

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	Carmen Schmitt, Inc.
Well Name	H&V FARMS 2-35
Doc ID	1570118

Tops

Name	Top	Datum
Stone Corral	2604	376
Topeka	3772	-792
Heebner	3975	-995
Toronto	3998	-1018
Lansing	4012	-1032
BKC	4275	-1295
Marmaton	4286	-1306
Pawnee	4384	-1404
Ft. Scott	4420	-1440
Cherokee	4454	-1474
Mississippi	4580	-1600

COPELAND

Acid & Cement

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

INVOICE NUMBER:
C60271B-IN

BILL TO:
CARMEN SCHMITT, INC.
PO BOX 47
GREAT BEND, KS 67530

LEASE: H & V FARMS 2-35 NEW WELL

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
03/25/2021	60271		03/20/2021	H & V FARMS 2-35 NEW	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
		NEW WELL				
20.00	MI	MILEAGE CEMENT PUMP TRUCK		22.00	4.00	62.40
1.00	EA	PUMP CHARGE SURFACE		22.00	1,100.00	858.00
220.00	SK	60/40 POZ MIX 2% GEL		22.00	11.25	1,930.50
12.00	SK	CALCIUM CHLORIDE		22.00	40.00	374.40
232.00	EA	BULK CHARGE		22.00	1.25	226.20
204.16	MI	BULK TRUCK - TON MILES		22.00	1.10	175.17
<p><i>7/10/43</i> <i>19861.0235</i> <i>BCP Well A/c</i> <i>Surface Cement</i></p>						
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice: 3,626.67		
RECEIVED BY _____		NET 30 DAYS		THOMCO Sales Tax: 190.15		
				Invoice Total:		3,816.82

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

COPELAND

Acid & Cement



NEW WELL

FIELD ORDER

N° C _____ 60271

BOX 438 - HAYSVILLE, KANSAS 67060
316-524-1225

DATE 20-Mar 20 21

IS AUTHORIZED BY: CARMEN SCHMITT INC (NAME OF CUSTOMER)

Address _____ City _____ State KS

TO TREAT WELL

AS FOLLOWS Lease H & V FARMS Well No. 2 - 35 Customer Order No. _____

Sec. Twp. _____

Range _____ County THOMAS State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED
BEFORE WORK IS COMMENCED

Well Owner or Operator _____

By _____

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0002	20	Mileage P.T.	\$4.00	\$80.00
20.0005	1	Pump Charge Surface	\$1,100.00	\$1,100.00
20.1002	220	60/40 Poz 2% Gel	\$11.25	\$2,475.00
20.1012	12	Calcium Chloride per 50 lb.	\$40.00	\$480.00
20.0011	232	Bulk Charge	\$1.25	\$290.00
20.0012	204.16	Bulk Truck Miles	\$1.10	\$224.58
		Process License Fee on	Gallons	
		TOTAL BILLING		\$4,649.58

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below. \$3626.67

Copeland Representative GREG C.

Station GB MATT SUCHY
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

SWIFT



Services, Inc.

P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
4/2/2021	35704

BILL TO
Carmen Schmitt, Inc. P. O. Box 47 915 Harrison Great Bend, KS 67530-0047

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-35	HPV Farms	Thomas	Southwind	Oil	Development	Top/Btm Longstr...	David
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	5.00	375.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	1,900.00	1,900.00
290	D-Air				5	Gallon(s)	42.00	210.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
403-5	5 1/2" Cement Basket				3	Each	275.00	825.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				10	Each	90.00	900.00T
330	Swift Multi-Density Standard (MIDCON II)				470	Sacks	17.00	7,990.00T
276	Flocele				125	Lb(s)	3.00	375.00T
581D	Service Charge Cement				470	Sacks	1.85	869.50
583D	Drayage				1,661	Ton Miles	0.95	1,577.95
	Subtotal							16,397.45
Customer Disc...	Customer Discount Per Ted						-10.00%	-1,639.75
	Subtotal							14,757.70
	Sales Tax Thomas County						8.25%	866.87
	19861.0235							
	710/43							

We Appreciate Your Business!

Total

\$15,624.57



CHARGE TO: Carman Scmitt
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET **35704**

PAGE 1 OF

SERVICE LOCATIONS 1. <u>Hays Ks</u> 2. <u>Ness City Ks</u>	WELL/PROJECT NO. <u>2-35</u>	LEASE <u>HPV Farms</u>	COUNTY/PARISH <u>Thomas</u>	STATE <u>Ks</u>	CITY	DATE <u>4-2-21</u>	OWNER
TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Southwind</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.		
WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Top To Bottom Long STRING</u>	WELL PERMIT NO.	WELL LOCATION			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>TRK # 111</u>	75	mi			5 ⁰⁰	375 ⁰⁰
529		1			Pump Charge - <u>Top To BTM L.S.</u>	1	EA			1900 ⁰⁰	1900 ⁰⁰
290		1			<u>D-Air</u>	5	Gal			42 ⁰⁰	210 ⁰⁰
281		1			<u>MudFLUSH</u>	500	Gal			1 ⁵⁰	750 ⁰⁰
221		1			<u>Liquid Kel</u>	2	Gal			250 ⁰⁰	50 ⁰⁰
403		1			<u>Cement Basket</u>	3	EA	5 1/2		275 ⁰⁰	825 ⁰⁰
406		1			<u>Catch Down Plug & Baffle</u>	1	EA			250 ⁰⁰	250 ⁰⁰
407		1			<u>Insert Float Shoe w/AUTO Gill</u>	1	EA			325 ⁰⁰	325 ⁰⁰
409		1			<u>TURBOLIZER</u>	10	EA			90 ⁰⁰	900 ⁰⁰

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

P.1	PAGE TOTAL	5585 ⁰⁰
P.2		10812 ⁴⁵
TOTAL		16397 ⁴⁵
10% Disc		-1639 ⁷⁵
TAX		14757 ⁹⁰
Thomas		866 ⁸⁷
TOTAL		15624 ⁵⁷

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR _____ APPROVAL _____

Thank You!



PO Box 466
 Ness City, KS 67560
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 35704

CUSTOMER <i>Carman Schmitt</i>	WELL <i>HPV farms 2-35</i>	DATE <i>4-2-21</i>	PAGE 2 OF 3
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	CUBIC FEET		TON MILES		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
<i>330</i>		<i>Z</i>				<i>SWIFT Multi Density</i>	<i>470</i>	<i>5x</i>			<i>17.00</i>	<i>7990.00</i>
<i>276</i>		<i>Z</i>				<i>Flocle</i>	<i>125</i>	<i>lbs</i>			<i>3.00</i>	<i>375.00</i>
						SERVICE CHARGE <i>Cement</i>	CUBIC FEET <i>470</i>	<i>5x</i>			<i>1.85</i>	<i>869.50</i>
						MILEAGE CHARGE <i>41305</i>	TOTAL WEIGHT	LOADED MILES <i>75</i>			<i>95</i>	<i>1577.95</i>

CONTINUATION TOTAL *10812.45*



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

Well Name: H&V Farms #2-35 - Carmen Schmitt, Inc.
API: 15-193-21083-00-00
Location: NE-SW-NW-NE, Section 35-08S-31W
License Number: KCC #6569
Spud Date: March 20, 2021
Surface Coordinates: 720' FNL & 2210' FEL,
of Section
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 2970 Ft.
Logged Interval (ft): 3600 Ft. To: 4635 Ft. Total Depth (ft): RTD 4635 Ft. LTD 4635 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical

Region: Thomas Co., Kansas
Drilling Completed: April 02, 2021
Results: Production Casing Set
Field: Schwartz North
K.B. Elevation (ft): 2980 Ft.

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

Operator

Company: Carmen Schmitt, Inc.
Address: PO Box 47
Great Bend, Kansas 67530+0047

Geologist

Name: M. Bradford Rine
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647
Address: 100 South Main, Suite #320A
Wichita, Kansas 67202

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to set production casing for further testing, on the H&V Farms #2-35, on April 01, 2021.

Respectfully submitted,
M. Bradford Rine, geologist

Drilling Information

Rig: Southwind Drlg, Rig #8
Pump: Emsco D-375 6x14
Drawworks: RMI 550
Collars: 463', 2-1/4" x 6-1/4"
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Frank Rome

Mud: Mudco (Reid Atkins)
Gas Detector: None
Drill Stem Tests: Trilobite (Walt Walters)
Logs: Midwest (D. Schmidt)
Water: Farm Pond NW of Location (Midwest Water Line)
Company Representatives:
Office: Carmen Schmitt
Field: Curtis Hitchmann, Nathen Philbern

Daily Drilling Status

Date:	Operations/Depth/Comments
03-20-21	MIRT, RU, Spud and Set Surface Pipe @ 0'
03-21-21	Shut Down for Crew Break @ 263'
03-22-21	Shut Down for Crew Break @ 263'
03-23-21	Shut Down for Crew Break and Rain @ 263'
03-24-21	Prepare to Drill Out @ 263'
03-25-21	Drilling @ 2442'
03-26-21	Bit Trip @ 3523'
03-27-21	Circulate for Samples @ 3950'
03-28-21	Trip Ou of Hole for DST #2 @ 4053'
03-29-21	Drilling @ 4108'
03-30-21	Drilling @ 4235'
03-31-21	Drilling @ 4405'
04-01-21	Drilling @ 4610'
04-02-21	Finish Cementing Casing Job at 4:30 AM @ 4635'

	Results: Oil			(Well A)	D&A	(Well B)	SWDW	(Well C)	Oil			
	Carmen Schmitt, Inc.			Murfin Drig Co.		Carmen Schmitt, Inc.		Carmen Schmitt, Inc.				
	H&V Farms #2-35			Steiger Unit #1-35		Schwarz #1-36		Steiger Unit #1-35				
	720'FNL & 2210'FEL			330'FWL & 1650'FNL		1150'FNL & 2200'FWL		600'FNL & 1250'FEL				
Sec. 35-08S-31W			Sec. 35-08S-31W		Sec. 36-08S-31W		Sec. 35-08S-31W					
	KB 2980			KB 2985		KB 2961		KB 2973		Well A	Well B	Well C
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparisons		
Anhydrite	2602	2604	376	2610	375	2578	383	2594	379	1	-7	-3
B/Anhydrite	2633	2635	345	2641	344	2610	351	2626	347	1	-6	-2
Tarkio	3650	3648	-668	3660	-675	3625	-664	3638	-665	7	-4	-3
Topeka	3770	3772	-792	3786	-801	3752	-791	3764	-791	9	-1	-1
Oread	3935	3936	-956	3950	-965	3920	-959	3927	-954	9	3	-2
Heebner Sh	3976	3975	-995	3989	-1004	3962	-1001	3969	-996	9	6	1
Toronto	3997	3998	-1018	4014	-1029	3984	-1023	3991	-1018	11	5	0
Lansing	4014	4012	-1032	4030	-1045	4000	-1039	4003	-1030	13	7	-2
Muncie Creek Sh	4134	4132	-1152	4150	-1165	4123	-1162	4125	-1152	13	10	0
Stark Sh.	4220	4216	-1236	4235	-1250	4203	-1242	4210	-1237	14	6	1
B/Kansas City	4278	4275	-1295	4294	-1309	4262	-1301	4264	-1291	14	6	-4
Marmaton	4286	4286	-1306	4308	-1323	4270	-1309	4276	-1303	17	3	-3
Pawnee	4382	4384	-1404	4410	-1425	4380	-1419	4372	-1399	21	15	-5
Ft. Scott	4420	4420	-1440	4445	-1460	4418	-1457	4413	-1440	20	17	0
Cherokee Sh	4455	4454	-1474	4475	-1490	4443	-1482	4445	-1472	16	8	-2
Cherokee Sdy/Cgl	4560	4556	-1576	NC		4558	-1597	4546	-1573	NA	21	-3
Mississippi	4580	4580	-1600	4602	-1617	4635	-1674	4566	-1593	17	74	-7
Total Depth	4635	4635	-1655	4662	-1677	4678	-1717	4666	-1693	22	62	38

Casing Record, Bit Record, Deviation Surveys, Pipe Straps

CASING:

Conductor: None

Surface: Ran 251' of 8-5/8" 20# Casing, set at 263'. (Consolidated) Cement with 220 sx Common 60/40 Poz, 3% CC, 2%gel. Plug Down at 10:00 PM, March 20, 2021. Cement did circulate.

Production: Ran 105 jts 5-1/2" 14# new casing, set @ 4406 ft. (Swift) Plugged Rathole with 30 sx, and Mousehole with 20 sx. Ran 500 gal mud flush, followed by 20 sx KCL flush. Cemented with 420 sx SMD. Plug down with 1800 psi, at 4:30 AM, April 02, 2021. Circulated 40 bbls to pit.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	Jz	Retip	0	263	2.5
2	7-7/8	Jz	PDC	263	3523	32.0
3	7-7/8	Jz	RX23	3523	4025	18.75
4	7-7/8	Jz	HA20TL	4025	4250	12.50
5	7-7/8	Jz	HA20TL	4250	4635	23.75

DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.75*	263'	0.00*	4250'
0.25*	3523'	0.25*	4635'
0.75*	4025'		

PIPE STRAPS:

Difference:	Depth:
0.23' Short	4025'

Displace/Mudup:

Displace: 3396'
Mud Up: 3420'

DST#1: 3970-4025 (Toronto, Lansing A)

Times: 15-30-45-60

**Initial Open: Stg Blow, b.o.b. 11 min,
built to 12.5"**

**Final Open: Stg Blow, b.o.b. 12 min,
built to 30"**

Rec: 260' Total Fluid, 160' gas in pipe

140' GMCO: 15%g 45%o 40%m

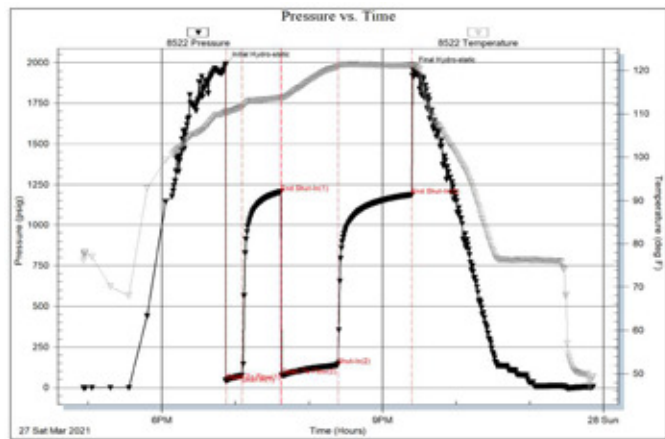
120' SOMCW: 02%o 85%w 13%m

IHP: 1989 FHP: 1956

IFP: 41-72 FFP: 76-138

ISIP: 1205 FSIP: 1187

BHT: 121°F



DST #2: 4027-4053 (Lansing C)

Times: 15-30-30-60

**Initial Open: Stg Blow, b.o.b. 12 min.,
built to 12.5"**

**Final Open: Stg Blow, b.o.b. 6 min.,
built to 29"**

Rec: 360' gas in pipe

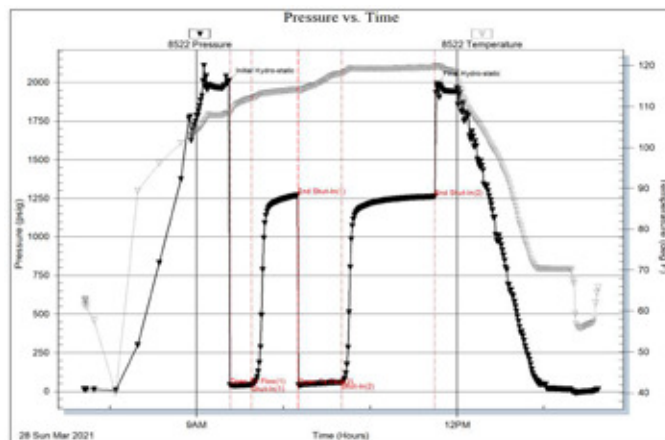
70' GMCO: 25%g 40%o-35%m

IHP: 2011 FHP: 1991

IFP: 40-42 FFP: 38-57

ISIP: 1270 FSIP: 1261

BHT: 119°F



DST #3: 4055-4103 (Lansing D,E,F)

Times: 15-30-30-60

**Initial Open: Stg Blow, b.o.b. 2 min,
built to 42", 1/4" Return Blow**

**Final Open: Stg Blow, b.o.b. 3 min,
built to 93.5", Return Blow built to 10.5"**

Rec: 360' Total Fluid, 1050' gas in pipe

210' GCO: 30%g 70%o

150' GMCO: 35%g 35%o 30%m

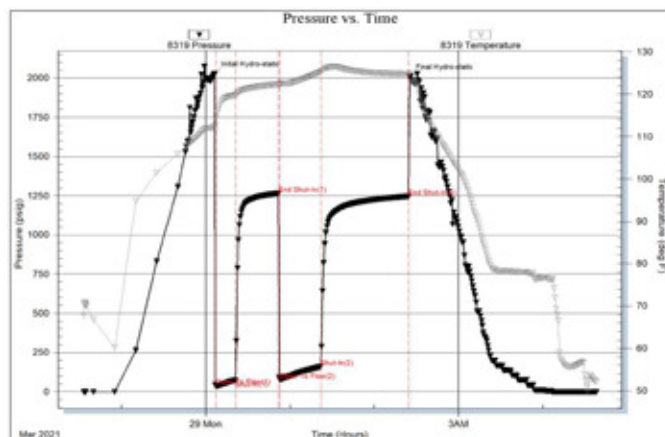
(Grav Oil: 37* API)

IHP: 2025 FHP: 2006

IFP: 40-72 FFP: 76-159

ISIP: 1264 FSIP: 1245

BHT: 123°F



DST #4: 4127-4175 (LKC H)

Times: 15-30-60-90

Initial Open: Stg Blow, b.o.b. 12 min,

Built to 11.5", 0.5" return blow

Final Open: Stg Blow, b.o.b. 11 min.

