KOLAR Document ID: 1755709

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 # 30606
Name: Murfin Drilling Co., Inc.
Address 1: 250 N WATER STE 300
Address 2:
City: WICHITA State: KS Zip: 67202 + 1216
Contact Person: Rob Kramer
Phone: (316) 267-3241
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Larry Friend
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.)*: uneconomical to complete

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 #:

11/01/2023 Spud Date or Recompletion Date
11/09/2023 Date Reached TD
03/01/2024 Completion Date or Recompletion Date

API No.: 15-131-20256-00-00
Spot Description:
_ - SE - SW - NE Sec. 35 Twp. 3 S. R. 14 ☑ East ☐ West
2310 Feet from ☑ North / ☐ South Line of Section
1650 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Nemaha
Lease Name: GEORG Well #: 1-35
Field Name:
Producing Formation: Viola
Elevation: Ground: 1274 Kelly Bushing: 1286
Total Vertical Depth: 4034 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 317 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: 1500 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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: 03/07/2024
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Todd Bryant **Date:** 03/14/2024

Operator Name: Murfin Drilling Co., Inc. Lease Name: GEORG Well #: 1-35

Sec. 35 Twp. 3 S. R. 14 ☑ East ☐ West County: Nemaha

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
see attached	see attached	see attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	317		200	
Production	7.875	5.500	15.5	4032		140	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	GEORG 1-35
Doc ID	1755709

All Electric Logs Run

DUCP
DIL
BHCS
MEL

Form	ACO1 - Well Completion
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Well Name	GEORG 1-35
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	317		200	
Production	7.875	5.500	15.5	4032		140	

WELL INFORMATION

Company:	MURFIN DRILLING CO., INC.		
Address:	250 N. WATER, STE 300 WICHITA, KS 67202-1216		
Well Name:	GEORG #1-35		
Location:	2310 FNL & 1650 FEL (SE SW NE) SECTION 35-T3S- R14W NEMAHA COUNTY, KANSAS		
API:	15-131-20256		
Field:	WILDCAT		
K. B. Elevation:	1286	Rotary Depth:	4030
Ground Elevation:	1274	Log Depth:	4034
Spud Date:	11/1/2023	Drilling Completed:	11/9/2023
Completion:	OIL WELL		
Surface Casing:	8 5/8" set @ 317'	Production Casing:	5.5" SET @ 4032
Formation at TD:	ARBUCKLE		
Drilling Fluid Type:	CHEMICAL		
Rig Contractor:	MURFIN RIG # 116		
Logger:	MIDWEST WIRELINE	Logs Run:	DI, CND, SONIC & MICRO
Wellsite Geologist:	LARRY P. FRIEND		

FORMATION DEPTHS

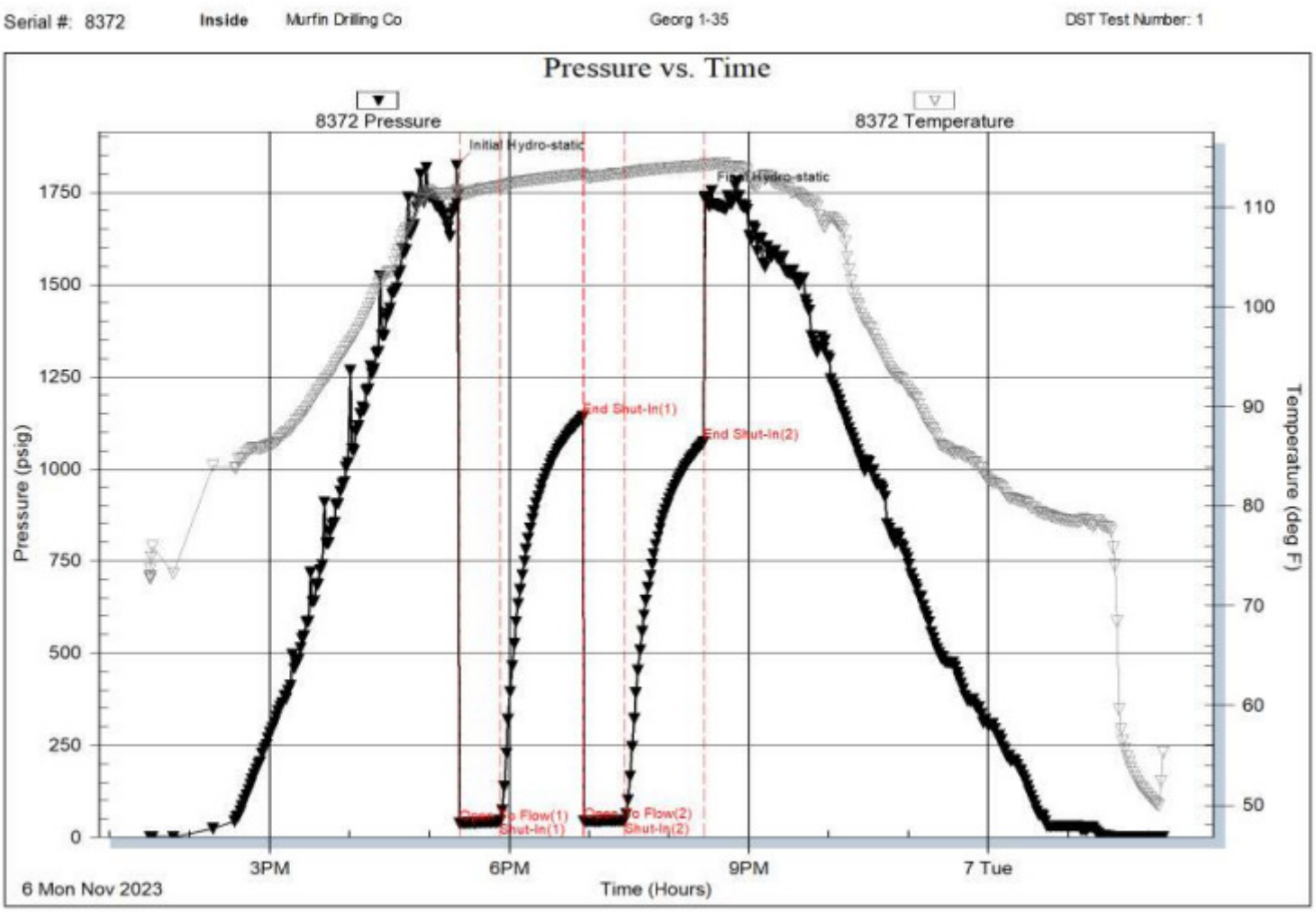
	SAMPLE TOPS- Corrected	LOG	COMPARED TO: EVERTSON MEYER 11-26 SW NW NW SEC. 26-T3S-R14E
MISSISSIPPI	2680 (-1394)	2682 (-1396)	-22
KINDERHOOK	2802 (-1516)	2807 (-1521)	-6
EROS HUNT.	3072 (-1786)	3077 (-1791)	NA
HUNTON	3112 (-1826)	3120 (-1834)	-62
MAQUOKETA	3635 (-2349)	3638 (-2352)	-12
VIOLA	3689 (-2403)	3694 (-2408)	-12
SIMPSON	3846 (-2560)	3850 (-2564)	-13
BS SIMP. SH	3903 (-2617)	3906 (-2620)	-8
UP SIMP. SAND	3911 (-2625)	3913 (-2627)	-9
ST. PETER SAND	3935 (-2649)	3939 (-2653)	-12
LW SIMP. SAND	3946 (-2660)	3952 (-2666)	-3
ARBUCKLE	3976 (-2690)	3980 (-2694)	-1

NOTES

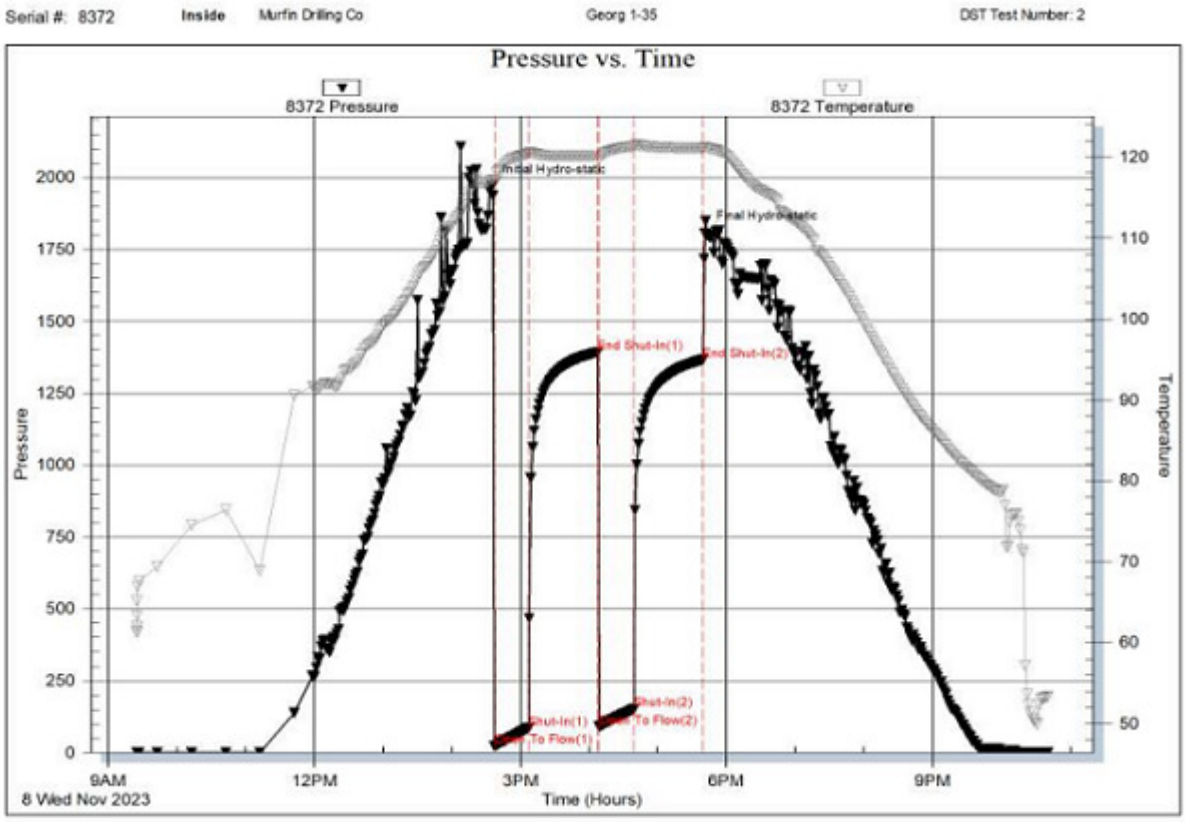
DRILLSTEM TESTS

No	Interval	Formation
1	3637 - 3696	VIOLA
2	3932 - 3964	ST. PETER + LW. SIMPSON SAND

DST #1: 3637 - 3696 (Viola - Straddle Test): Rec: 10' Oil Cut Mud (10% Oil), SIP: 1141-1073



