

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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Musgrove

Petroleum Geology
212 Main Street, Claflin KS



MAI OIL OPERATIONS, INC.

Scale 1:240 Imperial

Well Name: J.A STICE # 10
 Surface Location: 27-8S-19W (1360' FSL_2365' FEL)
 Bottom Location:
 API: 15-163-24409-0000
 License Number: 5259
 Spud Date: 3/3/2020 Time: 3:20 PM
 Region: ROOKS CO.
 Drilling Completed: 3/9/2020 Time: 5:50 PM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1942.00ft
 K.B. Elevation: 1952.00ft
 Logged Interval: 2800.00ft To: 3386.00ft
 Total Depth: 3386.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: Chemical/Fresh Water Gel

DRILLING					OIL					OIL & P/A					OIL				
MAI OIL OPERATIONS					MAI OIL OPERATIONS					EMPIRE ENERGY					MAI OIL				
J.A. STICE # 10					J.A. STICE # 5					STICE # 9					J.A. STICE # 7				
27-8S-19W [2310 FNL & 909' FWL]					27-8S-19W [990' N & 2310' W FROM SE CORNER]					27-8S-19W [1622' N & 2021' W From SE corner]					27-8S-19W [1038' N & 2243' E FROM SW CORNER]				
KB	1952	GL	1942	DF	1970				KB	1942				KB	1979				
LOG		SAMPLE			LOG		LOG	SMPL.	SAMPLE.		LOG	SMPL.	LOG		LOG	SMPL.			
LOG DEPTH	S.S	SAMPLE DEPTH	S.S	DEPTH	S.S.	DEPTH	CORR.	DEPTH	S.S	CORR.	CORR.	DEPTH	S.S	CORR.	CORR.				
ANHYDRITE	1361	591	1362	590	1380	590	+ 1	+ 0	1353	589	+ 2	+ 1	1393	586	+ 5	+ 4			
B. ANHYDRITE	1398	554	1397	555					1388	554	+ 0	+ 1	1428	551	+ 3	+ 4			
TOPEKA	2889	-937	2890	-938					2881	-939	+ 2	+ 1	2914	-935	- 2	- 3			
HEEBNER	3094	-1142	3092	-1140	3114	-1144	+ 2	+ 4	3092	-1150	+ 8	+ 10	3123	-1144	+ 2	+ 4			
TORONTO	3121	-1169	3116	-1164					3115	-1173	+ 4	+ 9	3145	-1166	- 3	+ 2			
LANSING	3137	-1185	3132	-1180	3138	-1168	- 17	- 12	3132	-1190	+ 5	+ 10	3163	-1184	- 1	+ 4			
BKC	3354	-1402	3354	-1402					3348	-1406	+ 4	+ 4	3378	-1399	- 3	- 3			
ARBUCKLE	3377	-1425	3377	-1425	3392	-1422	- 3	- 3	3374	-1432	+ 7	+ 7	3402	-1423	- 2	- 2			
RTD	3386	-1434	3386	-1434	3396	-1426	- 8	- 8	3457	-1515	+ 81	+ 81	3500	-1521	+ 87	+ 87			
LTD	3385	-1433	3385	-1433					3452	-1510	+ 77	+ 77	3503	-1524	+ 91	+ 91			

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
8411 Preston Rd Ste 800
Dallas Tx 75225
ATTN: Jim Musgrove

27 - 8S - 19W

J.A. Stice #10
Job Ticket: 66851 **DST#: 1**
Test Start: 2020.03.07 @ 09:59:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 11:56:00
 Tester: Royal Fisher
 Time Test Ended: 16:14:00
 Unit No: #77
 Reference Elevations: 1950.00 ft (KB)

Interval: 3333.00 ft (KB) To 3380.00 ft (KB) (TVD)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
8411 Preston Rd Ste 800
Dallas Tx 75225
ATTN: Jim Musgrove

27 - 8S - 19W

J.A. Stice #10
Job Ticket: 66852 **DST#: 2**
Test Start: 2020.03.07 @ 23:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:17:00
 Tester: Royal Fisher
 Time Test Ended: 08:15:15
 Unit No: #77
 Reference Elevations: 1950.00 ft (KB)

Interval: 3334.00 ft (KB) To 3386.00 ft (KB) (TVD)

Total Depth: 3380.00 ft (KB) (TVD) 1941.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 9.00 ft

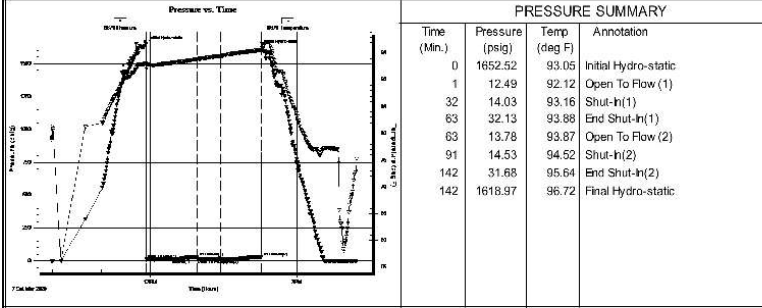
Serial #: 8671 Outside
 Press@RunDepth: 14.53 psig @ 3334.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.03.07 End Date: 2020.03.07 Last Calib.: 2020.03.07
 Start Time: 09:59:05 End Time: 16:13:59 Time On Btm: 2020.03.07 @ 11:55:45
 Time Off Btm: 2020.03.07 @ 14:17:45

TEST COMMENT: 30 - IF - Blow built up to 1/4" then died off to a weak blow
 30 - ISI - No Return
 30 - FF - Blow started out as a weak blow then built to a 1/4"
 45 - FSI - No Return

Total Depth: 3386.00 ft (KB) (TVD) 1941.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 9.00 ft

Serial #: 8671 Outside
 Press@RunDepth: 1040.50 psig @ 3335.00 ft (KB) Capacity: 8300.00 psig
 Start Date: 2020.03.07 End Date: 2020.03.08 Last Calib.: 2020.03.08
 Start Time: 23:23:05 End Time: 08:15:15 Time On Btm: 2020.03.08 @ 01:16:15
 Time Off Btm: 2020.03.08 @ 04:21:00

