

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	Mai Oil Operations, Inc.
Well Name	O'LEARY 7
Doc ID	1542746

Tops

Name	Top	Datum
Anhydrite	701	1139
Heebner	2884	-1044
Toronto	2904	-1064
Douglas	2917	-1077
Lansing	2991	-1151
Base KC	3259	-1419
Conglomerate	3273	-1433
Arbuckle	3312	-1480



Musgrove

Petroleum Geology
212 Main Street, Claflin KS

Scale 1:240 Imperial

Well Name: O'LEARY #7
 Surface Location: 8-16S-11W (512' FNL .2119' FEL)
 Bottom Location: SE-NW-NW-NE
 API: 15-009-26293-00-00
 License Number: 5259
 Spud Date: 11/13/2020 Time: 4:37 PM
 Region: BARTON
 Drilling Completed: 11/19/2020 Time: 11:10 PM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1831.00ft
 K.B. Elevation: 1840.00ft
 Logged Interval: 2650.00ft To: 3320.00ft
 Total Depth: 3320.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL

OPERATOR

Company: MAI OIL OPERATIONS
 Address: 8411 PRESTON RD STE 800
 DALLAS TX

Contact Geologist:
 Contact Phone Nbr:

Well Name: O'LEARY #7
 Location: 8-16S-11W (512' FNL .2119' FEL)
 API: 15-009-26293-00-00

Pool: State: KANSAS Field: KRAFT-PRUSA
 Country:

DRILLSTEM TESTS

No	Interval	Formation
1	2996-3056	Lansing
2	3070-3084	Lansing
3	3250-3320	Arbuckle

LOGGED BY



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

Phone Nbr: 620-639-19648
 Logged By: Geologist Name: James C. Musgrove

ELEVATIONS

K.B. Elevation: 1840.00ft Ground Elevation: 1831.00ft
 K.B. to Ground: 9.00ft

CONTRACTOR

Contractor: SOUTHWIND DRILLING

Rig #: 3
 Rig Type: MUD ROTARY
 Spud Date: 11/13/2020
 TD Date: 11/19/2020
 Rig Release: 11/20/2020

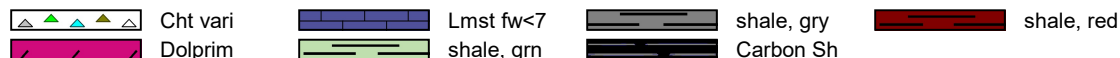
Time: 4:37 PM
 Time: 11:10 PM
 Time: 4:00 PM

