

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	JACKSON 1-A
Doc ID	1598691

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	JACKSON 1-A
Doc ID	1598691

Tops

Name	Top	Datum
Mississippi	2434'	(-1080)
Kinderhook	2814'	(-1460)
Hunton	2950'	(-1596)
Maquoketa	2960'	(-1606)
Viola	3034'	(-1680)
Simpson Sand	3141'	(-1787)
Arbuckle	3180'	(-1826)
L.T.D.	3216'	(-1862)

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



Cement or Acid Field Report
 Ticket No. 5805
 Foreman Kevin McCoy
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
8-8-21	1424	JACKSON # 1 A	35	16S	10E	Lyon	Ks
Customer	Mailing Address	City	State	Zip Code	Safety Meeting	Unit #	Driver
Lighthouse Drilling Co.	P.O. Box 1118	Eldorado	Ks	67042	KM AM SM	104 110	ALAN M. STEVE M.

Job Type SURFACE Hole Depth 220' Slurry Vol. 32 BBL Tubing _____
 Casing Depth 202' G.L. Hole Size 12 1/4 Slurry Wt. 15" Drill Pipe _____
 Casing Size & Wt. 8 5/8" 23 # Cement Left in Casing 20' +/- Water Gal/SK _____ Other _____
 Displacement 14.2 BBL Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: SAFETY Meeting: Rig up to 8 5/8 CASING. BREAK CIRCULATION w/ 5 BBL FRESH WATER. Mixed 135 SKS CLASS 'A' CEMENT w/ 3% CACL2, 2% GEL @ 15 #/GAL = 32 BBL SLURRY. Displace w/ 14.2 BBL FRESH WATER. Shut Casing in. Good Cement Returns to SURFACE = 5 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	890.00	890.00
C 107	60	Mileage	4.20	252.00
C 200	135 SKS	CLASS 'A' CEMENT	17.35	2342.25
C 205	380 #	CACL2 3%	.69 #	262.20
C 206	250 #	GEL 2%	.28 #	70.00
C108.B	6.35 TONS	Ton Mileage 60 miles	1.40	533.40
			Sub Total	4349.85
			Sales Tax 7.5%	206.58

Authorization By Charles Coulter Title Lighthouse Drilling Total 4550.43

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



Lighthouse
 Drilg. Co.

Cement or Acid Field Report
 Ticket No. **5809**
 Foreman Kevin McCoy
 Camp EUREKA

API # 15-111-20556

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
8-13-21	1277	JACKSON #1A	35	165	10E	LYON	Ks
Customer		Safety Meeting		Unit #	Driver	Unit #	Driver
John O FARMER, INC		Km Am Bw SF		104	ALAN M.		
Mailing Address				112	BROKER W.		
P.O. Box 352				141	SHANNON F.		
City	State	Zip Code					
Russell	Ks	67665					

Job Type LONGSTRING Hole Depth 3220' K.B. Slurry Vol. 41 BBL ^{PRODUCTION CASING} Tubing _____
 Casing Depth 3214' K.B. Hole Size 7 7/8 Slurry Wt. 13.8" Drill Pipe _____
 Casing Size & Wt. 5 1/2" 15.50" Cement Left in Casing 34' SJ Water Gal/SK 9.0 Other _____
 Displacement 77.2 BBL Displacement PSI 550 Bump Plug to 1050 PSI BPM _____

Remarks: Safety Meeting: 5 1/2" 15.50" Casing Set @ 3214' K.B. Rig up to 5 1/2" Casing. BREAK Circulation w/ 10 BBL KCL WATER Flush, 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/ 77.2 BBL Fresh water. (KCL in first 10 BBL) FINAL Pumping pressure 550 PSI. Bump Plug to 1050 PSI. Wait 2 mins. Release pressure, Float & Plug Held. Good Circulation while Cementing. Job Complete. Rig down.