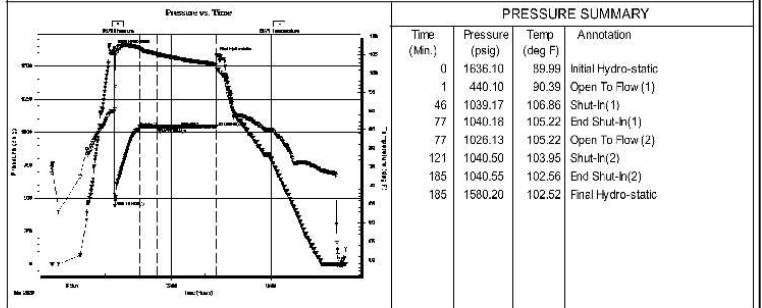
TEST COMMENT: 45 - IF - Blow built to BoB in 2 mins and built to 450"
 30 - ISI - No Return
 45 - FF - Blow built to 7 1/2" in 6 mins then died off
 60 - FSI - No Return



Length (%)	Description	Volume (Bbl)
4.00	OCM - 10%o - 90%w	0.04

PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.52	93.05	Initial Hydro-static
1	12.49	92.12	Open To Flow (1)
32	14.03	93.16	Shut-In(1)
63	32.13	93.88	End Shut-In(1)
63	13.78	93.87	Open To Flow(2)
91	14.53	94.52	Shut-In(2)
142	31.68	95.64	End Shut-In(2)
142	1618.97	96.72	Final Hydro-static

Gas Rates			
Length (ft)	Description	Volume (Bbl)	Gas Rate (Mcf/D)



Length (ft)	Description	Volume (Bbl)
755.00	OCMW - 30%o - 20%sm - 50%w	7.75
754.00	OCMW - 20%o - 10%sm - 70%w	7.74
754.00	OSMW - Oil Spots - 10%sm - 90%w	7.74

Gas Rates			
Length (ft)	Description	Volume (Bbl)	Gas Rate (Mcf/D)

OPEN HOLE LOGS

Logging Company: ELI WIRELINE
 Logging Engineer: JEFF LUBBERS
 Truck #: 922339
 Logging Date: 3/8/2020
 # Logs Run: 2

Time Spent: 4
 # Logs Run Successful: 2

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
CDL/CNL_BTM-	0.00ft	3383.00ft	2.00	BOTTOM HOLE GAMMA RAY	1
MEL-DIL	0.00ft	3383.00ft	2.00		1