DST #2 : 3932 - 3964: ST. PETER _LW. SIMPSON SANDS: REC: 265 FT. MUD CUT SALT WATER, SIP: 1393 - 1367#



ROCK TYPES

Cht
Dolsec
Lmst fw<7
Lmst fw7>
Ss
Shgy
Shcol

ACCESSORIES

MINERAL

- ⊥ Calcareous
- ■ Carbonaceous Flakes
- ▲ Chert, dark
- ∠ Dolomitic
- P Pyrite
- ∴ Sandy
- •• Silty
- △ Chert White
- ▬ Argillaceous/Shale

OTHER SYMBOLS

OIL SHOWS

- ● Even Stn
- ◉ Spotted Stn 50 - 75 %
- ◑ Spotted Stn 25 - 50 %
- ◔ Spotted Stn 1 - 25 %
- ○ Questionable Stn
- D Dead Oil Stn
- ■ Fluorescence

INTERVALS

- ■ Core
- ⁘ DST

Curve Track #01
ROP (min/ft)
Total Gas
1:240 Imperial
0 ROP (min/ft) 10
0 Total Gas 100
Depth | Intervals
Cored Interval
DST Interval
Interpreted Lithology
Oil Shows
Geological Descriptions
Comment

2550

10: Tr. SST, crm, silt - fn gr, pr. sort, tite; Gry lmy Siltstn; & dk. gry Shale; NS

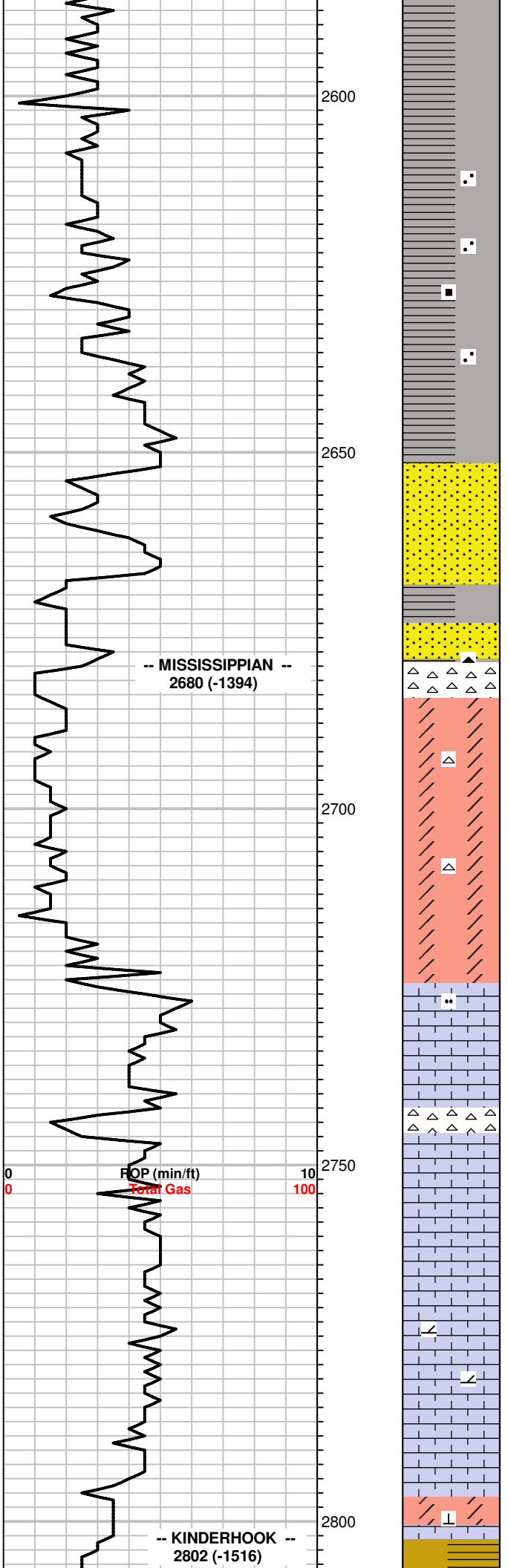
20 & 30: Gry, lmy Siltstn; Gry Shale; Tr. Sst as abv.

50 - 70: Mostly dk. gry Shale; Tr. Pyrite.

80 - 2610: Mostly md-dk. gry Shale.

7:00 AM DEPTHS:
10/31: MIRT
11/1: SPUD AT 9:30AM
11/2: 1150
11/3: 2645
11/4: 3060
11/5: 3419, lost circ @ 3384'
11/6: 3707, DST #1
11/7: 3707
11/8: 3964, DST #2
11/9: 4030' RTD

Deviation Surveys:
0.75 degrees @ 321'
0.75 degrees @ 1383'
0.75 degrees @ 2510'
0.75 degrees @ 3707'
0.75 degrees @ 4030'



20 - 30: Shale, gry.

40: Sst, clr, vf-fn gr, sbang, some dk. Sh. inclusions, tr. dk, carb. spks on surface, mostly v. tite - tr. friable; NS

50: Sst, vf-fn gr, clr - frost, sbang, tite to tr. sli. friab, pr. por, tr. carb. spks on surf; NS

60: Shale, gry & Sst as above.

70 & 80: Shale, gry & lmy Siltstn, some friable; NS

90: As abv & tr. brn. Chert.

100: Sst, vf gr, clr, sbang, well sort, tite - tr. friable W/ fr. por. & Cht, crm, shp, some v. foss. to tr. Cht. weath, soft ; NS

10-20: Dol, tan, fxln, sucrosic, w/ pr-fr. xln por. & tr. pr. vug. por. to Dol, vfxln, hd w/ pr. vis. por; Chert, crm-gry, shp; NS

30: Trash : working on pump.

WORKING ON PUMP.

40: Ls, tan, fn gran, silty w/ pr. intergr. por. to tr. soft, sli. chlky Lm; NS

50: Ls, dk. gry, frag/ detrital, foss, pr. vis. por; Tr. blk. Shale; NS

MUDCO: DRILLING FLUID CHECK
AT 2675:

Wt:	**9.1 lb/gal**
Vis:	**60 sec/qt**
Yield Pt:	**24 lb/100 sq. ft.**
Filtrate:	**7.6 ml/30"**
Chlor:	**1100 ppm**
LCM:	**12 lbs/bbl**

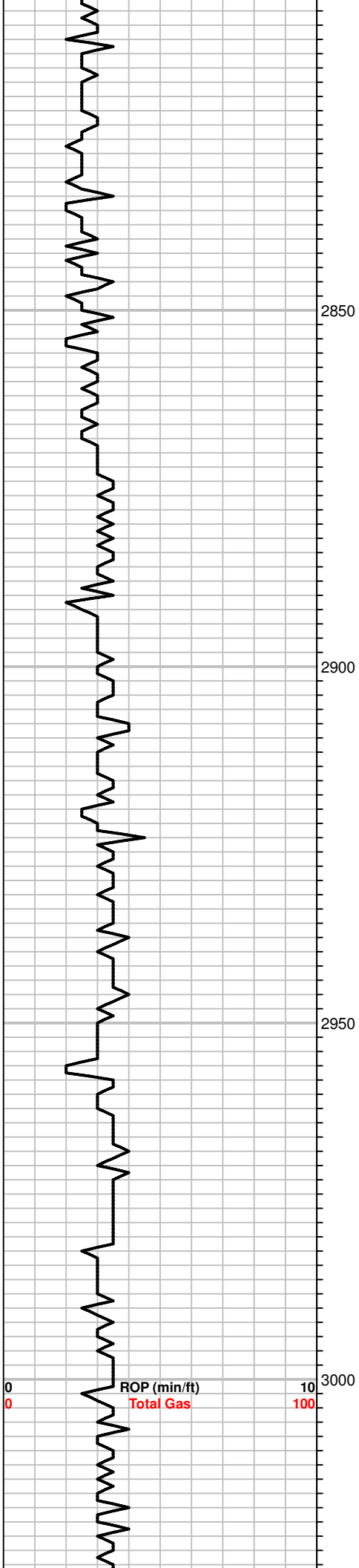
60: Chert, gry, shp & Ls, brn, fn. gran, pr-tr. fr. intergr. por; NS

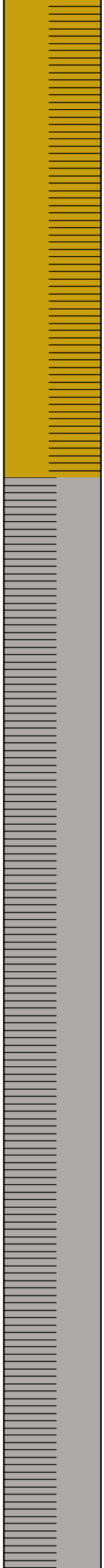
70 - 80: Ls, brn, frag/ foss w/ pr. vis. por & Ls, brn, fn gran, w/ pr-fr. intergr. por; NS

90: Ls, brn, fn gran, pr. por. to some crm, sli. chlky; NS

100: Ls, fn. gran. as abv. & some Dol. brn, fxln, suc, pr. xln por; NS

10: Dol. Ls, gry-brn, fxln, sucrosic, pr. vis. por: NS





20: As abv & tr. gry, grn & maroon Shale.

30: Shale, lt. green.

40: Shale, gry, grn & Ls, as abv; NS

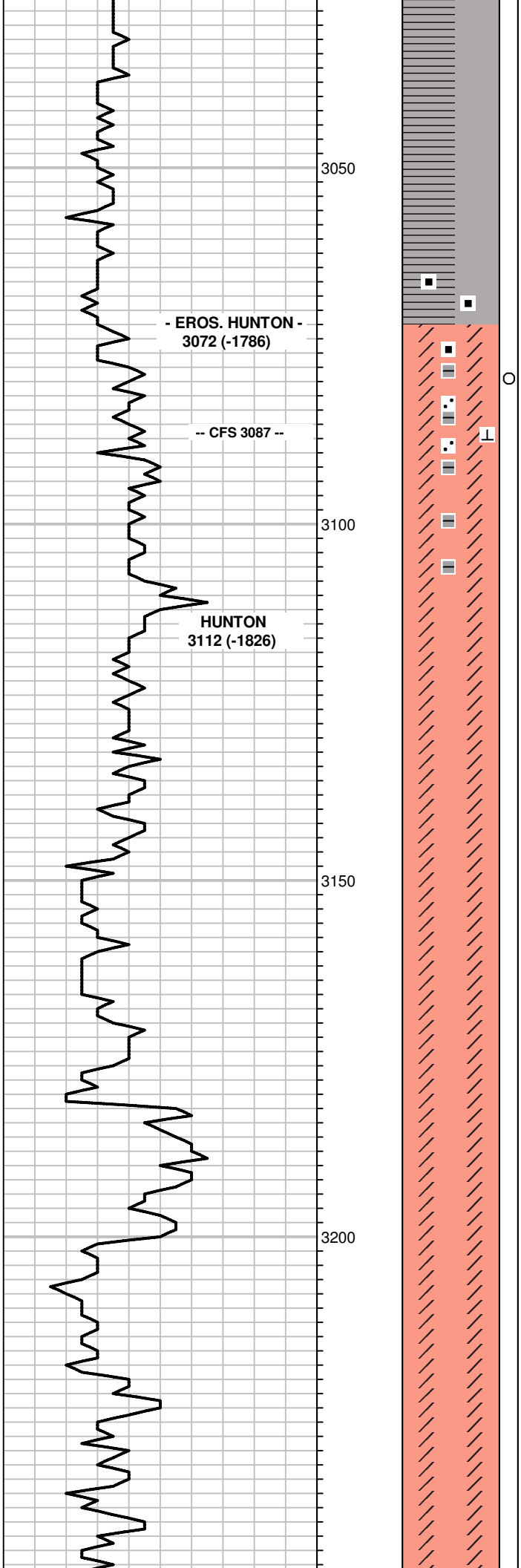
50 - 90: Shale, lt. green.