Note: Plug R.H. 30 SKS M.H. 20 SKS
 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	1100.00	1100.00
C 107	60	Mileage	4.20	252.00
C 201	175 SKS	THICK Set Cement	22.55	3946.25
C 207	875 #	Kol-Seal 5" /SK	.52 #	455.00
C 208	175 #	PhenoSeal 1" /SK	1.45 #	253.75
C 108 B	9.63 Tons	Ton Mileage 60 miles	1.40	808.92
C 113	4 Hrs	80 BBL VAC TRUCK	90.00	360.00
C 224	3000 GALS	CITY WATER	11.00/1000	33.00
C 421	1	5 1/2 LATCH DOWN PLUG	266.00	266.00
C 691	1	5 1/2 Guide Shoe	193.00	193.00
C 674	1	5 1/2 AFU FLOAT COLLAR w/ LATCH DOWN INSERT	395.00	395.00
C 604	1	5 1/2 Cement BASKET	260.00	260.00
C 504	7	5 1/2 x 7 7/8 CENTRALIZERS	55.00	385.00
C 112	1	5 1/2 Rotating Cementing SWIVEL RENTAL (Did not use)	N/C	NIC
C 222	1 GAL	KCL	30.00	30.00
			Sub Total	8737.92
			Less 5%	460.21
			Sales Tax	466.28

THANK YOU
 M

Authorization Kevin McCoy Title _____ Total 8,743.99

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.



DRILL STEM TEST REPORT

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

PO Box 352
Russel, KS 67665-0352

ATTN: Austin Klaus

Jackson #1A

35-16S-10E Lyon,KS

Start Date: 2021.08.11 @ 22:11:00

End Date: 2021.08.12 @ 05:53:30

Job Ticket #: 67129 DST #: 1

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

Printed: 2021.08.12 @ 08:39:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O. Farmer, Inc
 PO Box 352
 Russel, KS 67665-0352
 ATTN: Austin Klaus

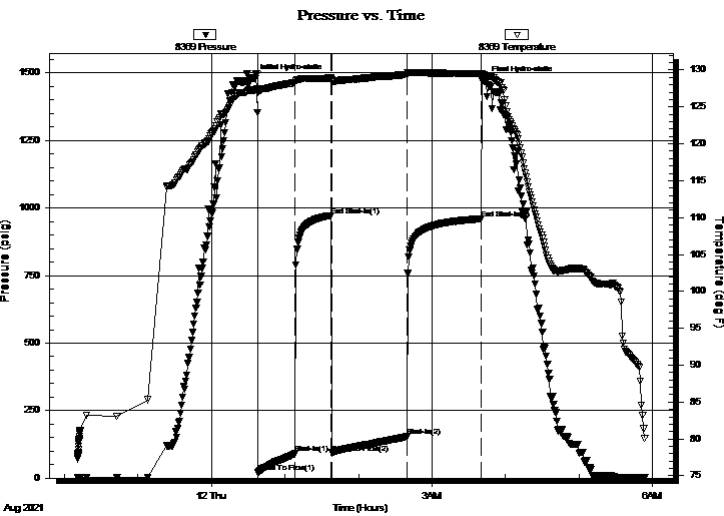
35-16S-10E Lyon, KS
Jackson #1A
 Job Ticket: 67129 **DST#: 1**
 Test Start: 2021.08.11 @ 22:11:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:37:40
 Time Test Ended: 05:53:30
 Interval: **3139.00 ft (KB) To 3150.00 ft (KB) (TVD)**
 Total Depth: 3150.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1354.00 ft (KB)
 1342.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8369 Outside
 Press@RunDepth: 153.28 psig @ 3140.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.08.11 End Date: 2021.08.12 Last Calib.: 2021.08.11
 Start Time: 22:11:01 End Time: 05:53:30 Time On Btm: 2021.08.12 @ 00:35:00
 Time Off Btm: 2021.08.12 @ 03:42:50

