

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	Murfin Drilling Co., Inc.
Well Name	POCHOP 'A' 1-34
Doc ID	1650274

All Electric Logs Run

BHCS
BHV
DIL
DUCP
MEL

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Pochop A #1-34
Well Id:
Location: 330' FSL 1895 FEL Sec 34-T2S-R35W
License Number: 15-153-21289
Spud Date: 4/27/2022
Surface Coordinates:
Region:
Drilling Completed: 5/3/2022

Bottom Hole
Coordinates:
Ground Elevation (ft): 3117 K.B. Elevation (ft): 3122
Logged Interval (ft): 3700 To: 4770 Total Depth (ft): 4770
Formation: Mississipp[ian
Type of Drilling Fluid: Chemical mud

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

OPERATOR

Company: Murfin Drilling Company, Inc
Address: 250 N Water Suite 300
Wichita, Kansas 67202

GEOLOGIST

Name: Rod Andersen
Company: Rod Andersen Consulting
Address: 100 S. Main Suite 225
Wichita, Kansas 67202

Cores

DSTs

Comments

ROCK TYPES

	Anhy		Coal		Lmst		Shcol
	Bent		Congl		Meta		Shgy
	Brec		Dol		Mrlst		Sltst
	Cht		Gyp		Salt		Ss
	Clyst		Igne		Shale		Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral

- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol

- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOW

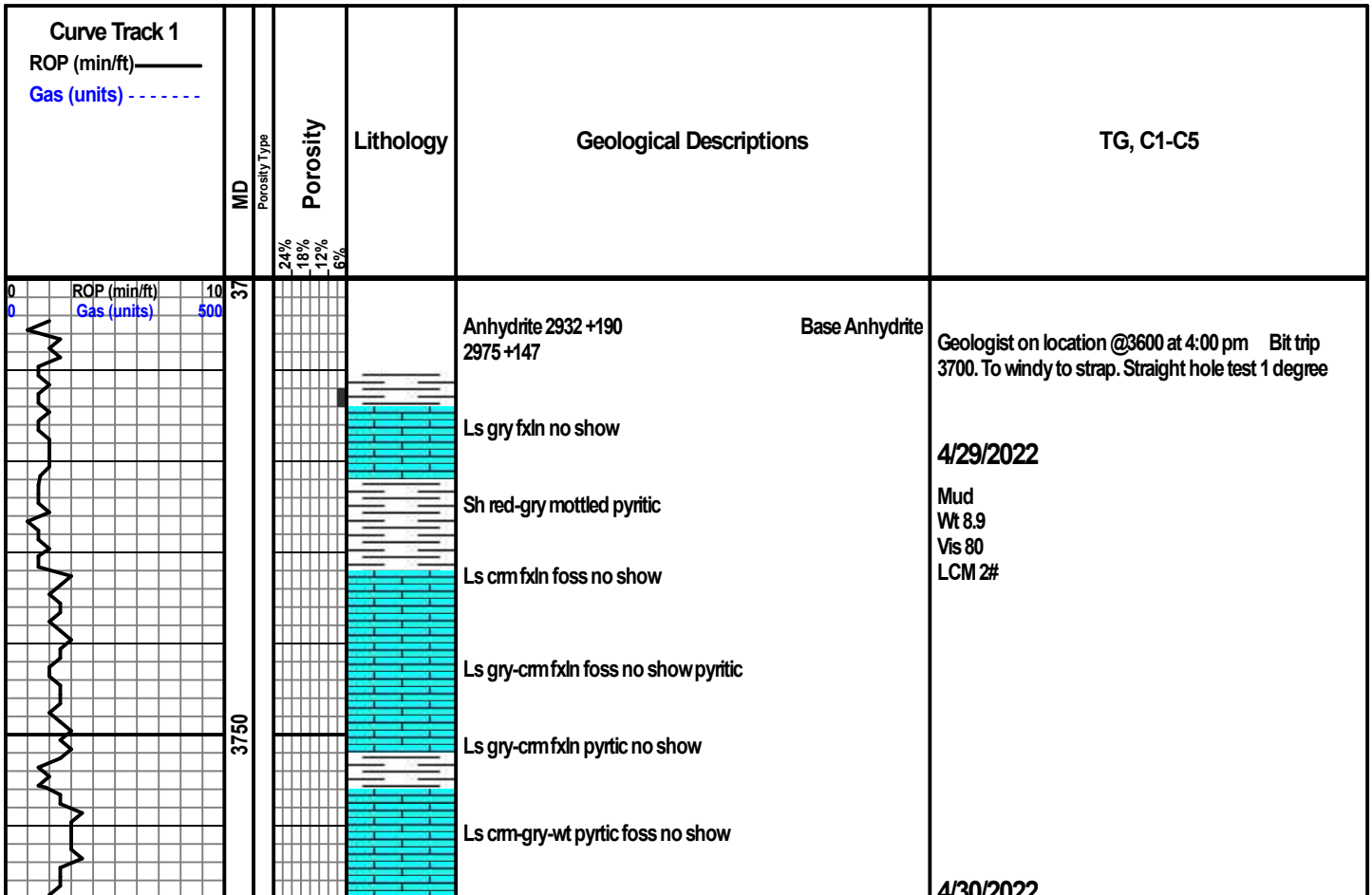
- Even
- Spotted
- Ques
- Dead

INTERVAL

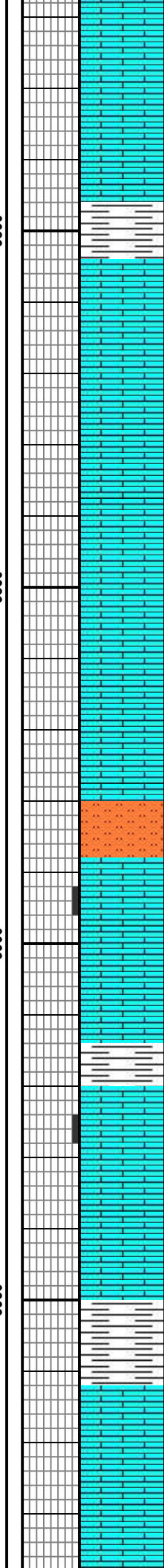
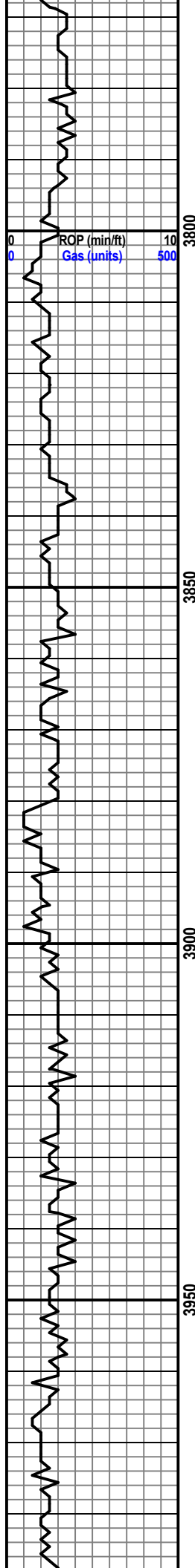
- Core
- Dst

EVENT

- Rft
- Sidewall



Mud:
wt: 9.0
Vis: 62
LCM: 4



Ls cm-tan fxln foss no show

Ls cm-gry fxln-mxln foss no show

Sh gy-red

Ls cm fxln-mxln foss no show

Ls cr,-tan fxln-cxln vfoss no show

Ls cm-tan fxln-cxln pinpoint por foss scattered blk oil stain no free oil no odor