LOGGING OPERATION SUMMARY

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

NOTES

SAMPLES SAVED FROM : 2800-RTD
 DRILL TIME SAVE : 2800-RTD
 GEOLOGICAL SUPERVISION : 2840-RTD

LOGGED BY

Company: Musgrove Petroleum, LLC
 Address: 212 Main Street
 Claflin, KS 67525

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

Name: James C. Musgrove

ROCK TYPES

	Cht vari		Lmst fw<7		Carbon Sh
	Dolprim		shale, gry		Ss

ACCESSORIES

ACCESSORIES

MINERAL

▲ Chert, dark

STRINGER

■ Limestone
 ■ Sandstone

OTHER SYMBOLS

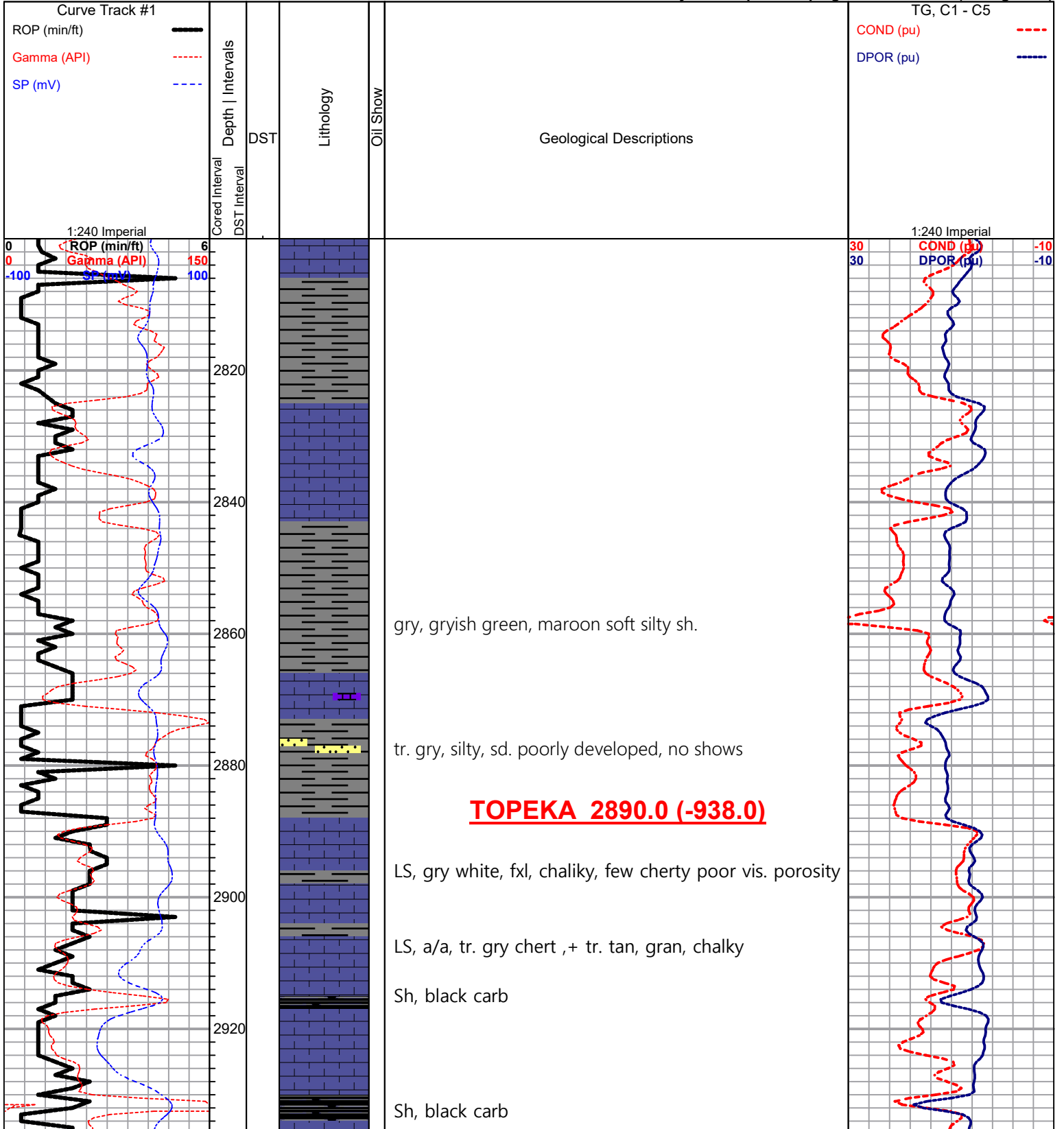
Oil Show

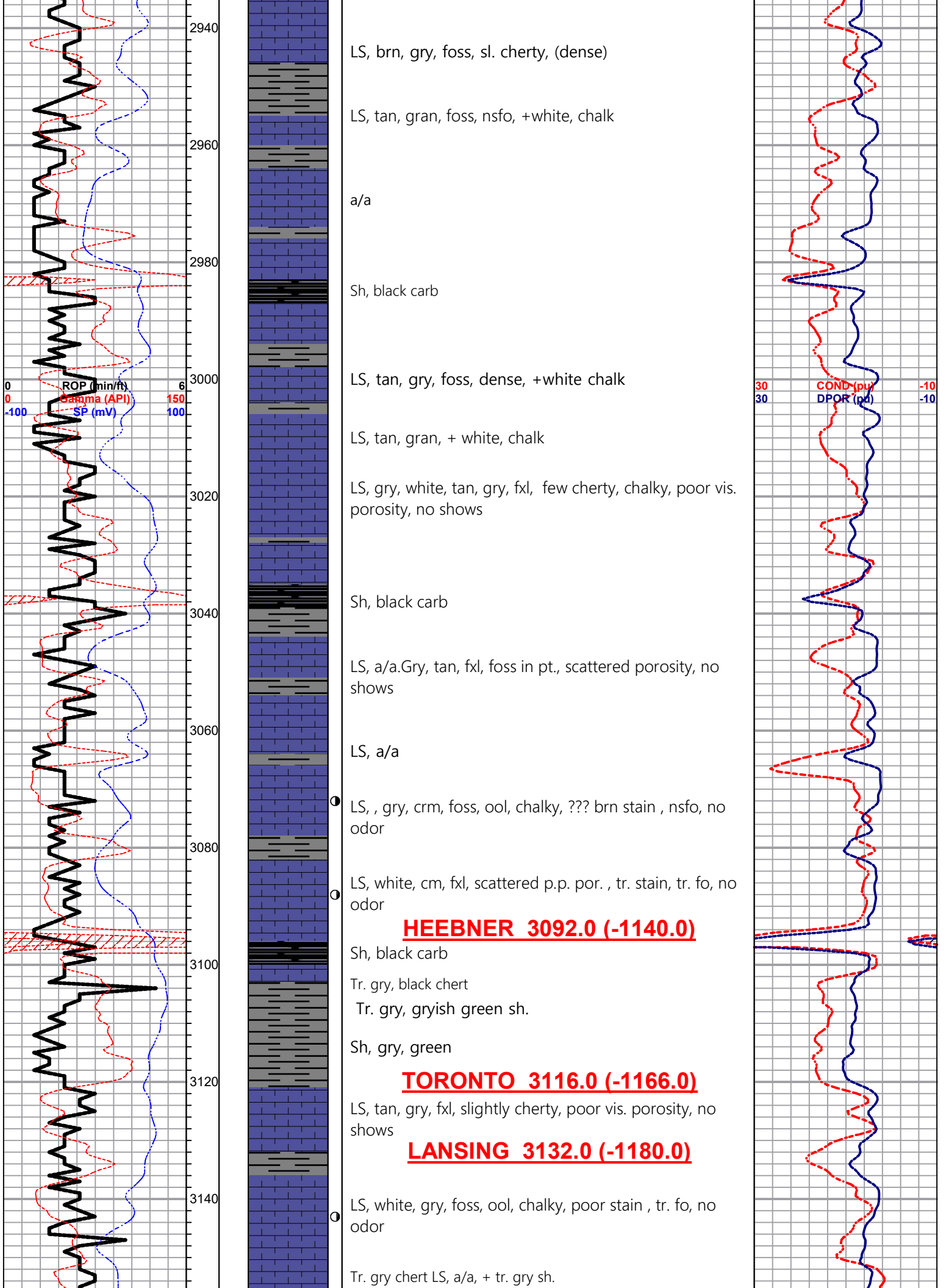
● Good Show
 ● Fair Show
 ○ Poor Show
 ○ Spotted or Trace
 ○ Questionable Stn
 D Dead Oil Stn
 ■ Fluorescence
 * Gas

