

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 Recompletion Date _____ 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
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Chris Batchman Inc.
Well Name	MS 1
Doc ID	1786250

All Electric Logs Run

dual induction
compensated neutron
micro
compensated density
gamma ray

OPERATOR

Company: Chris Batchman Inc.
 Address: 244 SE 120 Ave
 Ellinwood, KS 67526

Contact Geologist: Jim Musgrove
 Contact Phone Nbr: 620-786-0839
 Well Name: MS #1
 Location: 14-20s-12w E2-NW-NW-SE
 API: 15-009-26423-00-00

Pool: Kansas
 State: Kansas
 Field: Chase/Silica
 Country: USA

Scale 1:240 Imperial

Well Name: MS #1
 Surface Location: 14-20s-12w E2-NW-NW-SE
 Bottom Location:
 API: 15-009-26423-00-00
 License Number: 4184
 Spud Date: 7/2/2024 Time: 12:00 AM
 Region: Barton
 Drilling Completed: 7/8/2024 Time: 12:00 AM
 Surface Coordinates: 2310' FSL & 2170' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1802.00ft
 K.B. Elevation: 1812.00ft
 Logged Interval: 2700.00ft To: 3460.00ft
 Total Depth: 3460.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8" in	264 ft			
Int Casing					
Prod Casing	5 1/2" in	3443 ft			

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

OPEN HOLE LOGS

Logging Company: Midwest Wireline
 Logging Engineer:
 Truck #:
 Logging Date: Time Spent:
 # Logs Run: 0 # Logs Run Successful: 0

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
	0.00ft	0.00ft	0.00		0

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
12/5/2007	0.00ft	0.00ft	

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:

Company: James C Musgrove Petroleum LLC
Address: 212 Main Street/PO Box 215
Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839
Logged By: KLG #307

Name: James C Musgrove

CONTRACTOR

Contractor: Southwind Drilling Inc.
Rig #: 1
Rig Type: mud rotary
Spud Date: 7/2/2024
TD Date: 7/8/2024
Rig Release:
Time: 12:00 AM
Time: 12:00 AM
Time:

ELEVATIONS

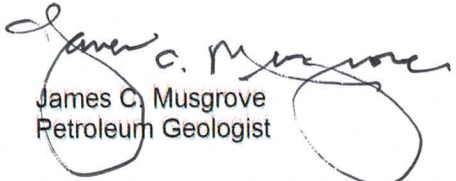
K.B. Elevation: 1812.00ft
K.B. to Ground: 10.00ft
Ground Elevation: 1802.00ft

NOTES

Remarks:


5 1/2" production casing was set and cemented on Chris Batchman Inc, MS #1.

Respectfully submitted,


James C. Musgrove
Petroleum Geologist



Drill Stem Test #1

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT	
	Chris Batchman Inc	14-20S-12W/ Barton
	244 SE 120 Ave, Ellinwood KS 67526	MS 1
	ATTN: Jim Musgrove	Job Ticket: 72027 DST#: 1 Test Start: 2024 07 07 @ 15:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:10:30
Time Test Ended: 23:25:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Richie Samora
Unit No: 76
Interval: **3360.00 ft (KB) To 3378.00 ft (KB) (TVD)**
Total Depth: 3378.00 ft (KB) (TVD)
Reference Elevations: 2180.00 ft (KB)
2170.00 ft (CF)
Hole Diameter: 7.79 inches Hole Condition: Good
KB to GR/CF: 10.00 ft

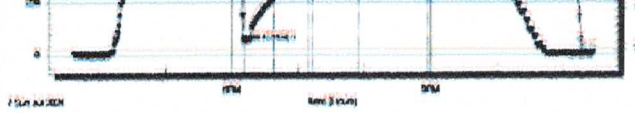
Serial #: 8355

Inside					
Press@RunDepth	477.95 psig @	3368.00 ft (KB)	Capacity	8000.00 psig	
Start Date	2024 07 07	End Date:	2024 07 07	Last Calib.	1899 12 30
Start Time	15:37:01	End Time:	23:25:30	Time On Btm	2024 07 07 @ 17:21:00
				Time Off Btm	2024 07 07 @ 21:07:30

TEST COMMENT: 30-IF: Strong blow BOB in 4 minutes 20 seconds reached 91"
30-ISI: Weak surface blow built to 1"
45-FF: Strong blow BOB in 4 minutes reached 87.5"
60-FSI: No Returns

Pressure vs Time

PRESSURE SUMMARY



Recovery

Length (ft)	Description	Volume (bbl)
639.00	GMCO 30%G 65%O 5%M	8.96
544.00	SGMCO 15%G 80%O 5%M	7.63
63.00	GMO 20%G 55%O 25%M	0.88
63.00	GOCM 30%G 10%O 60%M	0.88