Ls cm-tan fxln-mxln foss no show

Ls cm mxln foss no show

Ls cm-tan fxln-cxln foss no show silty in part granular

Siltstone clear-gry fngr granular Ls in part granular silty no show

Ls fxln-cxln foss fosscast por in part no show

Sh gry-red

Ls cm-tan fxln foss no show

Ls gry-tan fxln-cxln foss no show

Ls cm-tan fxln-cxln foss no show

Sh gry-blk

Ls cm-tan fxln-cxln foss no show

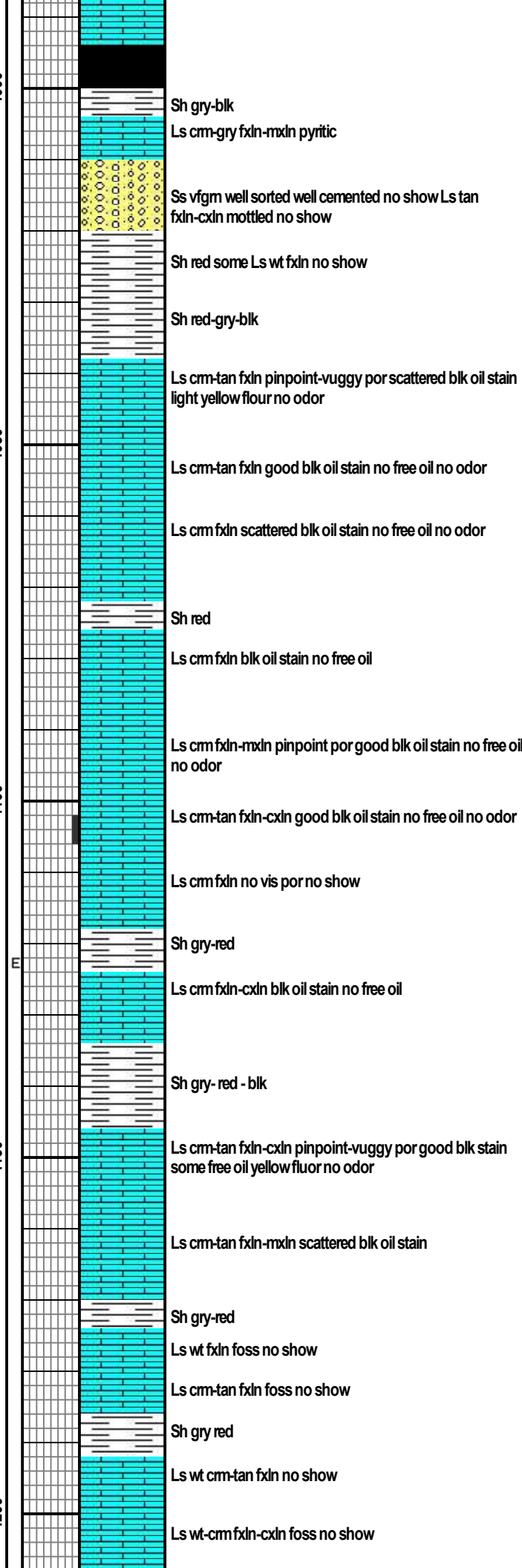
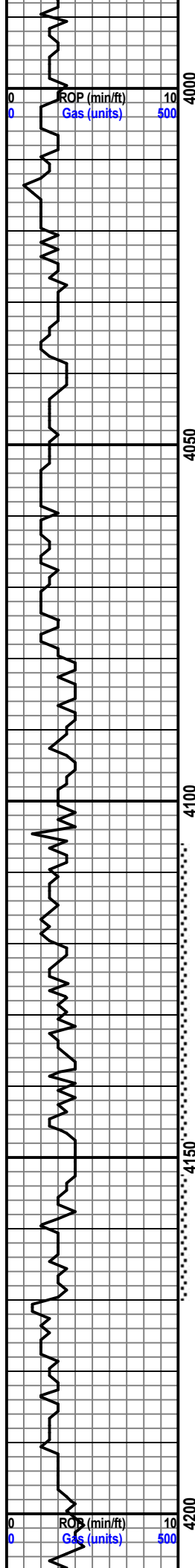
Ls gry-cm-tan fxln foss no show