NOTES

CASING : 8 5/8 " @429'
 PRODUCTION CASING : NONE

DRILLING TIME: One (1) foot drilling time recorded and kept 2650' to RTD

ROCK TYPES



OTHER SYMBOLS

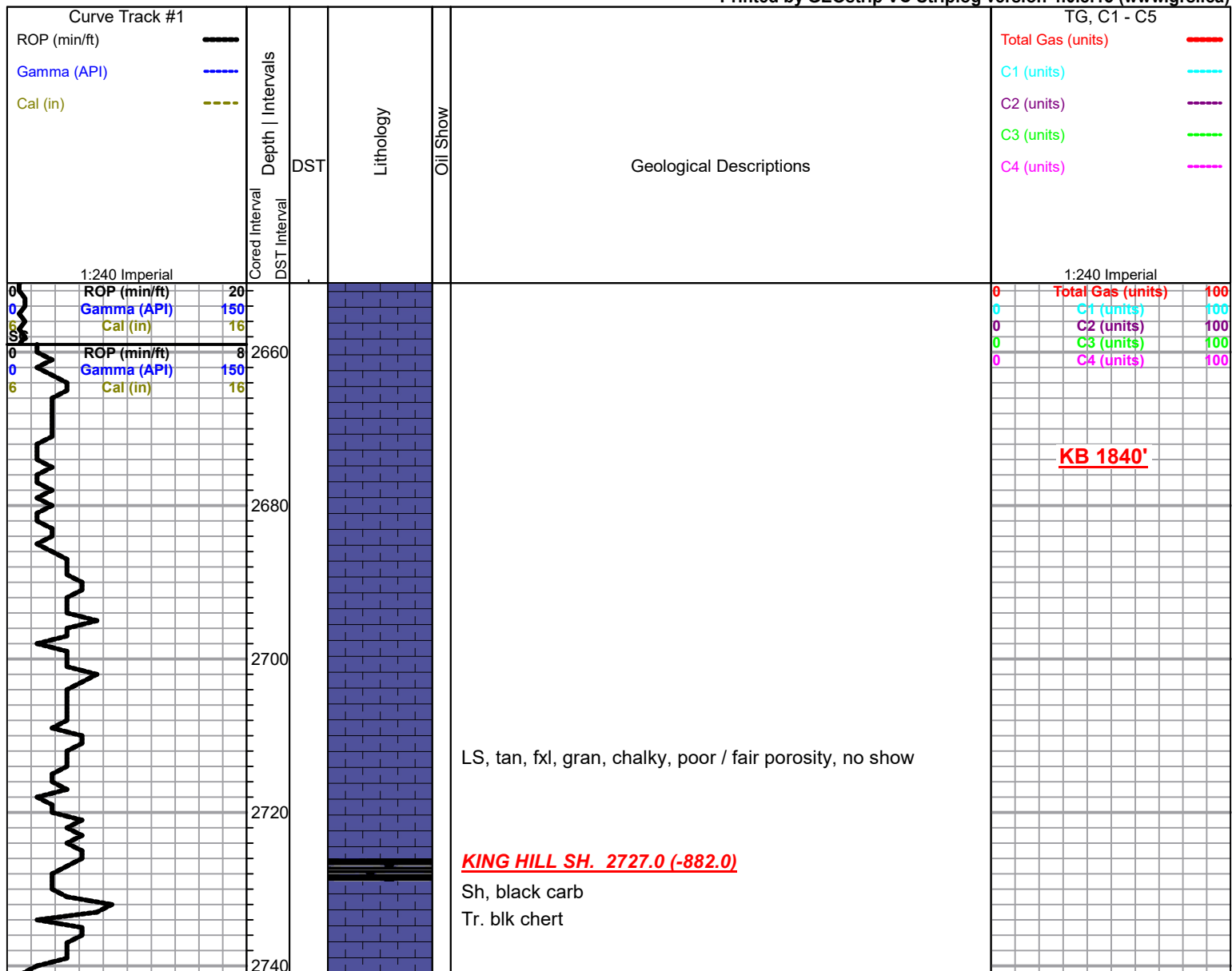
Oil Show

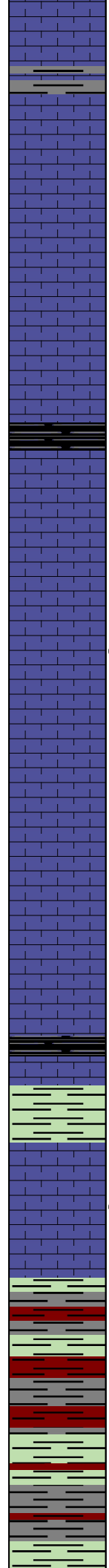
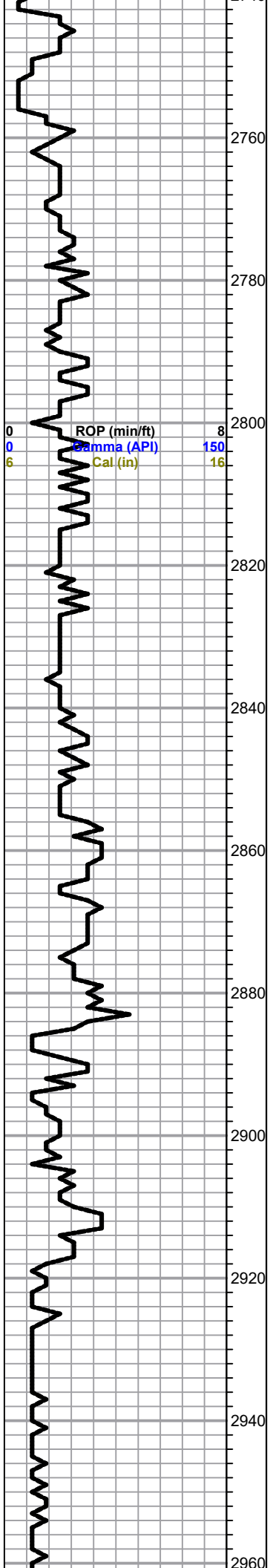
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas

DST

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

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Sh, gry, gryish green,
LS, tan, gry, fxl, tr. pyrite

LS, tan, fxl, sub oom, scatt. oom/ vuggy type por.

LS, tan, dk brn, fxl, cherty (dense)

QUEEN HILL SH. 2797.0 (-952.0)

Sh, blk carb

LS, gry, white, fxl, foss, scatt. por., no show

LS, white, gry, foss, chalky, poor vis. por., brn/ golden brn,
stain, nsfo, no odor

LS, gry, white, chalky --> cherty, poor porosity

LS, a/a + gry chert

HEEBNER 2884.0 (-1044.0)

Sh, black carb
LS, tan, dense,
Gry/ gryish green sh.

