ft (KB) To 3138.00 ft (KB) (TVD) Reference Elevations: 1831.00 ft (KB)
 Total Depth: 3138.00 ft (KB) (TVD) 1823.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: psig @ 3099.00 ft (KB) Capacity: psig
 Start Date: 2021.09.26 End Date: 2021.09.26 Last Calib.: 2021.09.26
 Start Time: 15:05:01 End Time: 22:14:07 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-BOB 7 mins Built to 26"
 30-ISI-No Return
 30-FF-Surface to 9 1/2"
 30-FSI-Weak Surface



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	mw 30% m 70% w	0.64
30.00	gsocm 5% g 5% o 90% m	0.43
0.00	440 gip 100% g	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vonfeldt Alan J

19-15S-15W Russell KS

POBOX 611
Russell KS 67665+0611

Layher A #3

Job Ticket: **DST#: 1**

ATTN: Herb Deines

Test Start: 2021.09.26 @ 15:05:00

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:	54000 ppm
Viscosity: 5.40 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

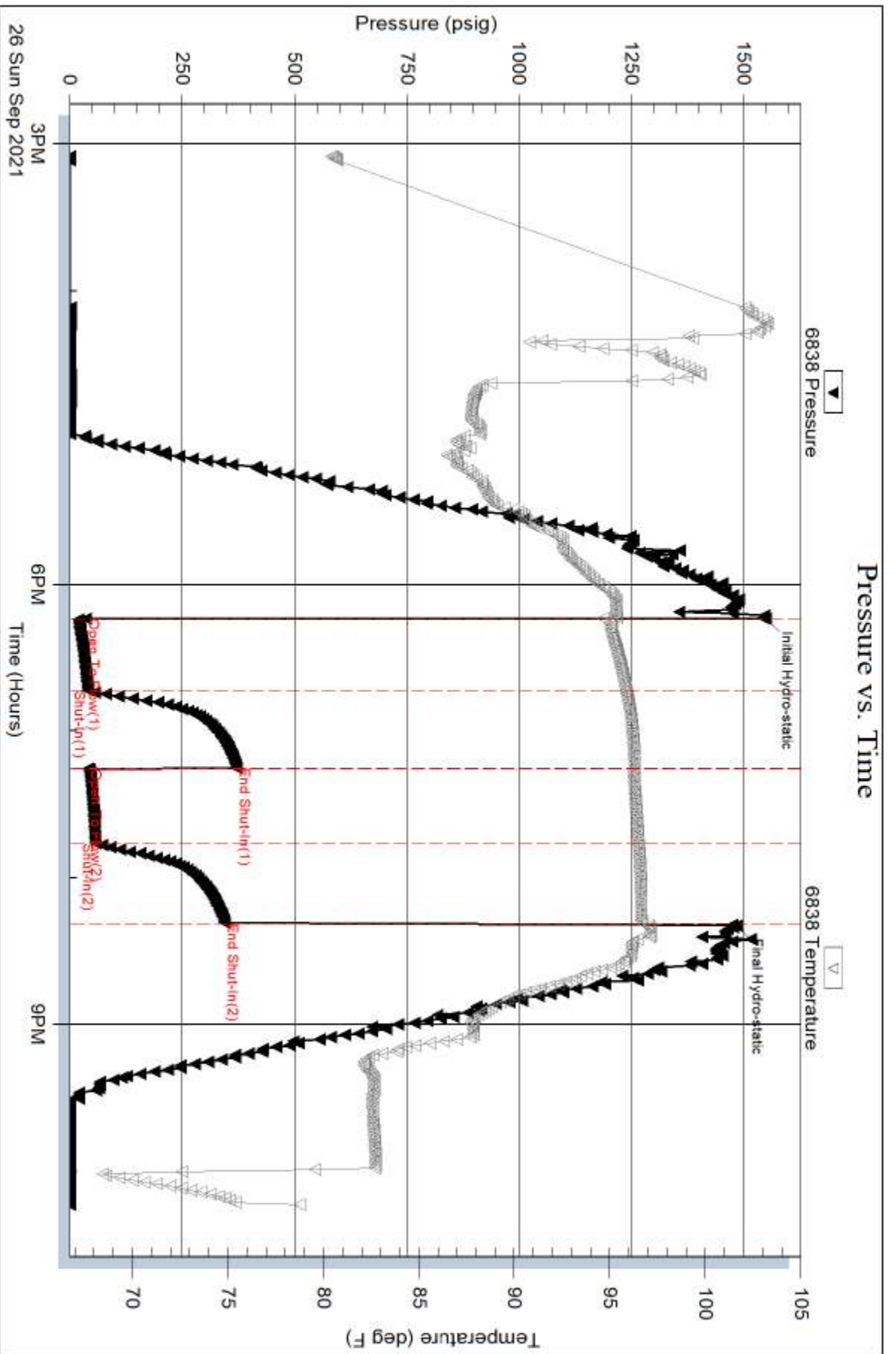
Length ft	Description	Volume bbl
65.00	mw 30%m 70%w	0.644
30.00	gsocm 5%g 5%o 90%m	0.425
0.00	440 gip 100%g	0.000