Ls cm-tan fxln foss no show

Topeka 3844 -722

LaCompton 3898 -776

Oread 3962 -840



Heebner Sh 3996 -874

CFS 4000

Sh gry-blk
Ls cm-gry fxln-mxln pyritic

Ss vfgm well sorted well cemented no show Ls tan
fxln-cxln mottled no show

Sh red some Ls wt fxln no show

Sh red-gry-blk

Ls cm-tan fxln pinpoint-vuggy por scattered blk oil stain
light yellow flour no odor

Lansing A 4042 -920

Ls cm-tan fxln good blk oil stain no free oil no odor

Ls cm fxln scattered blk oil stain no free oil no odor

Sh red

Ls cm fxln blk oil stain no free oil

Ls cm fxln-mxln pinpoint por good blk oil stain no free oil
no odor

DST #1
4106-4170
REC: 30 WM
900' WTR
FP: 36-632; 236-805#
SIP: 1019-1025#

Ls cm-tan fxln-cxln good blk oil stain no free oil no odor

cfs 4100
Lansing D 4100 -978
cfs 4104

Ls cm fxln no vis por no show

Sh gry-red

cfs 4120
Lansing D' 4124 -1002

Ls cm fxln-cxln blk oil stain no free oil

5/1/2022
mud
wt: 9
vis: 65
lcm: 4

Sh gry- red - blk

Ls cm-tan fxln-cxln pinpoint-vuggy por good blk stain
some free oil yellow flour no odor

Lansing G 4157 -1035

Ls cm-tan fxln-mxln scattered blk oil stain

cfs 4170

Sh gry-red

Ls wt fxln foss no show

5/2/2022

Ls cm-tan fxln foss no show

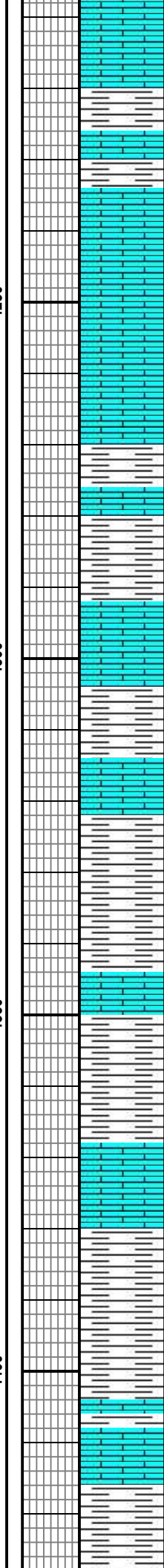
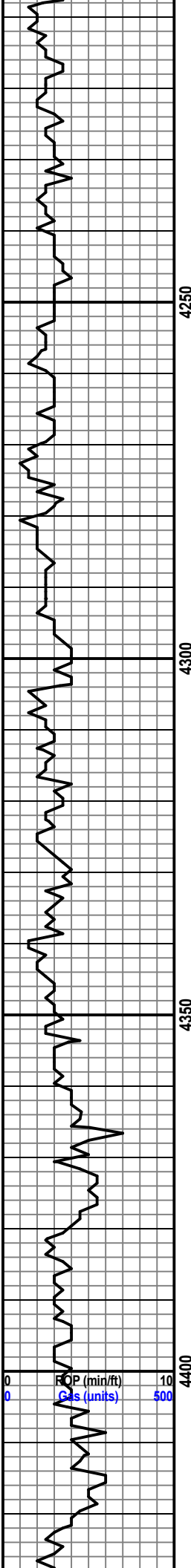
mud
wt: 9.3
vis: 54
LCM: 3