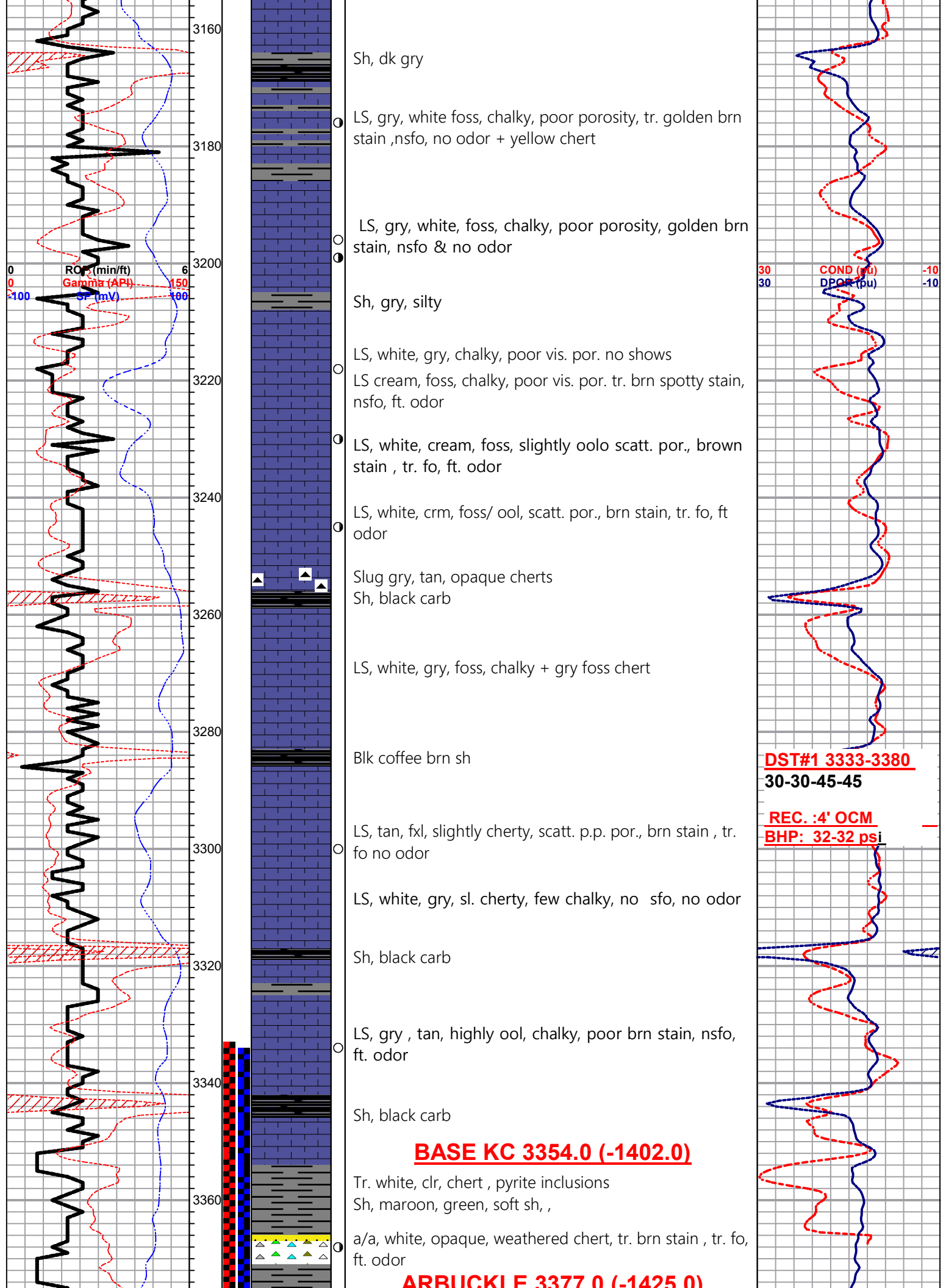
DST

■ DST Int
 ■ DST alt
 ■ Core
 ■ tail pipe

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







Sh, dk gry

LS, gry, white foss, chalky, poor porosity, tr. golden brn stain ,nsfo, no odor + yellow chert

LS, gry, white, foss, chalky, poor porosity, golden brn stain, nsfo & no odor

Sh, gry, silty

LS, white, gry, chalky, poor vis. por. no shows

LS cream, foss, chalky, poor vis. por. tr. brn spotty stain, nsfo, ft. odor

LS, white, cream, foss, slightly oolo scatt. por., brown stain , tr. fo, ft. odor

LS, white, crm, foss/ ool, scatt. por., brn stain, tr. fo, ft odor

Slug gry, tan, opaque cherts
Sh, black carb

LS, white, gry, foss, chalky + gry foss chert

Blk coffee brn sh

LS, tan, fxl, slightly cherty, scatt. p.p. por., brn stain , tr. fo no odor

LS, white, gry, sl. cherty, few chalky, no sfo, no odor

Sh, black carb

LS, gry , tan, highly ool, chalky, poor brn stain, nsfo, ft. odor

Sh, black carb

BASE KC 3354.0 (-1402.0)

Tr. white, clr, chert , pyrite inclusions
Sh, maroon, green, soft sh, ,

a/a, white, opaque, weathered chert, tr. brn stain , tr. fo, ft. odor

ARBUCKLE 3377 0 (-1425 0)

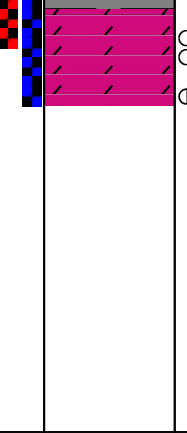
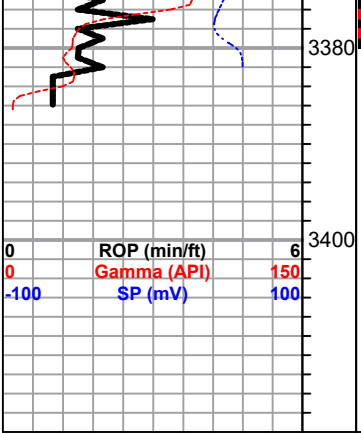
DST#1 3333-3380
30-30-45-45

REC. :4' OCM
BHP: 32-32 psi

ROF (min/ft) 6
Gamma (API) 150
SP (mV) 100

COND (mu) 30
DPOF (pu) 30

RTD 3386.0 (-1434.0)



3380

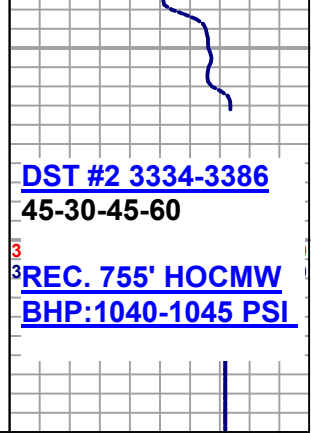
Dol white, crm, fxl, sl. cherty, poor vis. porosity, tr. brn stain, sfo., ft. odor

Dol., A/a, + tan, gry, chert

Dol, tan, med/ coarse xln, fr-good inxln/vuggy type por. stain, / sat., tr. sfo, fair - good odor, w/ chalky luster

a/a, + tan gry chert

RTD 3386.0 (-1434.0)





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

27 - 8S - 19W

8411 Preston Rd Ste 800
Dallas Tx 75225

J.A. Stice #10

Job Ticket: 66851

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.03.07 @ 09:59:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:56:00

Time Test Ended: 16:14:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 3333.00 ft (KB) To 3380.00 ft (KB) (TVD)

Reference Elevations: 1950.00 ft (KB)

Total Depth: 3380.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8671 Outside

Press@RunDepth: 14.53 psig @ 3334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.07 End Date: 2020.03.07

Last Calib.: 2020.03.07

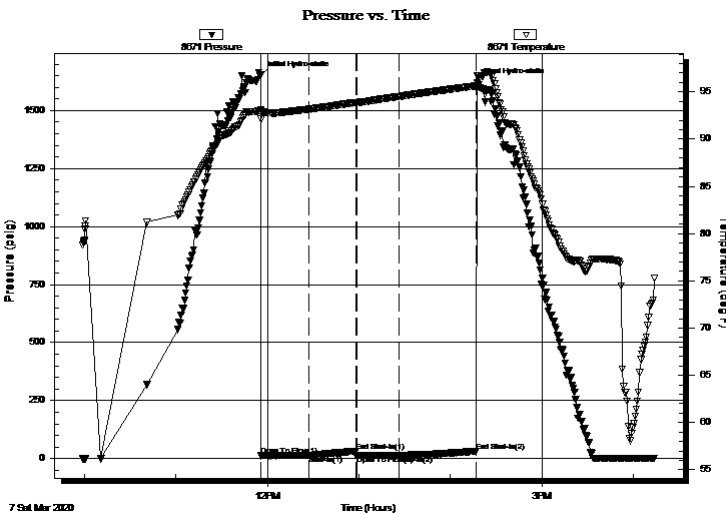
Start Time: 09:59:05 End Time: 16:13:59

Time On Btm: 2020.03.07 @ 11:55:45

Time Off Btm: 2020.03.07 @ 14:17:45

TEST COMMENT: 30 - IF - Blow built up to 1/4" then died off to a weak blow
30 - ISI - No Return
30 - FF - Blow started out as a weak blow then built to a 1/4"
45 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.52	93.05	Initial Hydro-static
1	12.49	92.12	Open To Flow (1)
32	14.03	93.16	Shut-In(1)
63	32.13	93.88	End Shut-In(1)
63	13.78	93.87	Open To Flow (2)
91	14.53	94.52	Shut-In(2)
142	31.68	95.64	End Shut-In(2)
142	1618.97	96.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	OCM - 10%o - 90%m	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

