

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	Farmer, John O., Inc.
Well Name	DORCAS B 1
Doc ID	1566127

All Electric Logs Run

Compensated Density/Neutron Log
Micro Resistivity Log
Dual Induction Log
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	DORCAS B 1
Doc ID	1566127

Tops

Name	Top	Datum
Mississippi	2434'	(-1104)
Kinderhook	2788'	(-1458)
Hunton	2924'	(-1594)
Maquoketa	2933'	(-1603)
Viola	3010'	(-1680)
Simpson Sand	3113'	(-1783)
Arbuckle	3162'	(-1832)
L.T.D.	3220'	(-1890)

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. 2082

Date	12/1/2020	Sec.	36	Twp.	16	Range	10	County	Lyon	State	Kansas	On Location		Finish	5:00pm
Lease								Well No.		Owner					
Dorcas B								1		1/4 E Sinto					
Contractor								To Quality Oilwell Cementing, Inc.							
Lighthouse Drilling								You are hereby requested to rent cementing equipment and furnish							
Type Job								cement and helper to assist owner or contractor to do work as listed.							
Surface															
Hole Size				T.D.				Charge To							
12 1/4				233'				JO Farmer							
Csg.				Depth				Street							
8 5/8				225											
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
15'				15'				160 5% 20 3% cc 2% gel							
Meas Line				Displace											
				13.25											
EQUIPMENT								Common							
Pumptrk 17 No. Cementer								130 130							
Helper Tim								Poz. Mix							
Bulktrk 21 No. Driver Tom								30 30							
Bulktrk p.u. No. Driver David								Gel. 3							
								Calcium 6							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
Ran 8 5/8 est. circulation and cemented with 160 sks								Handling 169							
								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge Surface							
								Mileage 80							
Cement Did Circulate								Tax							
								Discount							
								Total Charge							
X Signature [Signature]								Thanks [Signature]							

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. 2084

Date	12/6/2020	Sec.	36	Twp.	16	Range	10	County	Lyon	State	Kansas	On Location		Finish	3:45pm
Location Council Grove 12E to Rd F 2 1/2 S 4E S10															
Lease	Dorcas B					Well No.	1		Owner						
Contractor	Lighthouse Drilling					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	Production String					Charge To									
Hole Size	7 7/8					T.D.	3220		JO Farmer						
Csg.	5 1/2					Depth	3219		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.	31'					Shoe Joint	31'		Cement Amount Ordered 170 10% salt 5% gilsonite						
Meas Line						Displace	77 3/4		20 bbl KCL 500 gal mud clear						
EQUIPMENT								Common 170							
Pumptrk	17	No.	Cementer Helper		Dick		Poz. Mix								
Bulktrk	9	No.	Driver		Tony		Gel.								
Bulktrk	Pl	No.	Driver		David		Calcium								
JOB SERVICES & REMARKS								Hulls							
Remarks:	Salt 15														
Rat Hole	30 sks					Flowseal									
Mouse Hole	20 sks					Kol-Seal 20 750#									
Centralizers	#1, 3, 5, 7, 9					Mud CLR 48 500 gal									
Baskets	#11					CFL-117 or CD110 CAP 38									
D/V or Port Collar	Sand														
(5 1/2 set at 3216')															
								Handling 185							
								Mileage							
FLOAT EQUIPMENT															
Ran 5 1/2 and est circulation								Guide Shoe							
Cement Pumped 500 gal								Centralizer 5							
Mud clear followed by 10 bbl KCL								Baskets 1							
<u>Cemented 5 1/2 with 120 sks cement</u>								AFU Inserts							
displaced first 10 bbl KCL followed by H2O								Float Shoe 1							
								Latch Down 1							
Lift pressure 600 ⁺ psi															
Landed plug at 1400 ⁺ psi								Pumptrk Charge prod String							
								Mileage 80							
X Signature <u>Ann Wembury</u>															
Thanks															
												Tax			
												Discount			
												Total Charge			