TEST COMMENT: IF - Weak blow building to 9"
 FF - Weak blow building to strong blow 53 minutes Built to 13"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1477.98	127.29	Initial Hydro-static
3	20.46	126.96	Open To Flow (1)
34	90.09	128.30	Shut-In(1)
63	972.41	128.90	End Shut-In(1)
64	93.10	128.63	Open To Flow (2)
125	153.28	129.39	Shut-In(2)
185	960.65	129.50	End Shut-In(2)
188	1470.29	129.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	HOCM 30% O & 70% M	0.52
260.00	GCO 100% O	2.40

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O. Farmer, Inc

35-16S-10E Lyon, KS

PO Box 352
Russel, KS 67665-0352

Jackson #1A

Job Ticket: 67129

DST#: 1

ATTN: Austin Klaus

Test Start: 2021.08.11 @ 22:11:00

Tool Information

Drill Pipe:	Length: 2893.00 ft	Diameter: 3.80 inches	Volume: 40.58 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 41.77 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3139.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	0.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3120.00	
Shut In Tool	5.00			3125.00	
Hydraulic tool	5.00			3130.00	
Packer	5.00			3135.00	20.00 Bottom Of Top Packer
Packer	4.00			3139.00	
Stubb	1.00			3140.00	
Recorder	0.00	8369	Outside	3140.00	
Recorder	0.00	8846	Inside	3140.00	
Perforations	5.00			3145.00	
Bullnose	5.00			3150.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O. Farmer, Inc

35-16S-10E Lyon,KS

PO Box 352
Russel, KS 67665-0352

Jackson #1A

Job Ticket: 67129

DST#: 1

ATTN: Austin Klaus

Test Start: 2021.08.11 @ 22:11:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	HOCM 30% O & 70% M	0.516
260.00	GCO 100% O	2.399

Total Length: 365.00 ft

Total Volume: 2.915 bbl

Num Fluid Samples: 0

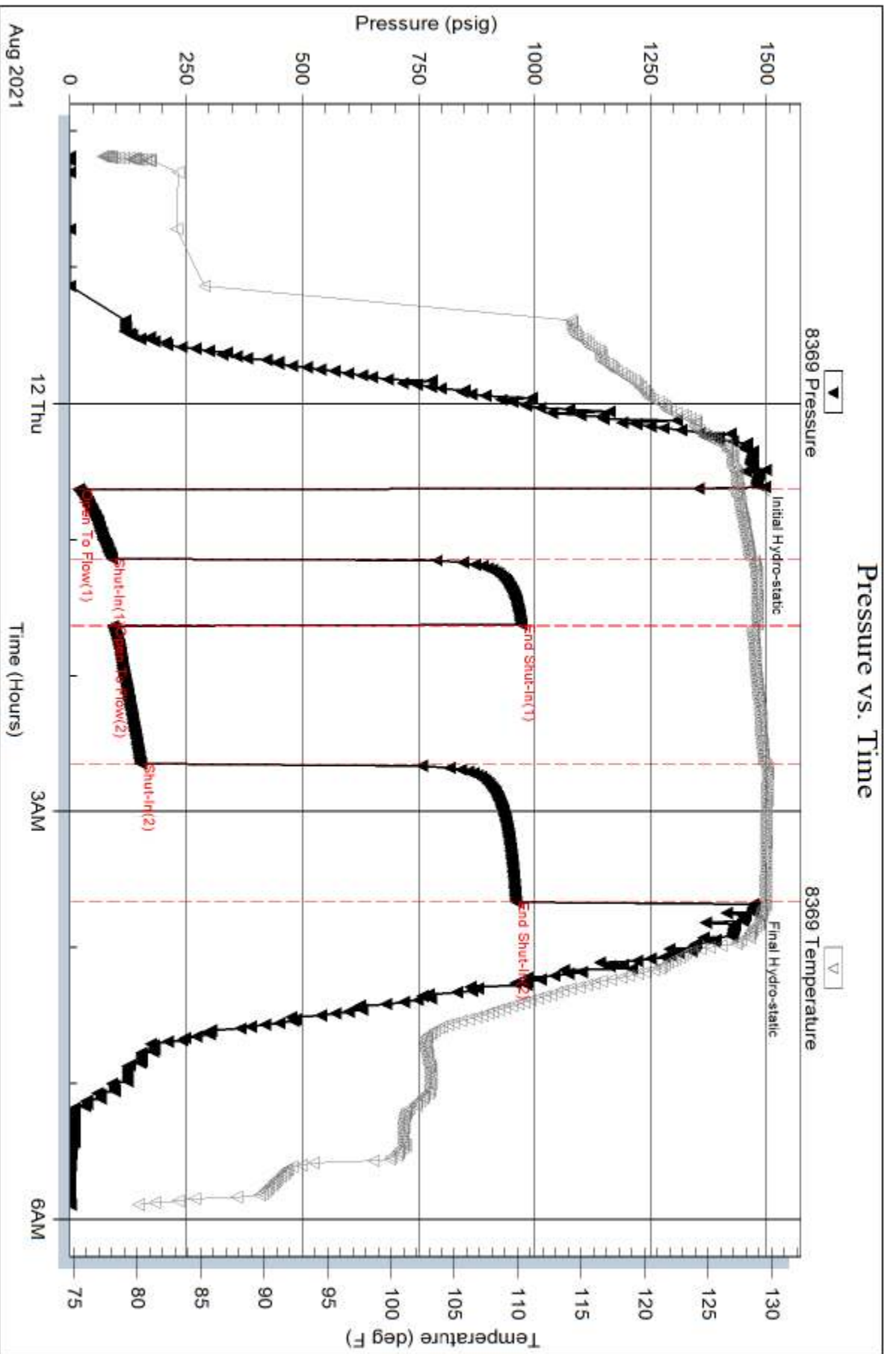
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