27 - 8S - 19W

8411 Preston Rd Ste 800
Dallas Tx 75225

J.A. Stice #10

Job Ticket: 66851

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.03.07 @ 09:59:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	OCM - 10%o - 90%m	0.041

Total Length: 4.00 ft Total Volume: 0.041 bbl

Num Fluid Samples: 0

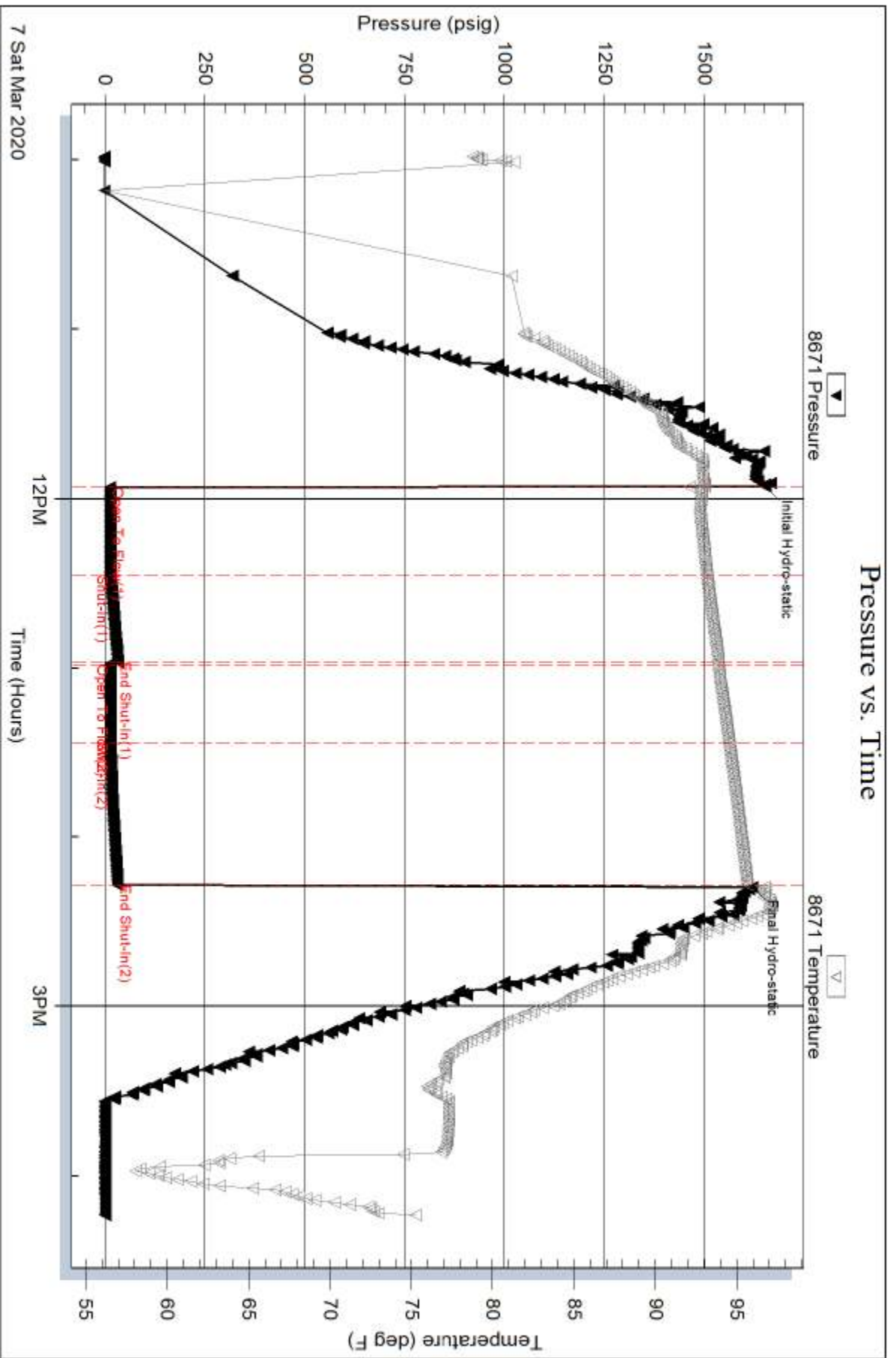
Num Gas Bombs: 0

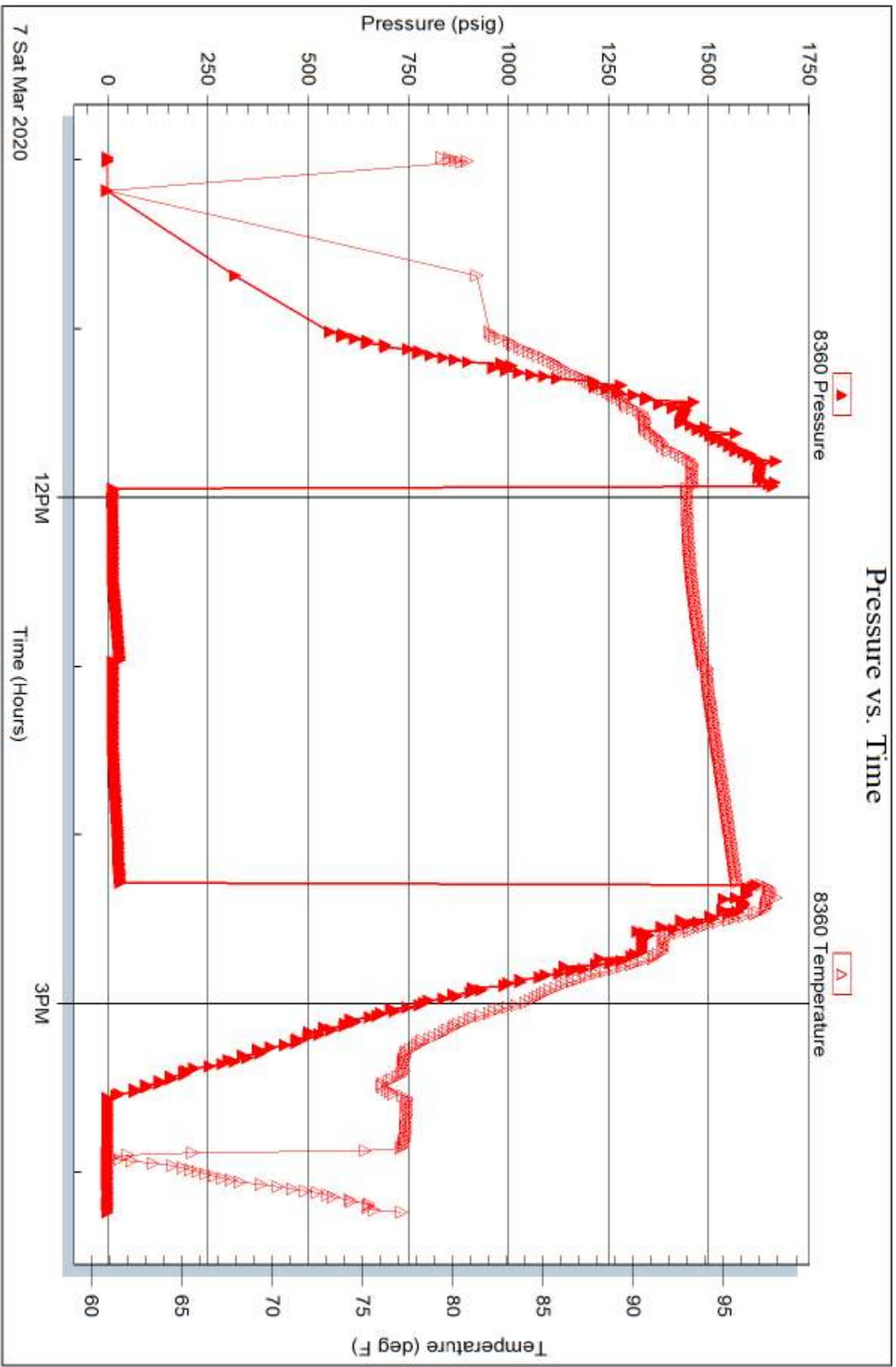
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

27 - 8S - 19W

8411 Preston Rd Ste 800
Dallas Tx 75225

J.A. Stice #10

Job Ticket: 66852

DST#: 2

ATTN: Jim Musgrove

Test Start: 2020.03.07 @ 23:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:17:00

Time Test Ended: 08:15:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 3334.00 ft (KB) To 3386.00 ft (KB) (TVD)

Reference Elevations: 1950.00 ft (KB)

Total Depth: 3386.00 ft (KB) (TVD)

1941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8671 Outside

Press@RunDepth: 1040.50 psig @ 3335.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.07 End Date: 2020.03.08

Last Calib.: 2020.03.08

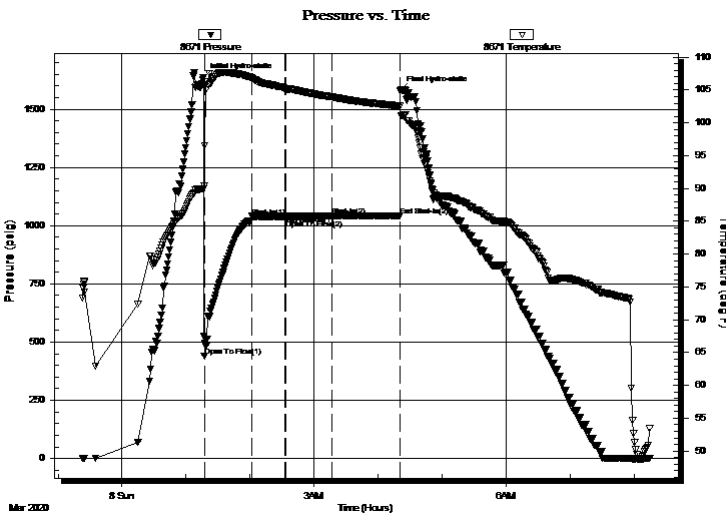
Start Time: 23:23:05 End Time: 08:15:15