100 - 10: Shale, lt. gry.

20 - 50: Shale, lt. gry.

60 - 100: Lt. gry Shale

10 - 60: Lt. grey Shale.



70 - 80: Shale gry w/ brn bans & brn spks; no other show.

84: Brn, "dirty" Dol, fxln, pr-fr. xln. por, scat. spks dk. br. carb. mat; NS

87: Circ: Tr. Dol, tan, f-md xln, few Sh. inclusions, pr. vis. por & Sst, dol, clr, vf-fn, sbrd, tite; Sli odor, no other show.

100: As abv + sm. amt. Ls, brn, fxln, tr. v. foss/ frag; NS

10: Sample trash.

20: Dol, tan-brn, vfxln, hd, no vis. por; NS

30: Dol, gry-brn, vf-fxln, hd, pr. por; NS

40: Dol, tan-brn, vf-fxln, hd to tr. fr. xln. por; NS

50 & 60: Dol, gry-brn, vf-fxln, hd, pr. vis. por; NS

70: Dol, tan, cse xln, pr. vis. por; NS

80: Dol, crm, vfxln, hd, no vis. por & Dol, gry, fxln, lust, pr. xln. por; NS

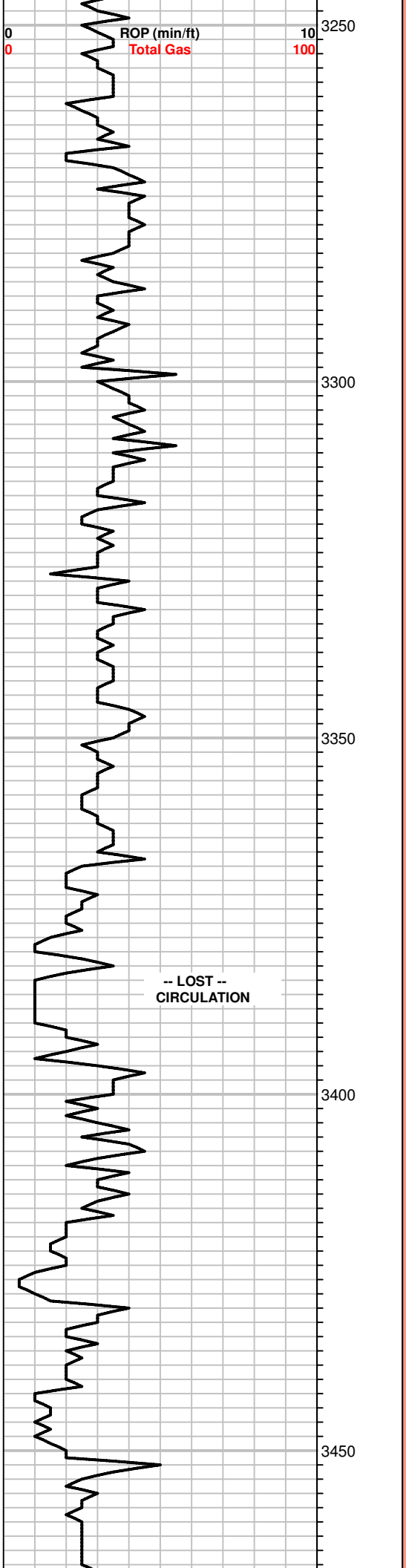
90 - 20: Dol, gry-tan, vf-fxln, hd, pr. vis. por; tr. gry qtz; NS

30 -40: Dol, brn, vfxln, hd, no vis. por & sm. amt gry qtz; NS

50 - 60: Dol, brn, vf-fxln, hd, tr. pr. vug -solution por; tr. gry qtz; NS

MUDCO: DRILLING FLUID CHECK AT 3092:

Wt:	**9.05 lb/gal**
Vis:	**62 sec/qt**
Yield Pt:	**25 lb/100 sq. ft.**
Filtrate:	**8.0 ml/30"**
Chlor:	**1100 ppm**
LCM:	**12 lbs/bbl**



70 - 80: Dol, tan, vf-fxln, hd, no vis. por; NS

90 - 10: Dol, gry - brn, vf-fxln, hd, r. tr. pr-gd vug. por; NS

20 - 30: Dol, gry-tan, vf-fxln, hd, only tr. scat. pr. vug. por; tr. soft, crm, chlky Lm; NS

40: Dol, crm, fxln, w/ fr. xln por, ?able perm & Dol as abv; NS

50 - 60: Dol, tan-brn, vf-fxln, hd, only tr. w/ fr. xln por; NS

70 - 80: Dol, tan-brn, vf-fxln, hd, no vis. por; NS

90: Dol, gry-brn, vf-fxln, pr. vis. por, i pc w/ tr. spty blk carb. mat, no other show

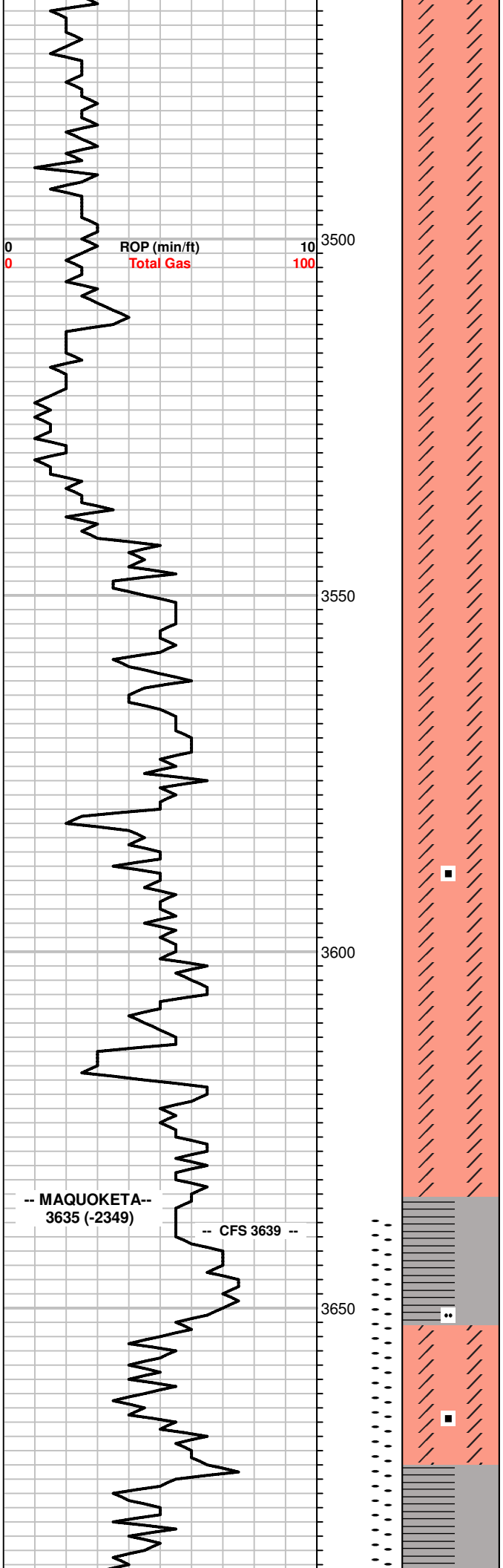
LOST CIRCULATION AT 3384. LOST 532 BBLS. RAN MUD WITH 25# LCM - GOT CIRC. BACK FAIRLY QUICKLY

100-10: Dol, gry, vf-fxln, scat. pr-gd. vug. to solution por, some pyrite fill in por; NS

20-30: Dol, gry, vf-fxln, pr. vis. por; few pcs porous Dol. as abv/ from abv; NS

40-70: Dol, gry, vf-fxln, pr-gd vug. & solution por; NS

80-100: Dol, gry, vf-fxln, mostly pr. to tr. gd. vug - solution por; NS



10-30: Dol, gry, vf-fxln, mostly pr. to tr. gd. vug & solution por; NS

40-50: Dol, gry-tan, vf-fxln, pr-fr. scat. vug - solution por; NS

60-90: Dol, gry-tan, vf-fxln, less scat., pr. vug. por; NS

100-20: Dol, brn, fxln, w/ pr. xln por, some w/ dk carb. spks thru-out; NS

30: Dol, gry, f-md xln, pr- tr. gd. xln por; NS

39 & 30" circ: Dol, gry-brn, fxln, mostly pr. vis. por; NS

50: Dol, gry, f-md xln, pr. xln. por, tr. w/ spks dk. carb. mat; NS

60: Some gry silty Shale.

70: Dol,, dull gryish-brn, fxln, pr. xln. por; NS

80: Dol, as abv & grn-gry, silty Shale w/ dk. carb. spks; NS

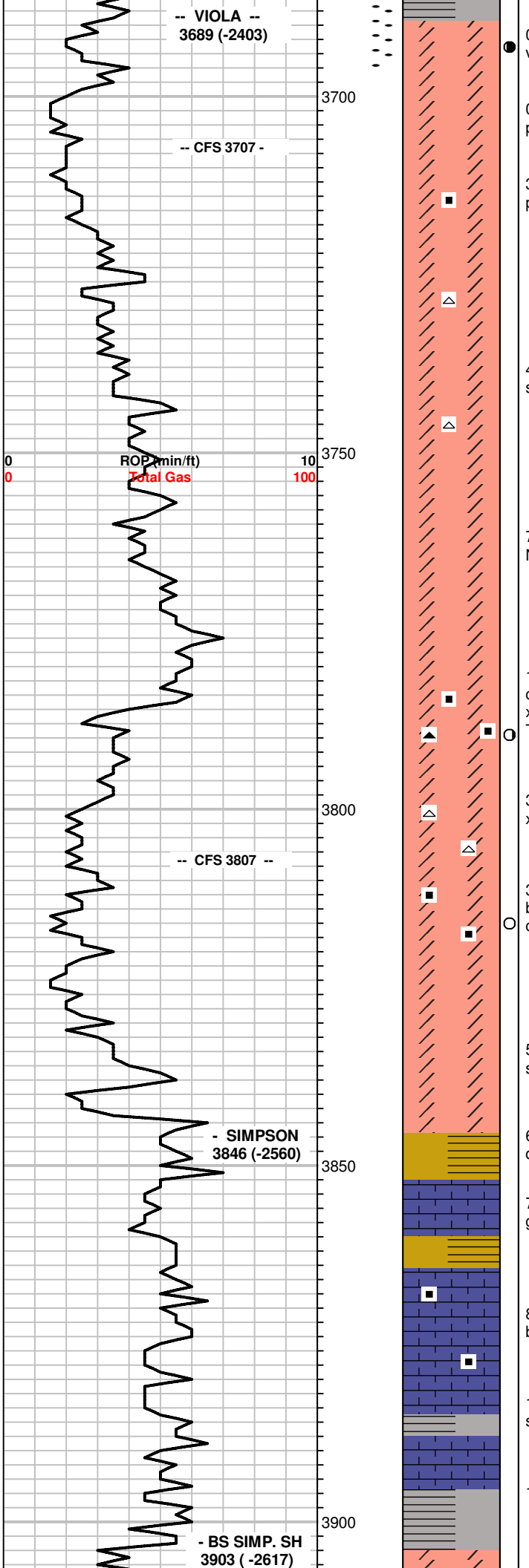
90: Dol, dull, gryish-brn, fxln, pr. xln. por & gry Shale; NS