Gas Rates

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

ROCK TYPES

Clystool	Lmst fw7>	shale, gry	shale, red
Dolprim	shale, grn	Carbon Sh	Ss

OTHER SYMBOLS

INTERVALS

- Core
- DST

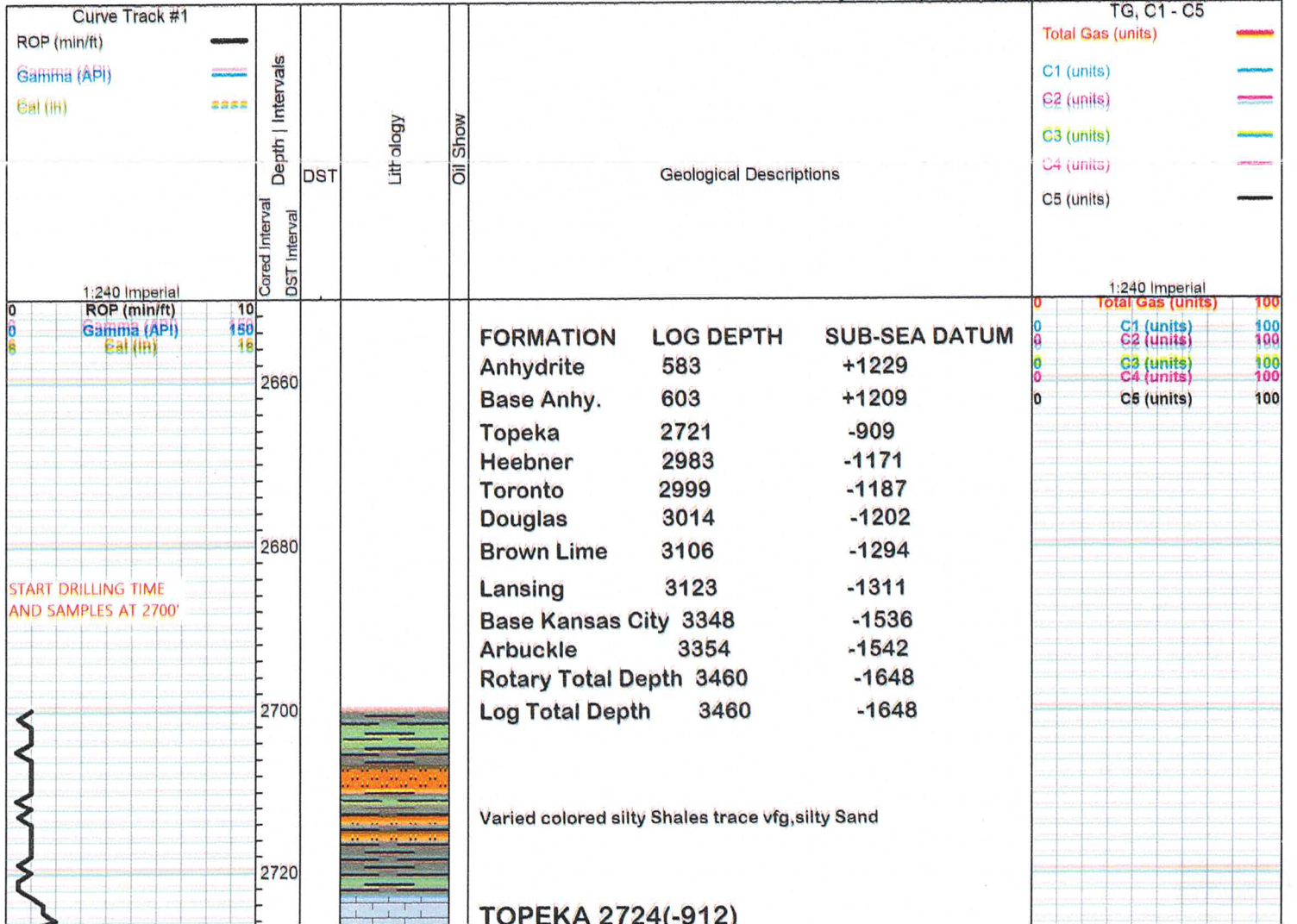
Oil Show

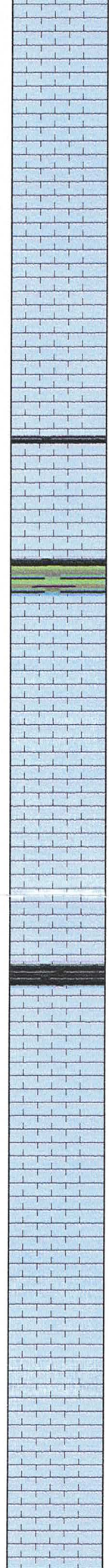
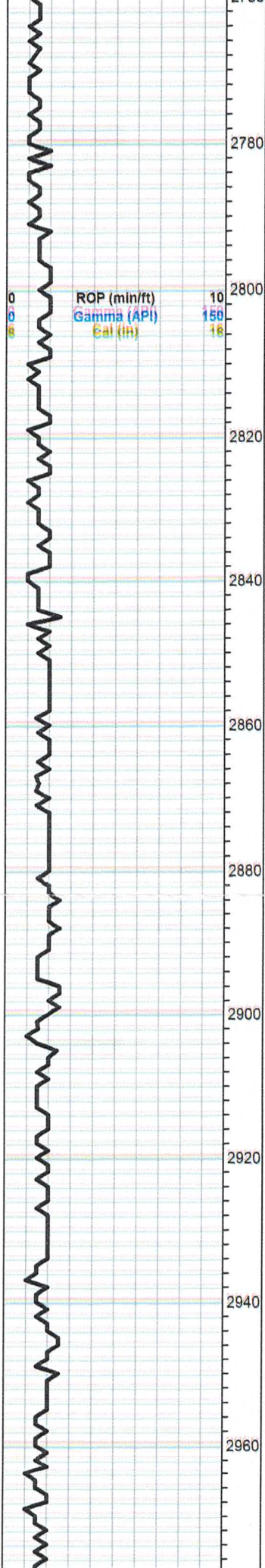
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Str
- D Dead Oil Str
- Fluorescence
- * Gas

DST

- DST Int
- DST alt
- Core
- || tail pipe

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





as above

Ls,gray, mottled,fossiliferous,dense

Shale,black,carbonaceous

Ls,cream,gray,light gray,fxln,foss,chalky in part,with gray Chert