Time On Btm: 2020.03.08 @ 01:16:15

Time Off Btm: 2020.03.08 @ 04:21:00

TEST COMMENT: 45 - IF - Blow built to BoB in 2 mins and built to 450"
30 - ISI - No Return
45 - FF - Blow built to 7 1/2" in 6 mins then died off
60 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1636.10	89.99	Initial Hydro-static
1	440.10	90.39	Open To Flow (1)
46	1039.17	106.86	Shut-In(1)
77	1040.18	105.22	End Shut-In(1)
77	1026.13	105.22	Open To Flow (2)
121	1040.50	103.95	Shut-In(2)
185	1040.55	102.56	End Shut-In(2)
185	1580.20	102.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
755.00	OCMW - 30%o - 20%m - 50%w	7.75
754.00	OCMW - 20%o - 10%m - 70%w	7.74
754.00	OSMW - Oil Spots - 10%m - 90%w	7.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

27 - 8S - 19W

8411 Preston Rd Ste 800
Dallas Tx 75225

J.A. Stice #10

Job Ticket: 66852

DST#: 2

ATTN: Jim Musgrove

Test Start: 2020.03.07 @ 23:23:00

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:

13000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
755.00	OCMW - 30%o - 20%m - 50%w	7.747
754.00	OCMW - 20%o - 10%m - 70%w	7.737
754.00	OSMW - Oil Spots - 10%m - 90%w	7.737