Sh gry red

Ls wt cm-tan fxln no show

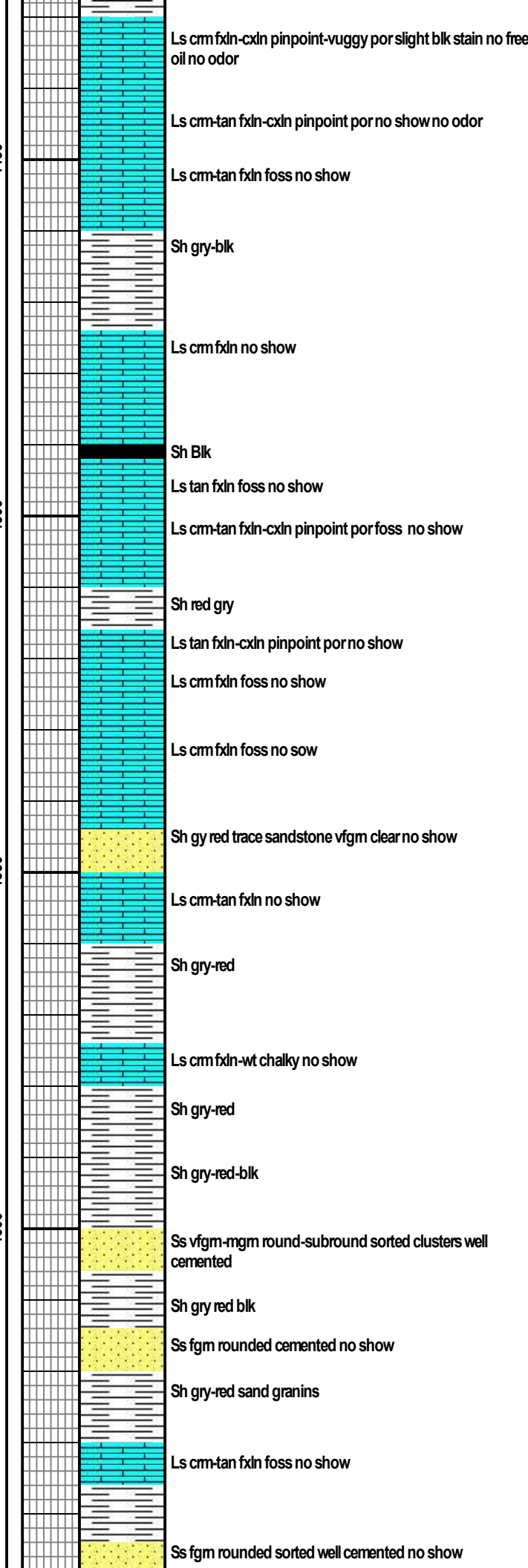
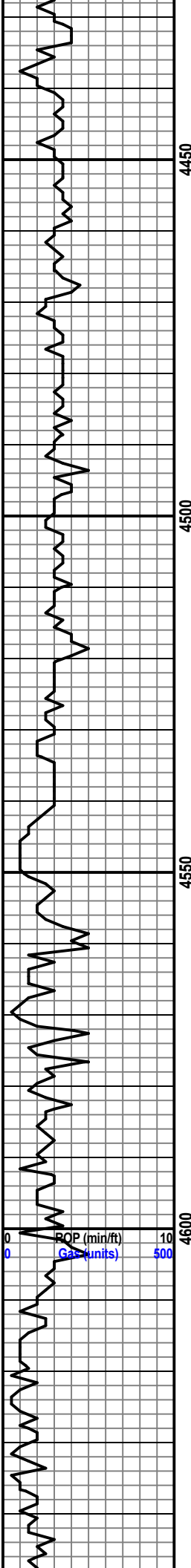
Lansing H 4204 -1082

Ls wt-cm fxln-cxln foss no show



Ls crm-tan fxln-cxln pinpoint por no show chalky in part
 Sh gry red
 Ls wt-crm-tan fxln foss no show
 Sh gry red
 Ls crm-tan fxln no show
 Ls crm-tan-wt fxln-mxln slight blk oil stain
 Ls crm-tan fxln-cxln pinpoint por good blk stain no free oil no odor
 Sh gry-red
 Sh gry-red
 Ls wht-crm fxln foss no show
 Sh gry-red
 Ls wht-crm-tan fxln-cxln pinpoint por foss no show
 Sh gry-red
 Sh gry-red Ls chalky
 Sh gry
 Ls crm fxln no show
 Sh gry Ls chalky
 Sh gry red
 Ls wht-crm fxln chalky in part no show
 Sh red
 Sh gry-red Ls chalky
 Sh gr chaly lime
 Sh gry-red chalky ls
 Sh gry red black wht chalky ls

cfs 4220
 Lansing J 4248 -1126
 cfs 4250
 Stark Shale 4258 -1136
 cfs 4260
 Lansing K 4273 -1151
 Mound City 4294 -1172
 Lenapa 4326 -1204
 Marmaton 4345 -1223
 cfs 4420