as above

QUEEN HILL 2891

Shale,black,carbonaceous

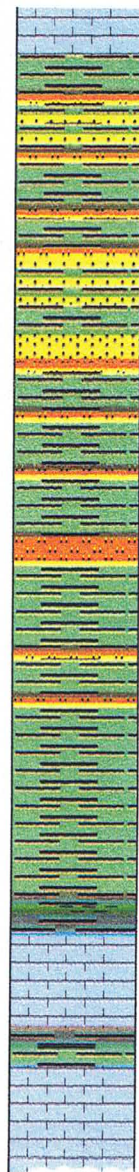
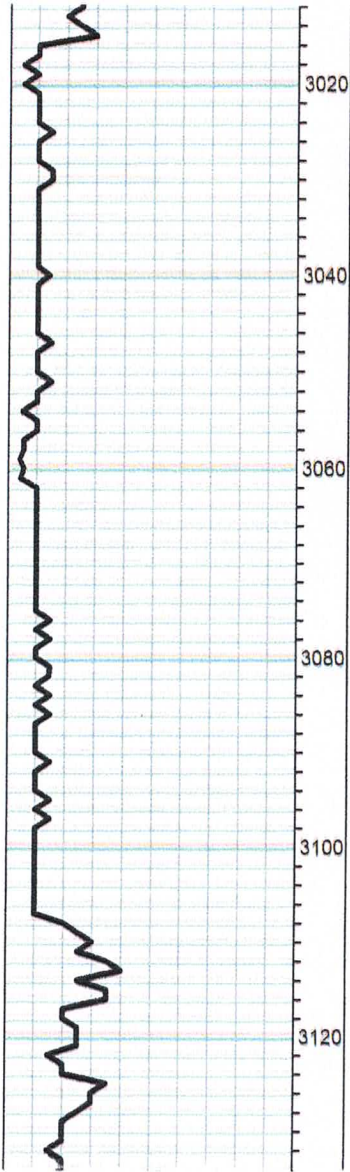
Ls,cream,white,medium crystalline,chalky

as above trace Chert,gray,boney few opaque

Ls,white,gray,fine aand medium crystalline,foss,chalky wit varied shades of gray Chert

as above, chert,opaque to transcleunt

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100



DOUGLAS 3015(-1203)

Shale,gray,grayish green rusty brown,silty, micaeous,

as above trace grayish green silty micaeous Sand

as above

ditto

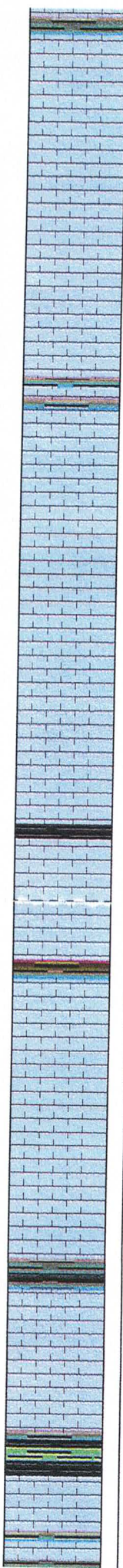
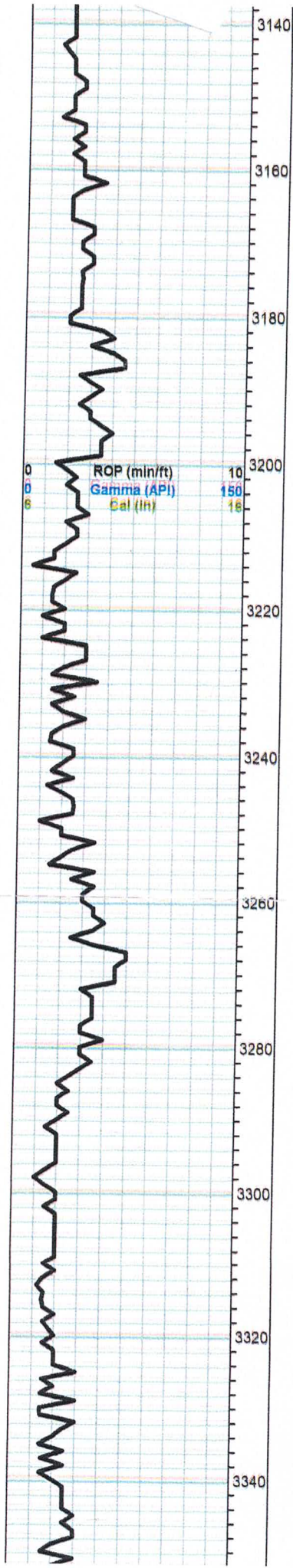
BROWN LIME 3107(-1295)