Built to 43.5", 1.6" Return blow

Rec: 280' Total Fluid, 330' gas in pipe

50' oil: 100%o

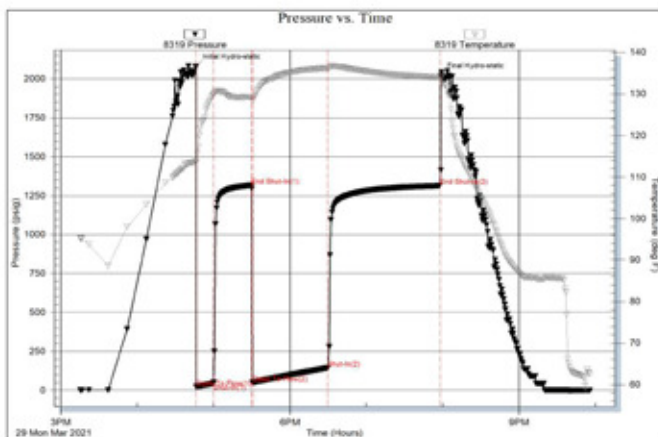
230' MCW: 80%w 20%m (53000 Chl)

IHP: 2078 FHP: 2018

IFP: 21-43 FFP: 48-143

ISIP: 1316 FSIP: 1313

BHT: 133°F



DST #5: 4165-4250 (LKC I,J,K)

Times: 15-30-30-30

Initial Open: Weak Blow, built to 0.50"

Final Open: Weak Blow, built to 0.70"

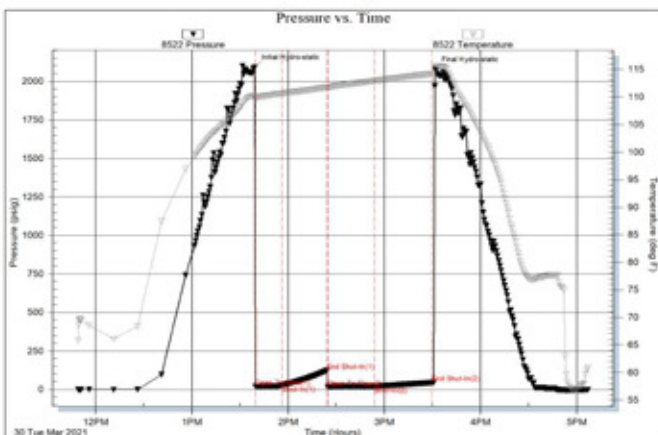
Rec: 20' mud with oil spots

IHP: 2090 FHP: 2077

IFP: 19-22 FFP: 15-19

ISIP: 123 FSIP: 44

BHT: 113°F



DST #6: 4364-4412 (Pawnee)

Times: 15-30-15-out

Initial Open: Weak Blow, built to 1"

Final Open: Weak Blow, built to 0.25"

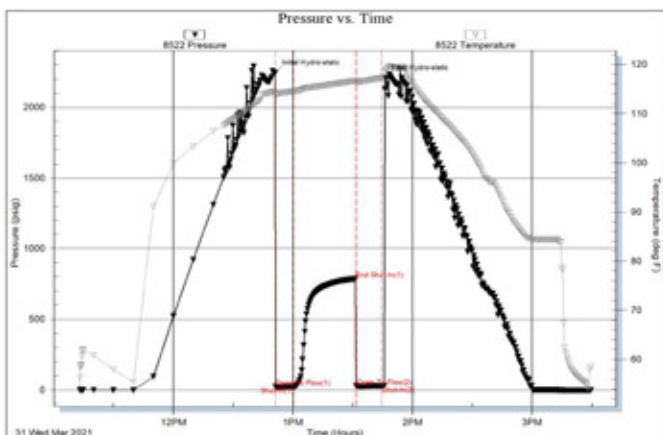
Rec: 20' mud

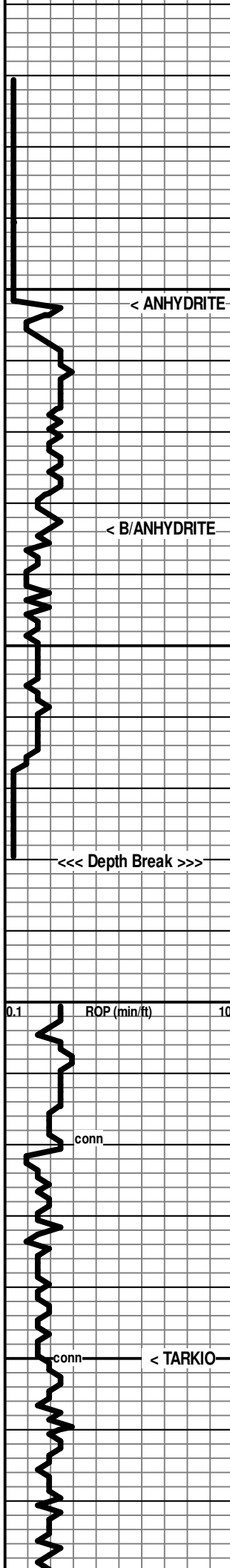
IHP: 2246 FHP: 2210

IFP: 22-23 FFP: 27-28

ISIP: 785 FSIP: NA

BHT: 117°F





2600

< ANHYDRITE

50

< B/ANHYDRITE

<<< Depth Break >>>

3600

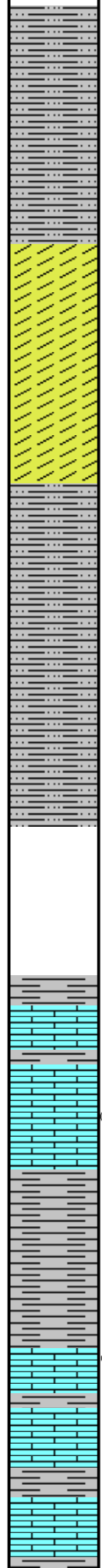
ROP (min/ft)

conn

3650

< TARKIO

conn



2602 (+378)

Anhydrite Interval, based on drill time only!

2633 (+347)

Displace & Mud up @
3396-3420 ft!

Bit Trip @ 3523 Ft!

Mud Check: Drlg @ 3526':
Vis Wt WL LCM PV YP
64 8.6 6.4 3 19 17
Chl Hd pH Solids
1500 10 11.5 2.0

3620' spl: 30% Sh gy-grn, silty in pt; 70% Ls cr-tan, fn xln, dns to pr vis xln por
[No Odor, Rr fnt spotty fluor, Scatt spotty lt stn, NSFO]

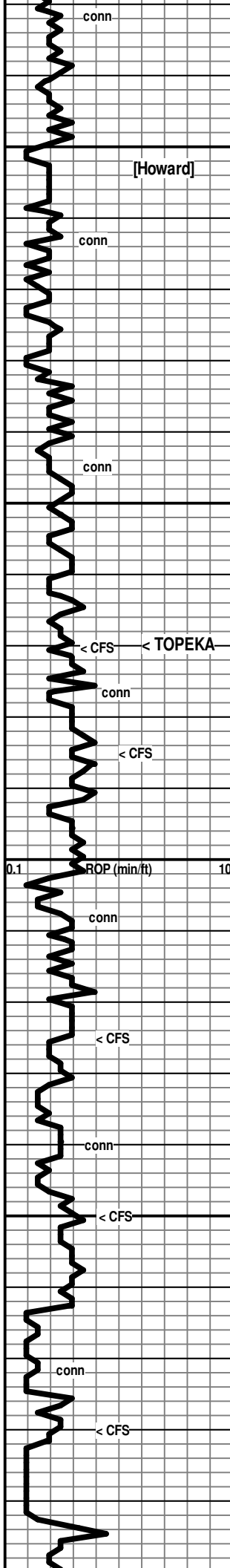
3640' spl: Ls cr-gy, fn xln, abund silty text, chalky in pt, dns-pr vis xln por, Rr foss
[No Odor, no fluor, Low % pcs with patches of spotty brn-dk brn-blk stn with trace of DO & gilsonite]

3650 (-670)

3660' spl: Ls cr-gy, fn xln, abund silty text, chalky in pt, dns-pr vis xln por, mod foss
[No Odor, Rr spots of fluor, Low % pcs with patches of spotty brn-dk brn-blk stn with trace of NVL & DO & gilsonite]

3680' spl: Ls wh-cr-gy, fn xln, silty text in pt, mostly dns with some pr xln por in patches
[No Odor, No fluor, Low % pcs with patches of spotty brn-dk brn-blk stn with trace shows of DO]

3700' spl: 25% Sh av-dk av-black, silty to carb in pt; 75% Ls



WOB 32K
RPM 80
PP 750
SPM 60

3700

[Howard]

3750

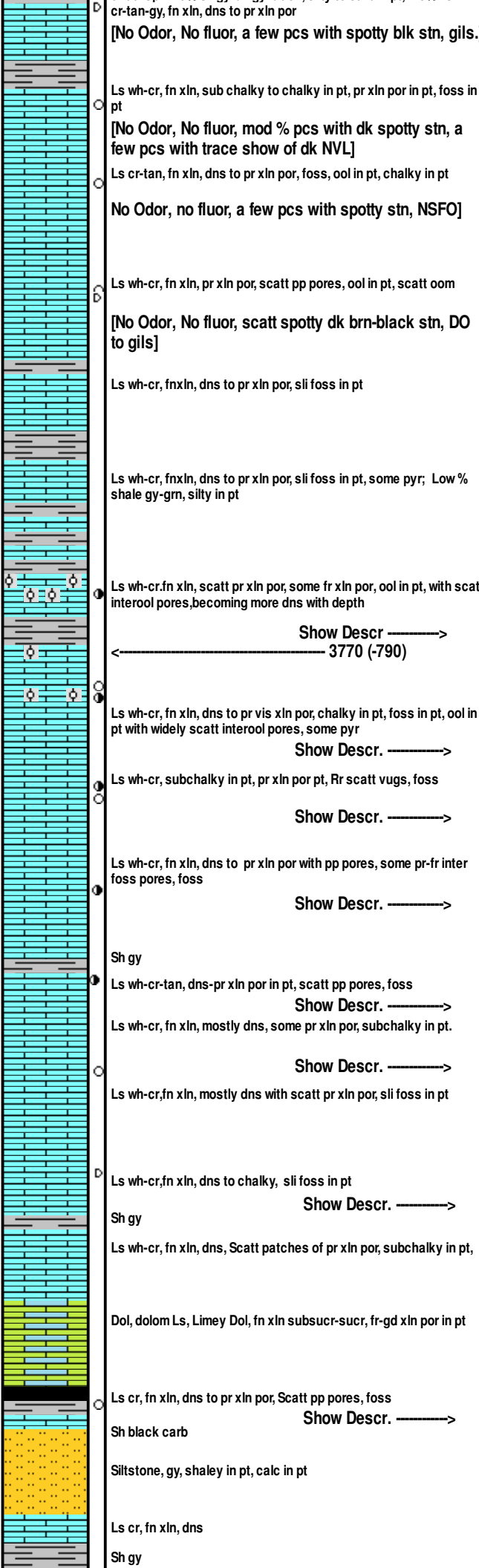
< CFS < TOPEKA

3800

< CFS

3850

< CFS



cr-tan-gy, fn xln, dns to pr xln por
[No Odor, No fluor, a few pcs with spotty blk stn, gils.]

Ls wh-cr, fn xln, sub chalky to chalky in pt, pr xln por in pt, foss in pt

[No Odor, No fluor, mod % pcs with dk spotty stn, a few pcs with trace show of dk NVL]

Ls cr-tan, fn xln, dns to pr xln por, foss, ool in pt, chalky in pt

No Odor, no fluor, a few pcs with spotty stn, NSFO]

Ls wh-cr, fn xln, pr xln por, scatt pp pores, ool in pt, scatt oom

[No Odor, No fluor, scatt spotty dk brn-black stn, DO to gils]

Ls wh-cr, fnxln, dns to pr xln por, sli foss in pt

Ls wh-cr, fnxln, dns to pr xln por, sli foss in pt, some pyr; Low % shale gy-grn, silty in pt

Ls wh-cr,fn xln, scatt pr xln por, some fr xln por, ool in pt, with scatt interool pores, becoming more dns with depth

Show Descr. —————>

3770 (-790)

Ls wh-cr, fn xln, dns to pr vis xln por, chalky in pt, foss in pt, ool in pt with widely scatt interool pores, some pyr

Show Descr. —————>

Ls wh-cr, subchalky in pt, pr xln por pt, Rr scatt vugs, foss

Show Descr. —————>

Ls wh-cr, fn xln, dns to pr xln por with pp pores, some pr-fr inter foss pores, foss

Show Descr. —————>

Sh gy

Ls wh-cr-tan, dns-pr xln por in pt, scatt pp pores, foss

Show Descr. —————>

Ls wh-cr, fn xln, mostly dns, some pr xln por, subchalky in pt.

Show Descr. —————>

Ls wh-cr,fn xln, mostly dns with scatt pr xln por, sli foss in pt

Ls wh-cr,fn xln, dns to chalky, sli foss in pt

Show Descr. —————>

Sh gy

Ls wh-cr, fn xln, dns, Scatt patches of pr xln por, subchalky in pt,

Dol, dolom Ls, Limey Dol, fn xln subsucr-sucr, fr-gd xln por in pt

Ls cr, fn xln, dns to pr xln por, Scatt pp pores, foss

Show Descr. —————>

Sh black carb

Siltstone, gy, shaley in pt, calc in pt

Ls cr, fn xln, dns

Sh gy

[Fnt Odor, scatt dull fluor, mod am't pcs with spotty to patchy lt brn to brn stn, mostly pr-fr shows of tan-brn oil, few pcs with gd show, v sli gassy in pt]

[Fnt Odor, Rr spots of dull fluor, low % pcs with scatt dk brn-blk spotty stn, Some NVL oil, some dead, some gils.]

[Fnt Odor, Rr dull fluor, low-mod% spotty brn stn, a few pcs with trace shows of NVL oil & DO]

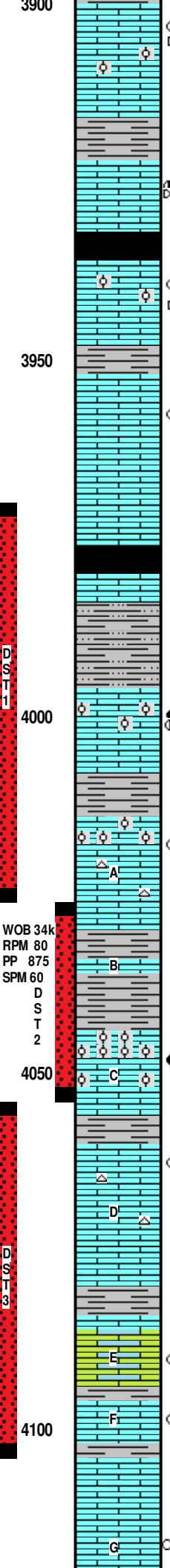
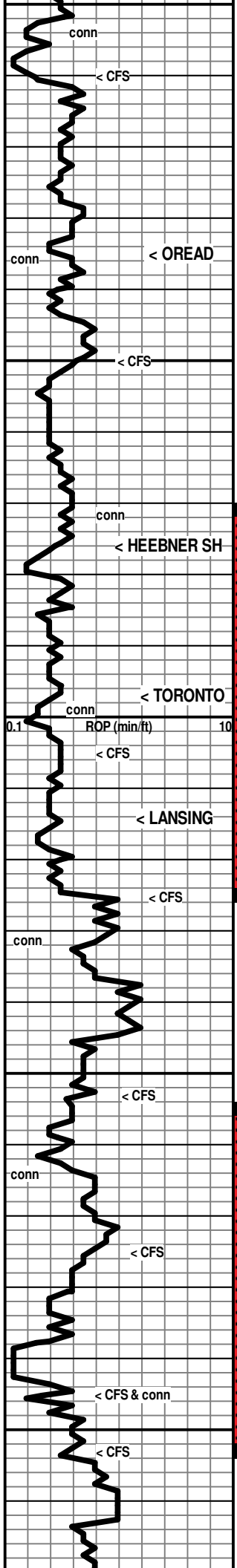
[Mild Odor, Rr dull fluor, mod am't of pcs with trace to sli shows of dk brn FO & NVL oil, a few pcs with fr shows]

[Fnt Odor, Rr dull fluor, mod am't pcs with spotty brn stn, trace to sli shows of dk brn FO & dk NVL oil, some blk reid stn]

[Fnt Odor, Rr dull fluor, low% pcs with brn to dkbrn spotty stn, trace of dk brn FO]

[Fnt Odor, No fluor, spotty blk stn of dead resid to gilsonitic]

[V Fnt Odor, No fluor, spotty brn stn, with trace of DO & NVL oil]



3900
 Ls & Ls congl, fn xln, abund pcs of re-cem Ls fragments with scatt interfrag pores, some micro-ool, foss in pt
 Show Descr. —————>

Ls wh-cr, fn xln, silty/grny text in pt, dns
 Sh gy, silty

Ls wh-cr, fn xln, mostly dns with scatt fragmenting with interfrag pores
 Show Descr. —————>

←————— 3935 (-955)

Ls wh-cr, fn xln, chalky in pt, pr xln por in pt, scatt pp pores & sm vugs, ool in pt with scatt interool pores
 Show Descr. —————>

Ls wh-cr, fn xln, dns

Ls wh-cr, fn xln, mostly dns, with scatt pr xln por, sli foss
 Show Descr. —————>

Ls wh-cr-tan, fn xln, subchalky in pt, dns in pt

←————— 3976 (-996)

Sh black, carb (poorly repres in spls in 3990' spl, good repres in 4000' spl)
 Ls cr-tan, vfn-fn xln, dns

Sh gy, silty in pt

←————— 3997 (-1017)

Ls wh, fn xln, pr xln por, mod am't of pp pores, scatt sm vugs, ool in pt, abund interool pores, becoming dns with depth

[Fnt Odor, Rr dull fluor, mod am't pcs with patchy to spotty to even brn-dk brn stn, fr-gd shows of NVL oil & FO]

←————— 4014 (-1034)

Ls wh-cr, fn xln, pr xln por, scatt pp pores & sm vugs, ool (fn-md) in pt with scatt interool pores, tr of fresh white opa q chert, becoming more dns with depth