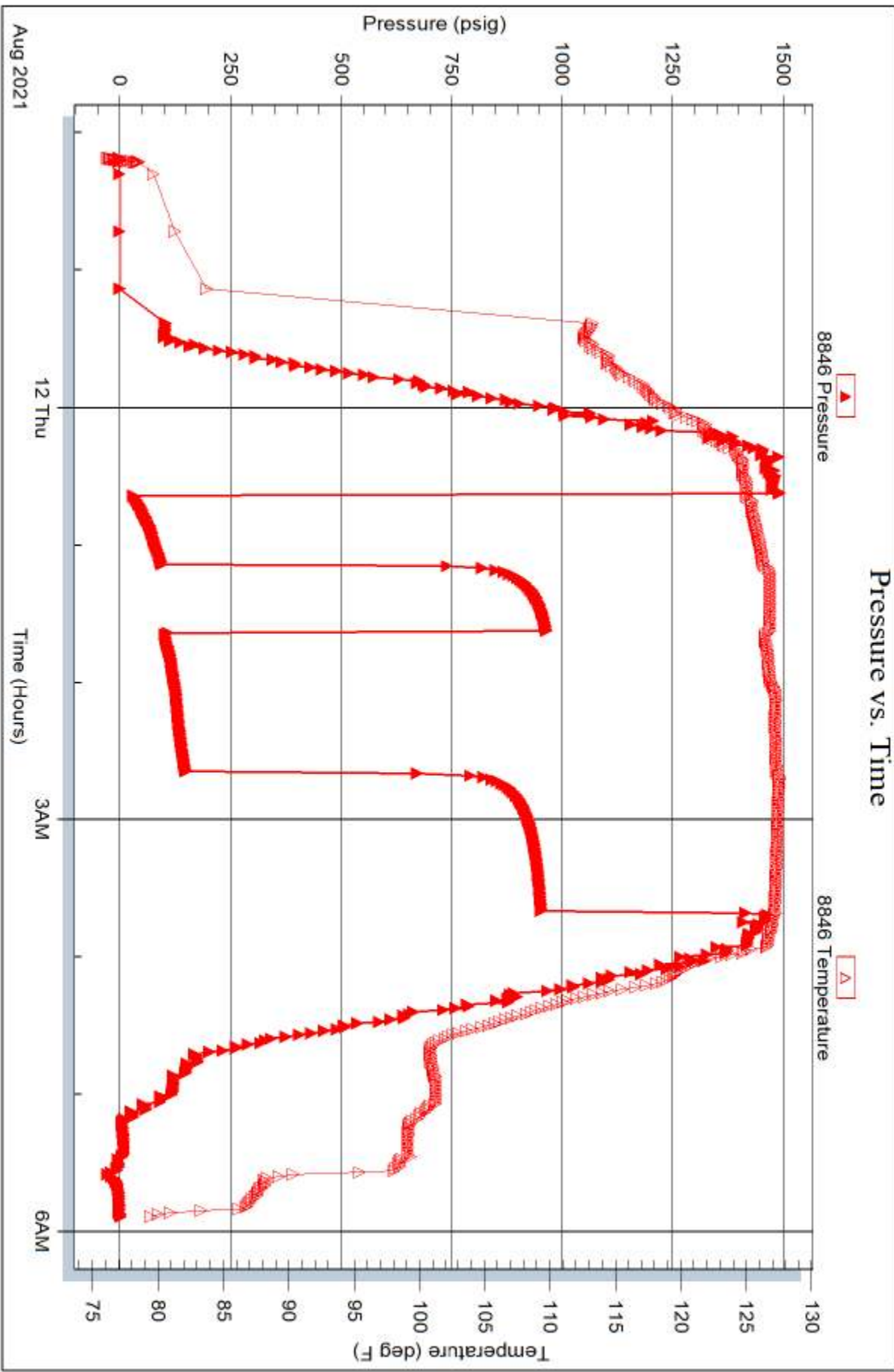
Serial #: 8846

Inside

John O. Farmer, Inc

Jackson #1A

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67129

Well Name & No. Jackson # 1-A Test No. 1 Date 8-12-21
 Company John O. Farmer Inc. Elevation 1354 KB 1342 GL
 Address 370 West Wichita Avenue P.O. Box 352 Russell, KS, 67665
 Co. Rep / Geo. J. Farmer IV / Austin Klaus Rig Lighthouse # 1 0352
 Location: Sec. 35 Twp 16 S Rge 10 E Co. Lyon State KS

Interval Tested 3139-3150 Zone Tested Simpson Sand
 Anchor Length 11' Drill Pipe Run 2950 2893 Mud Wt. 8.9.0
 Top Packer Depth 3134 Drill Collars Run 186 242 Vis 48
 Bottom Packer Depth 3139 Wt. Pipe Run 0 WL _____
 Total Depth 3150 Chlorides 300 ppm System LCM _____
 Blow Description IF-Weak blow building to 9 inches of water IFP
FF-Weak blow building to strong blow 53 mins into FFP
Continuing to build to 13 inches of water

Rec	Feet of	%gas	%oil	%water	%mud
<u>260</u>	<u>Gassy Clean Oil</u>	<u>100</u>			
<u>105</u>	<u>OCM</u>	<u>30</u>			<u>70</u>
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 365 BHT 130 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1478 Test 1300 T-On Location 2030
 (B) First Initial Flow 20 Jars _____ T-Started 2211
 (C) First Final Flow 90 Safety Joint _____ T-Open 0038
 (D) Initial Shut-In 972 Circ Sub _____ T-Pulled 0340
 (E) Second Initial Flow 93 Hourly Standby _____ T-Out 0540
 (F) Second Final Flow 153 Mileage 344rt 430 RT145 Comments _____
 (G) Final Shut-In 961 Sampler _____
 (H) Final Hydrostatic 1470 Straddle _____
 EM Tool _____
 Ruined Shalo Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 61 Day Standby _____
 Final Shut-In 61 Accessibility _____
 Sub Total 1980 Sub Total _____
 Total 1980 Total _____
 MP/DST Disc't _____

Approved By _____ Our Representative Jimmy Dickel

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.