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: Dorcas B #1
API: 15-111-20550-00-00
Location: Lyon County
License Number:
Spud Date: 12/1/2020
Surface Coordinates: 475' FNL & 260' FWL
Bottom Hole Coordinates: Vertical well w/minimal deviation, same as above
Ground Elevation (ft): 1,318
Logged Interval (ft): 2,400
Formation: Mississippian - Arbuckle
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas
Drilling Completed: 12/6/2020

K.B. Elevation (ft): 1,330
Total Depth (ft): 3,220
To: RTD

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

OPERATOR


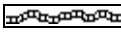
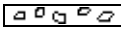
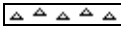
Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave.
Russell, KS 67665

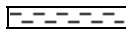



Comments





The Dorcas B #1 well was drilled by Lighthouse Drilling Rig #1 (Tool Pusher: Charlie Coulter).

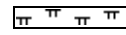

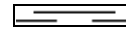
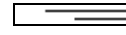
The location for the Dorcas B #1 was discovered via 3D seismic. Drilling time was recorded and rock samples were gathered and evaluated from 2,800' - 3,220'. Oil shows were encountered in the Hunton, Viola, & Simpson Sand. Structurally, the Mississippian top was picked 6' low to the comparison well (Nielsen #1, John O. Farmer, Inc.). Structure thinned below the Mississippian formation, which resulted in a Simpson Sand formation that was 3' high to the comparison well. The oil shows that occurred in the Hunton and Viola formations were deemed not worthy of drill stem testing, as both formations had been tested in the Nielsen #1 and yielded negative results. A drill stem test was conducted over the main Simpson Sand pay zone, which yielded 245' of gassy clean oil and 758# bottom-hole pressure. After evaluation of all oil shows, DST results, & electric logs, it was decided that 5 1/2" production casing be set to further evaluate the Dorcas B #1 on