TORONTO 2904.0 (-1064.0)

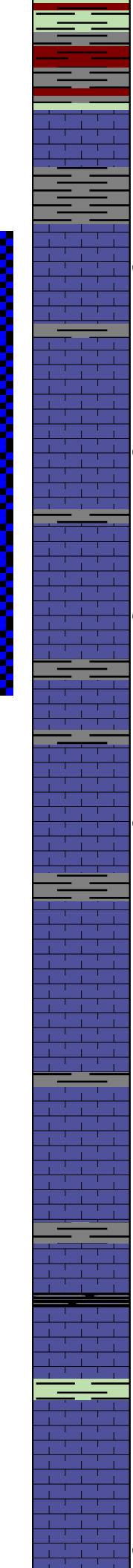
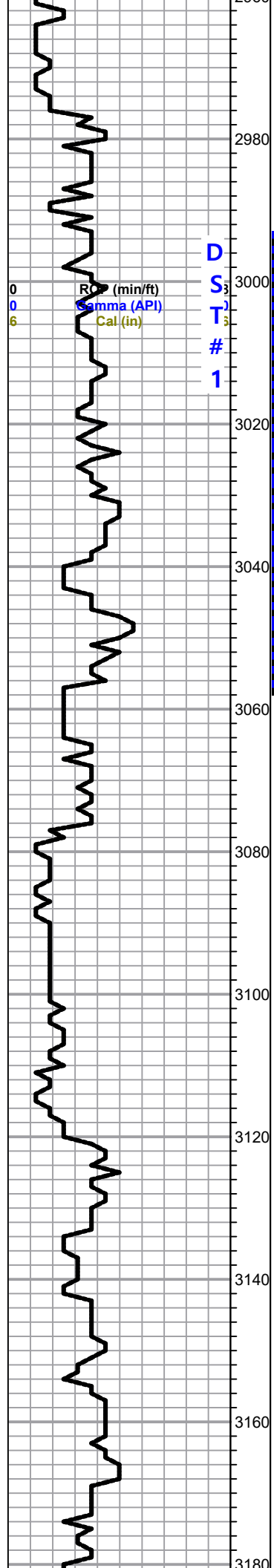
LS, white/ crm, chalky, poor por., tr. lt. brn stain , nsfo, no odor

DOUGLAS 2917.0 (-1077.0)

Sh, gry/ gryish green, silty

Sh, gry gryish green silty sh

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



Sh, maroon, brick red, gryish green silty sh.

BROWN LIME 2976.0 (-1136.0)

LS, tan, brn, fxl, dense, poor por.,

LANSING 2991.0 (-1151.0)

LS, tan, gry, foss, poorly developed, ??? brn stain , nsfo., ft. odor

LS, white/ gry, sub oom, chalky, tr. brn stain , nsfo, ??? odor

LS, white/ gry, foss, chalky, brn stain , tr. fo , fair odor

LS, crm/ tan, ool, sub oom scattered porosity, no shows

LS, gry, crm, ool, sub oom, slightly chalky, fair porosity, brn sppty stain , tr. fo., ft. odor

LS, gry, tan, oom, chalky, poor vis. porosity (barren)