100: Few pcs. Dol, brn w/ gry mottling, fn-cse xln, sli. pyritic, pr. xln. por; NS

MUDCO: DRILLING FLUID CHECK AT 3482:
Wt: 8.9 lb/gal
Vis: 48 sec/qt.
Yield Pt: 24 lb/100 sq. ft.
Filtrate: 8.4 ml/30"
Chlor: 2100 ppm
LCM: 18 lbs/bbl

RAN WIPER TRIP AT 3639 - 37 JOINTS

DST #1: 3637 - 3696 STRADDLE VIOLA
TIMES: 30-60-30-60
1st Flow: Blow built to .8" then died off.
2nd Flow: No blow
Rec: 10' oil cut mud (10% oil)
IFP: 39-43#, FFP: 45-46#
SIP: 1141-1073#
Btm hole temp: 114
See chart above.



07: 10" Circ: Few pcs Dol, cse xln, w/ fr. xln & tr. vug por, GSFO, spty-total brn sat. stn, fr. od.

07: 30" Circ: Dol, crm, fn-cse xln, some fr. vug. por; NS

30:Dol, crm-tan, some w/ gry mottling, cse xln, pr-fr. vug por, r. tr. dk. brn carb. spks; NS

40 - 60: Dol, brn, fn -cse xln, somw w/ pr. xln por; sm. amt. tan Chert; NS

70 - 90: Dol, brn, fn - cse xln, some pr. xln. por; NS

100: Dol, brn, cse xln, pr. xln por, most w/ dk brn carb. spks thru-out; few pcs re-xtalized clr Dol cse xln, w/ pr. vug por, tr hvy FO, spty dk. stn, sli. odor; Tr. dk. gry Chert.

30" Circ: Sm. amt. Chert, crm-gry & Dol, fn-cse xln, pr- tr. fr. xln por & tr. pr. vug por; NS

30 - 40: Dol, brn, cse xln, pr - tr. fr. xln por, few dk brn carb spks, cp. pcs w/ whole side covered w/ carb mat.; no other show except sli. odor.

50: Dol as abv; sm. amt. gry Dol, fxln w/ pr. por; some gry lmy Siltstn; NS

60: Green Shale; lmy gry Siltstn; Tr. Ls, brn, vfxln, dse; NS

70: Ls, brn, vfxln, dse; some gry lmy Siltstn; and green Shale; NS

80 - 90: Ls, brn, vfxln, dse, tr. sli. silty, few w/ dk. brn carb. mat. on chip faces.

100: Ls, as abv; and Dol, brn, md xln, pr. xln por shale, gry brn; NS

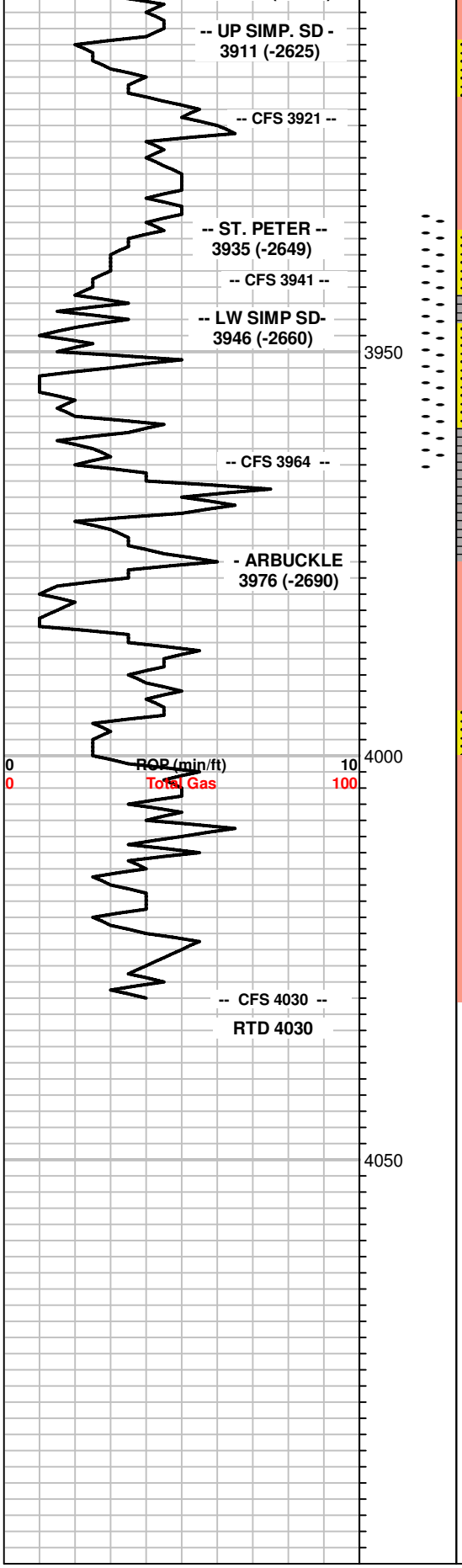
10: Shale, gry, grn, brn; Ls, brn, vfxln, pr. por; NS

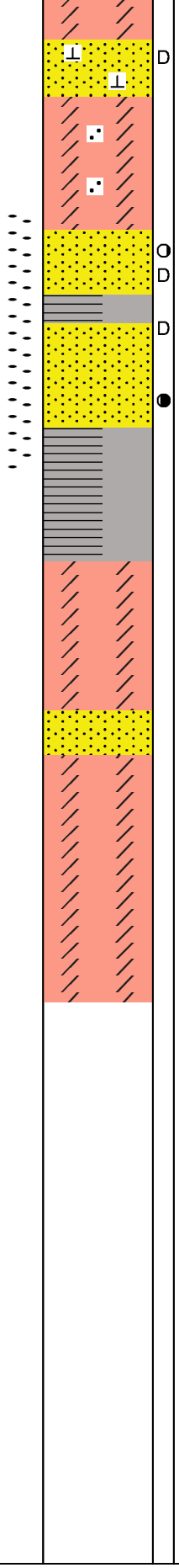
MUDCO: DRILLING FLUID CHECK AT 3707:

Wt:	**9.15 lb/gal**
Vis:	**60 sec/qt**
Yield Pt:	**26 lb/100 sq. ft.**
Filtrate:	**8.8 ml/30"**
Chlor:	**1700 ppm**
LCM:	**12 lbs/bbl**

MUDCO - DRILLING FLUID CHECK AT 3766:

Wt:	**9.1 lb/gal**
Vis:	**54 sec/qt.**
Yield Pt:	**22 lb/100 sq. ft**
Filtrate:	**8.0 ml/30"**
Chlor:	**1500 ppm**
LCM:	**12 lbs/bbl**





21: Circ: Sst, tan, vf-fng, sbrd, sli. frost, calc cem, tite to sm. amt. sli friab, pr-fr intergr. por, abd. dd oil, NFO, no fluor, sli. flush cut, sli. odor

40 samp: Dol, brn, f- cse xln, pr. xln por, tr. sli sdy to sm. amt. v. dol. Sst, vf-fng, clr, sbang-sbrd, fr. xln por; NS

35-41: Circ: Sst, vf - tr. md gr, clr, sbang-sbrd, non-calc. cem, much tite - sm. amt. friab, pr- some fr. intergr. por, abd. spty blk dd oil, only cp ppts FO, no fluor, sli. crush cut, sli odor

46-50: Sst, crm, vfg, mostly pr. por, sli. pyr, sli. glauc, few pcs w/ tot. dd oil stn & fr-gd. por.

52-58: Sst, vf-fng, clr-frost, sbang-sbrd, pr-gd. intergr. por, some tite, GSFO, dk, hvy & dk. brn spty sat. stn, no fluor, fr. flush cut.

58-64: Sst, crm, vfg, clr, v. glauc, sli pyr., pr-fr. por, tite to some friab & Shale, gry; NS

80 Samp: Tr. Dol, gry, f-cse xln pr. vis. por; NS

90: Dol, gry, f-cxln, pr. por; tr. crm Sst, vf-fg in calc. cem, pr-fr. por; NS

100: Dol, crm, cse xln, w/ gd xln por & Sst, crm, vf-fg in calc. cem, fr. por; NS

10: Sst, crm, vf-fg, clr, sbrd in calc. ce, fr. por & Dol, gry, f-cxln w/ pr. xln por; NS

20 Samp: Dol, gry, tan, tr. pink, mostly fxln w/ pr. xln por; NS

30 & circ samps: Dol, gry-brn, f-cxln, pr. xln por; NS

CARRYING A SLIGHT ODOR IN SYSTEM. POSSIBLY SOME DIESEL IN WATER.