Ls,tan,gray,fxln,chalky,dense

LANSING 3124(-1312)

Ls,tan,fxln,bioclastic,scattered pinpoint type porosity,trace poor brown stain





Ls, tan, gray, fxln, chalky, poor porosity, spotted light brown to dark brown stain, no free oil and no odor

Ls, tan, gray, highly foss, poor visible porosity, no shows

Ls, white, gray, oolitic, sub oomoldic, fair oomoldic porosity, brown and black stain, no free oil and no odor

Ls, tan, fxln, highly oolitic/fossiliferous, poor to fair intercrystalline and vuggy type porosity, trace dark brown stain, trace of free oil and no odor

Ls, tan, gray, foss, chalky, dense

Shale, black, carbonaceous

Ls, white, gray, oolitic/foss, chalky, black spotted stain, no free oil and no odor

Ls, gray, white, highly oolitic, poor porosity

as above

Ls, tan, white and gray, fxln, foss, poor visible porosity, gray to black and brown stain, no free oil and no odor

Ls, white, gray, fxln, foss, poor visible porosity, chalky increasingly cherty

Shale, gray, black, green soft

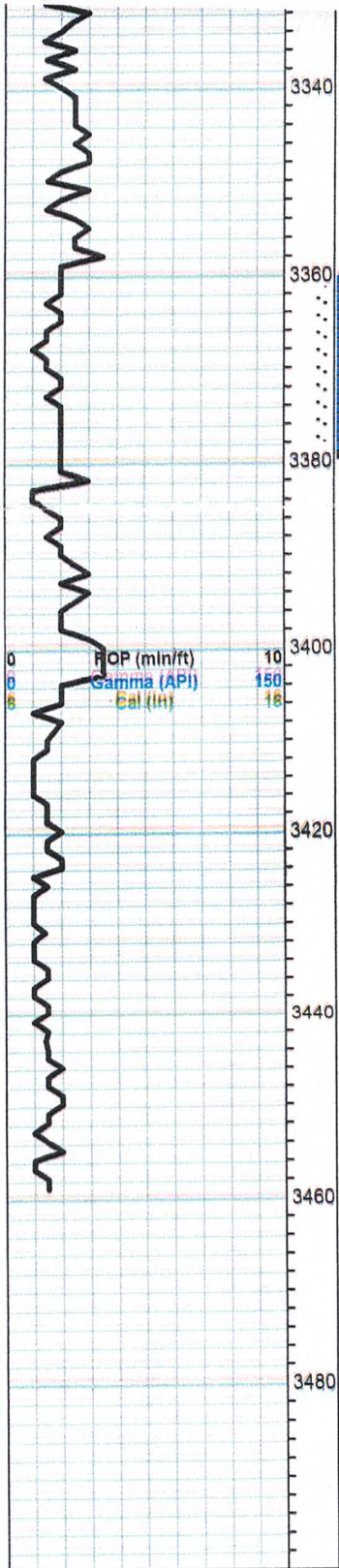
Ls, gray, white, chalky and cherty, dense

BASE KANSAS CITY 3349(-1537)
 APRILKIE 3356(-1544)

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

Mud-Co Mud
 chk
 @ 3000 ft.
 0000 hrs.
 0/0/13
 Vis. 50 Wt.
 9.2
 PV 18 YP 32
 WL 11.2
 Cake 1/32,
 pH 9.0
 CHL 6000
 ppm
 Ca 160 ppm
 Sol 6.1 LCM
 10#
 DMC \$0
 CMC \$0

DST#1 3360-3378
 30-30-45-60
 Blow, Strong(obb 4



Shale,gray,black,green soft

Ls,gray,white,chalky and cherty,dense
BASE KANSAS CITY 3349(-1537)

ARBUCKLE 3356(-1544)

Dolomite,tan,fine and medium crystalline,sucrosic in part, poor visible porosity,trace brown and golden brown stain, show of free oil and faint odor