LS, a/a

LS, white/ crm, chalky, dense

Sh, gry/ blk carb sh

LS, white, crm, fxl, ool, sub oom, chalky, poor vis. porosity

Sh, green/ gry

LS, white, ool, chalky, tr. poor golden brn stain nsfo, no odor

**DST#1 2996-3056
30-30-30-30**

1st Open:
Weak

Recovery :
10' Mud

Pressures:
ISIP 37 psi
FSIP 25 psi
IFP 17-18 psi
FFP 19-17 psi
HSH 1459-1437 psi

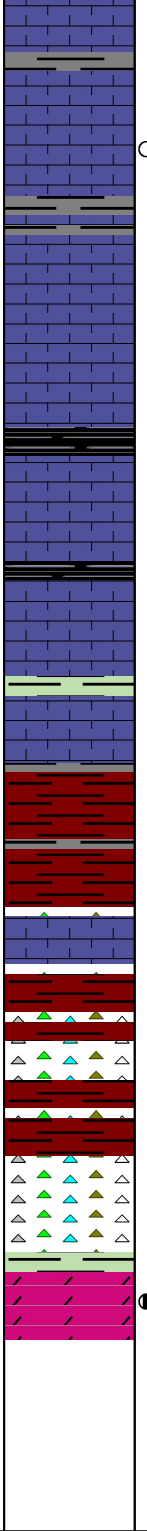
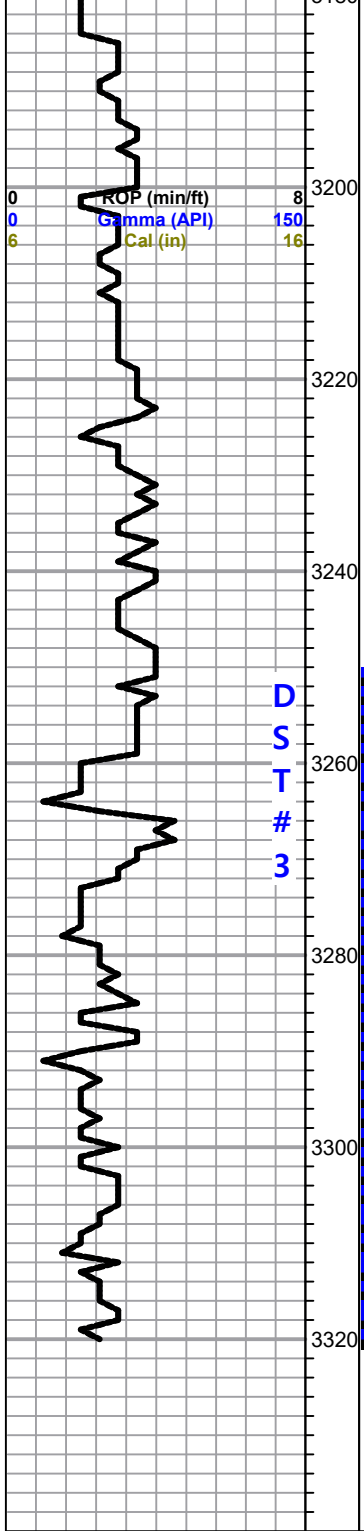
DST# 2 3070-3084
45-30-30-30

1st Open:
Slow build to 0.94"

2nd Open:
Surface Blow

Recovery:
15' Mud

Pressures:
ISIP 308 psi
FSIP 182 psi
IFP 14-16 psi
FFP 16-17 psi
HSH 1498-1473



LS, white, gry, ool, oom, chalky, poor vis. por., tr. poor spty stain , nsfo, no odor

LS, white/ gry, chalky, few foss

Sh, black carb

LS, tan, highly ool , cherty in pt, poor por.

Sh black carb

Sh, gry/ greenish maroon
LS, tan, + pyrite,

BASE KC. 3259.0 (-1419.0)

V.C. shale
CONGLOMERATE 3273.0 (-1433.0)

LS, tan, ool, dense,

Maroon/ red sh. Tr. orange chert

Sh, maroon, rusty brn
+ white, yellow opaque chert

Sh, a/a, v.c. chert & v.c. soft sh.,

Chert, white, gry, ool, chert + v.c. soft sandy sh.

ARBUCKLE 3312.0 (-1472.0)

Dol, white/ crm, med xln, fr-good inxln por. brn stain , sfo, fair odor

RTD 3320.0 (-1480.0)

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

DST#3 3250-3320
30-30-30-45

1st Open:
Strong Blow

Recovery
1120' muddy water

Pressures:
ISIP 1101 psi
FSIP 1092 psi
IFP 40-306 psi
FFP 314-513 psi
HSH 1043-1607 psi



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations, Inc.**

8411 Preston Rd. Suite 800
Dallas, TX 75225

ATTN: Jim Musgrove

O'Leary #7

8-16S-11W Barton,KS

Start Date: 2020.11.17 @ 10:35:48

End Date: 2020.11.17 @ 16:11:54

Job Ticket #: 59548 DST #: 1

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

Printed: 2020.11.20 @ 08:28:27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59548

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.11.17 @ 10:35:48

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:50:54

Time Test Ended: 16:11:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 2996.00 ft (KB) To 3056.00 ft (KB) (TVD)

Reference Elevations: 1840.00 ft (KB)

Total Depth: 3056.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8700

Outside

Press@RunDepth: 16.84 psig @ 2997.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.17

End Date:

2020.11.17

Last Calib.:

2020.11.17

Start Time: 10:35:49

End Time:

16:11:54

Time On Btm:

2020.11.17 @ 12:50:39

Time Off Btm:

2020.11.17 @ 14:52:09

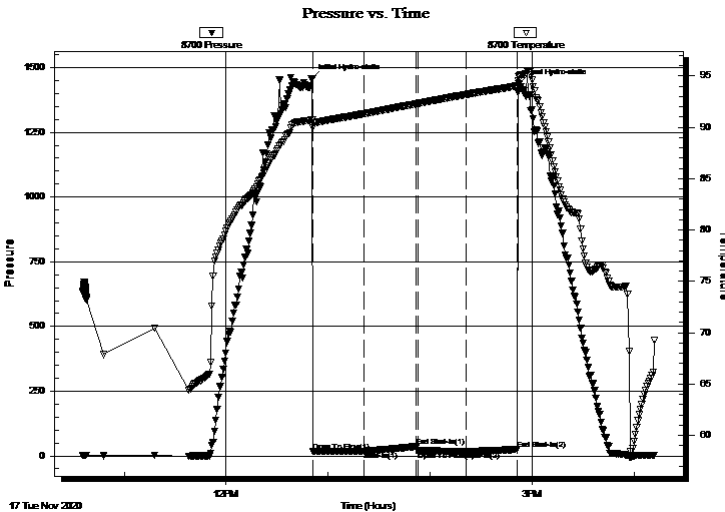
TEST COMMENT: 30- IF- Slowly built to 0.27"

30- IS- No blow

30- FF- Surface blow

30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1458.68	90.70	Initial Hydro-static
1	16.67	89.99	Open To Flow (1)
31	18.41	91.31	Shut-In(1)
62	36.54	92.29	End Shut-In(1)
62	18.98	92.31	Open To Flow (2)
91	16.84	93.18	Shut-In(2)
121	24.79	94.02	End Shut-In(2)
122	1436.90	94.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M	0.14

Gas Rates

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



DRILL STEM TEST REPORT

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

8-16S-11W Barton,KS
O'Leary #7
 Job Ticket: 59548 **DST#: 1**
 Test Start: 2020.11.17 @ 10:35:48

GENERAL INFORMATION:

Formation:

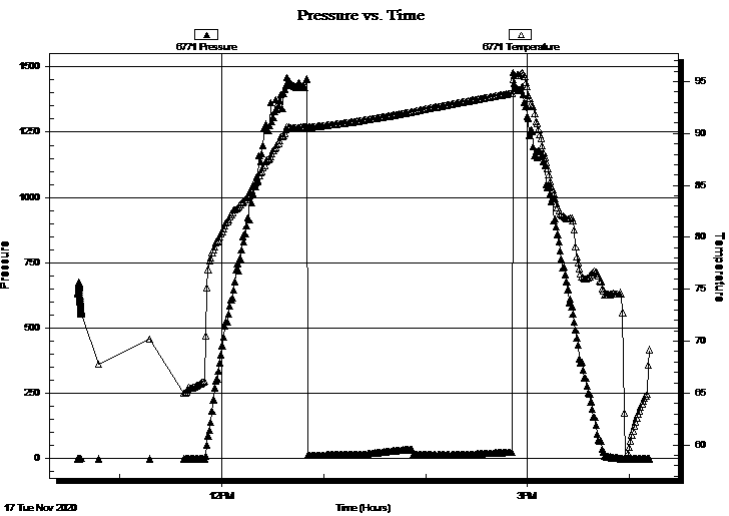
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:50:54 Tester: Brannan Lonsdale
 Time Test Ended: 16:11:54 Unit No: 73
Interval: 2996.00 ft (KB) To 3056.00 ft (KB) (TVD) Reference Elevations: 1840.00 ft (KB)
 Total Depth: 3056.00 ft (KB) (TVD) 1831.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 6771

Inside

Press@RunDepth: psig @ 2997.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.11.17 End Date: 2020.11.17 Last Calib.: 2020.11.17
 Start Time: 10:35:34 End Time: 16:11:39 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- Slowly built to 0.27"
 30- IS- No blow
 30- FF- Surface blow
 30- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59548

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.11.17 @ 10:35:48

Tool Information

Drill Pipe:	Length: 3009.00 ft	Diameter: 3.82 inches	Volume: 42.65 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 31000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 27000.00 lb
Depth to Top Packer:	2996.00 ft			Final 27000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2977.00	
Shut In Tool	5.00			2982.00	
Hydraulic tool	5.00			2987.00	
Packer	5.00			2992.00	20.00 Bottom Of Top Packer
Packer	4.00			2996.00	
Stubb	1.00			2997.00	
Recorder	0.00	6771	Inside	2997.00	
Recorder	0.00	8700	Outside	2997.00	
Perforations	23.00			3020.00	
Change Over Sub	1.00			3021.00	
Drill Pipe	31.00			3052.00	
Change Over Sub	1.00			3053.00	
Bullnose	3.00			3056.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59548