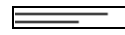



ROCK TYPES

 Anhy
 Bent
 Brec
 Cht

 Clyst
 Coal
 Congl
 Dol

 Gyp
 Igne
 Lmst
 Meta

 Mrlst
 Salt
 Shale
 Shcol

 Shgy
 Sltst
 Ss
 Till

OTHER SYMBOLS

POROSITY

E Earthy
 F Fenest
 F Fracture
 X Inter
 M Moldic
 O Organic
 P Pinpoint

V Vuggy

SORTING

W Well
 M Moderate
 P Poor

ROUNDING

R Rounded
 S Subrnd
 A Subang
 A Angular

OIL SHOW

E Even

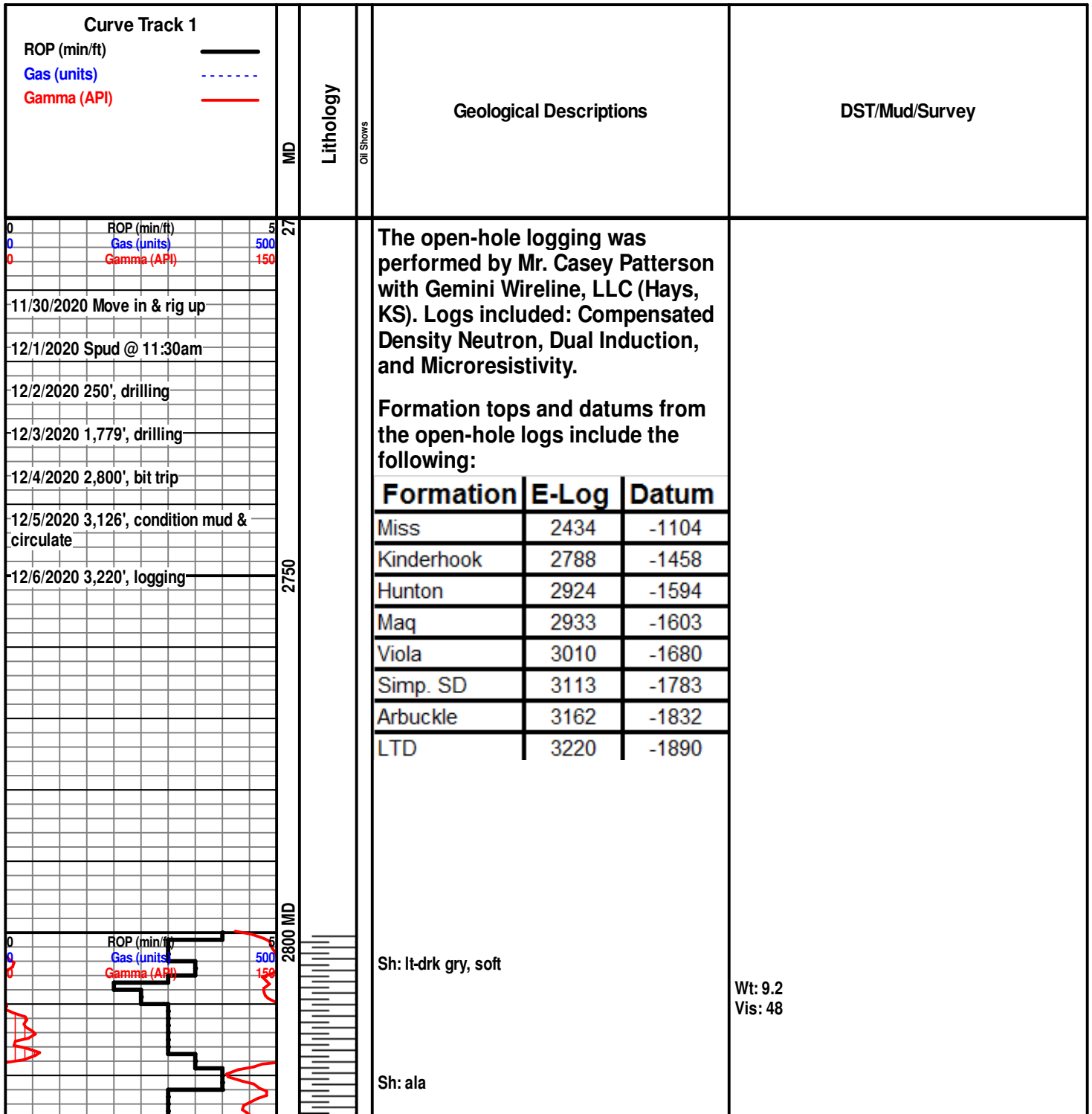
Spotted
 Ques
 Dead

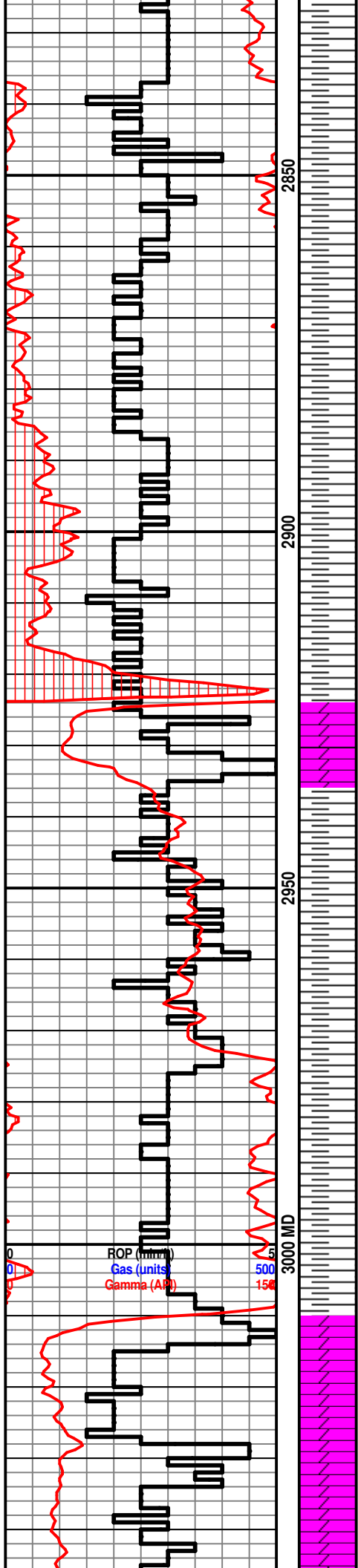
INTERVAL

Core
 Dst

EVENT

Rft
 Sidewall





Sh: lt-drk gry, brn, scat soft

Sh: lt-drk gry

Sh: ala

Sh: lt-drk gry, brn

Sh: ala

Hunton 2927' (-1597)