DST #2: 3932 - 3964
St. Peter & Lw. Simpson Sands
Times: 30-60-30-60
1st Flow: Blow built to 5.33".
2nd Flow: Blow built to 4.86"
No return blow on shut ins.
Rec: 265' Total Fluid:
178' Mud Cut Wtr (80% wtr)
87' Mud Cut Wtr (90% wtr)
No show of Oil.
Wtr Chlorides: 38,000 ppm
System Chlorides: 1,500 ppm
Wtr Rw: .23 @ 52 degrees F
IFP: 24-86#, FFP: 91-153#
SIP: 1393 - 1367#
Btm Hole Temp: 121 F
See Chart Above

MUDCO - DRILLING FLUID CHECK AT 3964:

Wt:	**9.2 lb/gal**
Vis:	**84 sec/qt**
Yield Pt:	**31 lb/100 sq ft.**
Filtrate:	**7.6 ml/30"**
Chlor:	**1,500 ppm**
LCM:	**8 lbs/bbl**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

Georg #1-35

35-3S-14E Nemaha,KS

Start Date: 2023.11.06 @ 13:30:00
End Date: 2023.11.07 @ 02:11:47
Job Ticket #: 71087 DST #: 1

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

Printed: 2023.11.10 @ 10:14:00

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71087 **DST#: 1**

Test Start: 2023.11.06 @ 13:30:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:22:02
Time Test Ended: 02:11:47

Test Type: Conventional Straddle (Initial)
Tester: Leal Cason
Unit No: 72

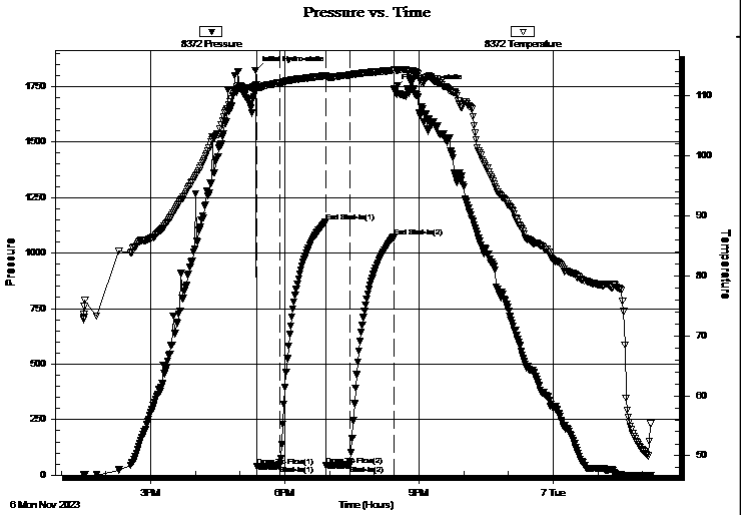
Interval: 3637.00 ft (KB) To 3696.00 ft (KB) (TVD)
Total Depth: 3707.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1286.00 ft (KB)
1274.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8372 **Inside**
Press@RunDepth: 45.96 psig @ 3683.00 ft (KB)
Start Date: 2023.11.06 End Date: 2023.11.07
Start Time: 13:30:01 End Time: 02:11:47

Capacity: psig
Last Calib.: 2023.11.07
Time On Btm: 2023.11.06 @ 17:20:17
Time Off Btm: 2023.11.06 @ 20:27:02

TEST COMMENT: IF: Weak Dying Surface Blow
ISI: No Blow Back
FF: No Blow
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.81	111.57	Initial Hydro-static
2	38.98	111.51	Open To Flow (1)
33	43.44	112.09	Shut-In(1)
95	1141.50	113.24	End Shut-In(1)
96	44.61	113.05	Open To Flow (2)
127	45.96	113.38	Shut-In(2)
186	1073.33	114.19	End Shut-In(2)
187	1738.23	114.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 10%O 90%M	0.05

Gas Rates

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

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71087 **DST#: 1**

Test Start: 2023.11.06 @ 13:30:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:22:02
Time Test Ended: 02:11:47

Test Type: Conventional Straddle (Initial)
Tester: Leal Cason
Unit No: 72

Interval: 3637.00 ft (KB) To 3696.00 ft (KB) (TVD)
Total Depth: 3707.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

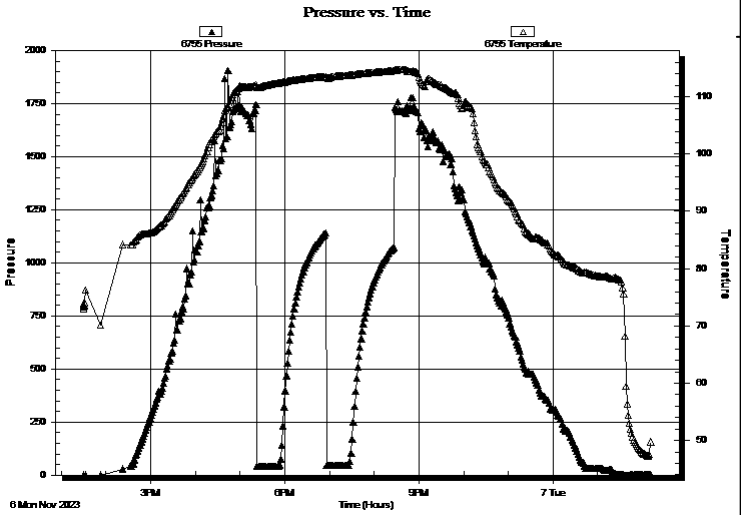
Reference Elevations: 1286.00 ft (KB)
1274.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6755 **Outside**

Press@RunDepth: psig @ 3683.00 ft (KB)
Start Date: 2023.11.06 End Date: 2023.11.07
Start Time: 13:30:01 End Time: 02:11:47

Capacity: psig
Last Calib.: 2023.11.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Dying Surface Blow
ISI: No Blow Back
FF: No Blow
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 10%O 90%M	0.05

Gas Rates

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

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71087 **DST#: 1**

Test Start: 2023.11.06 @ 13:30:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:22:02
Time Test Ended: 02:11:47

Test Type: Conventional Straddle (Initial)
Tester: Leal Cason
Unit No: 72

Interval: 3637.00 ft (KB) To 3696.00 ft (KB) (TVD)
Total Depth: 3707.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

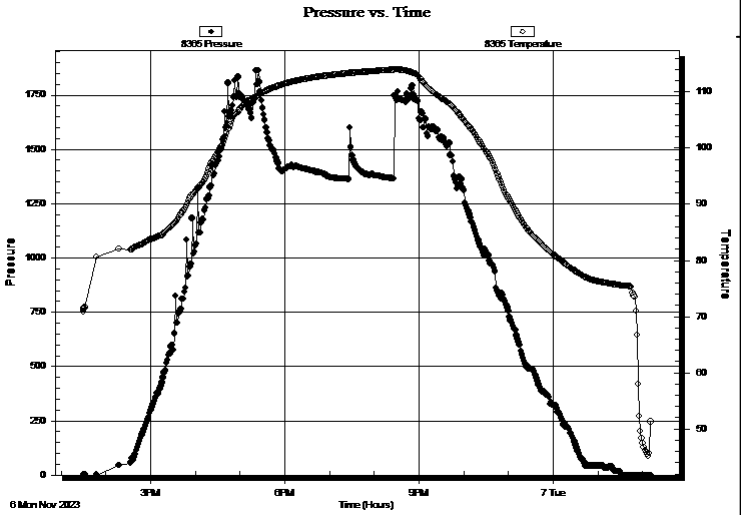
Reference Elevations: 1286.00 ft (KB)
1274.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8365 **Below (Straddle)**

Press@RunDepth: psig @ 3704.00 ft (KB)
Start Date: 2023.11.06 End Date: 2023.11.07
Start Time: 13:30:01 End Time: 02:11:47

Capacity: psig
Last Calib.: 2023.11.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Dying Surface Blow
ISI: No Blow Back
FF: No Blow
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 10%O 90%M	0.05

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71087 **DST#: 1**

Test Start: 2023.11.06 @ 13:30:00

Tool Information

Drill Pipe:	Length:	2915.00 ft	Diameter:	3.80 inches	Volume:	40.89 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	
Drill Collar:	Length:	723.00 ft	Diameter:	2.25 inches	Volume:	3.56 bbl	
					Total Volume:	44.45 bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	3637.00 ft
Depth to Bottom Packer:	3696.00 ft
Interval betw een Packers:	59.00 ft
Tool Length:	99.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		135000.0 lb
Tool Chased		ft
String Weight:	Initial	100000.0 lb
	Final	100000.0 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3613.00		
Hydraulic tool	5.00			3618.00		
Jars	5.00			3623.00		
EM Tool	3.00			3626.00		
Safety Joint	2.00			3628.00		
Packer	5.00			3633.00	29.00	Bottom Of Top Packer
Packer	4.00			3637.00		
Stubb	1.00			3638.00		
Perforations	7.00			3645.00		
change Over Sub	1.00			3646.00		
Drill Pipe	31.00			3677.00		
change Over Sub	1.00			3678.00		
Handling Sub	5.00			3683.00		
Recorder	0.00	8372	Inside	3683.00		
Recorder	0.00	6755	Outside	3683.00		
perforations	9.00			3692.00		
Blank Off Sub	1.00			3693.00		
Blank Spacing	3.00			3696.00	59.00	Tool Interval
Packer	3.00			3699.00		
perforations	5.00			3704.00		
Recorder	0.00	8365	Below	3704.00		
Bullnose	3.00			3707.00	11.00	Bottom Packers & Anchor
Total Tool Length:	**99.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71087 **DST#: 1**

Test Start: 2023.11.06 @ 13:30:00

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:	ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1700.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

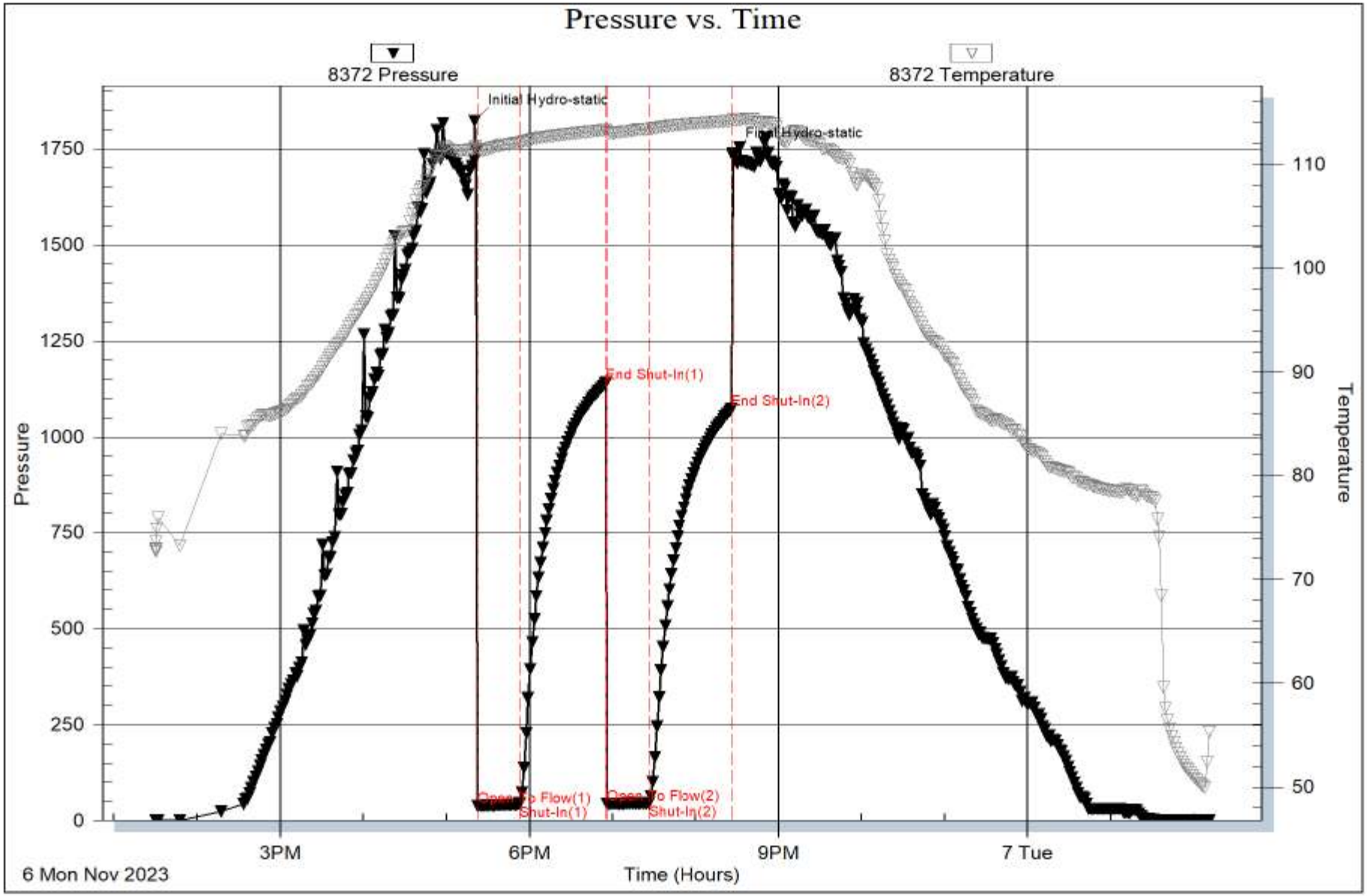
Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 10%O 90%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