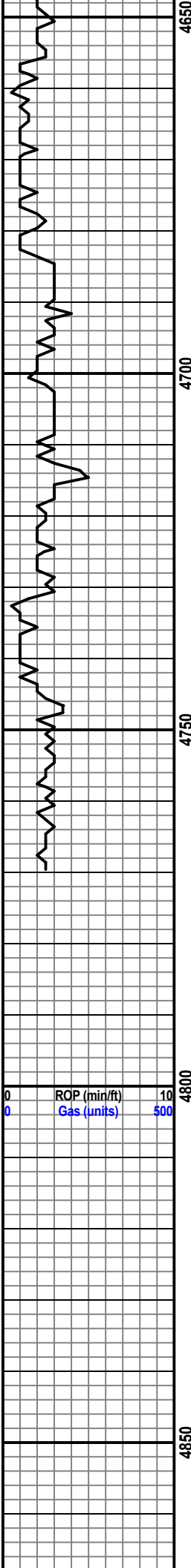
cfs 4430
 Ft Scott 4434 -1312
 cfs 4440
 cfs 4448

Oakley 4508 -1386

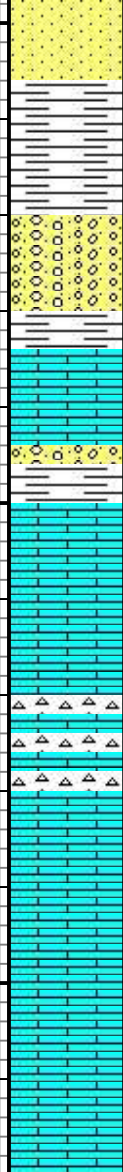
5/3/2022

mud
 wt: 9.5
 vis: 55
 LCM: 2

ROP (min/ft) 0 10
 GAL (units) 0 500



4650
4700
4750
4800
4850



Sh gry red iron concretions sand grains

Sh gry-red, loose sand grains wht Ls fxln foss sli stain,

Ls cm-tan fxln foss no show

Sh red-gry blk

Ls wt-cm-tan fxln-cxln pinpoint por-vuggy por foss no show

Ls cm-tan fxln foss no show

Ls cm fxln-cxln foss cherty

Ls cm-tan fxln-cxln foss no show

Ls wt-cm fxln-cxln

TD 4770 -1648

Mississippian 4684 -1562

DRILLING REPORT - LOG TOPS - POCHOP A 1-34

MDCI Pochop 'A' #1-34 330' FSL 1895' FEL Sec. 34-2S-35W 3122' KB
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Formation	Sample top	Datum	Ref	Log tops	Datum	Ref
Anhydrite	2932	+190	-15	2929	+193	-12
B/Anhydrite	2975	+147	-16	2973	+149	-14
Topeka	3829	-707	flat	3842	-720	-13
Oread	3962	-840	-14	3964	-842	-16
Lansing	4042	-920	-15	4042	-920	-15
Stark	4258	-1136	-10	4262	-1140	-14
Mound City	4294	-1172	flat	4308	-1186	-14
Ft Scott	4434	-1312	-16	4432	-1310	-14
Oakley	4518	-1396	-32	4509	-1387	-23
Mississippi	4684	-1562	-17	4705	-1583	-38
RTD	4770					
LTD				4770		



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water STE
Wichita ,KS 67202-1216

ATTN: Rod Anderson

Pochop A #1-34

34-2s-35w Rawlins,KS

Start Date: 2022.05.01 @ 10:55:00

End Date: 2022.05.01 @ 20:27:15

Job Ticket #: 68638 DST #: 1

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

Printed: 2022.05.05 @ 09:53:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co
 250 N Water STE
 Wichita ,KS 67202-1216
 ATTN: Rod Anderson

34-2s-35w Rawlins,KS
Pochop A #1-34
 Job Ticket: 68638 **DST#: 1**
 Test Start: 2022.05.01 @ 10:55:00

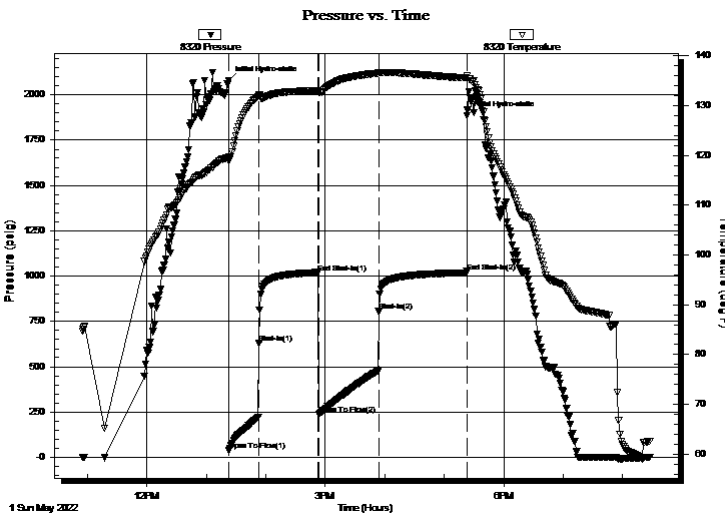
GENERAL INFORMATION:

Formation: **LKC D - G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:22:30
 Time Test Ended: 20:27:15
 Interval: **4106.00 ft (KB) To 4170.00 ft (KB) (TVD)**
 Total Depth: 4170.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Terry Wickham
 Unit No: 75
 Reference Elevations: 3122.00 ft (KB)
 3117.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8320 Outside
 Press@RunDepth: 805.32 psig @ 4109.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.05.01 End Date: 2022.05.01 Last Calib.: 2022.05.01
 Start Time: 10:55:05 End Time: 20:27:15 Time On Btm: 2022.05.01 @ 13:22:15
 Time Off Btm: 2022.05.01 @ 17:23:00

TEST COMMENT: IF 30 BOB 13 min
 ISI 60 No return
 FF 60 BOB 18 min
 FSI 90 no return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.26	119.68	Initial Hydro-static
1	36.39	118.98	Open To Flow (1)
31	631.92	132.15	Shut-In(1)
91	1018.71	132.90	End Shut-In(1)
91	235.65	132.66	Open To Flow (2)
152	805.32	136.65	Shut-In(2)
241	1025.13	135.58	End Shut-In(2)
241	1885.79	135.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	70%w ater 30% mud	0.15
60.00	90%w ater 10% mud	0.30
840.00	100% w ater	11.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co
250 N Water STE
Wichita ,KS 67202-1216
ATTN: Rod Anderson

34-2s-35w Rawlins,KS
Pochop A #1-34
Job Ticket: 68638 **DST#: 1**
Test Start: 2022.05.01 @ 10:55:00

Tool Information

Drill Pipe:	Length: 3912.00 ft	Diameter: 3.83 inches	Volume: 55.74 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: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 56.63 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4106.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	85.00 ft				
Number of Packers:	2	Diameter: 6.88 inches			

Tool Comments:

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

Change Over Sub	1.00			4086.00	
Shut In Tool	5.00			4091.00	
Hydraulic tool	5.00		Fluid	4096.00	
Packer	5.00			4101.00	21.00 Bottom Of Top Packer
Packer	5.00			4106.00	
Stubb	1.00			4107.00	
Perforations	1.00			4108.00	
Change Over Sub	1.00			4109.00	
Recorder	0.00	8320	Outside	4109.00	
Recorder	0.00	8368	Inside	4109.00	
Drill Pipe	32.00			4141.00	
Change Over Sub	1.00			4142.00	
Perforations	25.00			4167.00	
Bullnose	3.00			4170.00	64.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co
250 N Water STE
Wichita ,KS 67202-1216
ATTN: Rod Anderson

34-2s-35w Rawlins,KS
Pochop A #1-34
Job Ticket: 68638 **DST#: 1**
Test Start: 2022.05.01 @ 10:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	30000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 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

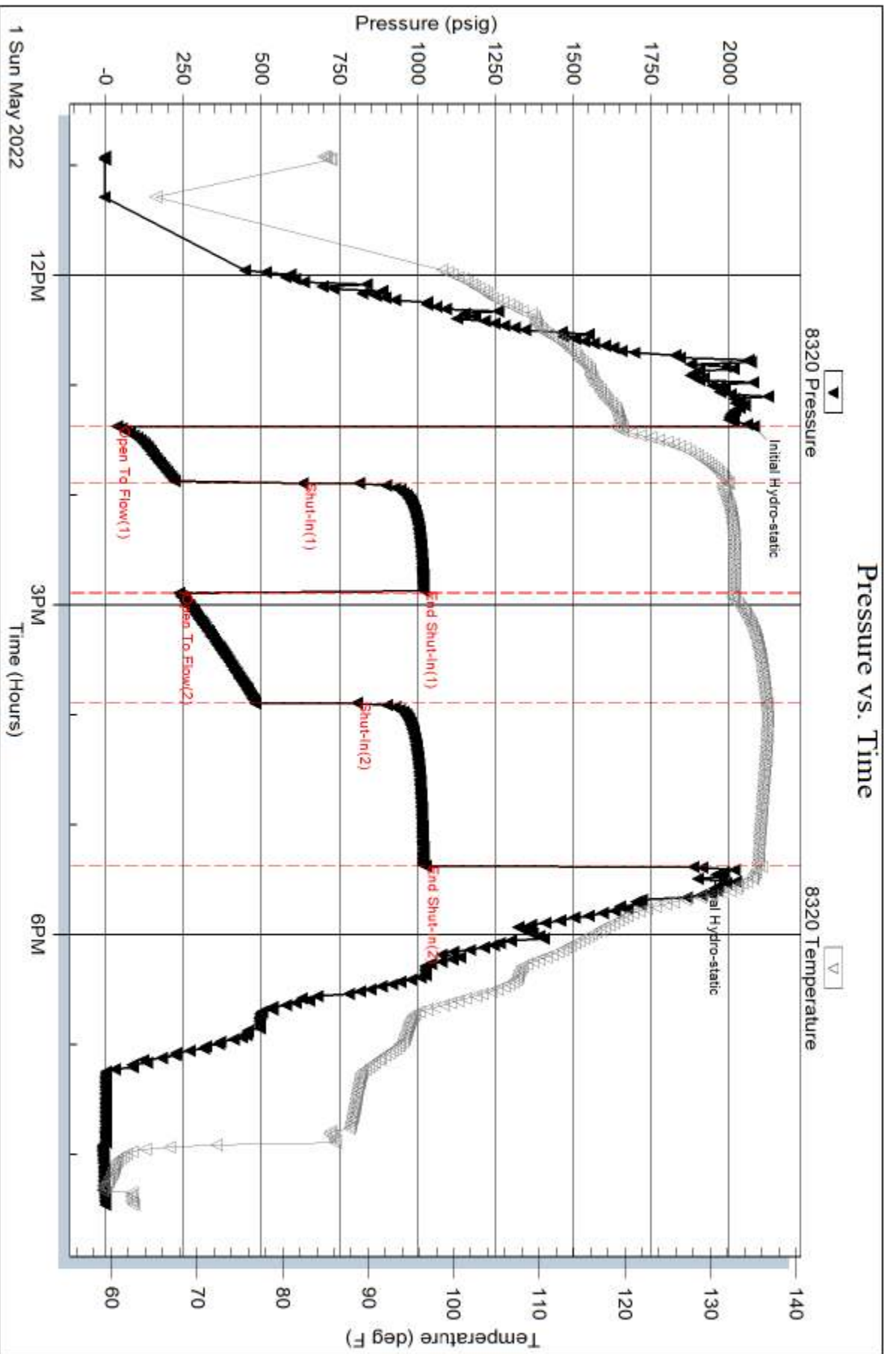
Length ft	Description	Volume bbl
30.00	70%w ater 30% mud	0.148
60.00	90%w ater 10%mud	0.295
840.00	100% w ater	11.098