DST#: 1

ATTN: Jim Musgrove

Test Start: 2020.11.17 @ 10:35:48

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M	0.142

Total Length: 10.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0

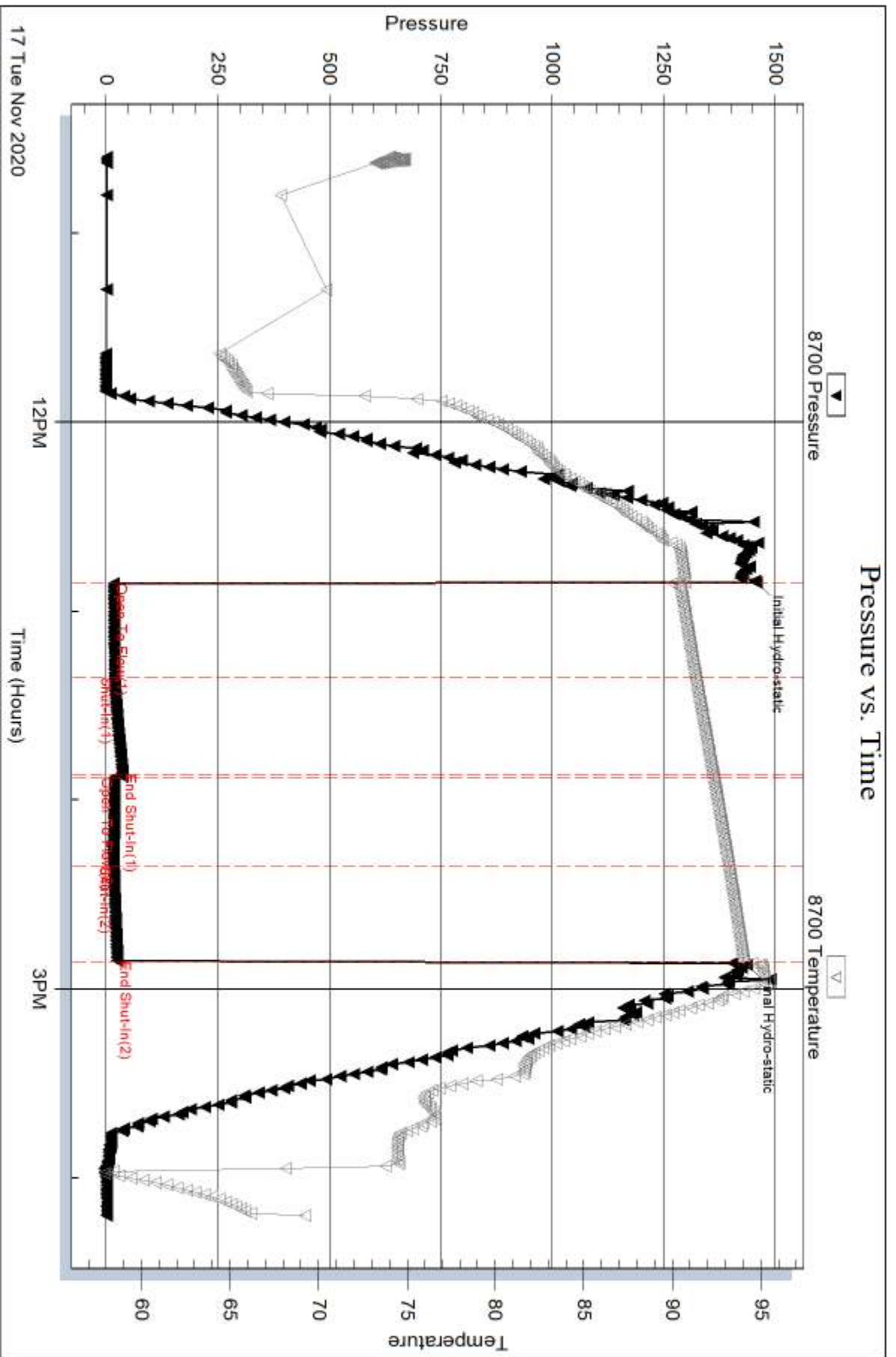
Num Gas Bombs: 0

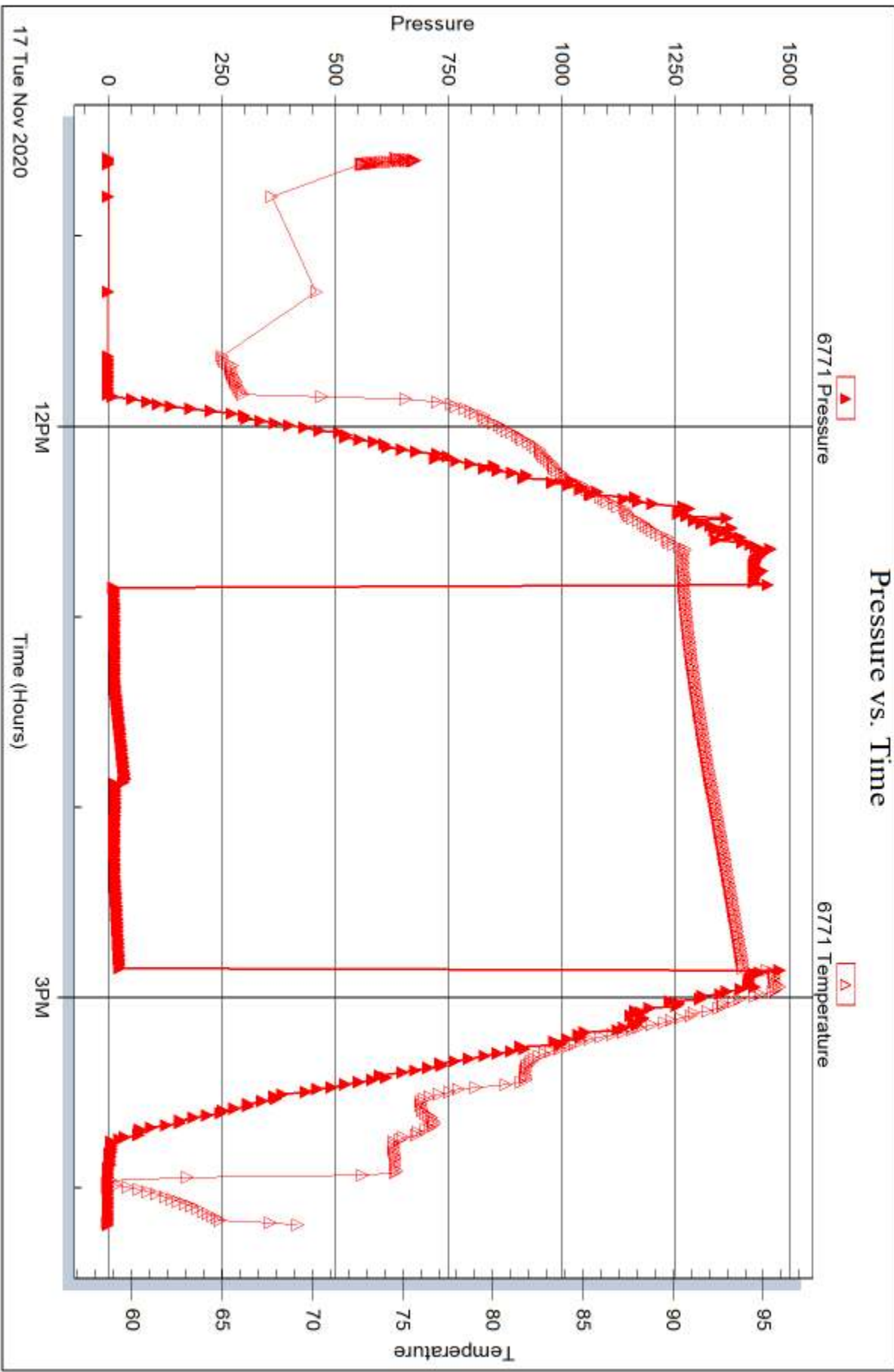
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations, Inc.**

8411 Preston Rd. Suite 800
Dallas, TX 75225

ATTN: Jim Musgrove

O'Leary #7

8-16S-11W Barton,KS

Start Date: 2020.11.17 @ 22:43:55

End Date: 2020.11.18 @ 05:09:01

Job Ticket #: 59549 DST #: 2

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

Printed: 2020.11.20 @ 08:28:01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

8-16S-11W Barton,KS

O'Leary #7

Job Ticket: 59549

DST#: 2

Test Start: 2020.11.17 @ 22:43:55

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:13:16

Time Test Ended: 05:09:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3070.00 ft (KB) To 3084.00 ft (KB) (TVD)

Reference Elevations: 1840.00 ft (KB)

Total Depth: 3084.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6771

Inside

Press@RunDepth: 17.92 psig @ 3071.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.17 End Date: 2020.11.18