Dolomite,tan sucrosic, fair pinpoint type porosity,fair to good brown to golden brown stain and saturation,fair show of free oil and faint to fair odor

as above with white Chert

Dolomite,tan,fxln,few medium crystalline,granular to sucrosic,scatterd fine vuggy to pinpoint porosity,brown and golden brown stain show of free oil and faint odor

Dolomite,tan,sucrosic,fair pinpoint porosity,brown and light brown stain and saturation,show of free oil and faint odor with Chert,white and gray, boney

Dolomite,white,gray,fine and medium crystalline,fair intercrystalline porosity,trace spotted brown stain,no free oil and faint odor

Dolomite,white,tan,gray,fxln,poor visible porosity,trace black tarry stain, no free oil and no odor

Dolomite,as above with Chert,white,gray, boney to translucent,trace white Chalk

ROTARY TOTAL DEPTH 3460(-1648)

DST#1 3360-3378

30-30-45-60

Blow, Strong(obb 4 mins and 20 sec)

Recovery 1385' clean gassy oil,trace of mud

BHP 852-799 psi

FP 63-264,350-478 psi

HSH 1742-1680 psi

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100



DRILL STEM TEST REPORT

Prepared For: **Chris Batchman Inc**

244 SE 120 Ave.
Ellinwood KS 67526

ATTN: Jim Musgrove

MS #1

14-20S-12W/ Barton,KS

Start Date: 2024.07.07 @ 15:37:00

End Date: 2024.07.07 @ 23:25:30

Job Ticket #: 72027

DST #: 1

Chris Batchman Inc
14-20S-12W/ Barton,KS
MS #1
DST # 1
Arbuckle
2024.07.07

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

Printed: 2024.07.09 @ 10:53:00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Chris Batchman Inc

244 SE 120 Ave.
Ellinwood KS 67526

ATTN: Jim Musgrove

14-20S-12W/ Barton,KS

MS #1

Job Ticket: 72027

DST#: 1

Test Start: 2024.07.07 @ 15:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:10:30

Time Test Ended: 23:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 76

Interval: **3360.00 ft (KB) To 3378.00 ft (KB) (TVD)**

Total Depth: 3378.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 2180.00 ft (KB)

2170.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **8355**

Inside

Press@RunDepth: 477.95 psig @ 3366.00 ft (KB)

Start Date: 2024.07.07

End Date: 2024.07.07

Start Time: 15:37:01

End Time: 23:25:30

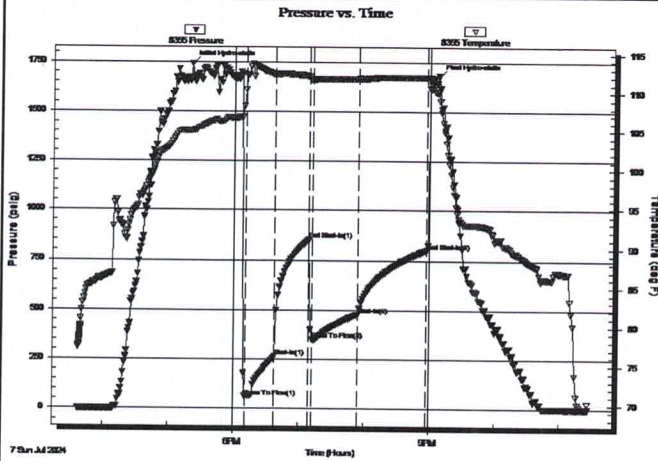
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2024.07.07 @ 17:21:00

Time Off Btm: 2024.07.07 @ 21:07:30

TEST COMMENT: 30-IF: Strong blow BOB in 4 minutes 20 seconds reached 91"
30-ISI: Weak surface blow built to 1"
45-FF: Strong blow BOB in 4 minutes reached 87.5"
60-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.34	104.99	Initial Hydro-static
50	62.83	110.35	Open To Flow (1)
77	264.15	112.33	Shut-In(1)
108	852.13	112.10	End Shut-In(1)
111	349.74	111.65	Open To Flow (2)
153	477.95	111.78	Shut-In(2)
216	799.39	111.99	End Shut-In(2)
227	1680.25	110.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
639.00	GMCO 30%G 65%O 5%M	8.96
544.00	SGMCO 15%G 80%O 5%M	7.63
63.00	GMO 20%G 55%O 25%M	0.88
63.00	GOCM 30%G 10%O 60%M	0.88