[Mild Odor, Scatt dull fluor, mod am't pcs with spotty to patchy brn stn, mostly sli shows of NVL oil & gassy FO, some pcs with Fr shows FO]

Ls wh-cr, fn xln, dns, foss
 Sh gy-red-brn-grm, soft (washes red)

Ls wh-cr, fn xln, chalky in pt, scatt pr xln por, scatt pp pores & sm vugs, ool-packed ool with scatt interool pores, cem in pt

[Mod Odor, abund mod-brt fluor, abund pcs with tan-brn-dk brn stn in pores and patchy & even stn, vugs & interool pores, abund sli-fr shows of lt brn-dk brn gassy FO, some NVL]

Ls wh-cr, fn xln, mostly dns with scatt pr xln por, scatt pp & foss mold pores, Rr sm vugs, foss in pt, chert: fresh, tan, subopa q, becomes more dns with depth

[Mild Odor, Scatt dull fluor, Scatt spotty & some patchy tan-brn stn, mod am't pcs with trace-sli-fr shows of NVL dk brn oil and tan-brn FO]

Sh gy-red-grm
 Dol & dolom Ls, wh-cr, fn xln, subsucr-sucr, pr-fr xln por, scatt pp pores & small vugs, foss in pt

[Stg sli sour odor, mod am't of dull-mod fluor, mod am't of pcs with spotty-patchy-even brn stn, mod am't pcs with sli-fr shows of brn gassy FO, dk brn NVL oil, and blk resid DO, mod am't barren pcs]

Ls wh-cr, fn xln, ns-pr xln por, scatt pp pores & s vugs, foss in pt, ool in pt
 Show Descr. —————>

Sh gy

Ls wh-cr, vfn-fn xln, dns in pt, pr xln por in pt, chalky in pt, sli foss in pt

[No Odor, No fluor, Rr tr of spotty resid stn, NSEO]

[No Odor, No fluor, sotty dk brn-blk stn of mostly resid/gils with some dk DO, found a few pcs of dk thick NVL drops on crush]

[Fnt Odor, No fluor, scatt dk stn to blk stn mostly of DO & resid, trace of dk hvy NVL oil]

[Fnt Odor, Rr dull fluor, mod am't of pcs with dk brn-blk stn, Mostly dk brn DO, some blk resid oil, some dk brn NVL oil]

7:00 AM, March 27, 2021

[No Odor, No fluor, scatt patchy spotted brn stn, NSFO]

Mud Check: Drlg @ 3979":
 Vis Wt WL LCM PV YP
 57 9.2 7.2 2 17 14
 Chl Hd pH Solids
 2000 60 11.0 6.0

DST#1: 3970-4025 (Toronto, Lansing A)
 Times: 15-30-45-60
 Initial Open: Stg Blow, b.o.b. 11 min, built to 12.5"
 Final Open: Stg Blow, b.o.b. 12 min, built to 30"
 Rec: 260' Total Fluid, 160' gas in pipe
 140' GMCO: 15%g 45%o 40%m
 120' SOMCW: 02%o 85%w 13%m
 IHP: 1989 FHP: 1956
 IFP: 41-72 FFP: 76-138
 ISIP: 1205 FSIP: 1187
 BHT: 121°F

Mud Check: TIH/DST2 @ 4053":
 Vis Wt WL LCM PV YP
 57 9.2 7.2 1 15 16
 Chl Hd pH Solids
 2300 120 11.0 5.9

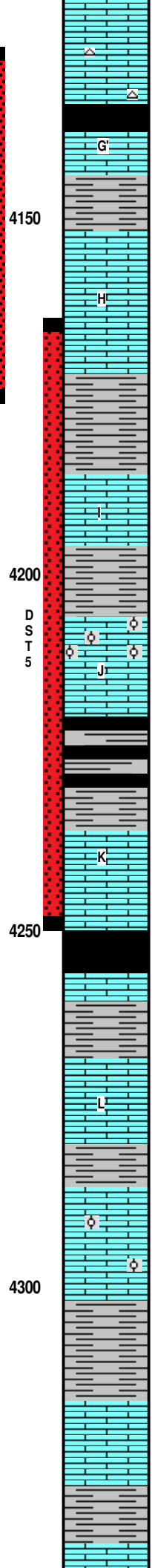
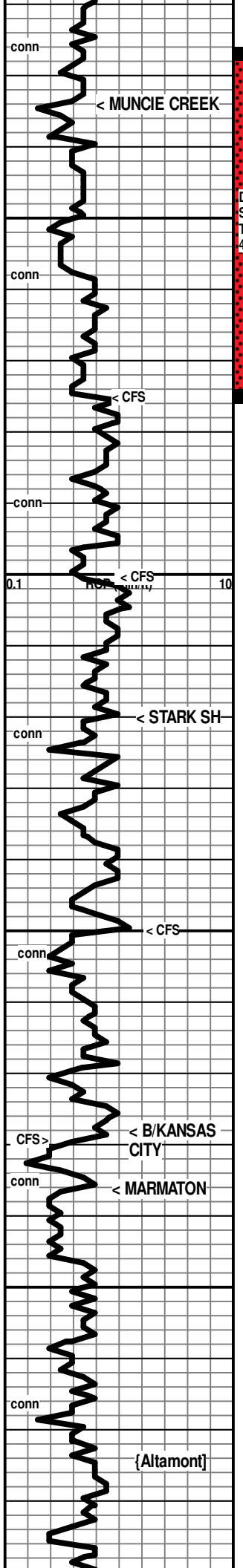
7:00 AM, March 28, 2021

DST #2: 4027-4053 (Lansing C)
 Times: 15-30-30-60
 Initial Open: Stg Blow, b.o.b. 12 min., built to 12.5"
 Final Open: Stg Blow, b.o.b. 6 min., built to 29"
 Rec: 360' gas in pipe
 70' GMCO: 25%g 40%o-35%m
 IHP: 2011 FHP: 1991
 IFP: 40-42 FFP: 38-57
 ISIP: 1270 FSIP: 1261
 BHT: 119°F

[Mild sour odor, abund dull-brt fluor, mod am't pcs with brn-dk brn spotty-patchy stn, with mostly sli shows-some fr shows of brn gassy FO and NVL oil]

7:00 AM, March 29, 2021

Mud Check: Drlg @ 4112":
 Vis Wt WL LCM PV YP



Ls wh-cr, vfn-fn xln, dns in pt, pr xln por in pt, chalky in pt, sli foss in pt, tr of chert: fresh, gy, subopaq
 <----- 4134 (-1154)
 Sh black, carb (first in 4150' spl)
 Ls cr-tan, mostly dns, some subchalky, foss in pt
 Sh gy-grnish
 Ls wh-cr, fn xln, pr vis xln por to dns, found a few pcs with pp pores, abund chalky, foss, becoming more dns with depth
 [No Odor, abund dull-mod fluor, low % pcs with fnt yell stn to spots of brn stn, low % pcs with trace shows of brn, v sli gassy, FO and tan oily scum]
 Ls cr-tan, vfn-fn xln, dns, subchalky in pt
 Sh gy-grn-reddish
 Ls wh-cr, fn xln, mostly dns, chalky in pt, scatt patches of pr xln por, sli foss
 [No Odor, No fluor, scatt spots and patches of dk brn DO stn, and black resid/gilson stn, NSFO]
 Ls wh, mushy & chalky with mushy gy shale
 Sh gy-grn-red, silty in pt, earthy text in pt
 Ls wh-cr, fn xln, dns in pt, scatt patches of pr xln por, ool (fn) in pt, Rr pp pores
 Show Descr. ----->
 <----- 4220 (-1240)
 Sh black, carb, some gy-grn shale
 Abund mushy lime and mushy shale, some carb shale
 Ls wh-cr-tan, vfn-fn xln, mostly dns, scatt pr xln por, idely scatt pp pores, chalky in pt, foss
 [No Odor, low % pcs with spotty-patchy dull-mod fluor, low % pcs with spotty brn stn with trace to v sli shows of gassy FO on crush]
 Ls wh-cr-tan, fn xln, dns with scatt pp pores and sm vugs, foss
 Sh black, carb
 Sh mostly gy-grn-blk, subsilty text in pt, some red shale; Low % of Ls cr-tan-pl gy, vfn-fn xln, dns, foss
 Sh mostly gy-grn-blk, carb in pt, subsilty text in pt, some red shale; Low % of Ls cr-tan-pl gy, vfn-fn xln, dns, foss
 Ls mostly wh-cr, some tan, vfn-fn xln, pr-fr xln por in pt, dns in pt, subchalky in pt, foss
 <----- 4278 (-1298)
 Sh gy-grn-black, carb in pt
 <----- 4286 (-1306)
 Ls wh-cr-tan-gy, vfn-fn xln, abund dns, some pr vis xln por, foss in pt
 Sh red-grn-gy, silty in pt
 Ls wh-cr-pl gy, vfn-fn xln, mostly dns, some subchalky to chalky, Rr pcs with por xln por, foss
 Sh gy-grnish
 Ls wh-cr, fn xln, mostly dns, some pr xln por, chalky in pt, foss in pt

58 9.3 8.8 1 14 15
 Chl Hd pH Solids
 3000 tr 11.0 6.5
DST #3: 4055-4103 (Lansing D,E,F)
 Times: 15-30-30-60
 Initial Open: Stg Blow, b.o.b. 2 min, built to 42", 1/4" Return Blow
 Final Open: Stg Blow, b.o.b. 3 min, built to 93.5", Return Blow built to 10.5"
 Rec: 360' Total Fluid, 1050' gas in pipe
 210' GCO: 30%g 70%o
 150' GMCO: 35%g 35%o 30%o
 (Grav Oil: 37" API)
 IHP: 2025 FHP: 2006
 IFP: 40-72 FFP: 76-159
 ISIP: 1264 FSIP: 1245
 BHT: 123°F

DST #4: 4127-4175 (LKC H)
 Times: 15-30-60-90
 Initial Open: Stg Blow, b.o.b. 12 min, Built to 11.5", 0.5" return blow
 Final Open: Stg Blow, b.o.b. 11 min. Built to 43.5", 1.6" Return blow
 Rec: 280' Total Fluid, 330' gas in pipe
 50' oil: 100%o
 230' MCW: 80%w 20%m (53000 Chl)
 IHP: 2078 FHP: 2018
 IFP: 21-43 FFP: 48-143
 ISIP: 1316 FSIP: 1313
 BHT: 133°F

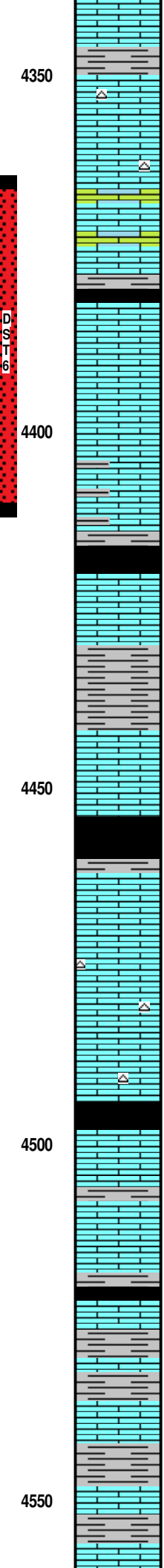
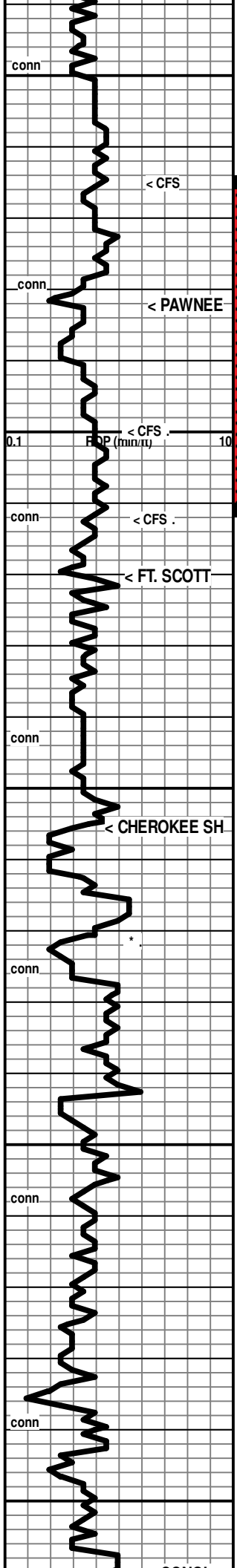
[Fnt Odor, mod am't of mod-brt patchy fluor, mod am't of pcs with spotty & patchy yell-tan stn, low % pcs with trace to sli shows of lt brn gassy FO]
 7:00 AM, March 30, 2021
 Mud Check: CFS @ 4250':
 Vis Wt WL LCM PV YP
 53 9.3 7.2 1 13 15
 Chl Hd pH Solids
 3300 120 11.0 6.4

DST #5: 4165-4250 (LKCI,J,K)
 Times: 15-30-30-30
 Initial Open: Weak Blow, built to 0.50"
 Final Open: Weak Blow, built to 0.70"
 Rec: 20' mud with oil spots
 IHP: 2090 FHP: 2077
 IFP: 19-22 FFP: 15-19
 ISIP: 123 FSIP: 44
 BHT: 113°F

< B/KANSAS CITY

< MARMATON

{Altamont}



[No Odor, Rr spots of dull fluor, No stn, NSO]
Ls wh-cr, vfn-fn xln, mostly dns, chalky in pt, foss in pt

Sh gy
Ls wh-cr, vfn-fn xln, dns, chert: wh, fresh, opa

Ls wh-cr-gy, vfn-fn xln, silty/sdy in pt, dns, chert: wh, fresh, opa

Ls cr, vfn xln, dns to pr xln por, dolom text in pt

Sh dk gy-black, carb in pt
← 4382 (-1402)

Ls cr-tan, fn xln, abund dns, scatt pr xln por, scatt pp pores, foss
[Mild Odor, Abund mod-brt fluor, abund pcs with yell-tan-brn stn, abund pcs with trace-sli shows of tan-brn FO on crush, sli gassy in pt]

Ls cr-tan, vfn xln, dns, foss in pt, incr in gy-dk gy shale

Sh dk gy-black, carb
← 4420 (-1440)

Ls cr-tan-gy, vfn-fn xln, mostly dns, some subhalcy, foss in pt
[Fnt sour Odor, scatt spotty dull-mod fluor, V Rr spots of vis stn, Few pcs with trace show of lt brn FO on crush]
Sh gy-dk gy-grn

Ls wh-cr-tan, vfn-fn xln, mostly dns, some pr xln por, some chalky, foss
← 4455 (-1475)
Sh black, carb

Ls wh-cr-tan, vfn-fn xln, mostly dns, some chalky, foss in pt
[No Odor, widely scatt mod spots and ribbons of dull-mod fluor, NSO]

Ls wh-cr-tan, vfn-fn xln, mostly dns, some chalky, foss in pt, chert: fresh, gy, subtransl

Sh black, carb

Ls wh-cr-tan-gy, vfn-fn xln, mostly dns, some chalky, foss
Sh gy-dk gy

Ls wh-cr, vfn-fn xln, subchalky to dns, sli foss, scatt calcite partings
Sh gy-black

Ls wh-cr-tan, vfn-fn xln, subchalky to dns, sli foss

Sh gy-grnish, pyritic in pt, some black, carb; Ls wh-cr-tan, fn xln, dns & firm to softer and chalky

Sh gy-grnish-red, pyritic in pt; Ls wh-cr-tan, fn xln, dns & firm to softer and chalky

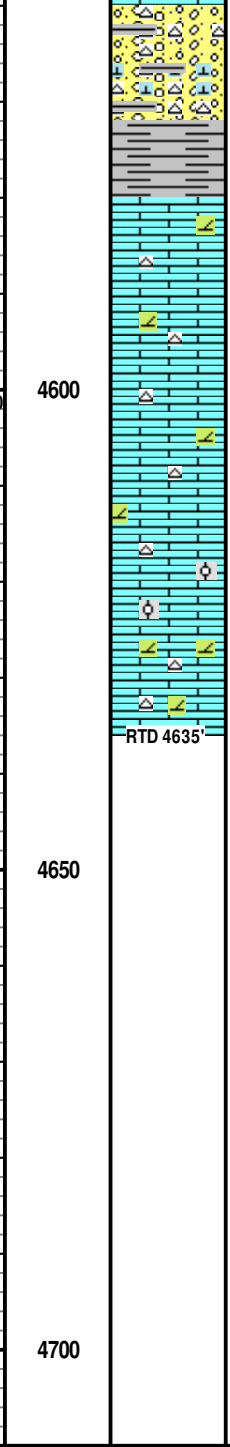
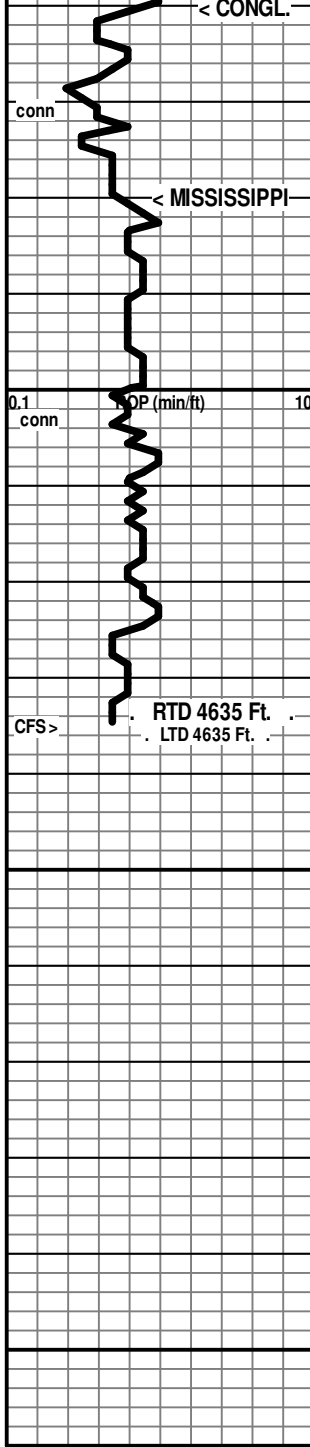
Sh gy-grnish-red, pyritic in pt; Ls wh-cr-tan, fn xln, dns & firm to softer and chalky

DST #6: 4364-4412 (Pawnee)
Times: 15-30-15-out
Initial Open: Weak Blow, built to 1"
Final Open: Weak Blow, built to 0.25"
Rec: 20' mud
IHP: 2246 FHP: 2210
IFP: 22-23 FFP: 27-28
ISIP: 785 FSIP: NA
BHT: 117°F

7:00 AM, March 31, 2021

Mud Check: CFS @ 4412':
Vis Wt WL LCM PV YP
58 9.4 9.6 1 14 17
Chl Hd pH Solids
3500 140 10.0 7.4

* Drilling Break from 4469'-4476' is not verified as porosity on logs! Drilling Error?