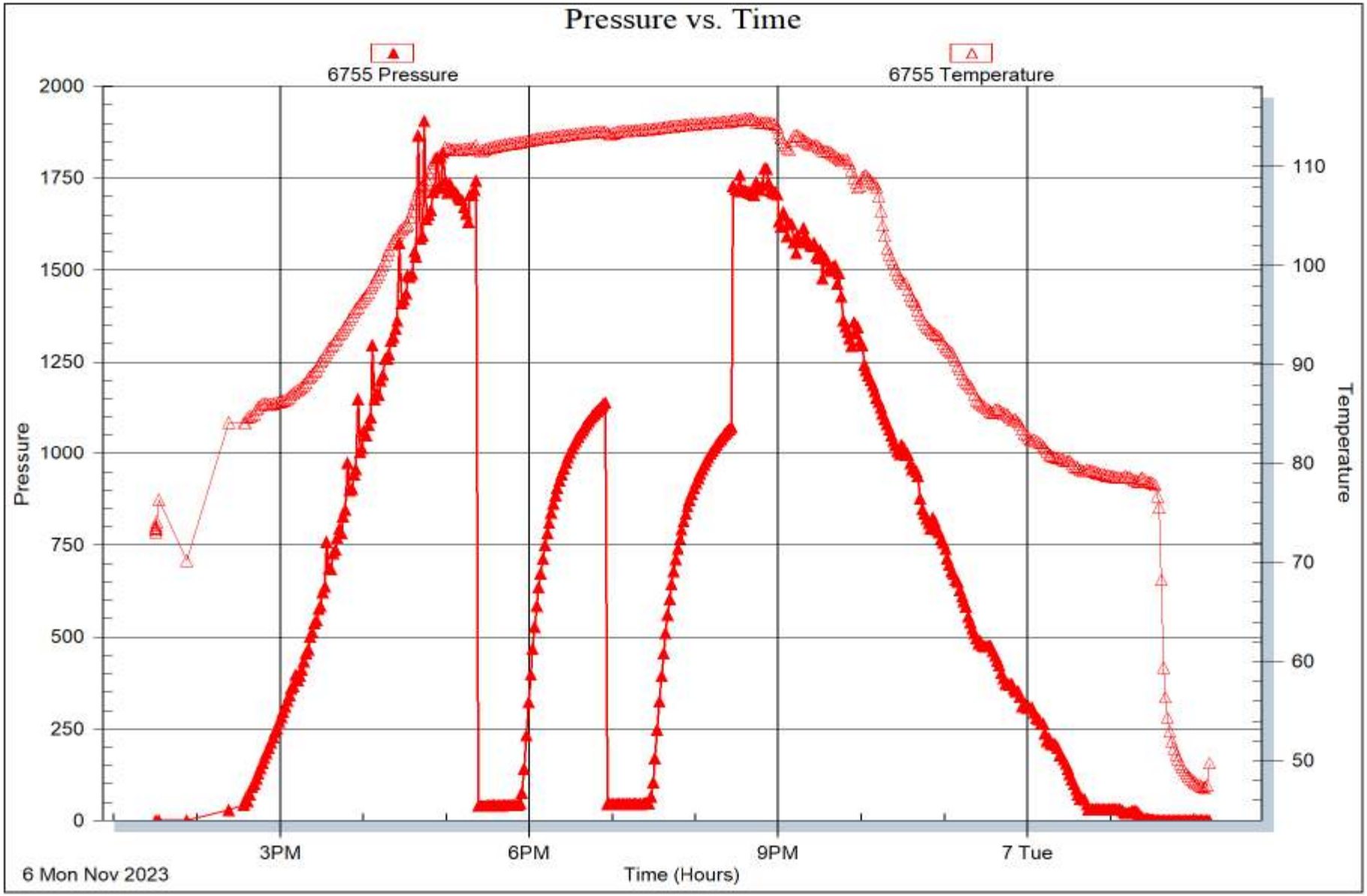
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8372 **Inside** Murfin Drilling Co Georg #1-35 DST Test Number: 1



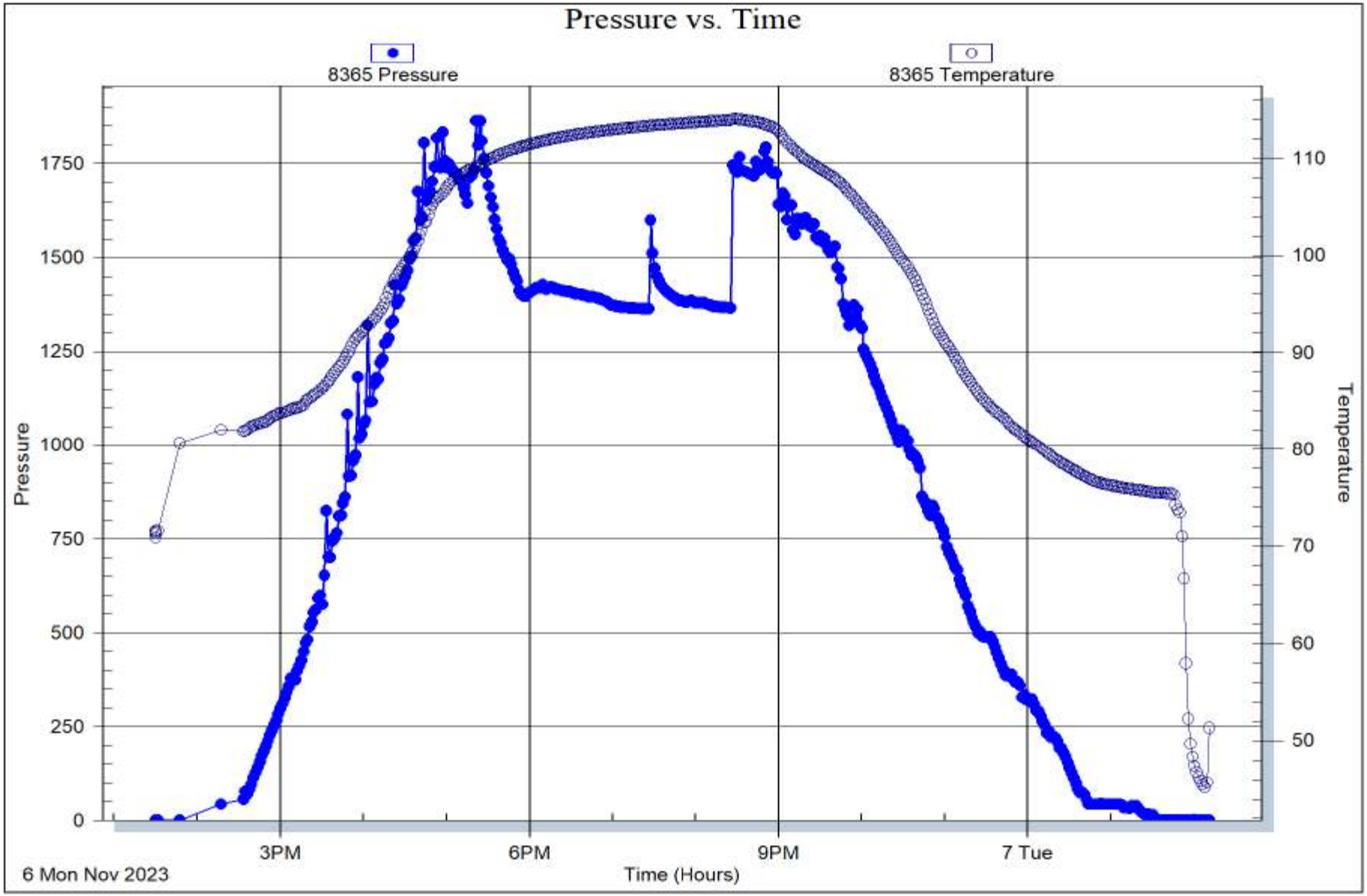
Trilobite Testing, Inc Ref. No: 71087 Printed: 2023.11.10 @ 10:14:01

Serial #: 6755 **Outside** Murfin Drilling Co Georg #1-35 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 71087 Printed: 2023.11.10 @ 10:14:01

Serial #: 8365 Below (Straddle) Drilling Co Georg #1-35 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 71087 Printed: 2023.11.10 @ 10:14:01

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

Georg #1-35

35-3S-14E Nemaha,KS

Start Date: 2023.11.08 @ 09:25:00

End Date: 2023.11.08 @ 22:40:47

Job Ticket #: 71088 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.11.10 @ 10:13:27

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71088 **DST#: 2**

Test Start: 2023.11.08 @ 09:25:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:37:02
Time Test Ended: 22:40:47

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 72

Interval: 3932.00 ft (KB) To 3964.00 ft (KB) (TVD)
Total Depth: 3964.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

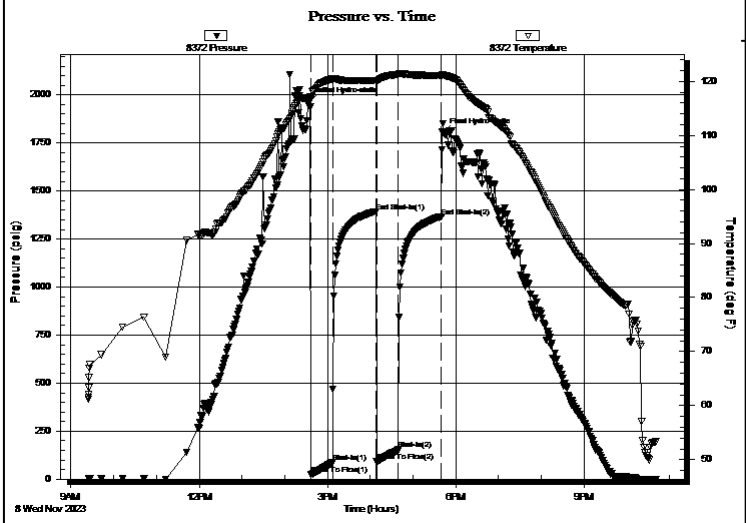
Reference Elevations: 1286.00 ft (KB)
1274.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8372 **Inside**