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Chris Batchman Inc

14-20S-12W/ Barton,KS

244 SE 120 Ave.
Ellinwood KS 67526

MS #1

Job Ticket: 72027

DST#: 1

ATTN: Jim Musgrove

Test Start: 2024.07.07 @ 15:37:00

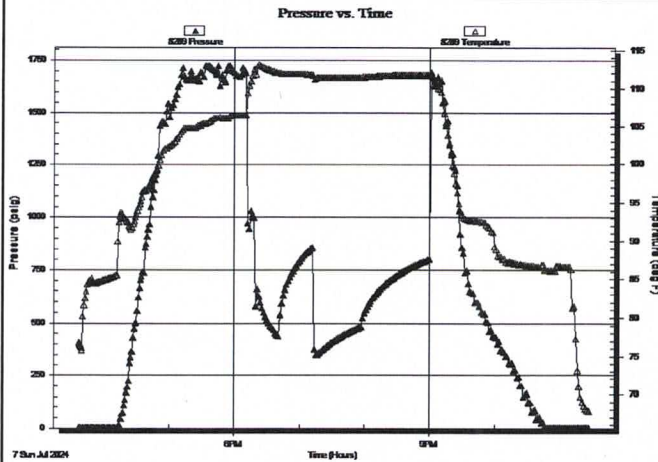
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:10:30
 Tester: Richie Samora
 Time Test Ended: 23:25:30
 Unit No: 76
 Interval: **3360.00 ft (KB) To 3378.00 ft (KB) (TVD)**
 Reference Elevations: 2180.00 ft (KB)
 Total Depth: 3378.00 ft (KB) (TVD)
 2170.00 ft (CF)
 Hole Diameter: 7.79 inches Hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 8289

Press@RunDepth: psig @ ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2024.07.07 End Date: 2024.07.07 Last Calib.: 1899.12.30
 Start Time: 15:37:01 End Time: 23:28:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF: Strong blow BOB in 4 minutes 20 seconds reached 91"
 30-ISI: Weak surface blow built to 1"
 45-FF: Strong blow BOB in 4 minutes reached 87.5"
 60-FS: No Returns



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
639.00	GMCO 30%G 65%O 5%M	8.96
544.00	SGMCO 15%G 80%O 5%M	7.63
63.00	GMO 20%G 55%O 25%M	0.88
63.00	GOCM 30%G 10%O 60%M	0.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chris Batchman Inc

14-20S-12W/ Barton,KS

244 SE 120 Ave.
Ellinwood KS 67526

MS #1

Job Ticket: 72027

DST#: 1

ATTN: Jim Musgrove

Test Start: 2024.07.07 @ 15:37:00

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3360.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 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			3334.00	
Shut In Tool	5.00			3339.00	
Hydraulic tool	5.00		Fluid	3344.00	
EM	4.00			3348.00	
Safety Joint	3.00			3351.00	
Packer	5.00			3356.00	27.00 Bottom Of Top Packer
Packer	4.00			3360.00	
Stubb	1.00			3361.00	
Handling Sub	5.00			3366.00	
Recorder	0.00	8355	Inside	3366.00	
Recorder	0.00	8289	Outside	3366.00	
Perforations	9.00			3375.00	
Bullnose	3.00			3378.00	18.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chris Batchman Inc

14-20S-12W/ Barton,KS

244 SE 120 Ave.
Ellinwood KS 67526

MS #1

Job Ticket: 72027

DST#: 1

ATTN: Jim Musgrove

Test Start: 2024.07.07 @ 15:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4050.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
639.00	GMCO 30%G 65%O 5%M	8.963
544.00	SGMCO 15%G 80%O 5%M	7.631
63.00	GMO 20%G 55%O 25%M	0.884
63.00	GOCM 30%G 10%O 60%M	0.884

Total Length: 1309.00 ft Total Volume: 18.362 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 250' of GIP