4560 (-1580)
 < Sh red-gy-grn-yell, soft to sdy, mixed with: Chert: fresh, tan-orange, subtransl, spic, mixed with: Sd: fn gm, wh to glassy, subrd, good sort, glauc in pt, calc in pt

Sh gy-grn-red-yell-lav.

< 4580 (-1600)

4590' spl: Abund Ls, wh-cr-gy, fn xln, dns, dolom text in pt, some crs frags recem with calc cement, foss, chert: fresh, cr-tan-gy, subtr, spic; some mix of pcs as above

Abund Ls, wh-cr-gy, fn xln, dns, dolom text in pt, some crs frags recem with calc cement, foss, chert: fresh, cr-tan-gy, subtr, spic

Ls cr-tan, fn xln, dns, some shaley with gm & yell shale, foss, cherty, sli dolom in pt?

Ls cr-tan, fn xln, dns, some shaley with gm & yell shale, foss, cherty, sli dolom in pt? some ool pcs

Ls cr-tan, fn xln, dns, some shaley with gm & yell shale, foss, incr cherty, incr dolom in pt some ool pcs

7:00 AM, April 01, 2021

RTD 4635 Ft. Reached @ 8:30 AM, April 01, 2021!

Mud Check: CFS @ 4635' RTD:

Vis	Wt	WL	LCM	PV	YP
61	9.4	8.0	1	15	19
Chl	Hd	pH	Solids		
3500	40	10.5	7.6		

4600

4650

4700



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

H&V Farms #2-35

35-8s-31w Thomas,KS

Start Date: 2021.03.27 @ 16:56:00

End Date: 2021.03.27 @ 23:51:45

Job Ticket #: 66825 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.04.02 @ 13:18:40



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

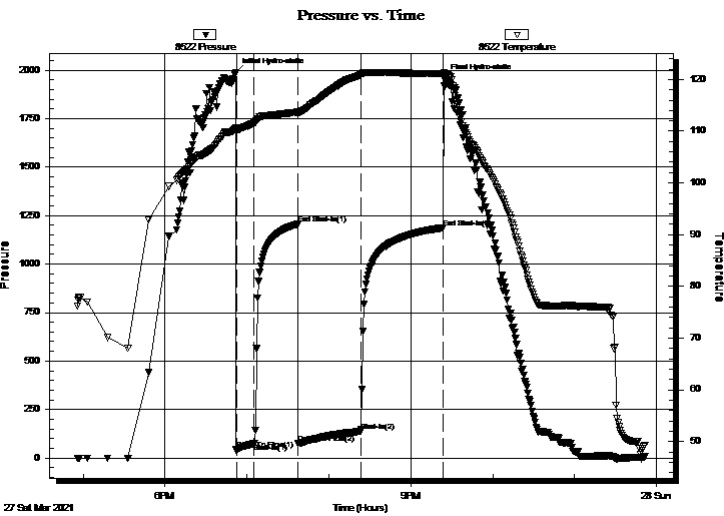
35-8s-31w Thomas,KS
H&V Farms #2-35
Job Ticket: 66825 **DST#: 1**
Test Start: 2021.03.27 @ 16:56:00

GENERAL INFORMATION:

Formation: **Toronto- LKC A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:52:15
Time Test Ended: 23:51:45
Interval: **3970.00 ft (KB) To 4025.00 ft (KB) (TVD)**
Total Depth: 4025.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 2980.00 ft (KB)
2970.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8522 Inside
Press@RunDepth: 138.34 psig @ 3971.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.27 End Date: 2021.03.27 Last Calib.: 2021.03.27
Start Time: 16:56:05 End Time: 23:51:44 Time On Btm: 2021.03.27 @ 18:51:45
Time Off Btm: 2021.03.27 @ 21:24:30

TEST COMMENT: 15- IF- BOB @ 11 min. 12.5" blow
30- ISI No return.
45- BOB @ 12 min. 30" blow .
60- 1" return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1989.05	110.56	Initial Hydro-static
1	41.99	110.23	Open To Flow (1)
14	72.94	111.52	Shut-In(1)
46	1205.19	113.67	End Shut-In(1)
46	76.57	113.50	Open To Flow (2)
92	138.34	120.83	Shut-In(2)
152	1187.27	121.08	End Shut-In(2)
153	1956.28	121.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	somcw 2o 13m 85w	1.68
140.00	gmco 15g 40m 45o	1.96
0.00	160' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66825 **DST#: 1**
 Test Start: 2021.03.27 @ 16:56:00

Tool Information

Drill Pipe:	Length: 3971.00 ft	Diameter: 3.80 inches	Volume: 55.70 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.70 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3970.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3944.00	
Shut In Tool	5.00		Fluid	3949.00	
Hydraulic tool	5.00			3954.00	
Jars	5.00			3959.00	
Safety Joint	2.00			3961.00	
Packer	5.00		Inside	3966.00	27.00 Bottom Of Top Packer
Packer	4.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	8522	Inside	3971.00	
Recorder	0.00	8319	Outside	3971.00	
Perforations	18.00			3989.00	
Change Over Sub	1.00			3990.00	
Drill Pipe	31.00			4021.00	
Change Over Sub	1.00			4022.00	
Bullnose	3.00			4025.00	55.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66825 **DST#: 1**
 Test Start: 2021.03.27 @ 16:56:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 37000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.18 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

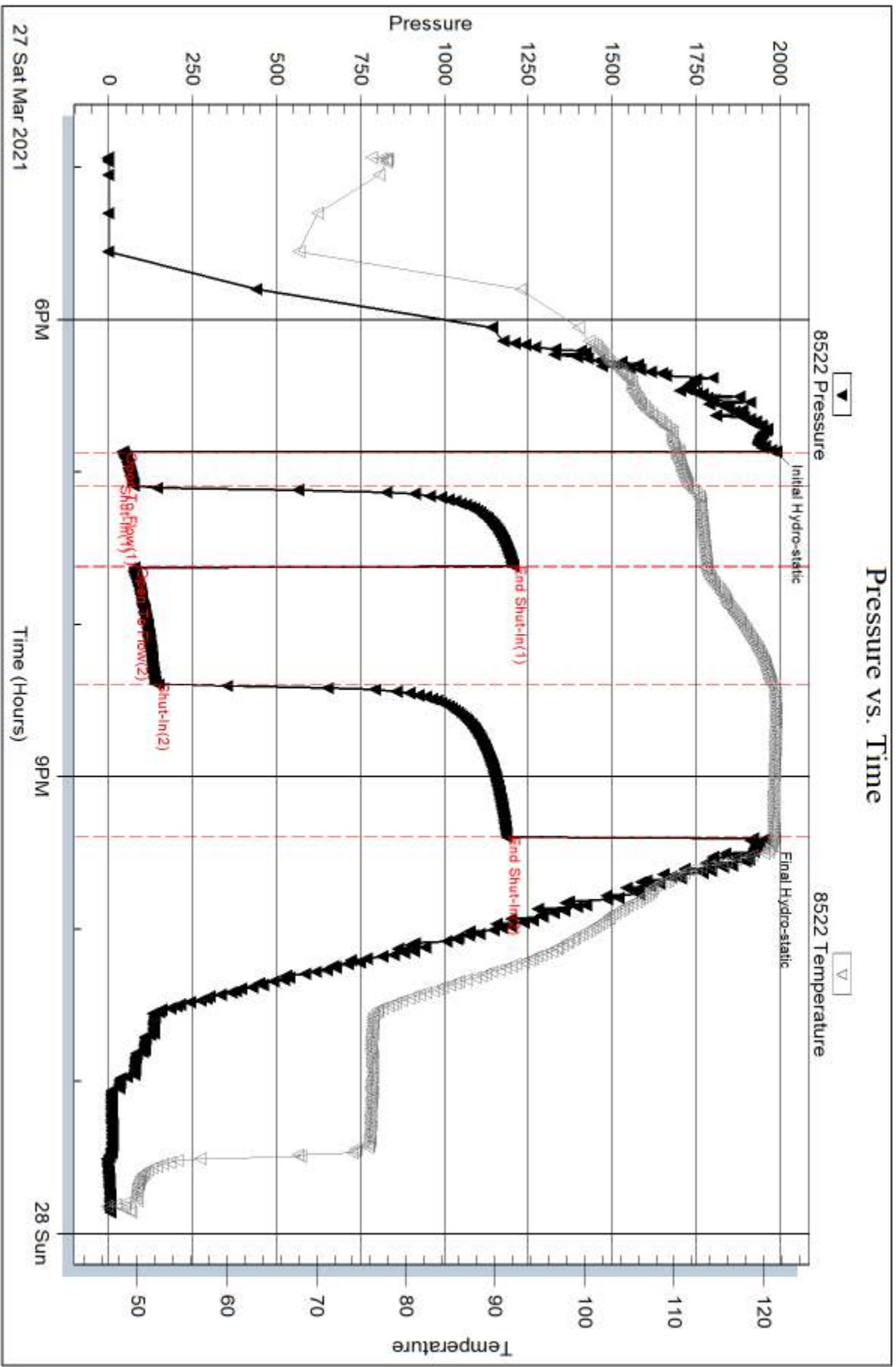
Length ft	Description	Volume bbl
120.00	somcw 2o 13m 85w	1.683
140.00	gmco 15g 40m 45o	1.964
0.00	160' GIP	0.000

Total Length: 260.00 ft Total Volume: 3.647 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .296 @ 41F= 37000ppm

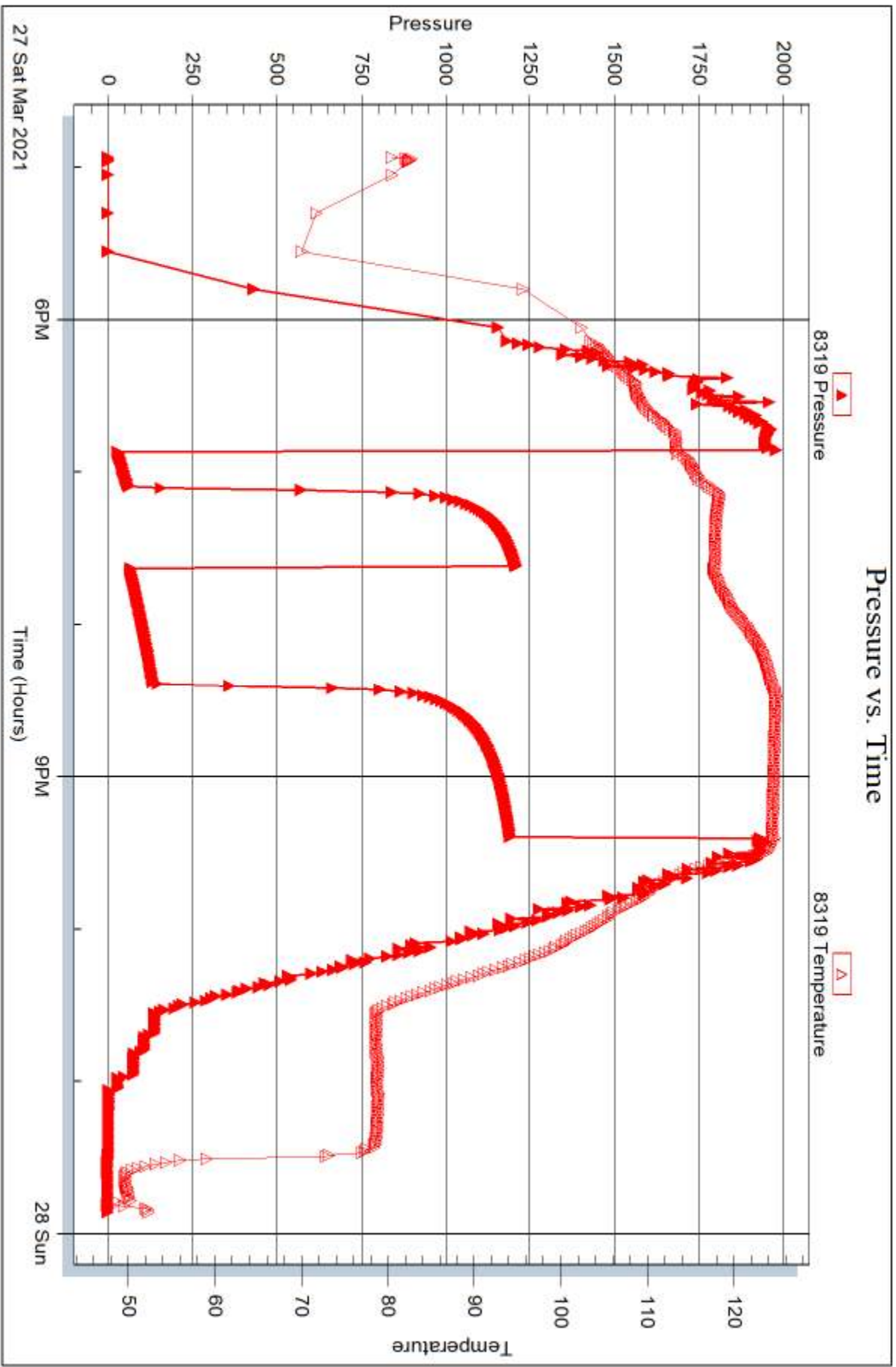


Serial #: 8319

Outside Carmen Schmitt, Inc

H&V Farms #2-35

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66825

Printed: 2021.04.02 @ 13:18:40



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

H&V Farms #2-35

35-8s-31w Thomas,KS

Start Date: 2021.03.28 @ 07:42:00

End Date: 2021.03.28 @ 13:37:15

Job Ticket #: 66976 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.04.02 @ 13:12:36

Carmen Schmitt, Inc

35-8s-31w Thomas,KS

H&V Farms #2-35

DST # 2

LKC C

2021.03.28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66976 **DST#: 2**
 Test Start: 2021.03.28 @ 07:42:00

GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:23:00
 Time Test Ended: 13:37:15
 Interval: **4027.00 ft (KB) To 4053.00 ft (KB) (TVD)**
 Total Depth: 4053.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2980.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 10.00 ft

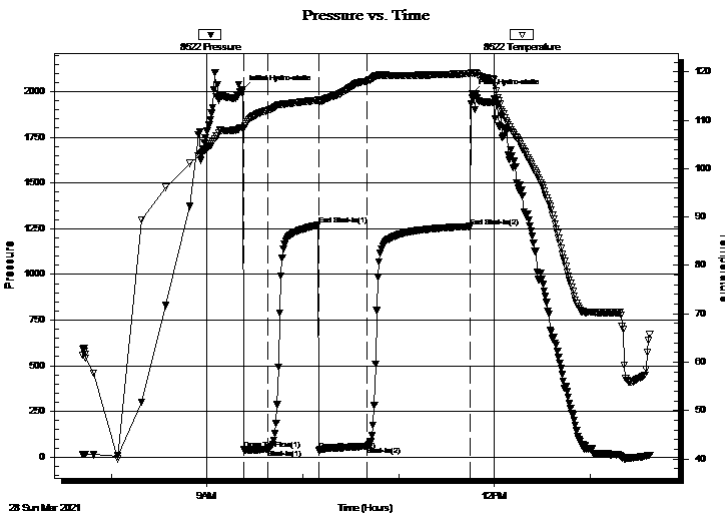
Serial #: 8522

Inside

Press@RunDepth: 57.88 psig @ 4028.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.28 End Date: 2021.03.28 Last Calib.: 2021.03.28
 Start Time: 07:42:05 End Time: 13:37:14 Time On Btm: 2021.03.28 @ 09:22:30
 Time Off Btm: 2021.03.28 @ 11:46:00

TEST COMMENT: 15- IF: BOB @ 12 min- 12.5" blow
 30- IS: No return.
 30- FF: BOB @ 6 min- 29" blow.
 60- FSI: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.44	108.45	Initial Hydro-static
1	40.70	108.25	Open To Flow (1)
16	42.89	112.01	Shut-In(1)
48	1270.45	114.13	End Shut-In(1)
48	38.33	113.83	Open To Flow (2)
78	57.88	118.06	Shut-In(2)
143	1261.99	119.61	End Shut-In(2)
144	1991.03	119.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	gmco 25g 35m 40o	0.98
0.00	360' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66976 **DST#: 2**
 Test Start: 2021.03.28 @ 07:42:00