Total Length: 930.00 ft Total Volume: 11.541 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .23 @ 69 = 30,000



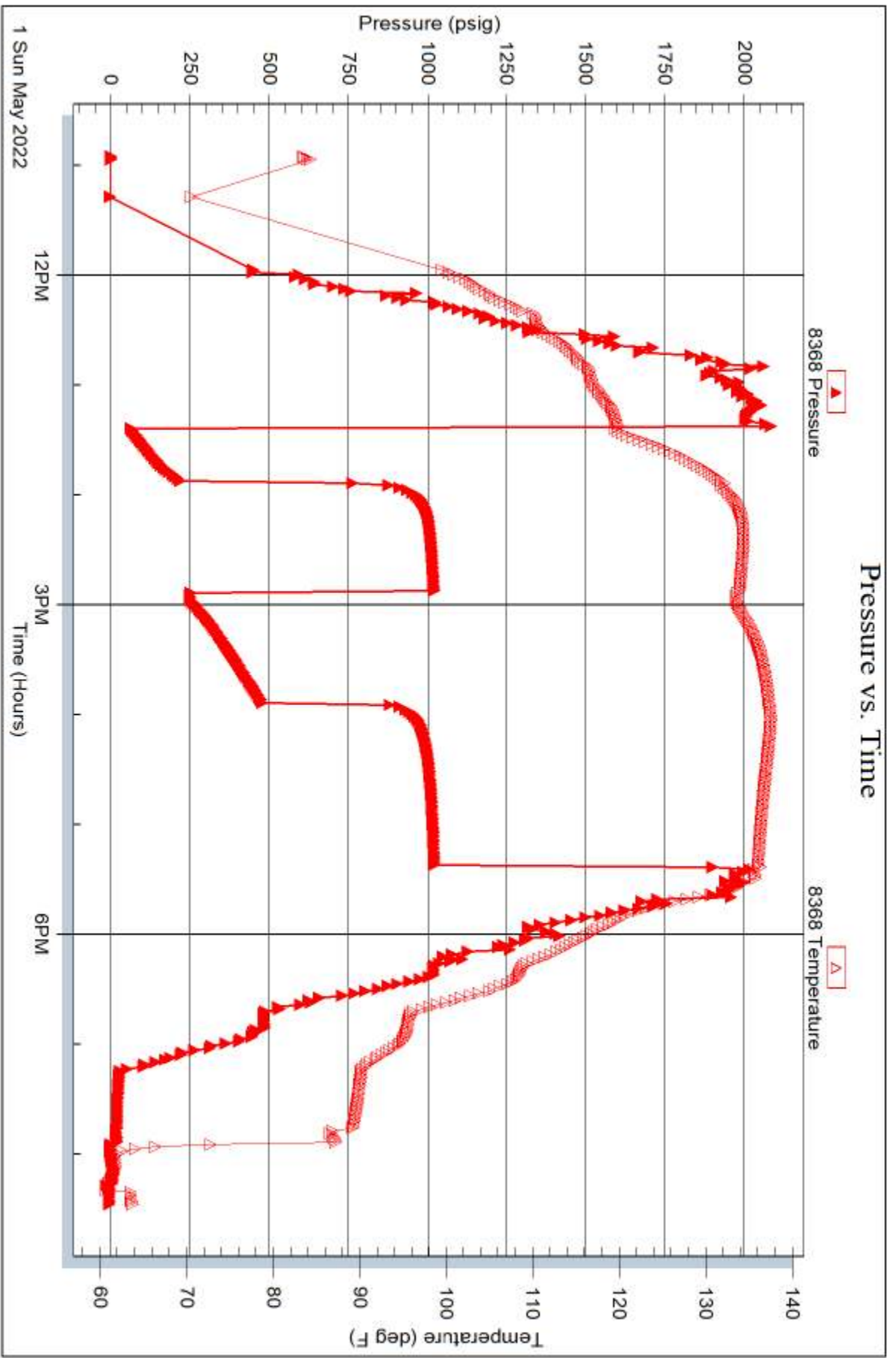
Serial #: 8368

Inside

Murfin Drilling Co

Pochop A #1-34

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68638

Printed: 2022.05.05 @ 09:53:08



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68638

Well Name & No. Pochoy A 1-34 Test No. 1 Date May 1, 2022
 Company Murfin Drilling Co. Inc. Elevation _____ KB _____ GL _____
 Address 250 N Water STE 300 Wichita KS 67202 +1216
 Co. Rep / Geo. Bob Anderson Rig Murfin 8
 Location: Sec. 34 Twp 2 Rge. 35w Co. Rawlins State KS

Interval Tested 4106-4170 Zone Tested Lansing ~~D~~ - ~~D~~ G
 Anchor Length 64 Drill Pipe Run 3912 Mud Wt. 9.0
 Top Packer Depth 4101 Drill Collars Run 181 Vis 65
 Bottom Packer Depth 4106 Wt. Pipe Run _____ WL 6.8
 Total Depth 4170 Chlorides 2,000 ppm System LCM 4#

Blow Description IF-30-Bob 13min
FST-60 - No Return
FF-60 - Bob 18 Min
FST-90 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>			<u>70</u>	<u>30</u>	
<u>60</u>			<u>90</u>	<u>10</u>	
<u>840</u>			<u>100</u>		

Rec Total 930 BHT 136 Gravity _____ API RW 123 @ 169 F Chlorides 30,000 ppm

(A) Initial Hydrostatic 2078 Test 1950 T-On Location 9:45 AM
 (B) First Initial Flow 36 Jars 300 T-Started 10:55 AM
 (C) First Final Flow 632 Safety Joint _____ T-Open 1:22
 (D) Initial Shut-In 1049 Circ Sub _____ T-Pulled 5:22
 (E) Second Initial Flow 234 Hourly Standby _____ T-Out 8:25
 (F) Second Final Flow 805 Mileage 38 x 2 114+114 Comments 35 hrs Standby time
 (G) Final Shut-In 1025 Sampler 38 x 2 Pickup tools Change to Mar total in time
 (H) Final Hydrostatic 1844 Straddle _____ EM Tool _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 90 Extra Recorder _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2728
 Sub Total 2728 MP/DST Disc't _____

Approved By _____ Our Representative Terry Wickham

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.



CEMENT TREATMENT REPORT

Customer: Murfin Drilling CO	Well: Pochop A # 1-34	Ticket: WP 2748
City, State: Oakley KS	County: Rawlins KS	Date: 5/4/2022
Field Rep: Jason Galli	S-T-R: 34-2S-35W	Service: PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4770 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	58.5 bbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.8 ppg
Water / Sx:	1.4 gal / sx
Yield:	6.90 ft ³ / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	4770 ft
Annular Volume:	193.7 bbls
Excess:	
Total Slurry:	64.5 bbls
Total Sacks:	255 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
5:00a			-	-	Arrival
5:05a				-	Safety meeting
5:10a				-	Rig up
5:50a	4.6	350.0	5.0	5.0	H2O ahead
5:53a	4.2	330.0	12.6	17.6	Mixed 50 sks of H-Plug @ 13.8 ppg @ 2975'
5:58a	4.5	300.0	10.0	27.6	Displaced H2O with truck
6:03a				27.6	Displaced mud with rig for 2.5 minutes
6:08a				27.6	Pull pipe to 2000'
6:48a	4.3	140.0	5.0	32.6	H2O ahead
6:52a	4.2	280.0	25.1	57.7	Mixed 100 sks of H-Plug @ 13.8 ppg @ 2000'
6:58a	4.0	200.0	19.6	77.3	Displaced H2O with truck
7:04a					Pull pipe to 350'
			5.0		H2O ahead
			12.6		Mixed 50 sks of H-Plug @ 13.8 ppg @ 350'
			0.8		Displaced H2O with truck
					Pull pipe to surface
			2.5		Mixed 10 sks @ 13.8 ppg @ 40'
			4.9		Mixed 15 sks @ 13.8 ppg @ Mouse hole
			7.5		Mixed 30 sks @ 13.8 ppg @ Rat hole
					Plug down
					Wash up
					Rig down
					Depart location

CREW			UNIT	SUMMARY		
Cementor:	Jesse		78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael		230	4.3 bpm	267 psi	111 bbls
Bulk #1:	Charlies		242			
Bulk #2:						