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: Jackson #1-A
API: 15-111-20556-00-00
Location: Lyon County
License Number:
Spud Date: 8/7/2021
Surface Coordinates: 1,890' FNL & 355' FEL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 1,342
Logged Interval (ft): 2,400
Formation: Mississippian - Arbuckle
Type of Drilling Fluid: Chemical (Lighthouse Drilling)

Region: Kansas
Drilling Completed: 8/12/2021

K.B. Elevation (ft): 1,354
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 Jackson #1-A well was drilled by Lighthouse Drilling Rig #1 (Tool Pusher: Charlie Coulter).

The location for the Jackson #1-A 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 & Simpson Sand. Structurally, the Simpson Sand top was picked 3' low to the comparison well (Dorcas Unit #1, John O. Farmer, Inc.). Good rock samples and a corresponding drilling break were noted within the Simpson Sand section. Therefore, a drill stem test was conducted, which yielded 260' clean oil, 105' oil cut mud w/ 972# bottom-hole pressure. After evaluation of all oil shows, DST results, & electric logs, it was decided that 5-1/2" production be set to further evaluate the Jackson #1-A well on August 13, 2021.

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

Vuggy
SORTING
W Well
M Moderate
P Poor

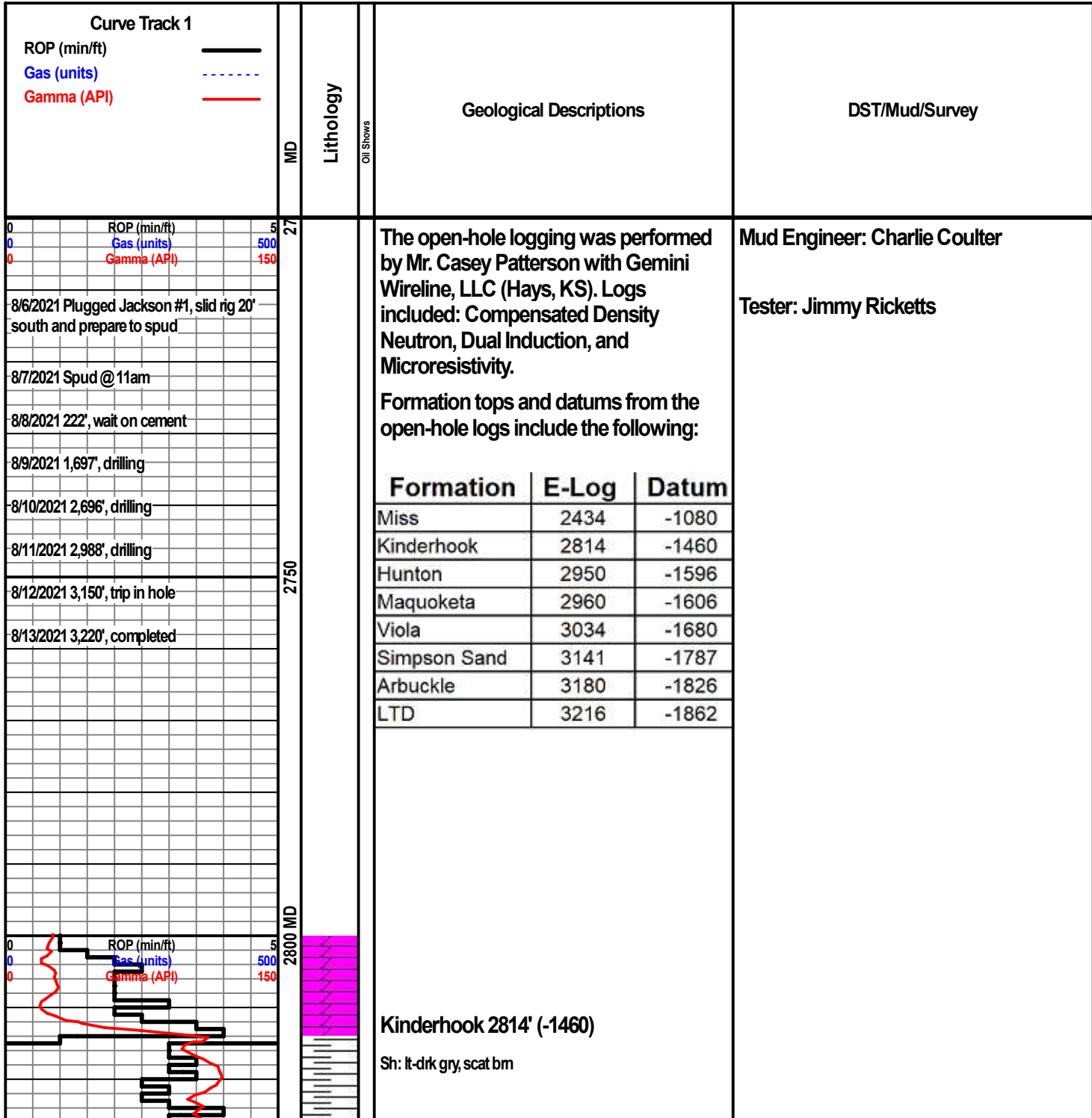
ROUNDING
R Rounded
r Subrnd
a Subang
A Angular