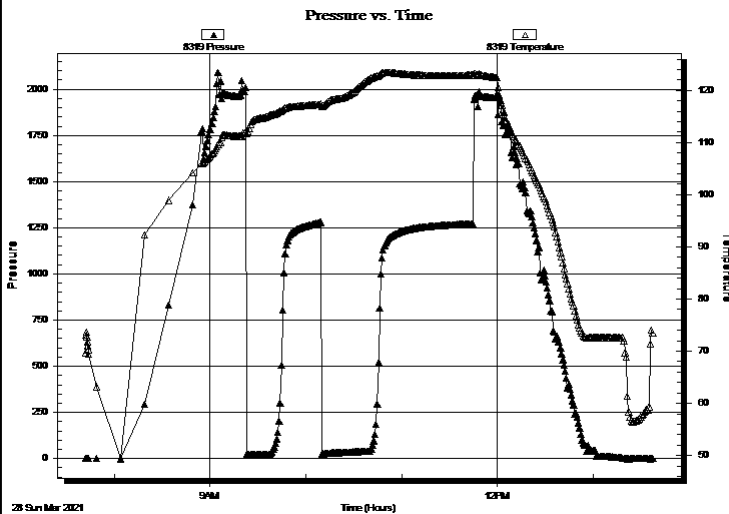
GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:23:00
 Time Test Ended: 13:37:15
 Interval: **4027.00 ft (KB) To 4053.00 ft (KB) (TVD)**
 Total Depth: 4053.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2980.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4028.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.28 End Date: 2021.03.28 Last Calib.: 2021.03.28
 Start Time: 07:42:05 End Time: 13:37:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15- IF: BOB @ 12 min- 12.5" blow
 30- IS: No return.
 30- FF: BOB @ 6 min- 29" blow.
 60- FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	gmco 25g 35m 40o	0.98
0.00	360' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66976 **DST#: 2**
 Test Start: 2021.03.28 @ 07:42:00

Tool Information

Drill Pipe:	Length: 4003.00 ft	Diameter: 3.80 inches	Volume: 56.15 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4027.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 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			4001.00	
Shut In Tool	5.00		Fluid	4006.00	
Hydraulic tool	5.00			4011.00	
Jars	5.00			4016.00	
Safety Joint	2.00			4018.00	
Packer	5.00		Inside	4023.00	27.00 Bottom Of Top Packer
Packer	4.00			4027.00	
Stubb	1.00			4028.00	
Recorder	0.00	8522	Inside	4028.00	
Recorder	0.00	8319	Outside	4028.00	
Perforations	22.00			4050.00	
Bullnose	3.00			4053.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66976 **DST#: 2**
 Test Start: 2021.03.28 @ 07:42:00

Mud and Cushion Information

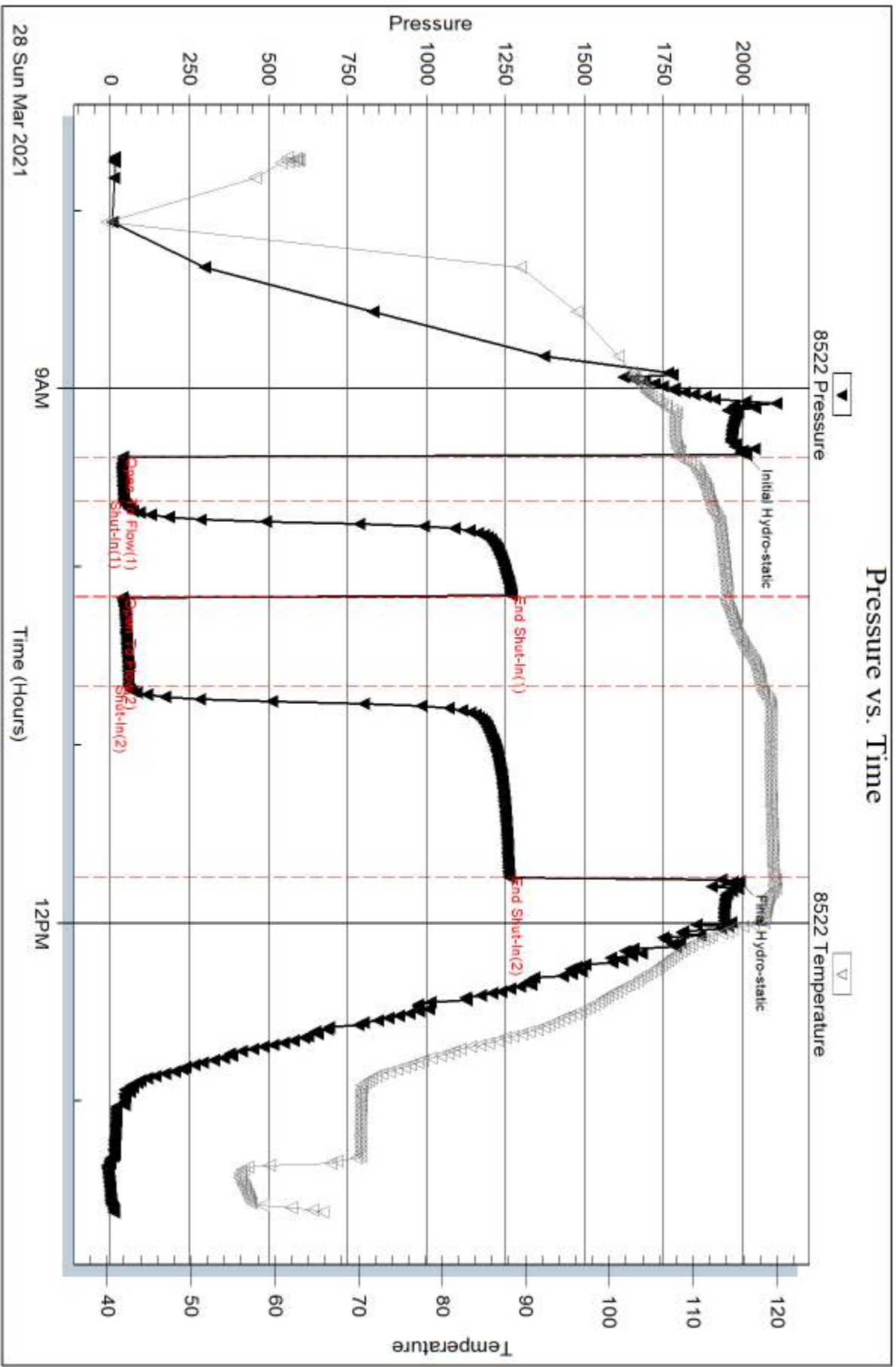
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2399.00 ppm			
Filter Cake: 1.00 inches			

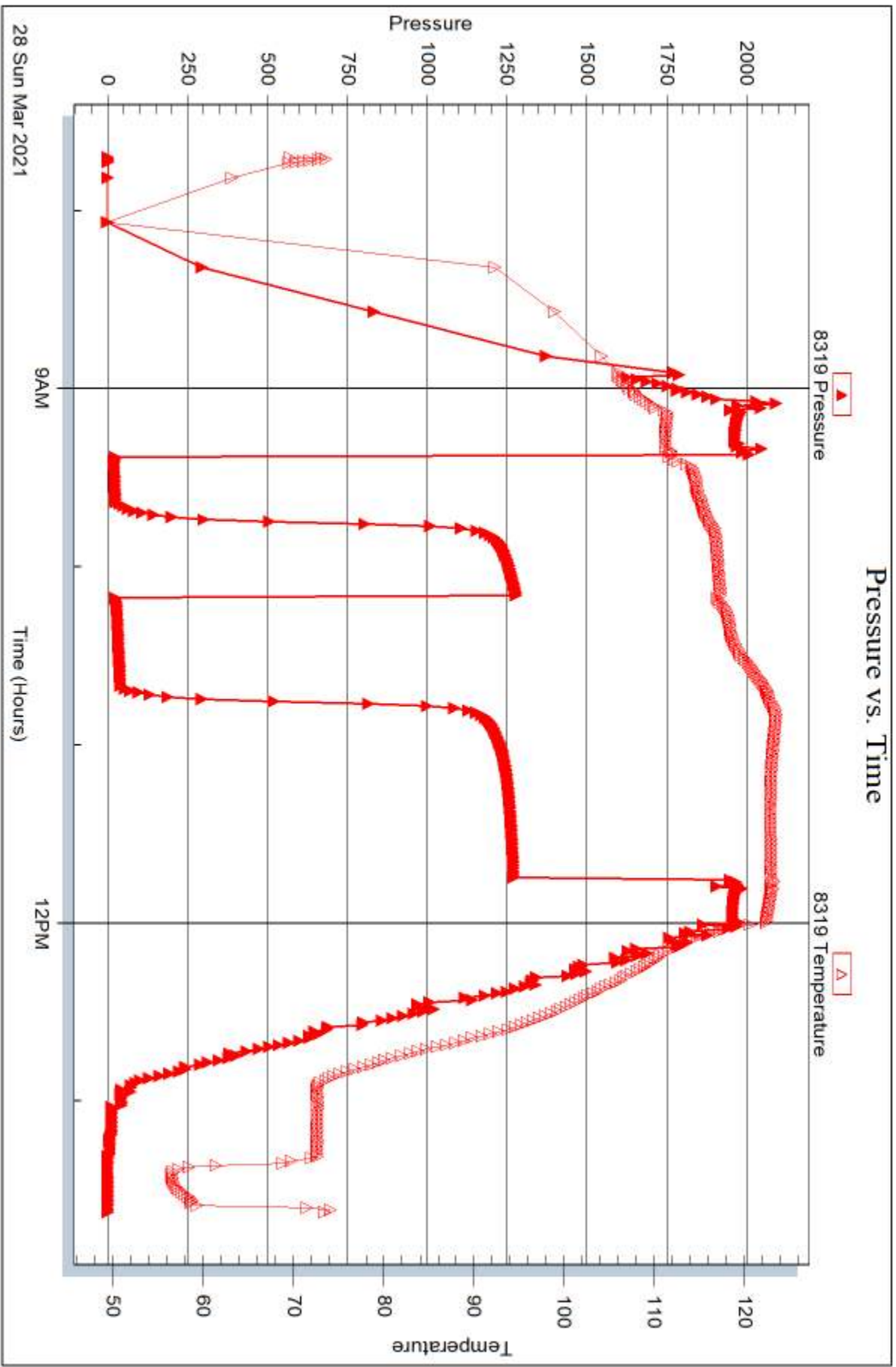
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	gmco 25g 35m 40o	0.982
0.00	360' GIP	0.000

Total Length: 70.00 ft Total Volume: 0.982 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

H&V Farms #2-35

35-8s-31w Thomas,KS

Start Date: 2021.03.28 @ 22:33:00

End Date: 2021.03.29 @ 04:38:15

Job Ticket #: 66977 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.04.02 @ 13:08:58



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66977 **DST#: 3**
 Test Start: 2021.03.28 @ 22:33:00

GENERAL INFORMATION:

Formation: **LKC D - F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:06:45
 Tester: Bradley Walter
 Time Test Ended: 04:38:15
 Unit No: 78
 Interval: **4055.00 ft (KB) To 4103.00 ft (KB) (TVD)**
 Reference Elevations: 2980.00 ft (KB)
 Total Depth: 4103.00 ft (KB) (TVD)
 2970.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

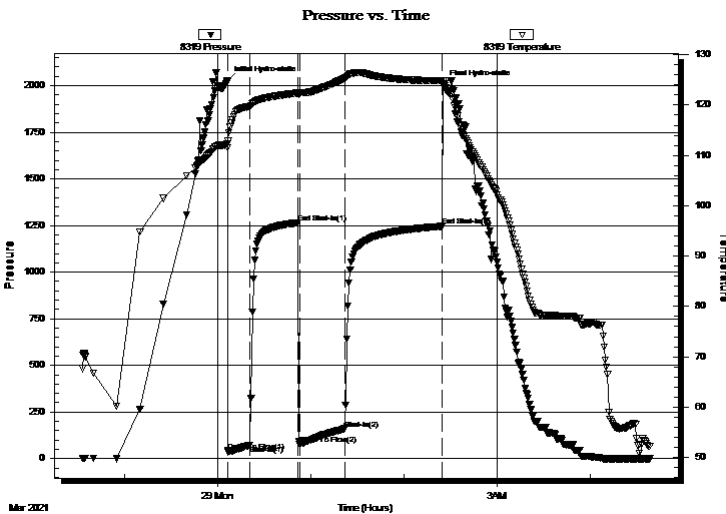
Serial #: 8319

Outside

Press@RunDepth: 159.58 psig @ 4056.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.28 End Date: 2021.03.29 Last Calib.: 2021.03.29
 Start Time: 22:33:05 End Time: 04:38:14 Time On Btm: 2021.03.29 @ 00:06:15
 Time Off Btm: 2021.03.29 @ 02:25:15

TEST COMMENT: 15- IF: BOB @ 2 min, built to 42".
 30- IS: 1/4" return.
 30- FS: BOB @ 3 min, built to 93.5".
 60- FF: 10.5" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.00	112.26	Initial Hydro-static
1	40.65	112.88	Open To Flow (1)
15	72.51	119.75	Shut-In(1)
46	1264.96	122.37	End Shut-In(1)
47	76.99	122.36	Open To Flow (2)
76	159.58	125.32	Shut-In(2)
139	1245.81	124.81	End Shut-In(2)
139	2006.12	124.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	gmco 35g 30m 35o	2.10
210.00	go 30g 70o	2.95
0.00	1050' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

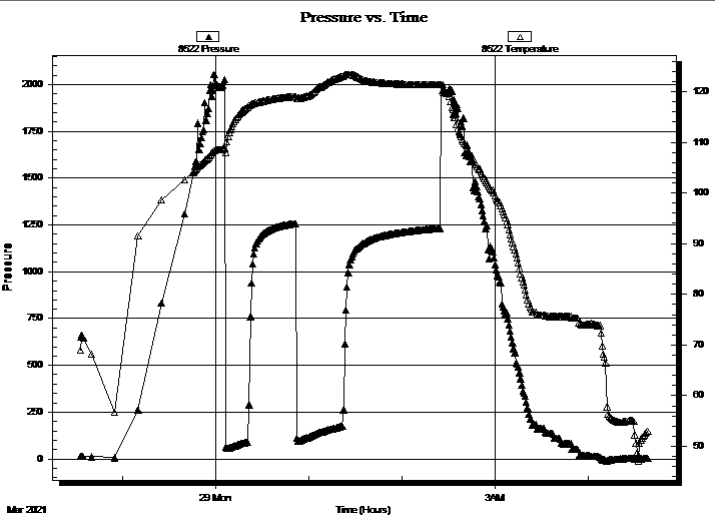
35-8s-31w Thomas,KS
H&V Farms #2-35
Job Ticket: 66977 **DST#: 3**
Test Start: 2021.03.28 @ 22:33:00

GENERAL INFORMATION:

Formation: **LKC D - F**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 00:06:45 Tester: Bradley Walter
Time Test Ended: 04:38:15 Unit No: 78
Interval: 4055.00 ft (KB) To 4103.00 ft (KB) (TVD) Reference Elevations: 2980.00 ft (KB)
Total Depth: 4103.00 ft (KB) (TVD) 2970.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8522 Inside
Press@RunDepth: psig @ 4056.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.28 End Date: 2021.03.29 Last Calib.: 2021.03.29
Start Time: 22:33:05 End Time: 04:38:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15- IF: BOB @ 2 min, built to 42".
30- IS: 1/4" return.
30- FS: BOB @ 3 min, built to 93.5".
60- FF: 10.5" return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	gmco 35g 30m 35o	2.10
210.00	go 30g 70o	2.95
0.00	1050' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66977 **DST#: 3**
 Test Start: 2021.03.28 @ 22:33:00

Tool Information

Drill Pipe:	Length: 4036.00 ft	Diameter: 3.80 inches	Volume: 56.61 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.61 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4055.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4029.00	
Shut In Tool	5.00		Fluid	4034.00	
Hydraulic tool	5.00			4039.00	
Jars	5.00			4044.00	
Safety Joint	2.00			4046.00	
Packer	5.00		Inside	4051.00	27.00 Bottom Of Top Packer
Packer	4.00			4055.00	
Stubb	1.00			4056.00	
Recorder	0.00	8522	Inside	4056.00	
Recorder	0.00	8319	Outside	4056.00	
Perforations	11.00			4067.00	
Change Over Sub	1.00			4068.00	
Drill Pipe	31.00			4099.00	
Change Over Sub	1.00			4100.00	
Bullnose	3.00			4103.00	48.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66977 **DST#: 3**
 Test Start: 2021.03.28 @ 22:33:00

Mud and Cushion Information

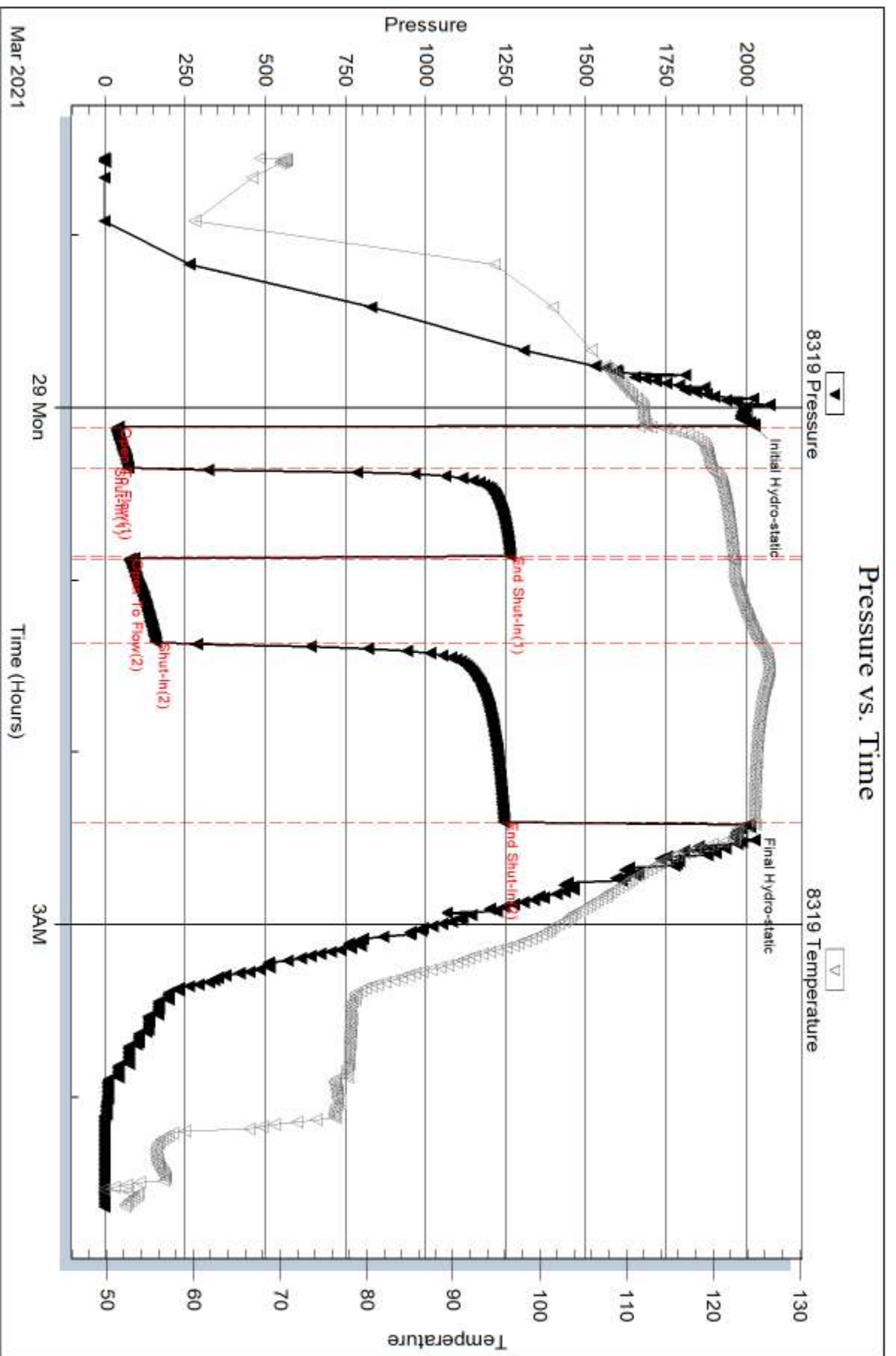
Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.18 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2300.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	gmco 35g 30m 35o	2.104
210.00	go 30g 70o	2.946
0.00	1050' GIP	0.000