Total Length: 95.00 ft Total Volume: 1.069 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM
rw = .148@70F

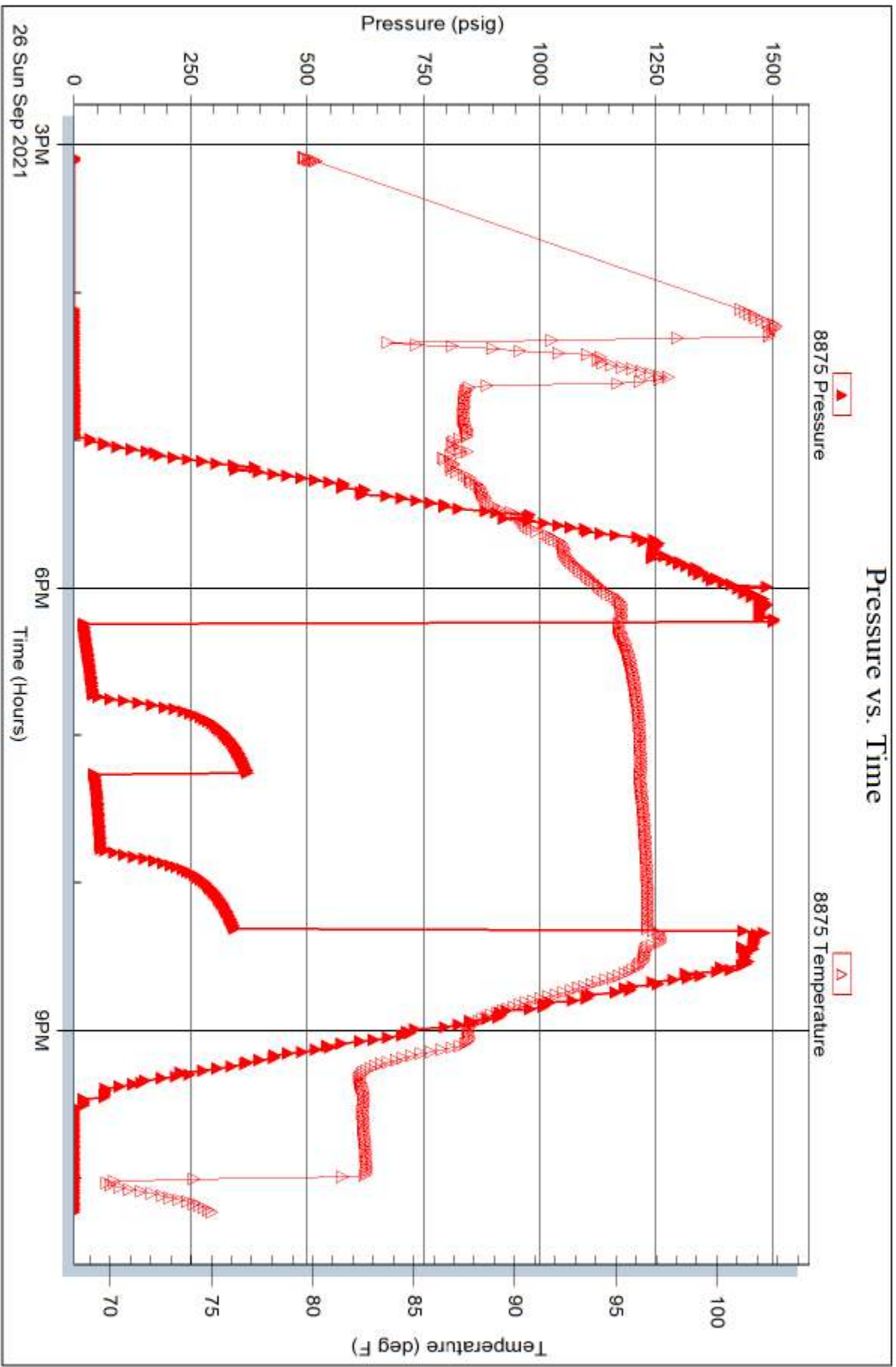


Serial #: 8875

Outside Vonfeldt Alan J

Layher A #3

DST Test Number: 1



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

85-483-1071
85-324-1041

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

No. 2445

Date	9-23-21	Sec.	19	Twp.	15	Range	15	County	Russell	State	Ks	On Location		Finish	2.00 hrs
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Location: *Area 958*

Lease: *LAYER "A"* Well No. *1913* Owner: *To Quality Oilwell Cementing, Inc.*

Contractor: *DISCOVERY* Type Job: *SURFACE* Charge To: *Alvin J Vonfeldt*

Hole Size: *12 1/4* T.D.: *919* Depth: *919* Street: _____ City: _____ State: _____

Tbg. Size: _____ Depth: _____ The above was done to satisfaction and supervision of owner agent or contractor

Cement Left in Csg.: *31.09* Shoe Joint: *31.09* Cement Amount Ordered: *350 bbls 42% 2% 60%*

Meas Line: _____ Displace: *56 1/2*

EQUIPMENT

Pumptrk	17	No.	Cementer Helper	<i>B. H.</i>	Common	<i>210</i>
Bulktrk		No.	Driver	<i>CPAG</i>	Poz. Mix	<i>140</i>
Bulktrk	21	No.	Driver	<i>Jordan</i>	Gel.	<i>7</i>
			Driver		Calcium	<i>15</i>

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
<i>SURFACE 919</i>	Sand
<i>Centralizer</i>	Handling <i>371</i>
<i>pump plug at 56 1/2 bbls</i>	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	<i>Baffle plate 1</i>
	<i>Rebber plug 1</i>
	Pumptrk Charge <i>Long Simms</i>
	Mileage <i>20</i>

Signature: *Thomas W. Rieker* Tax Discount Total Charge

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 2450

Cell 785-324-1041

Date	9-28-21	Sec.	19	Twp.	15	Range	15	County	Russell	State	Ks	On Location		Finish	4:20 Am							