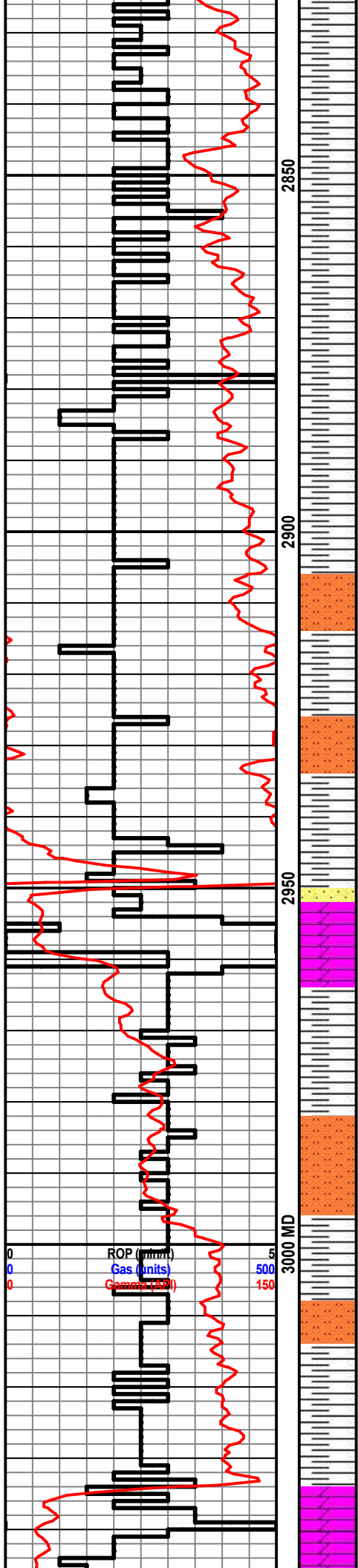
Spotted
 Ques
 Dead

EVENT
 Rft
 Sidewall

OIL SHOW
 Even

INTERVAL
 Core
 Dst





Sh: lt-drk gry-bm

Sh: drk gry

Sh: drk gry, scat blk

Sh: lt gry, scat soft

Sh: lt gry, scat blk

Sh: lt gry, scat sltst

Sh: ala

Hunton 2951' (-1597)

Ss: qtz, off wh, fn-md gm, fair sorting, fairly md, good int gm porosity, good oil sat, S-FSFO, good odor, yel fluor

Maquoketa 2961' (-1607)