Total Length: 360.00 ft Total Volume: 5.050 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



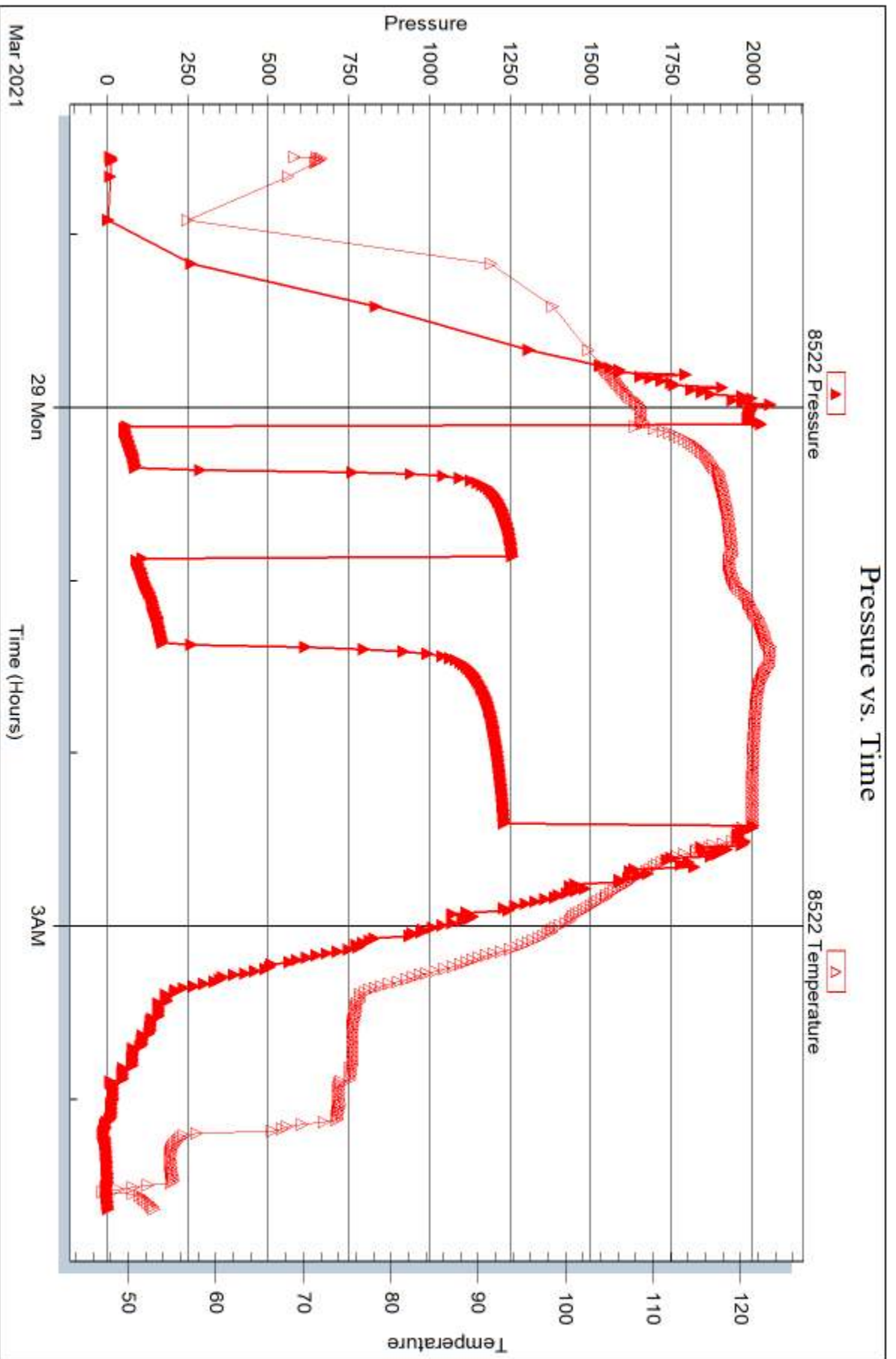
Serial #: 8522

Inside

Carmen Schnitt, Inc

H&V Farms #2-35

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 66977

Printed: 2021.04.02 @ 13:08:59



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

H&V Farms #2-35

35-8s-31w Thomas,KS

Start Date: 2021.03.29 @ 15:15:00

End Date: 2021.03.29 @ 21:55:45

Job Ticket #: 66978 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.04.02 @ 13:00:23

Carmen Schmitt, Inc

35-8s-31w Thomas,KS

H&V Farms #2-35

DST # 4

LKC H

2021.03.29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66978 **DST#: 4**
 Test Start: 2021.03.29 @ 15:15:00

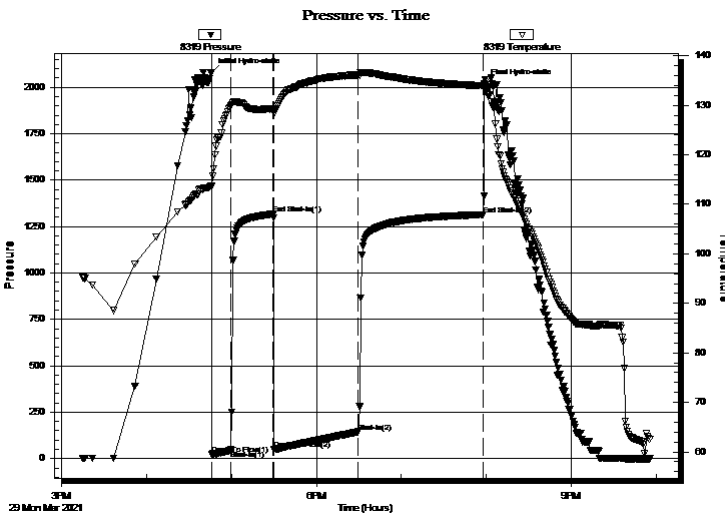
GENERAL INFORMATION:

Formation: **LKC H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:46:15
 Time Test Ended: 21:55:45
 Interval: **4127.00 ft (KB) To 4175.00 ft (KB) (TVD)**
 Total Depth: 4175.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2980.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8319 Outside
 Press@RunDepth: 143.32 psig @ 4128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.29 End Date: 2021.03.29 Last Calib.: 2021.03.29
 Start Time: 15:15:05 End Time: 21:55:44 Time On Btm: 2021.03.29 @ 16:46:00
 Time Off Btm: 2021.03.29 @ 19:58:30

TEST COMMENT: 15- IF: BOB @ 13 min. built to 11.5"
 30- IS: .5" return.
 60- FF: BOB @ 12 min, built to 43.5".
 90- FS: 1.6" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.04	113.74	Initial Hydro-static
1	21.30	113.55	Open To Flow (1)
14	43.59	129.75	Shut-In(1)
44	1316.58	129.19	End Shut-In(1)
45	48.49	128.39	Open To Flow (2)
104	143.32	136.17	Shut-In(2)
192	1313.96	133.91	End Shut-In(2)
193	2018.60	134.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	mcw 20m 80w (Oil spots)	3.23
50.00	oil 100o	0.70
0.00	330' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

35-8s-31w Thomas, KS
H&V Farms #2-35
Job Ticket: 66978 **DST#: 4**
Test Start: 2021.03.29 @ 15:15:00

GENERAL INFORMATION:

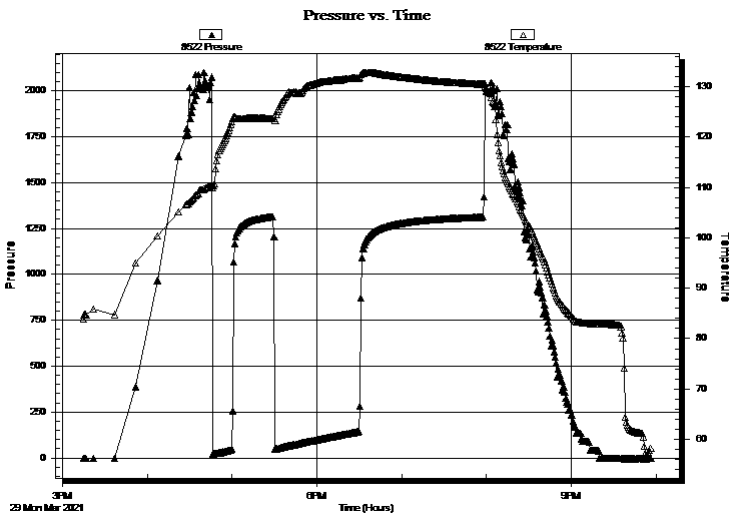
Formation: **LKC H**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 16:46:15 Tester: Bradley Walter
Time Test Ended: 21:55:45 Unit No: 78
Interval: 4127.00 ft (KB) To 4175.00 ft (KB) (TVD) Reference Elevations: 2980.00 ft (KB)
Total Depth: 4175.00 ft (KB) (TVD) 2970.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8522 Inside

Press@RunDepth: psig @ 4128.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.29 End Date: 2021.03.29 Last Calib.: 2021.03.29
Start Time: 15:15:05 End Time: 21:56:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 15- IF: BOB @ 13 min. built to 11.5"
30- IS: .5" return.
60- FF: BOB @ 12 min, built to 43.5".
90- FS: 1.6" return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
230.00	mcw 20m 80w (Oil spots)	3.23
50.00	oil 100o	0.70
0.00	330' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
Job Ticket: 66978 **DST#: 4**
Test Start: 2021.03.29 @ 15:15:00

Tool Information

Drill Pipe:	Length: 4130.00 ft	Diameter: 3.80 inches	Volume: 57.93 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4127.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4101.00	
Shut In Tool	5.00		Fluid	4106.00	
Hydraulic tool	5.00			4111.00	
Jars	5.00			4116.00	
Safety Joint	2.00			4118.00	
Packer	5.00		Inside	4123.00	27.00 Bottom Of Top Packer
Packer	4.00			4127.00	
Stubb	1.00			4128.00	
Recorder	0.00	8522	Inside	4128.00	
Recorder	0.00	8319	Outside	4128.00	
Perforations	11.00			4139.00	
Change Over Sub	1.00			4140.00	
Drill Pipe	31.00			4171.00	
Change Over Sub	1.00			4172.00	
Bullnose	3.00			4175.00	48.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66978 **DST#: 4**
 Test Start: 2021.03.29 @ 15:15:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 53000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

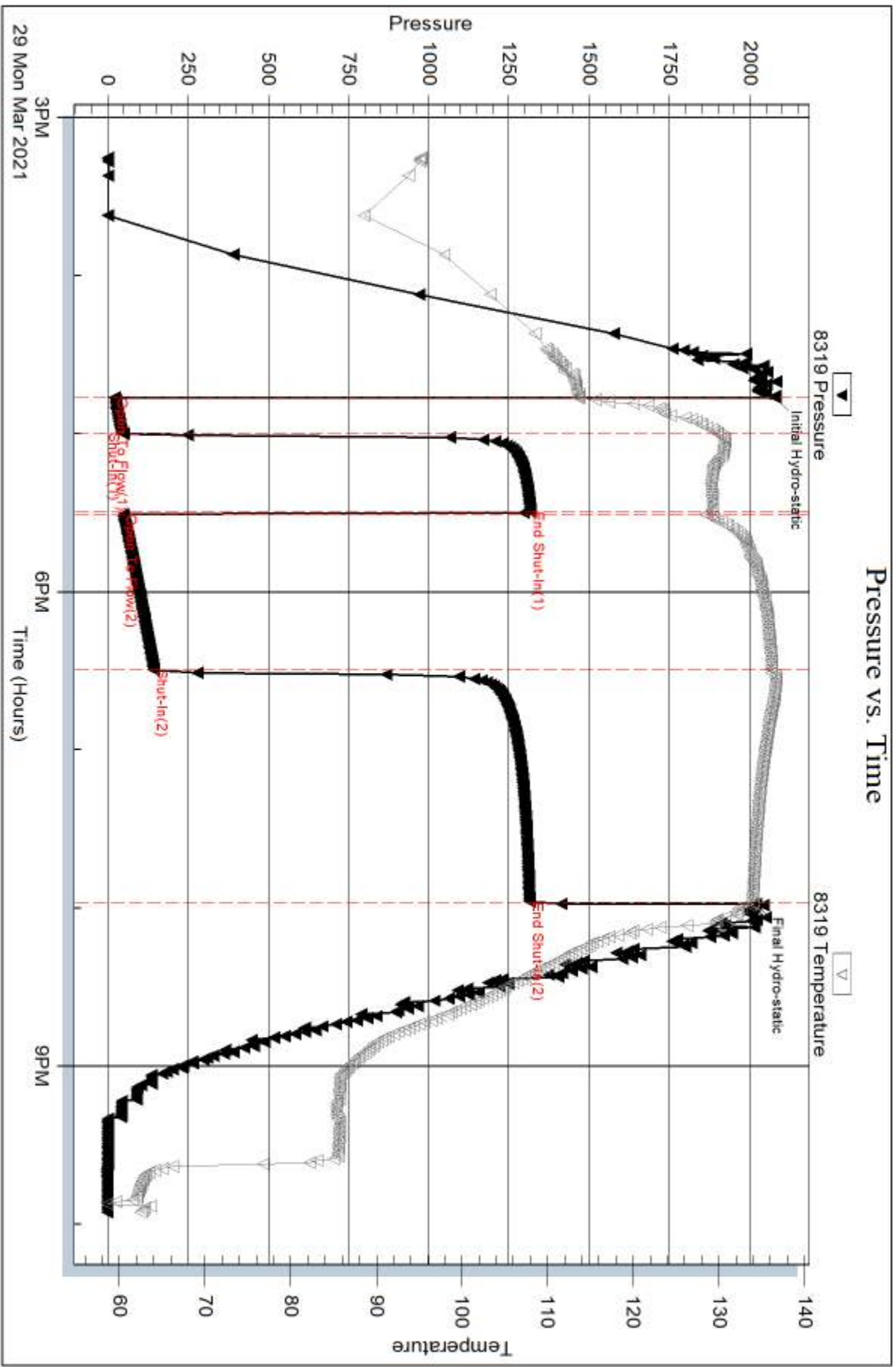
Length ft	Description	Volume bbl
230.00	mcw 20m 80w (Oil spots)	3.226
50.00	oil 100o	0.701
0.00	330' GIP	0.000

Total Length: 280.00 ft Total Volume: 3.927 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is ..199 @ 49f = 53000ppm