Dolo: off wh, fn-vry fn xln, poor int xln & scat vuggy porosity, scat-fair oil stn, VSSFO, sl odor

Maquoketa 2936' (-1606)

Sh: lt-drk gry, sltst

Sh: ala

Sh: lt-drk gry, sltst

Sh: ala

Sh: lt gry, scat sltst

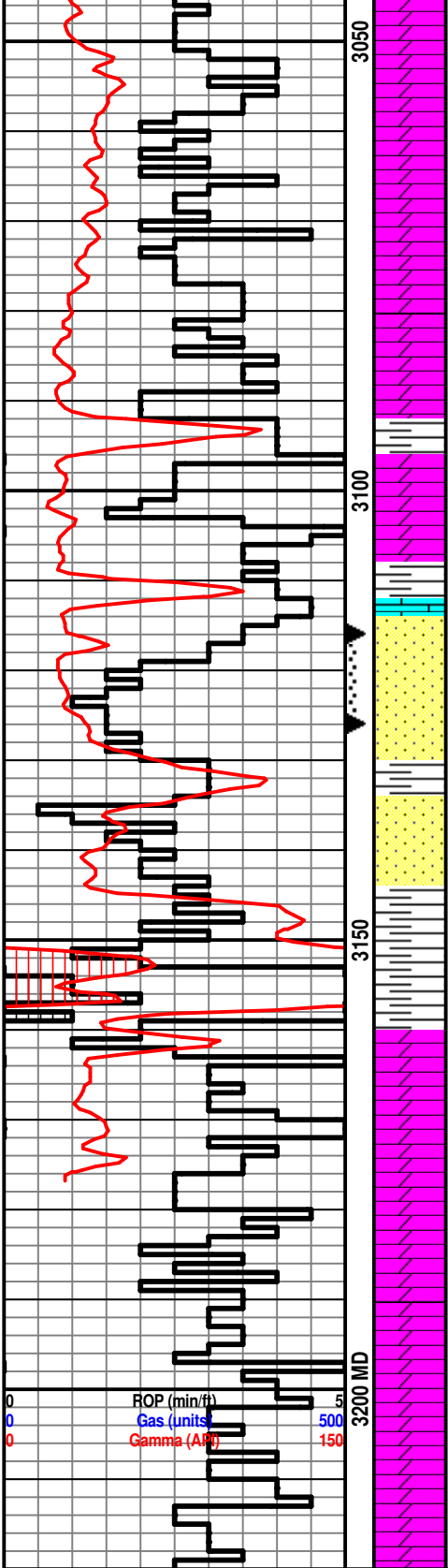
Viola 3012' (-1682)

Dolo: wh-off wh, fn-md xln, poor int xln porosity, few rxes w/ fair int xln porosity, fair bleeding oil cut, SSFO, fair odor

Dolo: wh-off wh, md-crs xln, fair int xln porosity, hvy tarry oil, sl odor, scat chert, scat chalk

Dolo: wh-off wh, md-crs xln, poor int xln porosity, NSFO, scat chert, scat chalk

Dolo: tan-brn, fn xln, poor int xln porosity, hvy chert-trip



Dolo: ala

Dolo: off wh-tan, fn xln, poor-fair int xln porosity, scat chert, NSFO

Dolo: off wh-tan, fn xln, poor int xln porosity, scat chert, sl chalky, NSFO

Dolo: ala

Simpson Dolo 3098' (-1768)

Dolo: off wh-tan, fn-md xln, poor-fair int xln porosity, fair oil stn, SSFO, fair odor, fair yel fluor

Simpson Sand 3114' (-1784)

Ss: qtz, off wh, fn-md grn, poor-fair sorting, poor int grn porosity, fair oil stn, SSFO, fair-good odor

Ss: qtz, off wh, fn-md grn, rnd, good int grn porosity, fairly well sorted, friable, good oil sat, GSFO, good odor, fair-good yel fluor

Sh: blk

Ss: qtz, off wh, vry fn-md grn, rnd, poorly sorted, poor-fair int grn porosity, mostly barren, scat pyrite