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

Sh: lt gry, scat sltst, scat pyrite

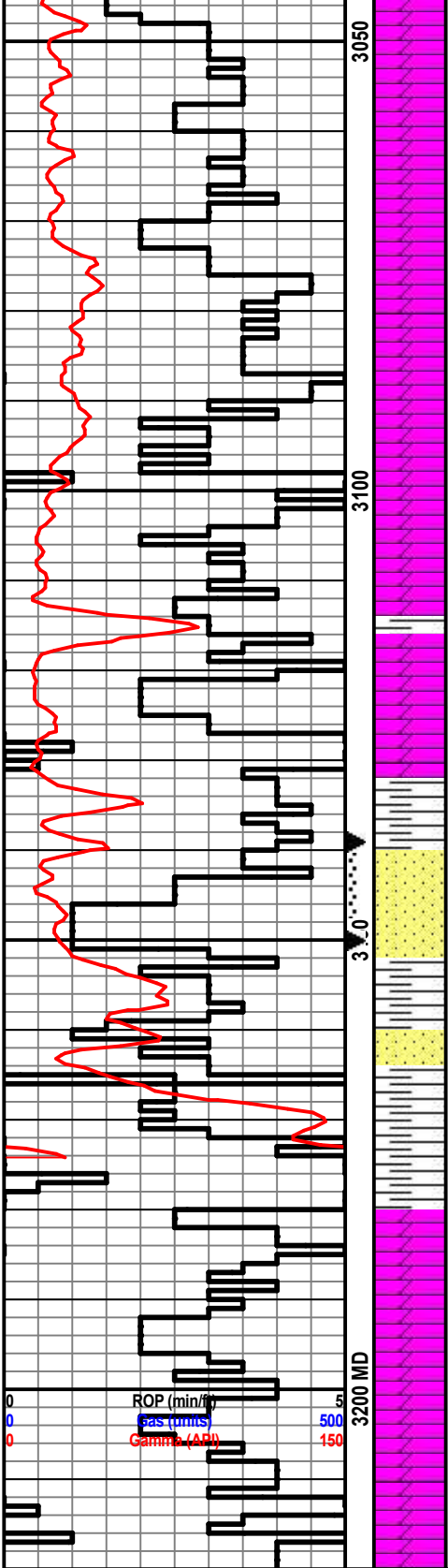
Sh, Sltst: ala

Sh: lt-drk gry, scat blk

Sh: lt gry, scat soft

Viola 3037' (-1683)

Dolo: off wh-lt gry, fn-md xln, vry DNS, poor int xln porosity, barren



Dolo: off wh-lt gry, fn-md xln, DNS, poor int xln porosity, barren, chert: drk gry-bm, trip

Dolo: tan-bm, fn xln, DNS, scat poor int xln porosity, barren, chert: drk gry-bm

Dolo: tan-bm, fn xln, vry DNS, barren, hvly chert: drk gry-bm, trip

Dolo: tan-bm, fn-md xln, scat fair int xln porosity, barren, scat sh: blk

Dolo: drk bm, fn-md xln, scat fair int xln porosity, barren

Simpson Dolo 3124' (-1770)

Dolo: tan-bm, fn-md xln, poof-fair, few pcs good int xln porosity, scat dead tary oil strn, VSSFO, lt-fair odor, scat pyrite

Dolo: ala, scat qtz: tan-bm, fn-md gm, md, NSFO

Simpson Sand 3140' (-1786)

Ss: qtz, off wh, fn-md gm, poor-fair sorting, fair-good int gm porosity, mostly md, friable, F-GSFO, good odor, fair yel fluor

Sh: drk gry-bm

Ss: qtz, off wh-lt gry, fn-md gm, poorly sorted, poor-fairly md, poor int gm porosity, NSFO

Sh: lt-drk gry

Arbuckle 3180' (-1826)

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

Dolo: ala

Dolo: off wh-tan-bm, fn-sub xln, DNS, scat chert-off wh

DST #1 3, 139-3, 150' Simpson Sand

30"-30"-60"-60"

IF: weak blow built to 9", no blow back

FF: weak blow built to 13", no blow back

Rec: 260' Gassy Clean Oil (34 gravity)

105' OCM (30% Oil, 70% Mud)

FP: 20-90, 93-153#

SIP: 972-961#

HP: 1478-1470#

BHT: 130