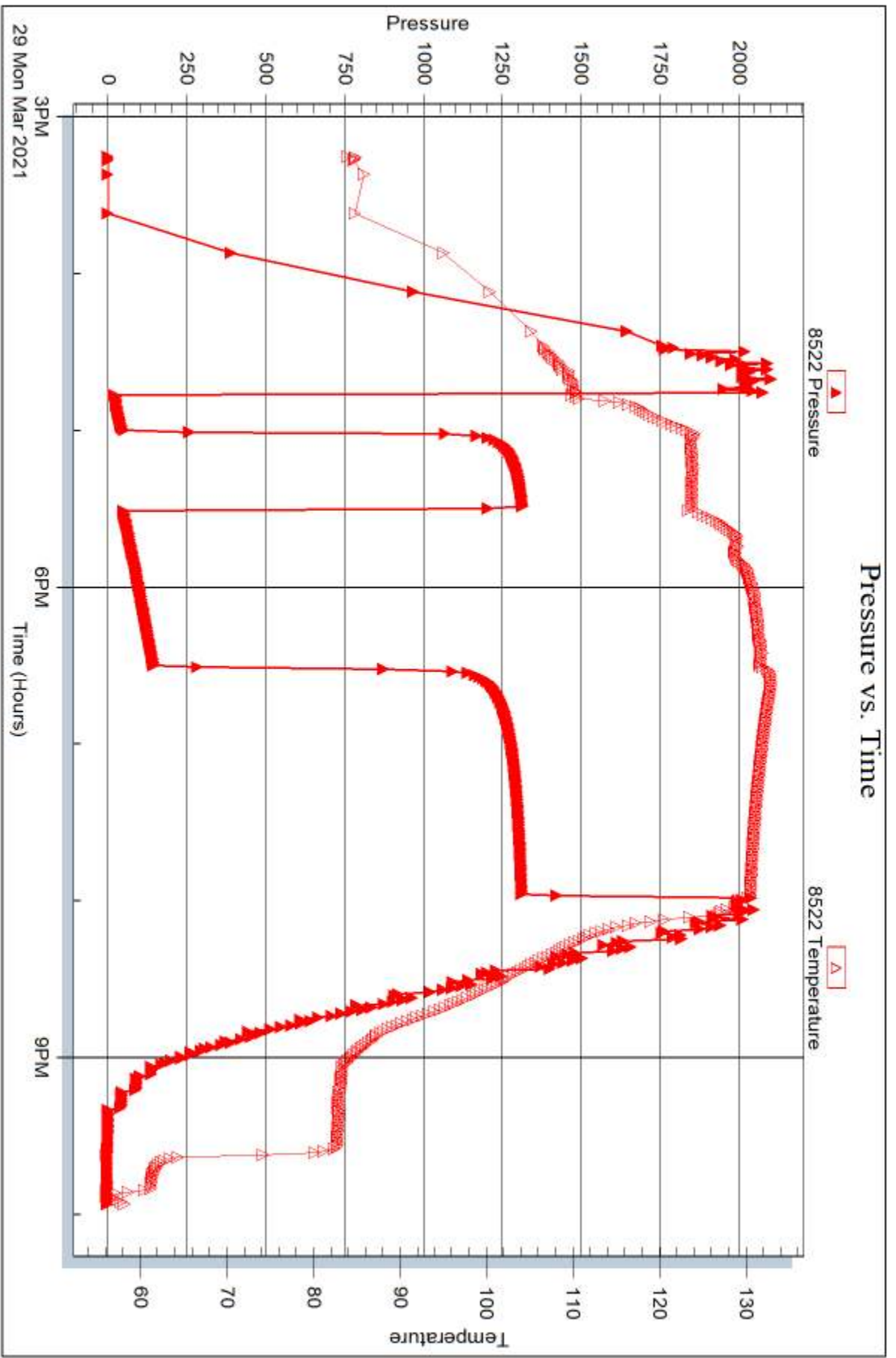
Serial #: 8522

Inside

Carmen Schmitt, Inc

H&V Farms #2-35

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 66978

Printed: 2021.04.02 @ 13:00:23



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

H&V Farms #2-35

35-8s-31w Thomas,KS

Start Date: 2021.03.30 @ 11:49:00

End Date: 2021.03.30 @ 17:06:45

Job Ticket #: 66979 DST #: 5

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

Printed: 2021.04.02 @ 12:59:53



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

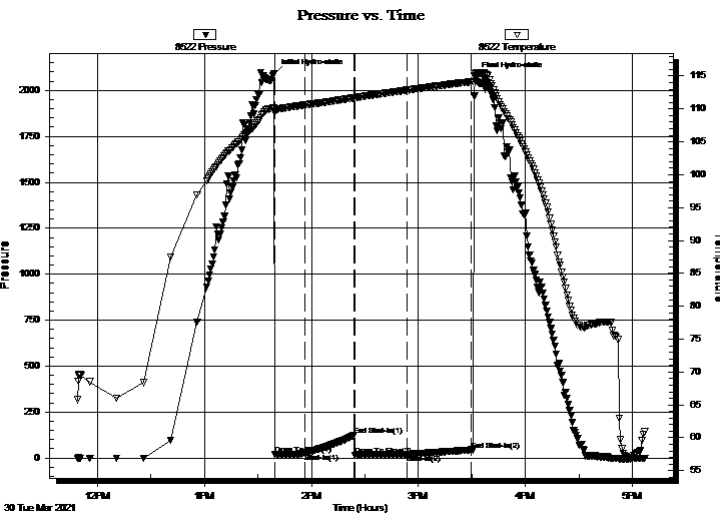
35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66979 **DST#: 5**
 Test Start: 2021.03.30 @ 11:49:00

GENERAL INFORMATION:

Formation: **LKC I - K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:39:30
 Time Test Ended: 17:06:45
 Interval: **4165.00 ft (KB) To 4250.00 ft (KB) (TVD)**
 Total Depth: 4250.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2980.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8522 Inside
 Press@RunDepth: 19.34 psig @ 4166.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.30 End Date: 2021.03.30 Last Calib.: 2021.03.30
 Start Time: 11:49:05 End Time: 17:06:44 Time On Btm: 2021.03.30 @ 13:39:15
 Time Off Btm: 2021.03.30 @ 15:31:45

TEST COMMENT: 15- IF: 0.5" blow .
 30- IS: No return.
 30- FF: 0.7" blow .
 30- FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.79	110.20	Initial Hydro-static
1	19.76	109.43	Open To Flow (1)
17	27.53	110.60	Shut-In(1)
45	123.48	111.70	End Shut-In(1)
46	15.83	111.57	Open To Flow (2)
75	19.34	112.86	Shut-In(2)
111	44.04	114.15	End Shut-In(2)
113	2077.00	115.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100m (oil spots)	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
Job Ticket: 66979 **DST#: 5**
Test Start: 2021.03.30 @ 11:49:00

Tool Information

Drill Pipe:	Length: 4162.00 ft	Diameter: 3.80 inches	Volume: 58.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 58.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4165.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	112.00 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			4139.00	
Shut In Tool	5.00		Fluid	4144.00	
Hydraulic tool	5.00			4149.00	
Jars	5.00			4154.00	
Safety Joint	2.00			4156.00	
Packer	5.00		Inside	4161.00	27.00 Bottom Of Top Packer
Packer	4.00			4165.00	
Stubb	1.00			4166.00	
Recorder	0.00	8522	Inside	4166.00	
Recorder	0.00	8319	Outside	4166.00	
Perforations	16.00			4182.00	
Change Over Sub	1.00			4183.00	
Drill Pipe	63.00			4246.00	
Change Over Sub	1.00			4247.00	
Bullnose	3.00			4250.00	85.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66979 **DST#: 5**
 Test Start: 2021.03.30 @ 11:49:00

Mud and Cushion Information

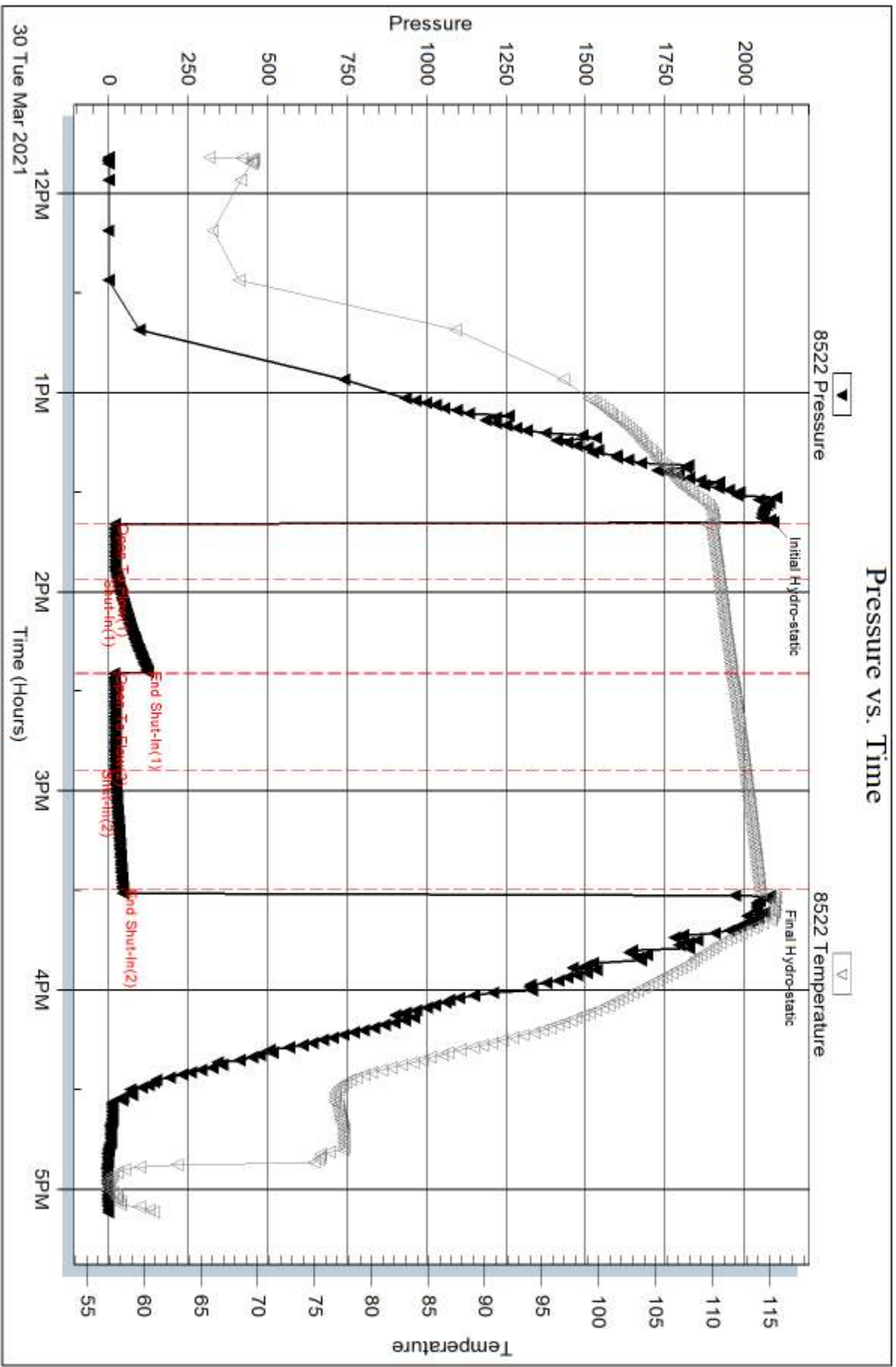
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.29 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 1.00 inches			

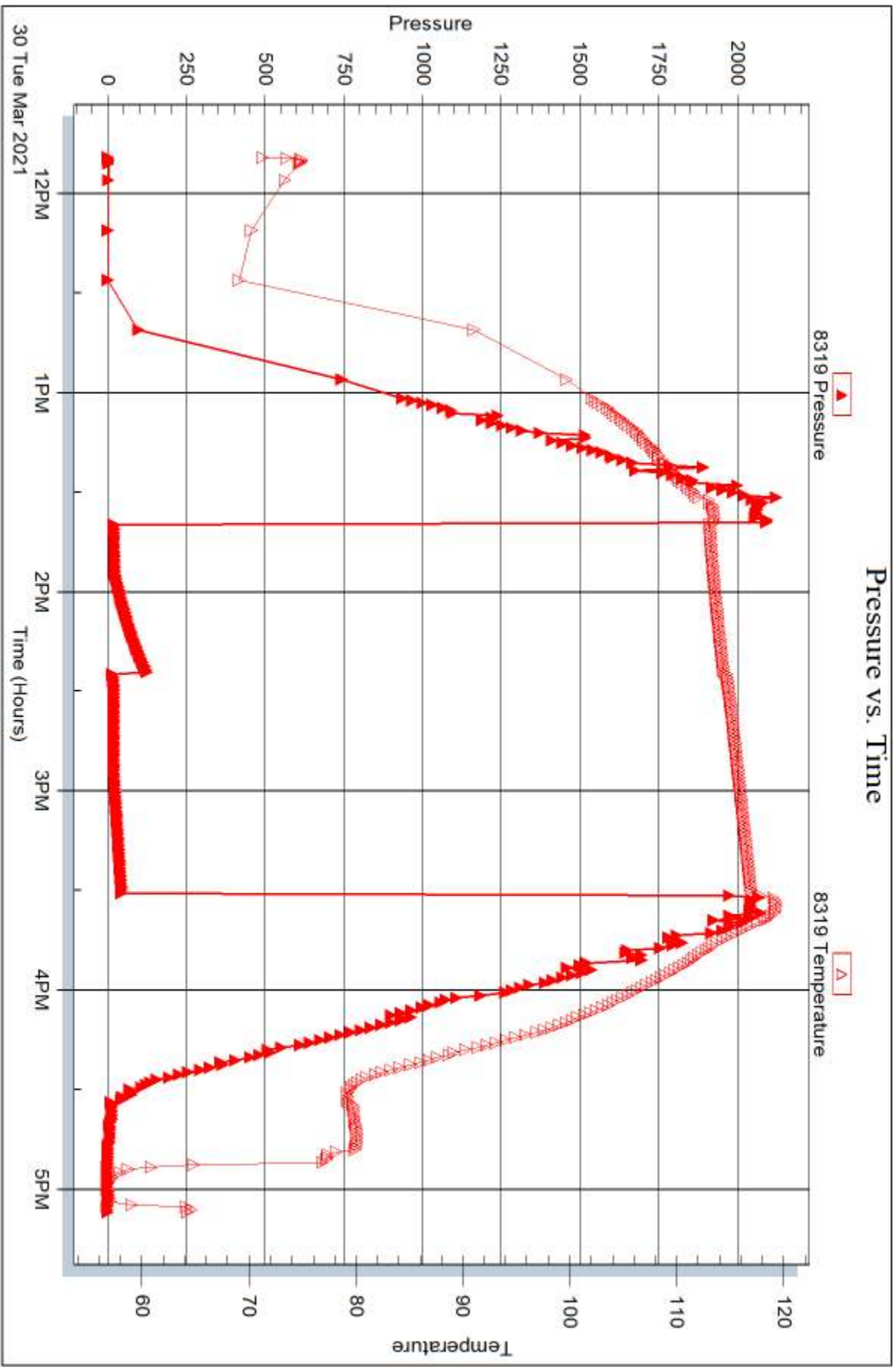
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100m (oil spots)	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

H&V Farms #2-35

35-8s-31w Thomas,KS

Start Date: 2021.03.31 @ 11:13:00

End Date: 2021.03.31 @ 15:29:30

Job Ticket #: 66980 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.04.02 @ 12:59:25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66980 **DST#: 6**
 Test Start: 2021.03.31 @ 11:13:00

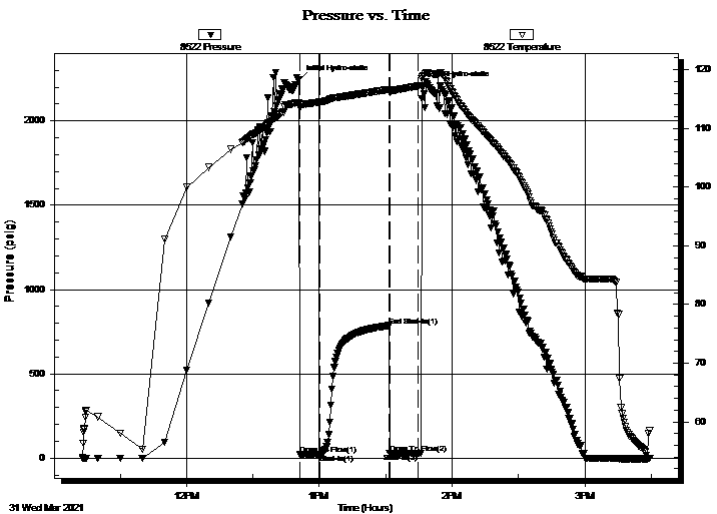
GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:51:15
 Time Test Ended: 15:29:30
 Interval: **4364.00 ft (KB) To 4412.00 ft (KB) (TVD)**
 Total Depth: 4412.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2980.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8522 Inside
 Press@RunDepth: 23.12 psig @ 4365.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.31 End Date: 2021.03.31 Last Calib.: 2021.03.31
 Start Time: 11:13:05 End Time: 15:29:29 Time On Btm: 2021.03.31 @ 12:51:00
 Time Off Btm: 2021.03.31 @ 13:46:30

TEST COMMENT: 15- 1" blow .
 30- No return.
 15- 1/4" blow .
 pulled test

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.24	114.35	Initial Hydro-static
1	22.64	113.42	Open To Flow (1)
10	23.12	114.48	Shut-In(1)
41	785.40	116.63	End Shut-In(1)
41	27.85	116.28	Open To Flow (2)
54	28.09	117.24	Shut-In(2)
56	2210.82	118.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots)	0.28

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

35-8s-31w Thomas, KS
H&V Farms #2-35
Job Ticket: 66980 **DST#: 6**
Test Start: 2021.03.31 @ 11:13:00

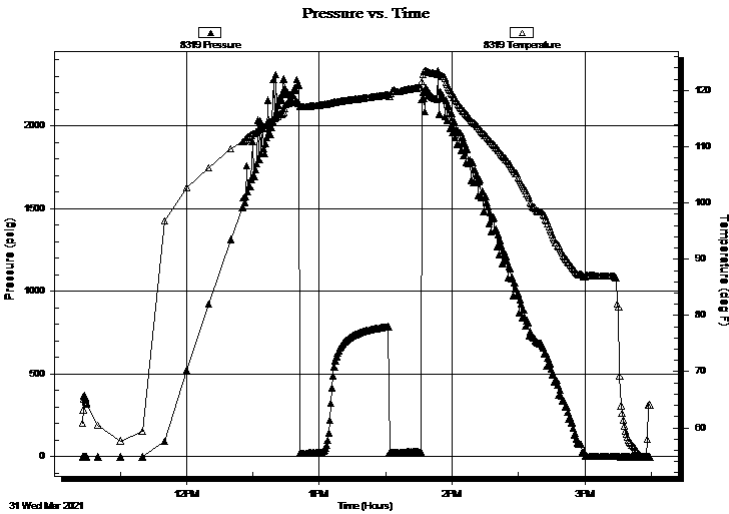
GENERAL INFORMATION:

Formation: Pawnee				
Deviated: No Whipstock:		ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 12:51:15			Tester: Bradley Walter	
Time Test Ended: 15:29:30			Unit No: 78	
Interval: 4364.00 ft (KB) To 4412.00 ft (KB) (TVD)			Reference Elevations: 2980.00 ft (KB)	
Total Depth: 4412.00 ft (KB) (TVD)			2970.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 10.00 ft	

Serial #: 8319	Outside			
Press@RunDepth:	psig @ 4365.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2021.03.31	End Date:	2021.03.31	Last Calib.: 2021.03.31
Start Time:	11:13:05	End Time:	15:29:29	Time On Btm:
				Time Off Btm:

TEST COMMENT: 15- 1" blow .
30- No return.
15- 1/4" blow .
pulled test

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100m (oil spots)	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
Job Ticket: 66980 **DST#: 6**
Test Start: 2021.03.31 @ 11:13:00