Total Length: 2263.00 ft Total Volume: 23.221 bbl

Num Fluid Samples: 0

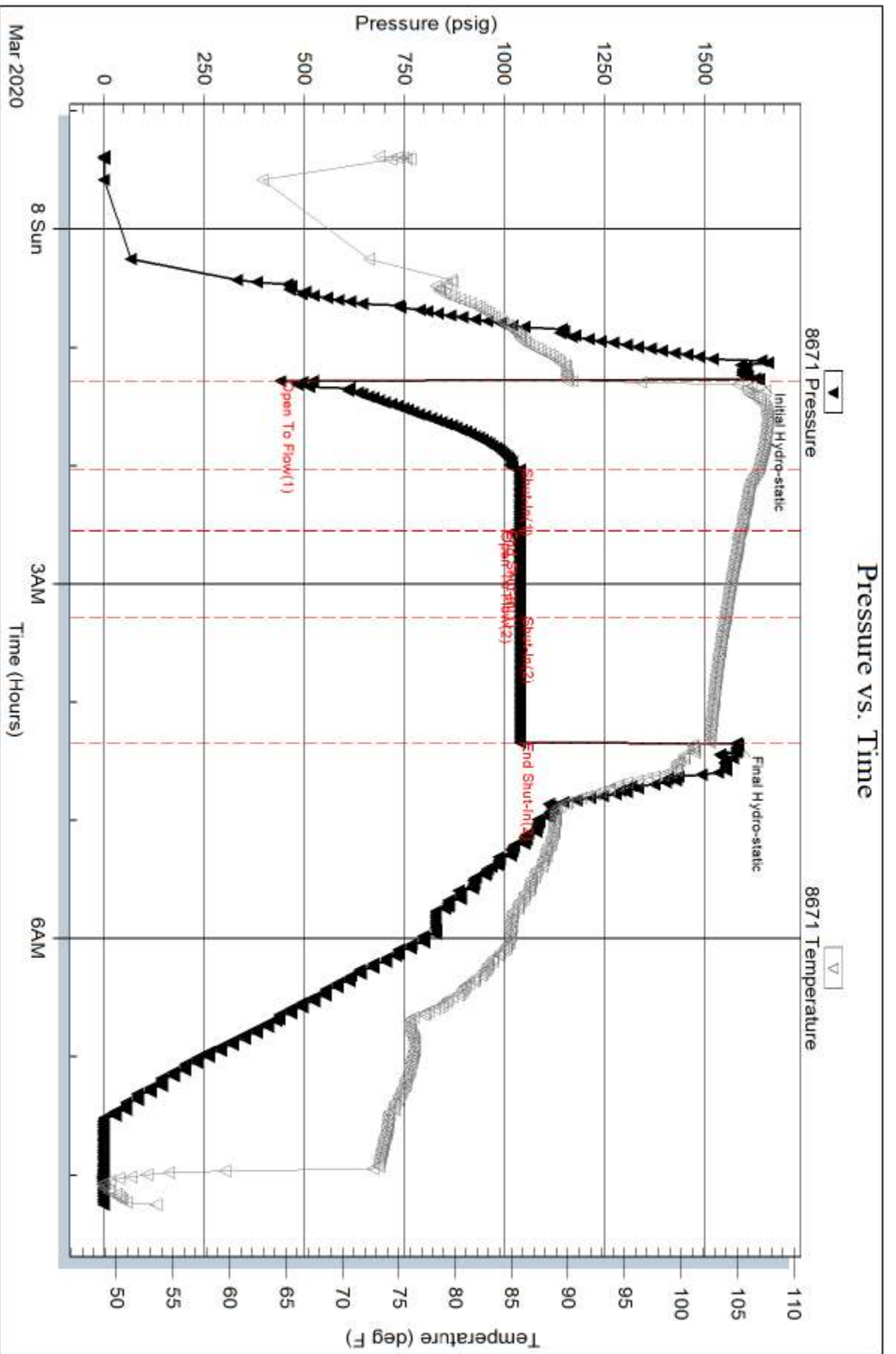
Num Gas Bombs: 0

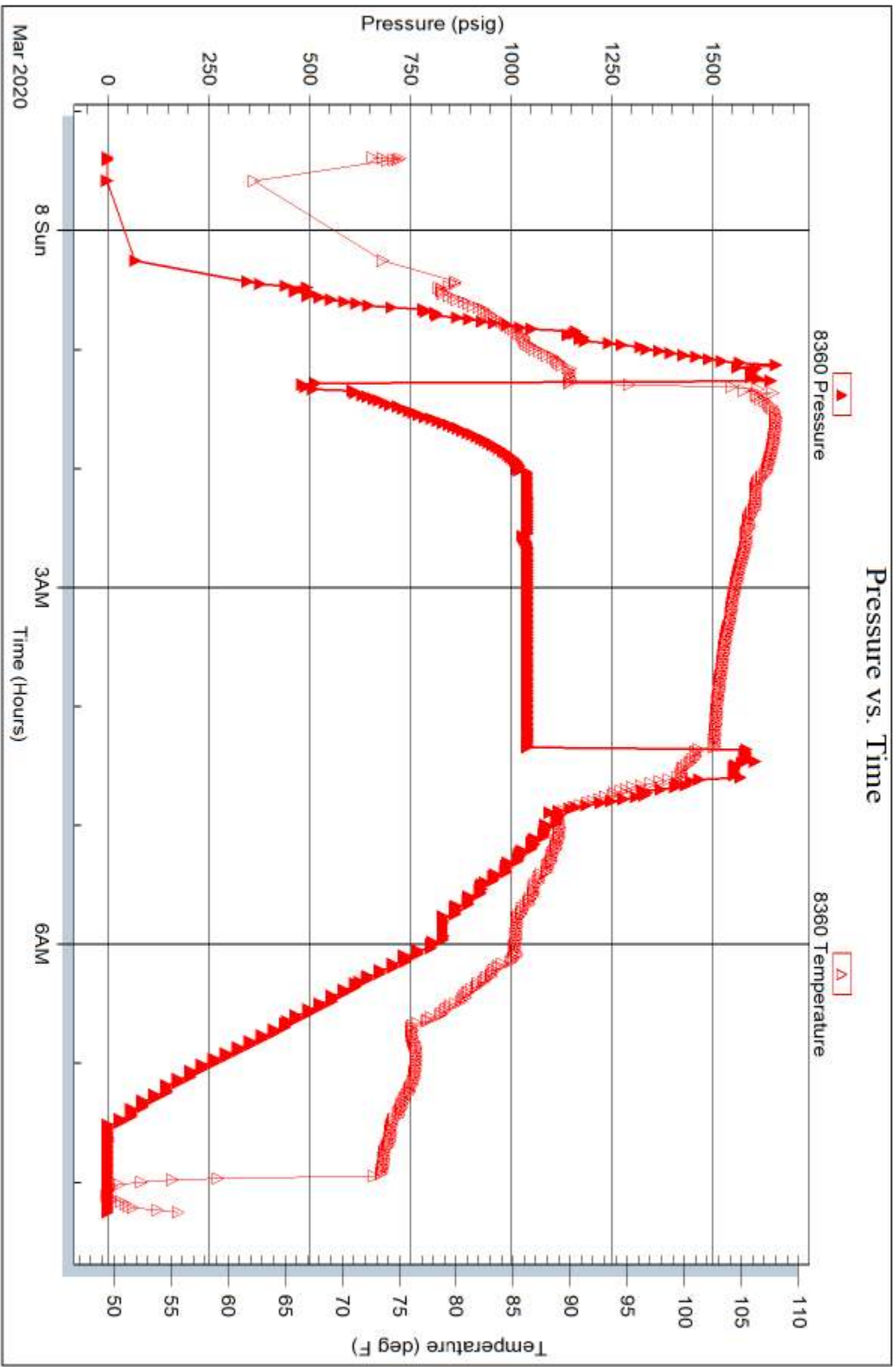
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .670 @ 50 deg.







QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE:785-324-1041 FAX:785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 3/3/2020
 Invoice # 1954

P.O.#:
 Due Date: 4/2/2020
 Division: *Russell*

Invoice

Contact:
 Mai Oil Operations
Address/Job Location:

8411 Preston Rd. Ste 800
 Dallas TX 75225-5520

Reference:
 JA STICE 10 SEC 27-8-8

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 675.02	No				
Common-Class A	99	\$ 1,542.97	Yes				
POZ Mix-Standard	66	\$ 349.54	Yes				
Premium Gel (Bentonite)	3	\$ 65.82	Yes				
Bulk Truck Matl-Material Service Charge	176	\$ 133.16	No				
Pump Truck Mileage-Job to Nearest Camp	39	\$ 132.78	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	39	\$ 103.27	No				
Calcium Chloride	7	\$ 296.58	Yes				

Invoice Terms:
 Net 30

SubTotal: \$ 3,299.14
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (82.48)

SubTotal for Taxable Items:	\$ 2,198.54
SubTotal for Non-Taxable Items:	\$ 1,018.12
Total:	\$ 3,216.66
Tax:	\$ 153.90

7.00% Rooks County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,370.56
Applied Payments:
Balance Due: \$ 3,370.56

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1954

Date	3-3-20	Sec.	27	Twp.	8	Range	19	County	Rooks	State	Ks	On Location		Finish	8:15p
								Location	Zunchen 1/2E Ninto						

Lease	J A Stice	Well No.	10	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Contractor	Southwind #8			Charge To	Main Oil										
Type Job	Surface			Street											
Hole Size	12 1/4	T.D.	264	City	State										
Csg.	8 5/8	Depth	263	The above was done to satisfaction and supervision of owner agent or contractor.											
Tbg. Size		Depth		Cement Amount Ordered	165 ^{Coa} / 40 4-1-CC 2-1-CEL										
Tool		Depth													
Cement Left in Csg.	10'	Shoe Joint													
Meas Line		Displace	16BCL												

EQUIPMENT				Common	99
Pumptrk	17	No.	Cement Helper Craig	Poz. Mix	64
Bulktrk		No.	Driver Tim	Gel.	43
Bulktrk	9	No.	Driver Doug	Calcium	7

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
	8 5/8 on bottom. Est. Circulation.	Handling
	Mit KASSK & Displace.	Mileage
	Cement Circulated!	

FLOAT EQUIPMENT		8 5/8 Swage
Guide Shoe		
Centralizer		
Baskets		
AFU Inserts		
Float Shoe		
Latch Down		

Pumptrk Charge	Surface	Tax	
Mileage	39	Discount	
Signature	Joy Davis	Total Charge	



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE:785-324-1041 FAX:785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 3/9/2020
 Invoice # 1958

P.O.#:
 Due Date: 4/8/2020
 Division: Russell

Invoice

Contact:
 Mai Oil Operations
Address/Job Location:

8411 Preston Rd. Ste 800
 Dallas TX 75225-5520

Reference:
 J A STICE SEC 27-8-19

Description of Work:
 PROD STRING

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 718.75	No	Latch Down Plug & Baffle, 5 1/2"	1	\$201.25	Yes
Multi Density- 80/20	425	\$ 5,787.83	Yes	Salt (Fine)	13	\$128.85	Yes
Common-Class A	90	\$ 1,402.70	Yes	Pump Truck Mileage-Job to Nearest Camp	39	\$132.78	No
5 1/2" Triplex Shoe	1	\$ 1,013.82	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	39	\$103.27	No
5 1/2" Basket	4	\$ 847.37	Yes	Premium Gel (Bentonite)	3	\$65.82	Yes
Mud Clear	500	\$ 552.30	Yes	5 1/2" Limit Clamps	1	\$29.88	Yes
5 1/2" Turbolizer	10	\$ 544.74	Yes				
Bulk Truck Matl-Material Service Charge	591	\$ 447.14	No				
POZ Mix-Standard	60	\$ 317.76	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 254.21	Yes				
Flo Seal	150	\$ 226.97	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 12,775.44

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (319.39)

SubTotal for Taxable Items: \$ 11,089.16

SubTotal for Non-Taxable Items: \$ 1,366.89

Total: \$ 12,456.05

Tax: \$ 776.24

7.00% Rooks County Sales Tax

Thank You For Your Business!

Amount Due: \$ 13,232.29
Applied Payments:
Balance Due: \$ 13,232.29

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.

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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1958

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-9-20	27	8	19	Rocks	KS		4:30pm
Lease				Well No.		Owner	
J.A. Stice				10		To Quality Oilwell Cementing, Inc.	
Contractor				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Southwest #5							
Type Job				Charge To			
Production String				Main Oil			
Hole Size		T.D.		Street		City State	
7 7/8		3386					
Csg.		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
5 1/2 14#		3380					
Tbg. Size		Depth		Cement Amount Ordered			
				425 80/20 QMIX 1/4# NO			
Tool		Depth		Cement Left in Csg.			
				4253			
Cement Left in Csg.		Shoe Joint		Meas Line			
4253		4253		Displace			
				81 1/2 BCL			
EQUIPMENT				Common			
Pumptrk				90			
No. Cementer				50 gal mix clear			
20				Helper			
Bulktrk				Poz. Mix			
15				60			
No. Driver				Gel.			
21				3			
No. Driver				Calcium			
21				425 60/20 Qmix			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				13			
30SK				Flowseal			
Mouse Hole				150 #			
15SK				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
5 1/2 set @ 3380. Bullhead 3337, 47.				Handling			
Best Circulation - set Tripex shoe.				Mileage			
Plug Rat hole & mouse hole.				FLOAT EQUIPMENT			
Cement 5 1/2 with 530SK				Guide Shoe			
Clear lines & Displace Plug.				Centralizer			
L.A. pressure - 1600*				10			
Plug Jawline - 2000*				Baskets			
Cement Circulator				4			
90SK to pit				AFU Inserts			
				Limit Clamp			
				Float Shoe			
				Triplex Shoe			
				Latch Down			
				1			
				Pumptrk Charge			
				prod string			
				Mileage			
				39			
Signature				Tax			
				Discount			
				Total Charge			