Location													Gochan 10 S W 12									
Lease	Layher 'A'			Well No.	3			Owner														
Contractor	Discovery			To Quality Oilwell Cementing, Inc.								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Type Job	Prod strings			Charge To								Alan J Vonfeldt										
Hole Size	7 7/8			T.D.				Street														
Csg.	4 1/2 11.6			Depth	3372			City								State						
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.														
Tool				Depth				Cement Amount Ordered								180# 5" 61						
Cement Left in Csg.	40.2"			Shoe Joint	40.2"			Cement Line								Displace						
													51 1/2		500 gal Flush 10% Salt							
EQUIPMENT													Common				180					
Pumptrk	20		No.	Cementer		Helper		Bill		Poz. Mix												
Bulktrk			No.	Driver		Driver		Craig		Gel.												
Bulktrk	14		No.	Driver		Driver		Doug		Calcium												
JOB SERVICES & REMARKS													Hulls									
Remarks:													Salt				15					
Rat Hole													15				Flowseal					
Mouse Hole													30				Kol-Seal		800#			
Centralizers																	Mud CLR 48				500 gal	
Baskets																	CFL-117 or CD110 CAF 38					
D/V or Port Collar																	Sand					
Pipe set e													3361.62				Handling				903	
Shoe Jt													40.22				Mileage					
Insert e													3332.60				FLOAT EQUIPMENT					
pump 500 gal Flush																	Guide Shoe					
Cement w 135#																	Centralizer				4	
pump plug w 5 1/2																	Baskets				1	
land plug e																	AFU Inserts					
float did hold																	Float Shoe				1	
																	Latch Down				1	
																	Pumptrk Charge				prod string	
																	Mileage				20	
Signature													X				Tax					
																	Discount					
																	Total Charge					

Thanks