Tool Information

Drill Pipe:	Length: 4353.00 ft	Diameter: 3.80 inches	Volume: 61.06 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4364.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 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			4338.00	
Shut In Tool	5.00		Fluid	4343.00	
Hydraulic tool	5.00			4348.00	
Jars	5.00			4353.00	
Safety Joint	2.00			4355.00	
Packer	5.00		Inside	4360.00	27.00 Bottom Of Top Packer
Packer	4.00			4364.00	
Stubb	1.00			4365.00	
Recorder	0.00	8522	Inside	4365.00	
Recorder	0.00	8319	Outside	4365.00	
Perforations	11.00			4376.00	
Change Over Sub	1.00			4377.00	
Drill Pipe	31.00			4408.00	
Change Over Sub	1.00			4409.00	
Bullnose	3.00			4412.00	48.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

35-8s-31w Thomas,KS
H&V Farms #2-35
 Job Ticket: 66980 **DST#: 6**
 Test Start: 2021.03.31 @ 11:13:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

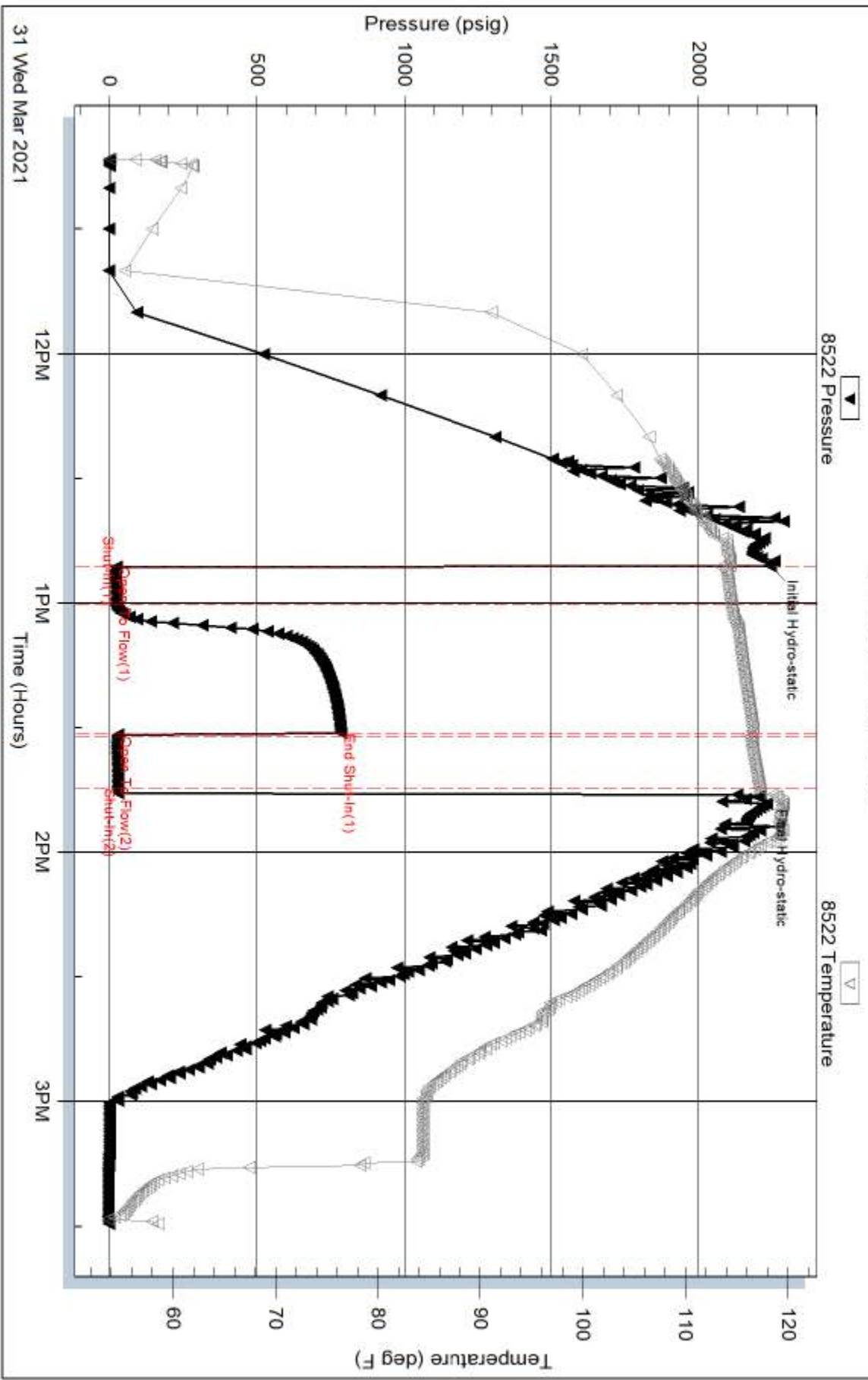
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100m (oil spots)	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

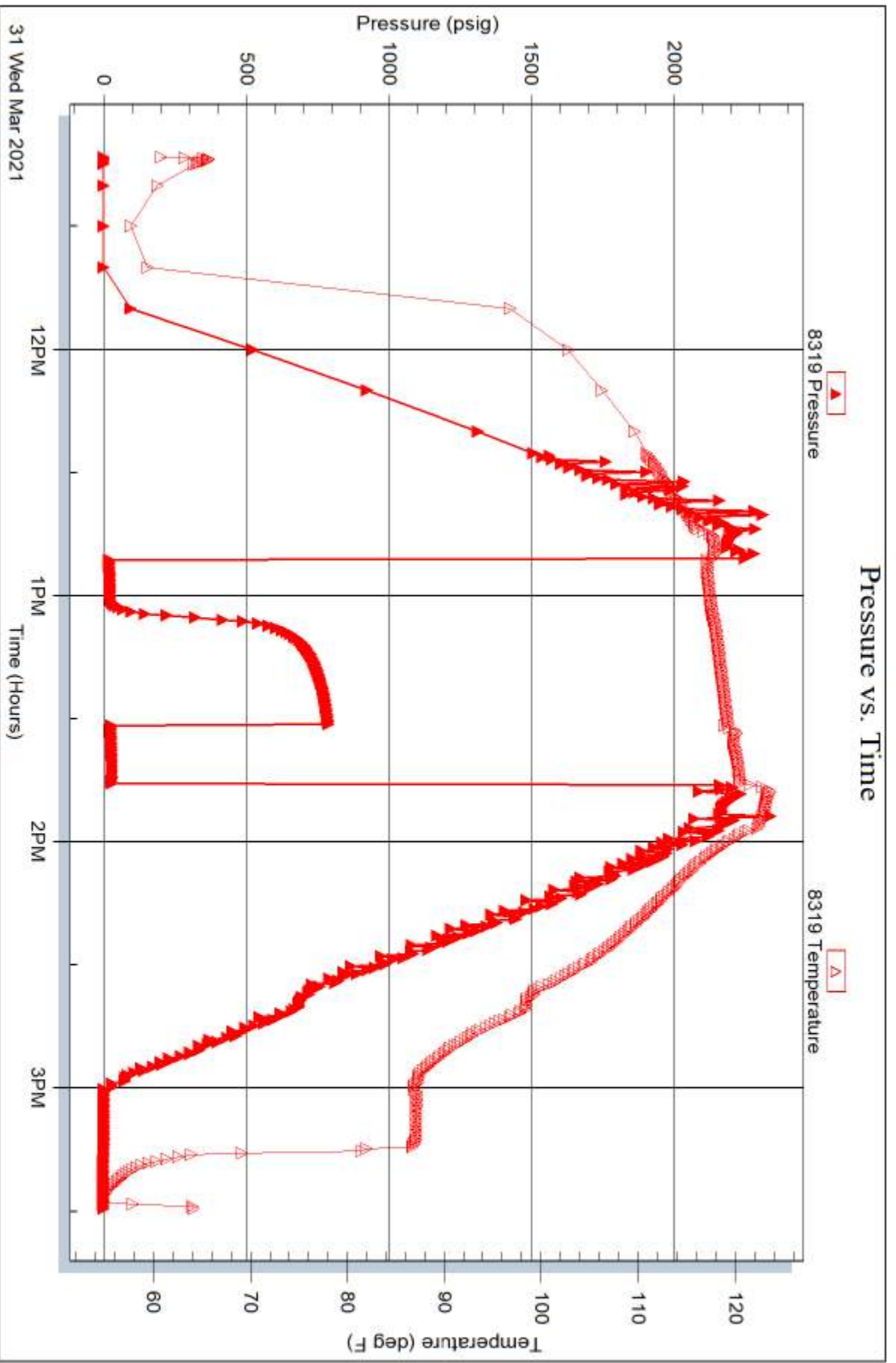


Serial #: 8319

Outside Carmen Schnitt, Inc

H&V Farms #2-35

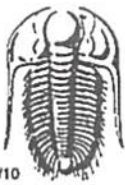
DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 66980

Printed: 2021.04.02 @ 12:59:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66825

Well Name & No. H&V Farms #2-35 Test No. 1 Date 3/27/2021
 Company Carmen Schmitt, Inc Elevation 2980 KB 2970 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rne Rig SW 8
 Location: Sec. 35 Twp 8s Rge. 31w Co. Thomas State Ks

Interval Tested 3970 - 4025 Zone Tested Toronto-LKC A
 Anchor Length 55 Drill Pipe Run 3971 Mud Wt. 9.2
 Top Packer Depth 3965 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3970 Wt. Pipe Run 0 WL 7.2
 Total Depth 4025 Chlorides 2,000 ppm System LCM 2#
 Blow Description IF BOB@ 11 min - 12 1/2" blow
ISI No return.
FF BOB@ 12 min 30" blow.
FSI 1" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>G.MCO</u>	<u>15</u>	<u>45</u>	<u>40</u>	
<u>120</u>	<u>50 MCO</u>		<u>2</u>	<u>85</u>	<u>13</u>
	<u>160' GIP</u>				

Rec Total 260 BHT 121 Gravity — API RW 296 @ 41 °F Chlorides 37,000 ppm

(A) Initial Hydrostatic <u>1989</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1600</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1656</u>
(C) First Final Flow <u>72</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1851</u>
(D) Initial Shut-In <u>1205</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2121</u>
(E) Second Initial Flow <u>76</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2351</u>
(F) Second Final Flow <u>138</u>	<input checked="" type="checkbox"/> Mileage <u>152 RT</u> 84rt 105	Comments _____
(G) Final Shut-In <u>1187</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1956</u>	<input type="checkbox"/> Straddle	_____
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1730</u>	Total <u>1730</u>

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66976

Well Name & No. H&V Farms #2-35 Test No. 2 Date 3/28/2021
 Company Carmen Schmitt, Inc Elevation 2950 KB 2970 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rine Rig SW8
 Location: Sec. 35 Twp 8s Rge. 31w Co. Thomas State Ks

Interval Tested 4027 - 4053 Zone Tested LKC C
 Anchor Length 26' Drill Pipe Run 4003 Mud Wt. 9.2
 Top Packer Depth 4022 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 4027 Wt. Pipe Run 0 WL 7.2
 Total Depth 4053 Chlorides 2300 ppm System LCM 1#
 Blow Description IF BOB@ 12 min - 12 1/2" blow
ISI No return.
FF BOB@ 6 min - 29" blow
FSI No return.

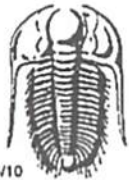
Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>6 MLC</u>	<u>25</u>	<u>40</u>	<u>35</u>	
	<u>360' GIP</u>				

Rec Total 70 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>20 11</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>0700</u>
(B) First Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0747</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0927</u>
(D) Initial Shut-In <u>1270</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1147</u>
(E) Second Initial Flow <u>38</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>57</u>	<input checked="" type="checkbox"/> Mileage <u>152 RT</u> 105	Comments
(G) Final Shut-In <u>1261</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1991</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1730</u>	Total <u>1730</u>
		MP/DST Diss'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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66977

Well Name & No. H&V Farms #2-35 Test No. 3 Date 3/29/2021
 Company Carmen Schmitt, Inc Elevation 2980 KB 2970 GL
 Address PO Box 47 Great Bend, ks 67530
 Co. Rep / Geo. Brad Rine Rig SW8
 Location: Sec. 35 Twp 8s Rge. 31w Co. Thomas State Ks

Interval Tested 4055-4103 Zone Tested LKC P-E-F
 Anchor Length 48' Drill Pipe Run 4036 Mud Wt. 9.1
 Top Packer Depth 4050 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 4055 Wt. Pipe Run 0 WL 7.2
 Total Depth 4103 Chlorides 2300 ppm System LCM 1#

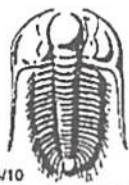
Blow Description IF: BOB@ 2min. built to 42"
ISI: 1/4" return.
FF: BOB@ 3min. built to 93.5"
FBI: 10.5" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>210</u>	<u>60</u>	<u>30</u>	<u>70</u>		
<u>150</u>	<u>GMC0</u>	<u>35-36</u>	<u>35-30</u>		<u>30</u>
	<u>1050' GID</u>				

Rec Total 360 BHT 123 Gravity 39 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2025</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>2145</u>
(B) First Initial Flow <u>40</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2233</u>
(C) First Final Flow <u>72</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2324 0007</u>
(D) Initial Shut-In <u>1264</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0224</u>
(E) Second Initial Flow <u>76</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0438</u>
(F) Second Final Flow <u>159</u>	<input checked="" type="checkbox"/> Mileage <u>152 RT</u> <u>105</u>	Comments
(G) Final Shut-In <u>1245</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2006</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1730</u>	Total <u>1730</u>

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66978

Well Name & No. H&V Farms #2-35 Test No. 4 Date 3/29/2021
 Company Carmen Schmitt, Inc Elevation 2980 KB 2970 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Pine Rig SW8
 Location: Sec. 35 Twp 8s Rge. 31w Co. Thomas State KS

Interval Tested 4127 4175 Zone Tested LRC H
 Anchor Length 48' Drill Pipe Run 4130 Mud Wt. 9.3
 Top Packer Depth 4122 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4127 Wt. Pipe Run 0 WL 8.8
 Total Depth 4175 Chlorides 3,000 ppm System LCM 1#
 Blow Description IF BOB@ 12 min built to 11.5"
ISI 0.5" return.
FF BOB@ 11 min built to 43.5"
ISI 1.6" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>oil</u>	<u>100</u>			
<u>230</u>	<u>mcw (oil spots)</u>		<u>80</u>	<u>20</u>	
	<u>330' GIP</u>				

Rec Total 280 BHT 133 Gravity 38 API RW 144 @ 49 °F Chlorides 53000 ppm

(A) Initial Hydrostatic <u>2078</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1400</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1515</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1646</u>
(D) Initial Shut-In <u>1316</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2001</u>
(E) Second Initial Flow <u>48</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2156</u>
(F) Second Final Flow <u>143</u>	<input checked="" type="checkbox"/> Mileage <u>152 AT</u> <u>105</u>	Comments
(G) Final Shut-In <u>1313</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2018</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1730</u>	Total <u>1730</u>

Approved By _____ Our Representative [Signature]
 MP/DST Disc 1

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66979

Well Name & No. H&V Farms #2-35 Test No. 5 Date 3/30/2021
 Company Carmen Schmitt, Inc Elevation 2980 KB 2970 GL
 Address PO Box 47 Great Bend, Ks 67530
 Co. Rep / Geo. Brad Rine Rig SW8
 Location: Sec. 35 Twp 8s Rge. 3lw Co. Thomas State Ks

Interval Tested 4165 - 4250 Zone Tested LKC - I, J, K
 Anchor Length 85' Drill Pipe Run 4164 Mud Wt. 9.3
 Top Packer Depth 4160 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4165 Wt. Pipe Run 0 WL 7.2
 Total Depth 4250 Chlorides 3300 ppm System LCM 1#

Blow Description IF 0.5" blow
ISI No return.
FF 0.7" blow
FSL No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
	<u>oil spots</u>				

Rec Total 20 BHT 113 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2090</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1030</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1149</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1340</u>
(D) Initial Shut-In <u>123</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1530</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1706</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>152 RT</u> 105	Comments
(G) Final Shut-In <u>44</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2077</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool

Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1730</u>
	Sub Total <u>1730</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]
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TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66980

Well Name & No. HEV Farms #2-35 Test No. 6 Date 3/31/2021
 Company Carmen Schmitt, Inc Elevation 2980 KB 2970 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig SW8
 Location: Sec. 35 Twp 8S Rge. 31W Co. Thomas State KS

Interval Tested 4364-4412 Zone Tested Pawnee
 Anchor Length 48' Drill Pipe Run 4364 Mud Wt. 9.3
 Top Packer Depth 4359 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4364 Wt. Pipe Run 0 WL 9.4
 Total Depth 4412 Chlorides 3300 ppm System LCM 1#

Blow Description IF 1" blow
ISI No return.
FF 1/4" blow
FSI Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</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 20 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2246
 (B) First Initial Flow 22
 (C) First Final Flow 23
 (D) Initial Shut-In 785
 (E) Second Initial Flow 27
 (F) Second Final Flow 28
 (G) Final Shut-In —
 (H) Final Hydrostatic 2210

Test 1300
 Jars 250
 Safety Joint 75
 Circ Sub
 Hourly Standby
 Mileage 152 RT x 2 210
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1835

T-On Location 1030
 T-Started 1113
 T-Open 1250
 T-Pulled 1355
 T-Out 1530
 Comments loaded tools 4/1 5:00
 EM Tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1835
 MP/DST Disc't —

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In Pull

Approved By _____ Our Representative [Signature]
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Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Susan K. Duffy, Commissioner

Laura Kelly, Governor

July 30, 2021

Matt Suchy
Carmen Schmitt, Inc.
PO BOX 47
GREAT BEND, KS 67530-0047

Re: ACO-1
API 15-193-21083-00-00
H&V FARMS 2-35
NE/4 Sec.35-08S-31W
Thomas County, Kansas

Dear Matt Suchy:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 03/20/2021 and the ACO-1 was received on July 30, 2021 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department