Sh: drk gry-blk

Arbuckle 3162' (-1832)

Dolo: tan-gry, fn-sub xln, DNS, hvy chert-off wh, scat ss: off wh, ang, poor int grn porosity, barren

Dolo: tan-gry, fn-sub xln, DNS, hvy chert-off wh, trip

Dolo: tan-gry, fn xln, poor int xln porosity, mostly DNS, chert-off wh

Dolo: ala

Dolo: off wh-tan-gry, fn-sub xln, mostly DNS, chert-off wh

Wt: 9.4
Vis: 62

DST #1 3,116 - 3,126' Simpson Sand
30"-30"-60"-60"

IF: weak blow built to 1.25"

FF: weak blow built to 2"

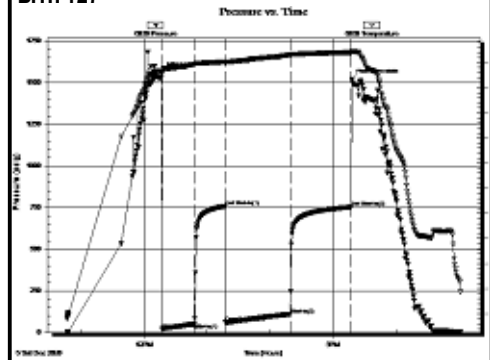
Rec: 30' Gas in Pipe, 245' Gassy Oil (10%G, 90%O) (24 API), 10' Heavy Oil Cut Mud (30%O, 70%M)

FP: 21-52, 61-109#

SIP: 758-753#

HP: 1,565-1,521#

BHT: 127





DRILL STEM TEST REPORT

Prepared For: **Farmer John O Inc**

PO Box 352
Russell KS 67665

ATTN: Austin Klaus

Dorcas B #1

36-16s-10E Lyon,KS

Start Date: 2020.12.05 @ 10:47:00

End Date: 2020.12.05 @ 17:01:32

Job Ticket #: 66091 DST #: 1

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

Printed: 2020.12.10 @ 10:25:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Farmer John O Inc

36-16s-10E Lyon,KS

PO Box 352
Russell KS 67665

Dorcas B #1

Job Ticket: 66091

DST#: 1

ATTN: Austin Klaus

Test Start: 2020.12.05 @ 10:47:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:17:27

Time Test Ended: 17:01:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: **3116.00 ft (KB) To 3126.00 ft (KB) (TVD)**

Reference Elevations: 1327.00 ft (KB)

Total Depth: 3126.00 ft (KB) (TVD)

1315.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6838

Inside

Press@RunDepth: 109.31 psig @ 3117.00 ft (KB)

Capacity: psig

Start Date: 2020.12.05

End Date:

2020.12.05

Last Calib.:

2020.12.05

Start Time: 10:47:01

End Time:

17:01:32

Time On Btm:

2020.12.05 @ 12:17:17

Time Off Btm:

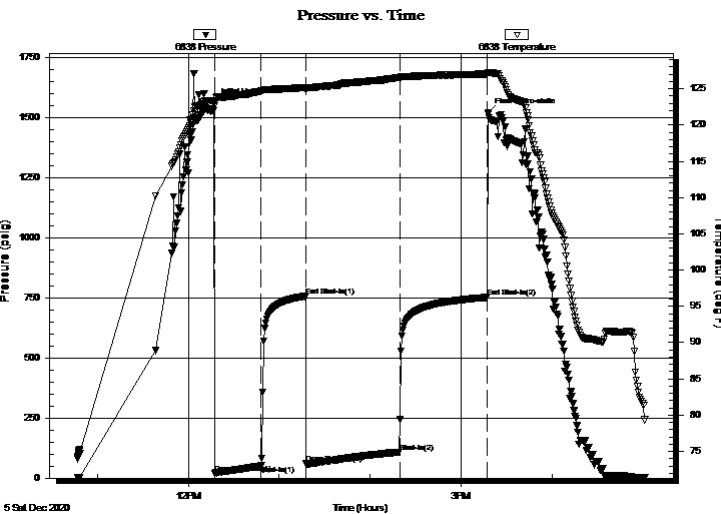
2020.12.05 @ 15:17:42

TEST COMMENT: 30-IF-Weak Built to 1 1/4"