Serial #: 8355

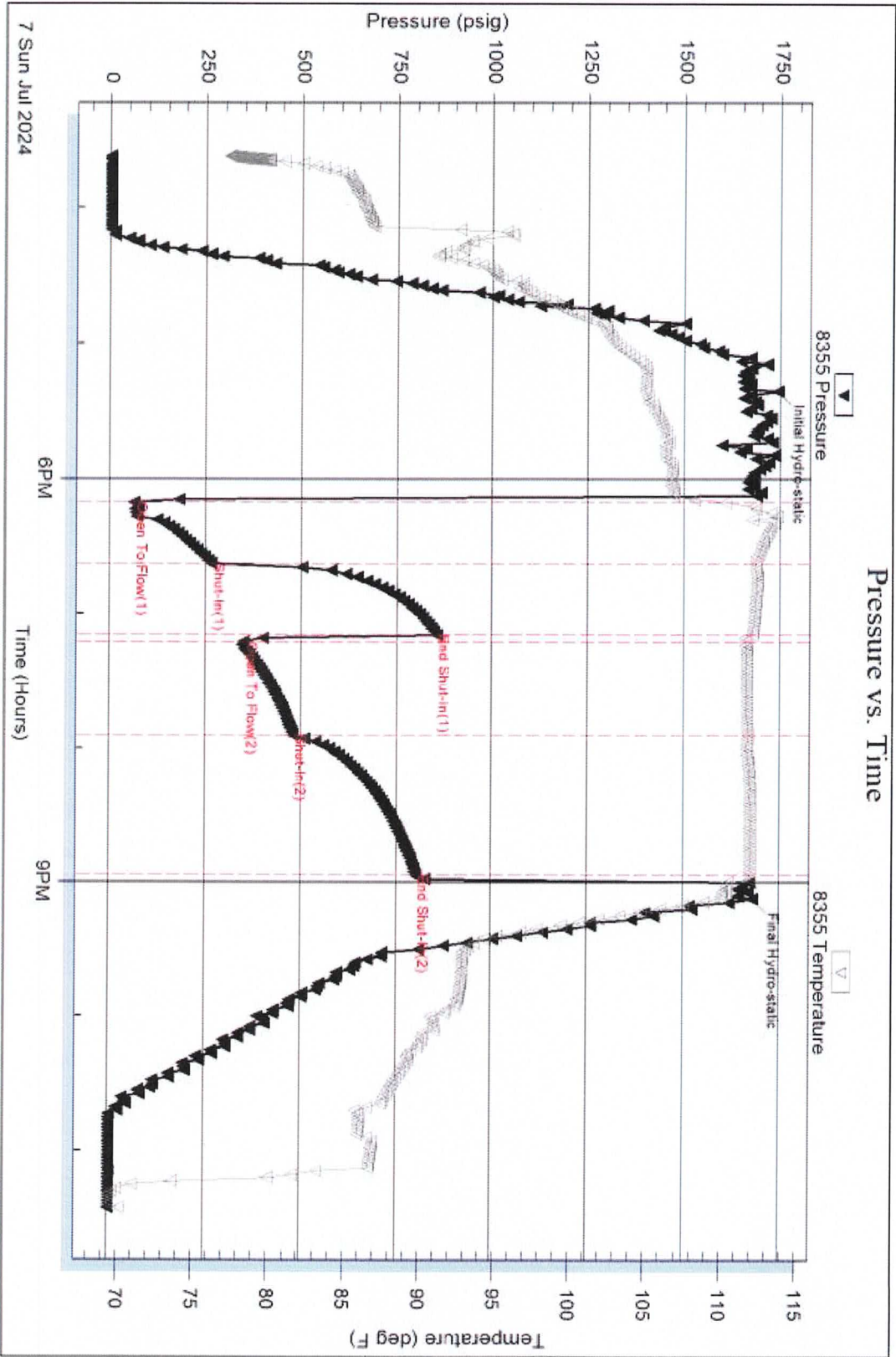
Inside

Chris Batchman Inc

MS #1

DST Test Number: 1

Pressure vs. Time

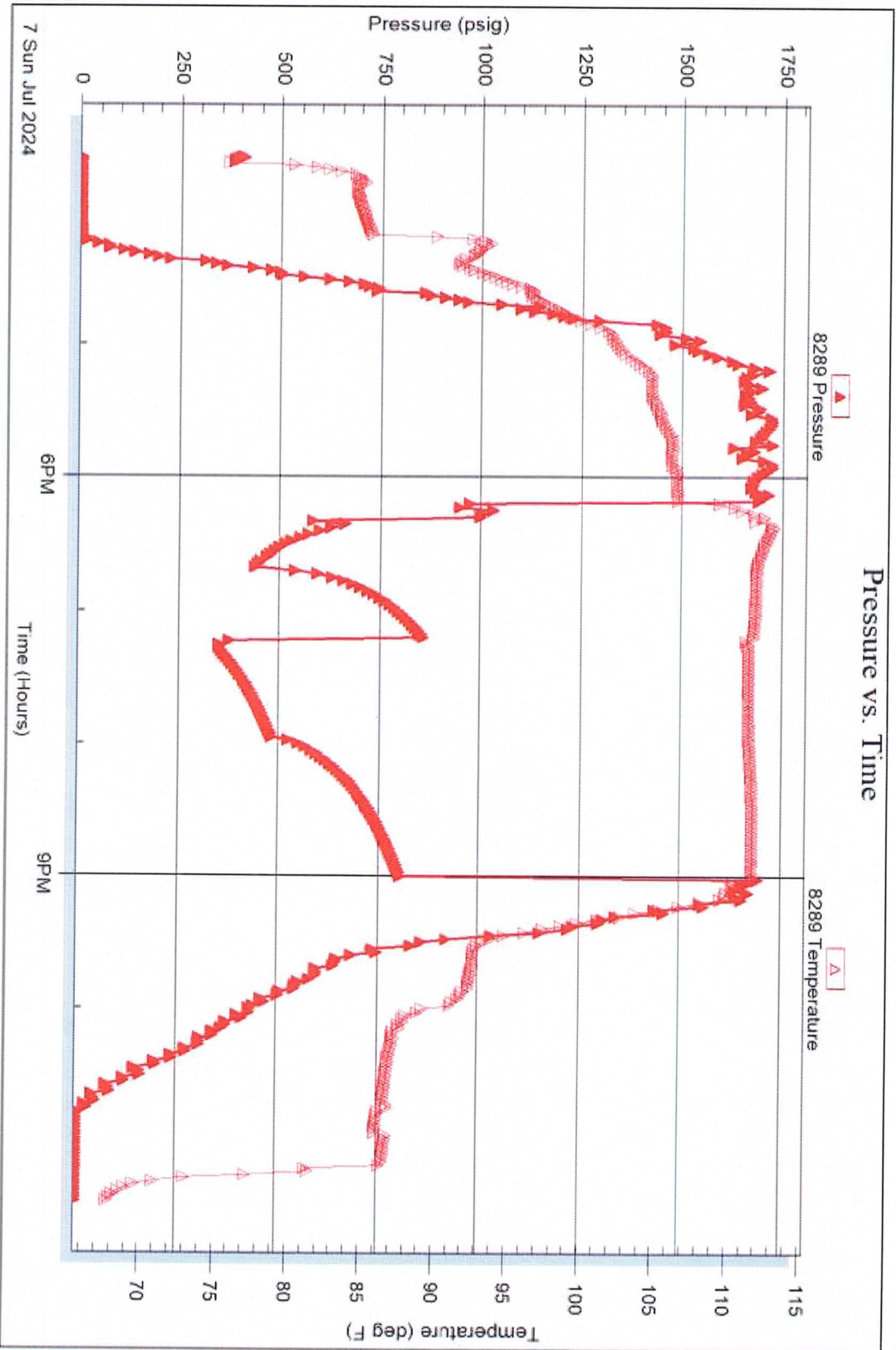


Serial #: 8289

Chris Batchman Inc

MS #1

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 72027

Well Name & No. M 5 L Test No. 1 Date 7-7-24
 Company Chris Batchman Inc Elevation 2175 KB 2170 GL
 Address 244 SE 120 Ave Ellinwood, KS 67526
 Co. Rep / Geo John Musgrove Rig Southwind 1
 Location: Sec. 14 Twp 20S Rge. 12W Co. Barton State KS

Interval Tested 3360-3378 Zone Tested Arbuckle
 Anchor Length 18' Drill Pipe Run 3362 Mud Wt. 9.5
 Top Packer Depth 3355 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3360 Wt. Pipe Run 0 WL 8.0
 Total Depth 3378 Chlorides 4050 ppm System LCM 1#

Blow Description FF: Strong blow BOB in 2 1/2 minutes 20 seconds 91.1"
SI: weak blow built to 71"
FF: Strong blow BOB in 3 minutes Reached 87.5"
FSI: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>567</u>	<u>GMCO</u>	<u>30</u>	<u>65</u>	<u>0</u>	<u>5</u>
<u>544</u>	<u>SGMCO</u>	<u>5</u>	<u>80</u>	<u>0</u>	<u>5</u>
<u>63</u>	<u>GMO</u>	<u>20</u>	<u>55</u>	<u>0</u>	<u>25</u>
<u>126</u>	<u>GMO</u>	<u>30</u>	<u>65</u>	<u>0</u>	<u>5</u>
<u>63</u>	<u>GOCM</u>	<u>30</u>	<u>10</u>	<u>0</u>	<u>60</u>
Rec	Feet of <u>240' of GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1363 BHT 113.4 Gravity 38 API 37 @ 70 °F Chlorides N/A ppm
 Initial Hydrostatic 1742 Test 1800 Ruined Shale Packer
 Initial Flow 63 to 269 Jars Ruined Packer
 Initial Shut-In 852 Circ Sub Hotel