Press@RunDepth: 153.54 psig @ 3938.00 ft (KB)
Start Date: 2023.11.08 End Date: 2023.11.08
Start Time: 09:25:01 End Time: 22:40:47

Capacity: psig
Last Calib.: 2023.11.08
Time On Btm: 2023.11.08 @ 14:34:32
Time Off Btm: 2023.11.08 @ 17:41:17

TEST COMMENT: IF: Fair Blow , Built to 5.33"
ISI: No Blow Back
FF: Fair Blow , Built to 4.86"
FSI:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.35	117.07	Initial Hydro-static
3	24.03	116.67	Open To Flow (1)
33	85.91	120.42	Shut-In(1)
94	1392.96	120.10	End Shut-In(1)
95	90.75	119.93	Open To Flow (2)
125	153.54	121.33	Shut-In(2)
186	1367.16	121.07	End Shut-In(2)
187	1805.93	121.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
87.00	MCW 10%M 90%W	0.43
178.00	MCW 10%M 90%W	0.88

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71088 **DST#: 2**

Test Start: 2023.11.08 @ 09:25:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:37:02
Time Test Ended: 22:40:47

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 72

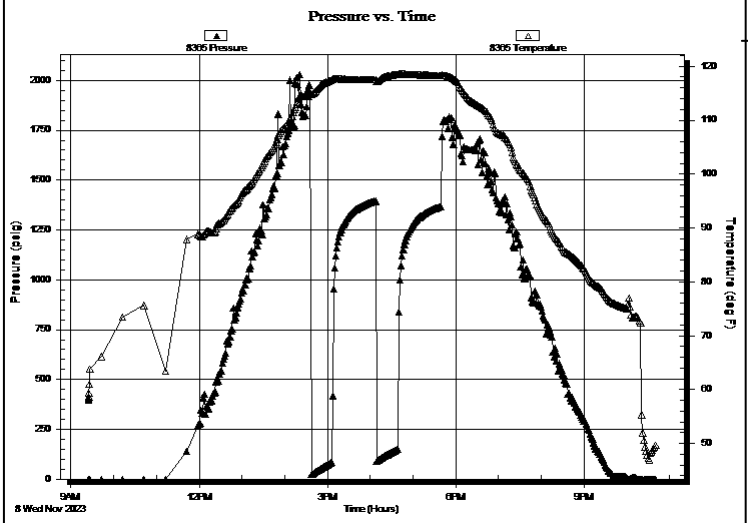
Interval: 3932.00 ft (KB) To 3964.00 ft (KB) (TVD)
Total Depth: 3964.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1286.00 ft (KB)
1274.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8365 **Outside**
Press@RunDepth: psig @ 3938.00 ft (KB)
Start Date: 2023.11.08 End Date: 2023.11.08
Start Time: 09:25:01 End Time: 22:40:47

Capacity: psig
Last Calib.: 2023.11.08
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 5.33"
ISI: No Blow Back
FF: Fair Blow , Built to 4.86"
FSI:



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
87.00	MCW 10%M 90%W	0.43
178.00	MCW 10%M 90%W	0.88

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71088 **DST#: 2**

Test Start: 2023.11.08 @ 09:25:00

Tool Information

Drill Pipe:	Length:	3198.00 ft	Diameter:	3.80	inches	Volume:	44.86	bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:		inches	Volume:	0.00	bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	723.00 ft	Diameter:	2.25	inches	Volume:	3.56	bbl	Weight to Pull Loose:	125000.0 lb
						Total Volume:	48.42	bbl	Tool Chased	ft
Drill Pipe Above KB:		18.00 ft							String Weight: Initial	105000.0 lb
Depth to Top Packer:		3932.00 ft							Final	105000.0 lb
Depth to Bottom Packer:		ft								
Interval betw een Packers:		32.00 ft								
Tool Length:		61.00 ft								
Number of Packers:		2	Diameter:	6.75	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3908.00		
Hydraulic tool	5.00			3913.00		
Jars	5.00			3918.00		
EM Tool	3.00			3921.00		
Safety Joint	2.00			3923.00		
Packer	5.00			3928.00	29.00	Bottom Of Top Packer
Packer	4.00			3932.00		
Stubb	1.00			3933.00		
Handling Sub	5.00			3938.00		
Recorder	0.00	8372	Inside	3938.00		
Recorder	0.00	8365	Outside	3938.00		
Perforations	23.00			3961.00		
Bullnose	3.00			3964.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**61.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

250 N Water Ste 300
Wichita, KS 67202

ATTN: Larry Friend

35-3S-14E Nemaha,KS

Georg #1-35

Job Ticket: 71088 **DST#: 2**

Test Start: 2023.11.08 @ 09:25:00

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:	ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

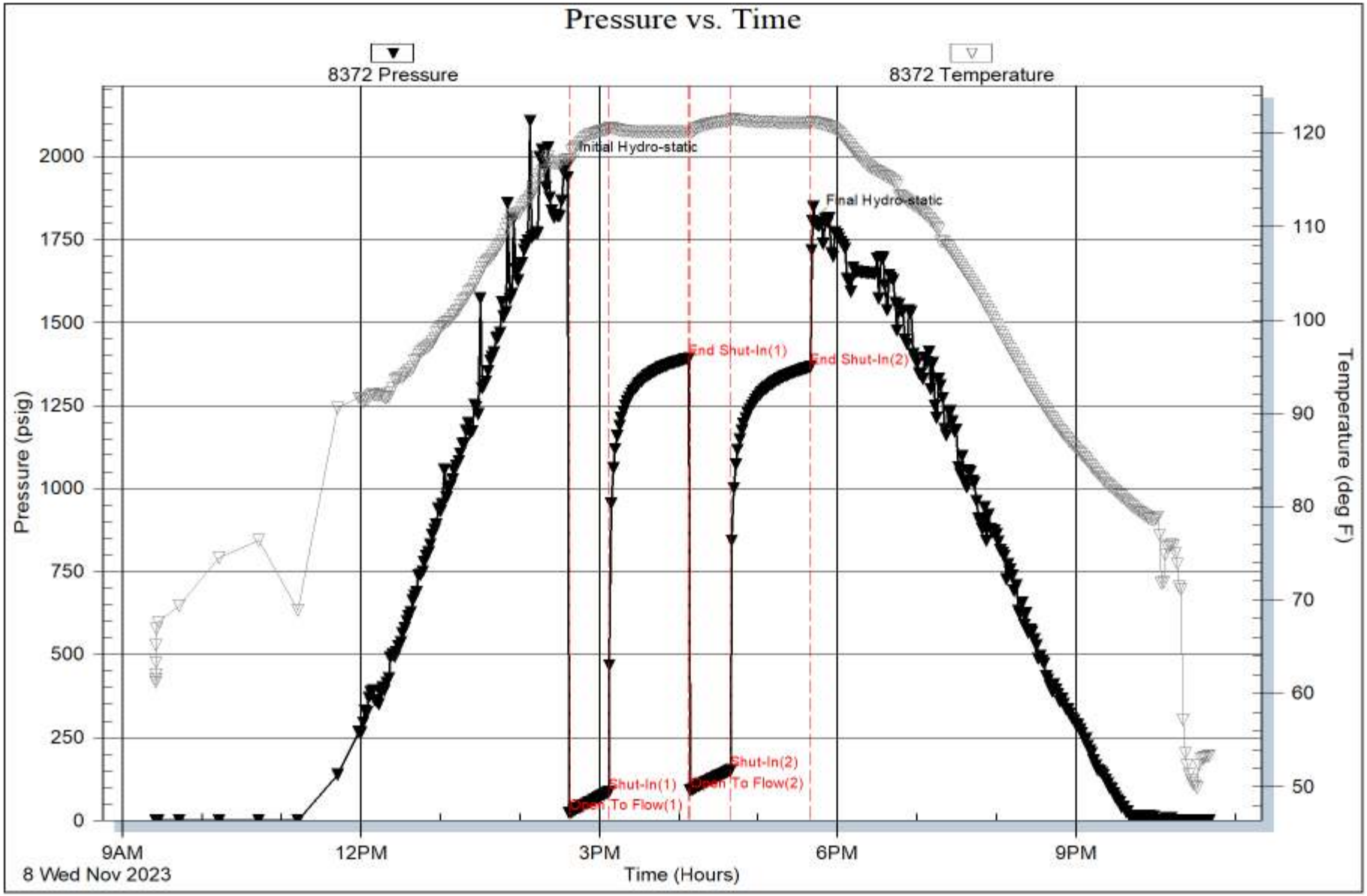
Recovery Table

Length ft	Description	Volume bbl
87.00	MCW 10%M 90%W	0.428
178.00	MCW 10%M 90%W	0.875