30-ISI-No Return

60-FF-Weak Built to 2"

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1565.24	123.38	Initial Hydro-static
1	20.75	122.68	Open To Flow (1)
31	51.78	124.67	Shut-In(1)
61	757.76	125.14	End Shut-In(1)
61	60.95	124.87	Open To Flow (2)
123	109.31	126.53	Shut-In(2)
180	752.73	127.05	End Shut-In(2)
181	1520.93	127.25	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
10.00	HOCM 30%O 70%M	0.05
245.00	GO 10%G 90%O	1.20
0.00	30 GIP 100%G	0.00

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Farmer John O Inc

36-16s-10E Lyon,KS

PO Box 352
Russell KS 67665

Dorcas B #1

Job Ticket: 66091

DST#: 1

ATTN: Austin Klaus

Test Start: 2020.12.05 @ 10:47:00

Tool Information

Drill Pipe:	Length: 2815.00 ft	Diameter: 3.82 inches	Volume: 39.90 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 305.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3116.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3091.00	
Change Over Sub	1.00			3092.00	
Shut In Tool	5.00			3097.00	
Hydraulic tool	5.00		Fluid	3102.00	
Gap Sub	5.00			3107.00	
Packer	5.00			3112.00	26.00 Bottom Of Top Packer
Packer	4.00			3116.00	
Stubb	1.00			3117.00	
Recorder	0.00	6838	Inside	3117.00	
Recorder	0.00	8875	Outside	3117.00	
Perforations	5.00			3122.00	
Bullnose	4.00			3126.00	10.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Farmer John O Inc

36-16s-10E Lyon,KS

PO Box 352
Russell KS 67665

Dorcas B #1

Job Ticket: 66091

DST#: 1

ATTN: Austin Klaus

Test Start: 2020.12.05 @ 10:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	HOCM 30%O 70%M	0.049
245.00	GO 10%G 90%O	1.205
0.00	30 GIP 100%G	0.000

Total Length: 255.00 ft Total Volume: 1.254 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1 1/2#LCM