 Final Flow 350 to 478 Hourly Standby EM Tool Successful -175
 Final Shut-In 799 Mileage 12x2 42 Accessibility
 Final Hydrostatic 1680 Sampler Gas Sample
 T-On Location 1506 Straddle Oversized Hole
 Initial Flow 30 T-Started 16:05 Shale Packer Sub Total -175
 Initial Shut-In 30 T-Open 18:09 Extra Packer Total 1667
 Final Flow 45 T-Pulled 20:58 Extra Recorder Tool Loaded 7-8 @ 00:30
 Final Shut-In 60 T-Out 23:28 Day Standby MP/DST Disc't
 Comments 1537

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of 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.



TREATMENT REPORT

Acid Stage No. _____

Date 7/8/2024 District GB F.O. No. 50754
 Company Chris Batchman Inc
 Well Name & No. MS 1
 Location _____ Field _____
 County Barton State KS

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____

Casing: Size 5 1/2" Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Pump Trucks, No. Used: Std. 365 Sp. _____ Twin _____
 Auxiliary Equipment _____ 360
 Personnel Nathan Ross Curtis
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative Chris B. Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	
	Tubing	Casing		
5:00				On Location. Run casing and float equipment.
				Run pipe and tag bottom.
				Break circulation with mud pump. Circulate for 30 minutes.
				Pump 600gal Mud Flush
				Plug Rat Hole with 30sks and Mouse Hole with 20sks
				Mix 125sks 60/40poz 2%gel 10% Salt .5% C-37 .5%C41p .5%C12 5#/sk gilsonite
				Displace with 81bbbls at 5.5bpm-300# Plug did not land.
				Release Pressure. Float Held.
				Thank You! Nathan W.