Total Length: 265.00 ft Total Volume: 1.303 bbl

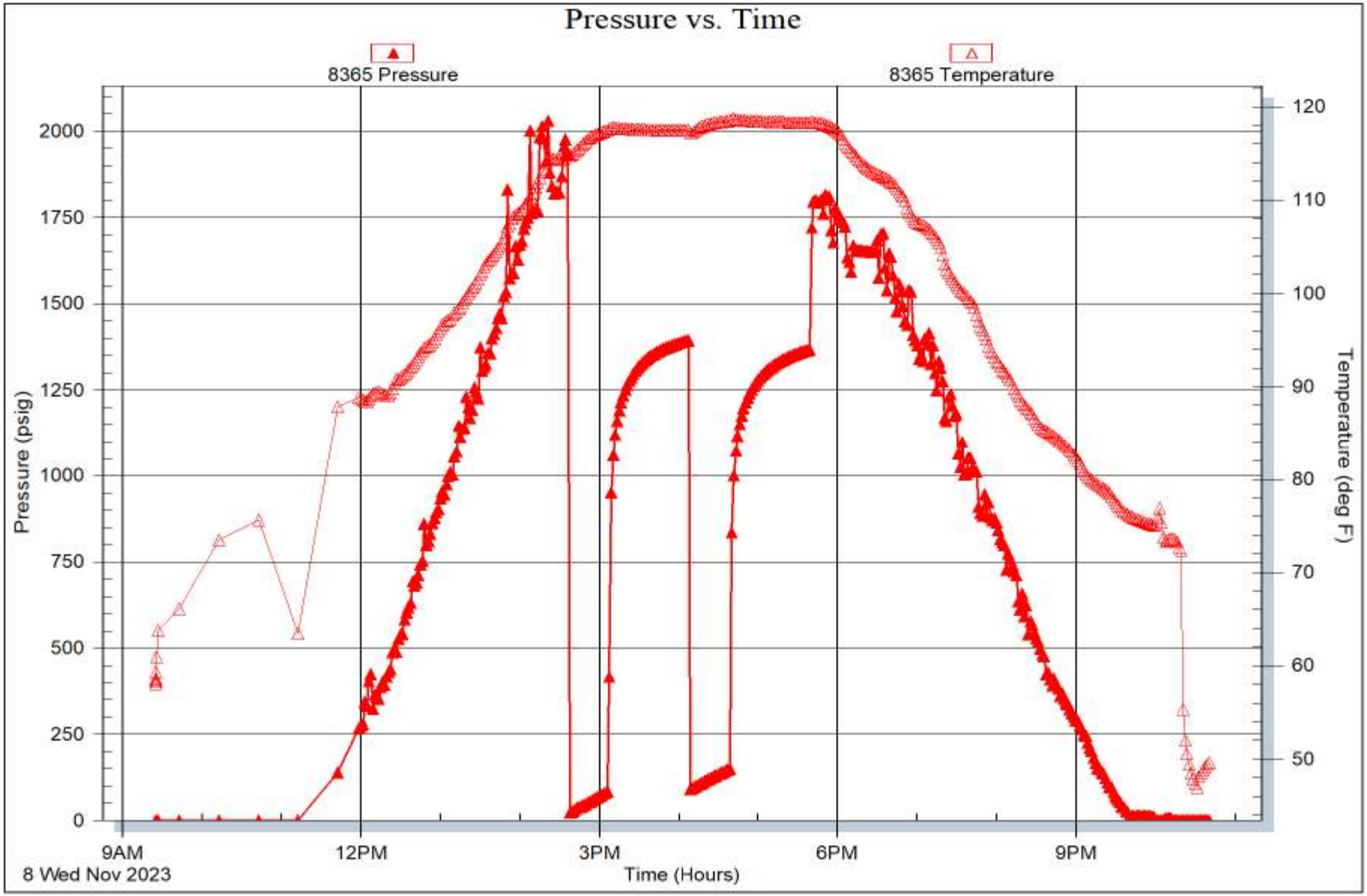
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8372 **Inside** Murfin Drilling Co Georg #1-35 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 71088 Printed: 2023.11.10 @ 10:13:28

Serial #: 8365 **Outside** Murfin Drilling Co Georg #1-35 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 71088 Printed: 2023.11.10 @ 10:13:28

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71087

Well Name & No. Georg 1-35 Test No. 1 Date 11/06/23

Company Murfin Drilling Co Elevation 1286 KB 1274 GL

Address 250 N. water Ste 300 Wichita, KS 67202

Co. Rep / Geo Larry Friend Rig Murfin 116

Location: Sec. 35 Twp 35 Rge. 14E Co. Nemaha State KS

Interval Tested 3637 - 3696 Zone Tested Viola

Anchor Length 59 Drill Pipe Run _____ Mud Wt. 9.15

Top Packer Depth 3632 Drill Collars Run 723 Vis 60

Bottom Packer Depth 3696 Wt. Pipe Run 0 WL 8.8

Total Depth 3707 Chlorides 1700 ppm System LCM 4

Blow Description IF: Weak Dying Surface Blow

ISF: NO Blow Back

FF: NO Blow

FSI: NO Blow Back

Rec 10	Feet of OCM	%gas	10 %oil	%water	90 %mud	
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	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 10 BHT 114 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

Initial Hydrostatic 1823	☑ Test 2800	☐ Ruined Shale Packer	
Initial Flow 39 to 43	☑ Jars 300	☐ Ruined Packer	
Initial Shut-In 1141	☐ Circ Sub	☑ Hotel	
Final Flow 45 to 46	☐ Hourly Standby	☐ EM Tool Successful	
Final Shut-In 1073	☑ Mileage 560 238mi 416.50 26mi 45.5	☑ Accessibility 150	
Final Hydrostatic 1738	☐ Sampler	☐ Gas Sample	
T- On Location 13:30	☑ Straddle 800	☐ Oversized Hole	
Initial Flow 30 T-Started 13:30	☐ Shale Packer	☐ Sub Total 150	
Initial Shut-In 60 T-Open 17:22	☐ Extra Packer	☐ Total 4512	
Final Flow 30 T-Pulled 20:26	☐ Extra Recorder	☐ Tool Loaded @	
Final Shut-In 60 T-Out 02:11	☐ Day Standby	☐ MP/DST Disc't	

Comments

Approved By Our Representative

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.

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71088

Well Name & No. Georg 1-35 Test No. 2 Date 11/08/23

Company Murfin Drilling Co Elevation 1286 KB 1274 GL

Address 250 N Water Ste 300 Wichita, KS 67202

Co. Rep / Geo Larry Friend Rig Murfin 116

Location: Sec. 35 Twp 35 Rge. 14E Co. Nemaha State KS

Interval Tested 3932 - 3964 Zone Tested Simpson

Anchor Length 32 Drill Pipe Run 3198 Mud Wt. 9.1

Top Packer Depth 3927 Drill Collars Run 723 Vis 54

Bottom Packer Depth 3932 Wt. Pipe Run 0 WL 8.0

Total Depth 3964 Chlorides 1500 ppm System LCM 8

Blow Description IF: Fair Blow, Built to 5.33"

ISI: No Blow Back

FF: Fair Blow, Built to 4.86"

FSI: No Blow Back

Rec 178	Feet of MCW	%gas	%oil	80 %water	20 %mud	
Rec 87	Feet of MCW	%gas	%oil	90 %water	10 %mud	
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	Feet of	%gas	%oil	%water	%mud	

Rec Total 265 (0.3 661) BHT 121 Gravity NC API RW .23 @ 52 °F Chlorides 38000 ppm

Initial Hydrostatic 1966	☑ Test 2800	☐ Ruined Shale Packer	
Initial Flow 24 to 86	☑ Jars 300	☐ Ruined Packer	
Initial Shut-In 1393	☐ Circ Sub	☑ Hotel	
Final Flow 91 to 153	☐ Hourly Standby	☐ EM Tool Successful	
Final Shut-In 1367	☑ Mileage (560) 416.50 + 45.50	☑ Accessibility 150	
Final Hydrostatic 1806	☐ Sampler	☐ Gas Sample	
T- On Location 08:30	☐ Straddle	☐ Oversized Hole	
Initial Flow 30 T-Started 09:25	☐ Shale Packer	☐ Sub Total 150	
Initial Shut-In 60 T-Open 14:37	☐ Extra Packer	☐ Total 3712	
Final Flow 30 T-Pulled 17:39	☐ Extra Recorder	☐ Tool Loaded @	
Final Shut-In 60 T-Out 22:40	☐ Day Standby	☐ MP/DST Disc't	

Comments

Approved By Larry Friend Our Representative

	MDCI Georg #1-35 2310'FNL 1600'FEL Sec. 35-T3S-R14E KB: 1286					
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref
MISSISSIPPIAN	2684	-1398	-24	2676	-1390	-16
KINDERHOOK	2802	-1516	-1	2807	-1521	-6
HUNTON	3077	-1791	-19	3120	-1834	-62
MQKT	3641	-2355	-15	3638	-2352	-12
VIOLA	3689	-2403	-7	3694	-2408	-12
SIMPSON	3851	-2565	-14	3850	-2564	-13
B SIMP SH	3906	-2620	-8	3906	-2620	-8
U SIMP SS	3911	-2625	-7	3913	-2627	-9
ST PETER SD	3935	-2649	-6	3939	-2653	-10
L SIMP SD	3952	-2666	-3	3952	-2666	-3
ARBUCKLE	3970	-2684	-21	3980	-2694	-1
RTD	4030					
LTD				4034		

CEMENT TREATMENT REPORT

Customer:	Murfin Drilling Company	Well:	George #1-35	Ticket:	EP11200
City, State:		County:	Nemaha, KS	Date:	11/1/2023
Field Rep:	Paco	S-T-R:		Service:	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	317 ft
Casing Size:	8 5/8 in
Casing Depth:	295 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	bbls
Total Sacks:	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
1:00 PM			-	-	On location, held safety meeting
				-	
				-	Rig ran 8 5/8" casing
	4.0			-	Established circulation with 15 BBL of frosh water
	4.0	250.0		-	Mixed and pumped 200 sks of H-325 cement
	4.0	250.0		-	Displaced cement with 16 BBL of fresh water, Good cement to surface
				-	Shut in valve on casing
	4.0			-	Washed up equipment
				-	
4:00 PM				-	Left Location
				-	

CREW		UNIT
Cementer:	Garrett S.	97
Pump Operator:	Nick B	209
Bulk #1:	Drew B	247
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.0 bpm	250 psi	- bbls

ftv: 15-2021/01/25
mplv: 434-2023/10/18

CEMENT TREATMENT REPORT

Customer:	Murfin Drilling	Well:	George, #1-35	Ticket:	EP11352
City, State:		County:	Nemaha, KS	Date:	11/10/2023
Field Rep:	Paco	S-T-R:		Service:	Pipe Job

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4030 ft
Casing Size:	5 1/2 in
Casing Depth:	4030 ft
Tubing / Liner:	In
Depth:	ft
Tool / Packer:	Baffle
Tool Depth:	4008 ft
Displacement:	95.4 bbls

Calculated Slurry - Lead	
Blend:	H854 Thixo 1#PS
Weight:	13.8 ppg
Water / Sx:	8.9 gal / sx
Yield:	1.80 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	45.0 bbls
Total Sacks:	140 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

			STAGE	TOTAL	
TIME	RATE	PSI	BBLs	BBLs	REMARKS
11:00 AM			-	-	On location with F/E , Held safety meeting
				-	
				-	Rig started running 5 1/2" casing, rig ran F/E
6:00 PM				-	Rig landed casing/ Dropped trip ball, rig circulated and scratched for 1 HR
7:00 PM	4.0	250.0		-	Hooked to the casing and established circulation with 10 BBL of fresh water
	4.0	250.0		-	Mixed and pumped 12 BBL of Mud flush followed by 10 BBL of fresh water
	4.0	300.0		-	Mixed and Pumped 140 sks of H854 Thixo cement with 1# Phenoseal, 45BBL of slurry Mixed with city water
7:40 PM	4.0	300.0		-	Flushed pump and line clean, swithced valves on plug container and dropped LD plug
	4.0	750.0		-	Pumped LD plug to the baffle plate with 95.4BBL of fresh water and 5 Gal of KCL in displacement water
8:00 PM	4.0	1,250.0		-	Landed the plug with 1250PSi, released pressure with no returns to the truck
	4.0			-	Washed up equipment
8:30 PM					Left location

CREW		UNIT
Cementer:	Garrett S.	97
Pump Operator:	Nick B	209
Bulk #1:	Drew B	247
Bulk #2:	Trevor G	124

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.0 bpm	517 psi	- bbls

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

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

March 14, 2024

Rob Kramer
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO-1
API 15-131-20256-00-00
GEORG 1-35
NE/4 Sec.35-03S-14E
Nemaha County, Kansas

Dear Rob Kramer:

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 11/01/2023 and the ACO-1 was received on March 07, 2024 (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