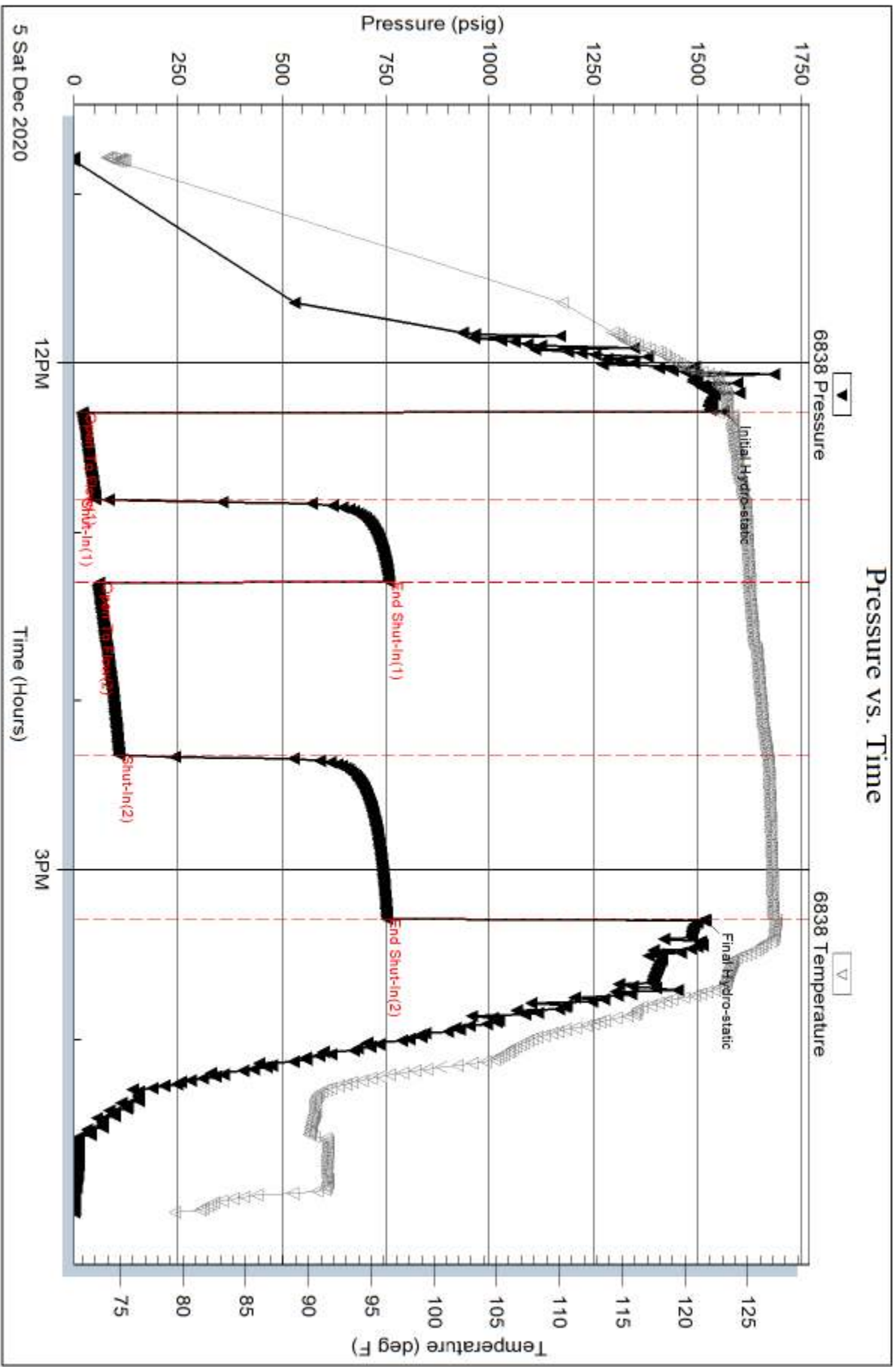
Serial #: 6838

Inside

Farmer John O Inc

Dorcas B #1

DST Test Number: 1

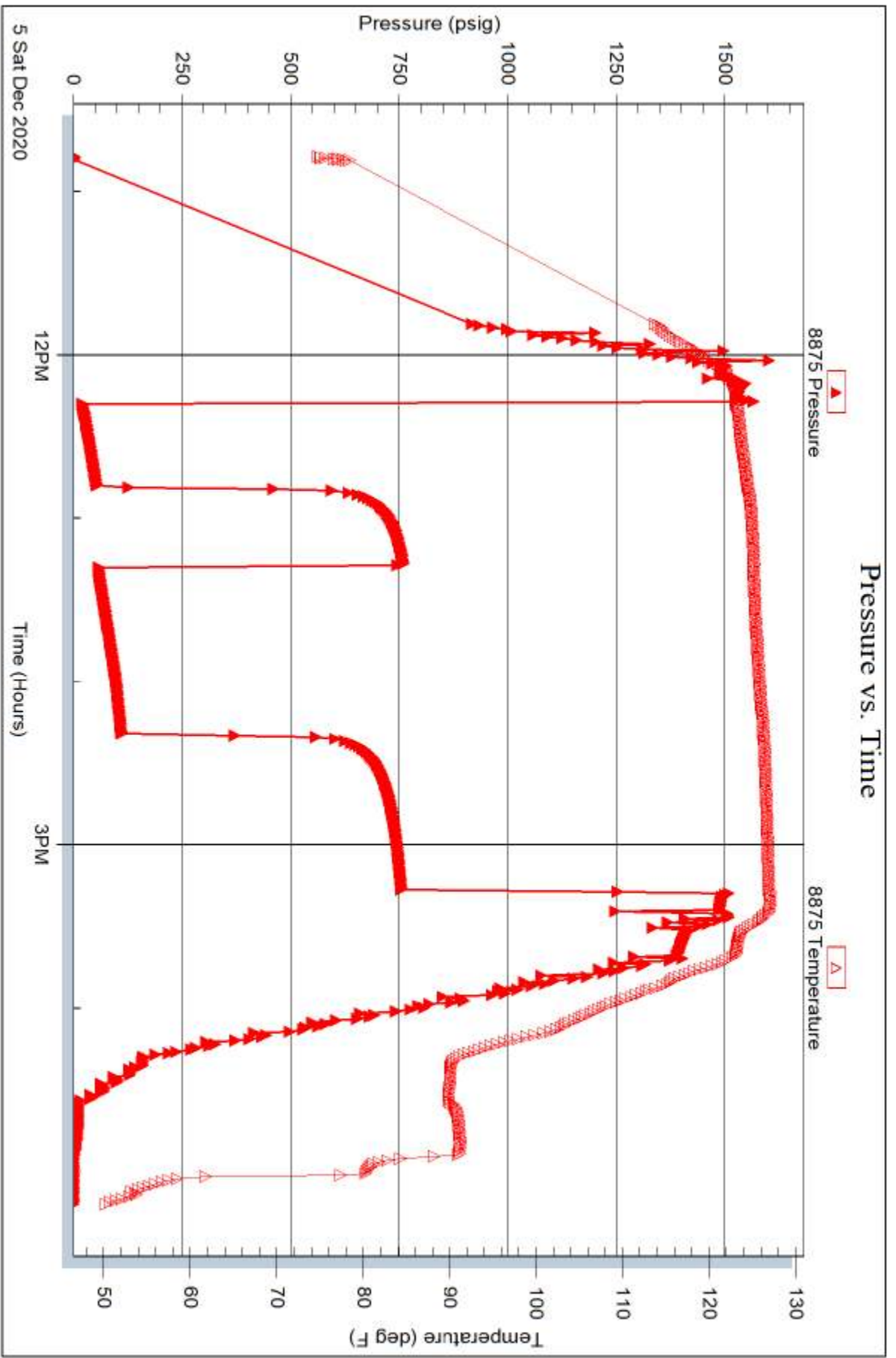


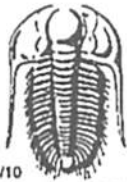
Serial #: 8875

Outside Farmer John O Inc

Dorcas B#1

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66901

Well Name & No. Dorcas B#1 Test No. 1 Date 12/05/2020
 Company Farmer, John O., Inc Elevation 1327 KB 1315 GL
 Address 370 W Wichita Ave PO BOX 352 Russell KS 67865
 Co. Rep / Geo. Austin Klaus Rig Lighthouse
 Location: Sec. 36 Twp 16A Rge. 10E Co. Lyon State Ks

Interval Tested 3116' - 3126' Zone Tested Simpson Jr
 Anchor Length 10' Drill Pipe Run 2815' Mud Wt. 9.4
 Top Packer Depth 311' Drill Collars Run 305' Vis 62
 Bottom Packer Depth 3116' Wt. Pipe Run - WL 7.2
 Total Depth 3126' Chlorides 500 ppm System LCM 1.5#

Blow Description 77-Weak; Built to 1 1/4"
75D - No Return
77-Weak; Built to 2"
75D - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>HOCM</u>	<u>30</u>	<u>70</u>	<u>70</u>	<u>70</u>
<u>245'</u>	<u>GO</u>	<u>10</u>	<u>90</u>		
<u>30'</u>	<u>GIP</u>	<u>100</u>			

Rec Total 255' BHT 127° Gravity 240 API RW - @ - F Chlorides - ppm

(A) Initial Hydrostatic 1565 Test 1200 T-On Location 10:10
 (B) First Initial Flow 20 Jars - T-Started 10:47
 (C) First Final Flow 51 Safety Joint - T-Open 12:15
 (D) Initial Shut-In 757 Circ Sub - T-Pulled 15:15
 (E) Second Initial Flow 60 Hourly Standby - T-Out 17:12
 (F) Second Final Flow 109 Mileage 38427 340 Comments loaded after test
 (G) Final Shut-In 752 Sampler -
 (H) Final Hydrostatic 1520 Straddle - EM Tool 350
 Ruined Shale Packer -
 Ruined Packer -
 Extra Copies -
 Sub Total 0
 Total 1790
 Sub Total 1790 MP/DST Disc't -

Approved By _____ Our Representative Spencer J. Smith *Thanks!*

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.

785-259-0056