Last Calib.: 2020.11.18

Start Time: 22:43:56 End Time: 05:09:01

Time On Btm: 2020.11.18 @ 01:13:01

Time Off Btm: 2020.11.18 @ 03:29:16

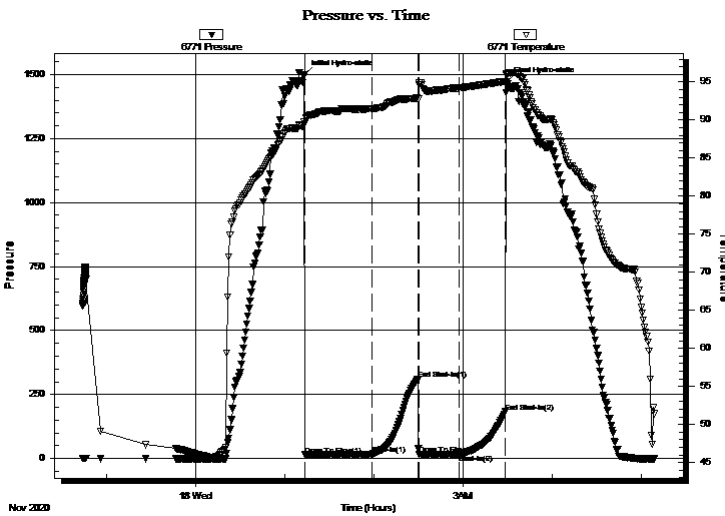
TEST COMMENT: 45- IF- Slowly built to 0.94"

30- IS- No blow

30- FF- Surface blow

30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1498.32	89.79	Initial Hydro-static
1	14.15	89.56	Open To Flow (1)
46	16.89	91.49	Shut-In(1)
77	308.55	92.89	End Shut-In(1)
78	16.96	94.58	Open To Flow (2)
105	17.92	94.22	Shut-In(2)
136	182.60	95.10	End Shut-In(2)
137	1473.45	96.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	M	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59549

DST#: 2

ATTN: Jim Musgrove

Test Start: 2020.11.17 @ 22:43:55

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:13:16

Time Test Ended: 05:09:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3070.00 ft (KB) To 3084.00 ft (KB) (TVD)

Reference Elevations: 1840.00 ft (KB)

Total Depth: 3084.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8700 Outside

Press@RunDepth: psig @ 3071.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.11.17 End Date: 2020.11.18

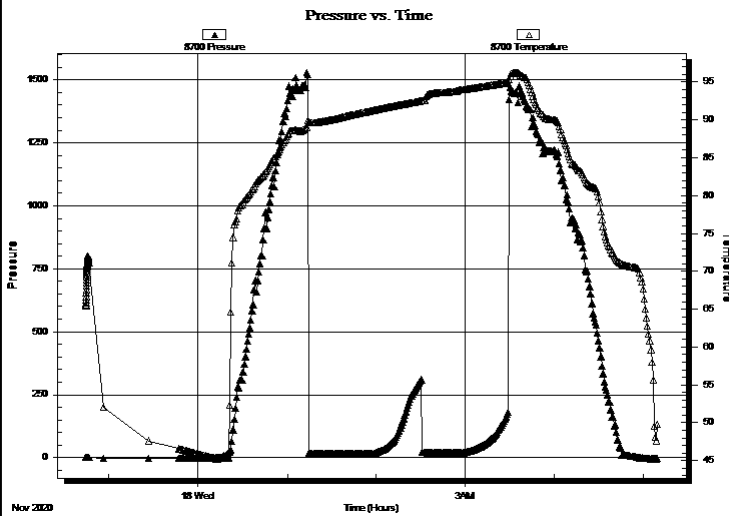
Last Calib.: 2020.11.18

Start Time: 22:44:26 End Time: 05:09:46

Time On Btm:

Time Off Btm:

TEST COMMENT: 45- IF- Slowly built to 0.94"
30- IS- No blow
30- FF- Surface blow
30- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	M	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59549

DST#: 2

ATTN: Jim Musgrove

Test Start: 2020.11.17 @ 22:43:55

Tool Information

Drill Pipe:	Length: 3071.00 ft	Diameter: 3.82 inches	Volume: 43.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 27000.00 lb
Depth to Top Packer:	3070.00 ft			Final 27000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3051.00	
Shut In Tool	5.00			3056.00	
Hydraulic tool	5.00			3061.00	
Packer	5.00			3066.00	20.00 Bottom Of Top Packer
Packer	4.00			3070.00	
Stubb	1.00			3071.00	
Recorder	0.00	6771	Inside	3071.00	
Recorder	0.00	8700	Outside	3071.00	
Perforations	10.00			3081.00	
Bullnose	3.00			3084.00	14.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59549

DST#: 2

ATTN: Jim Musgrove

Test Start: 2020.11.17 @ 22:43:55

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	M	0.213

Total Length: 15.00 ft Total Volume: 0.213 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

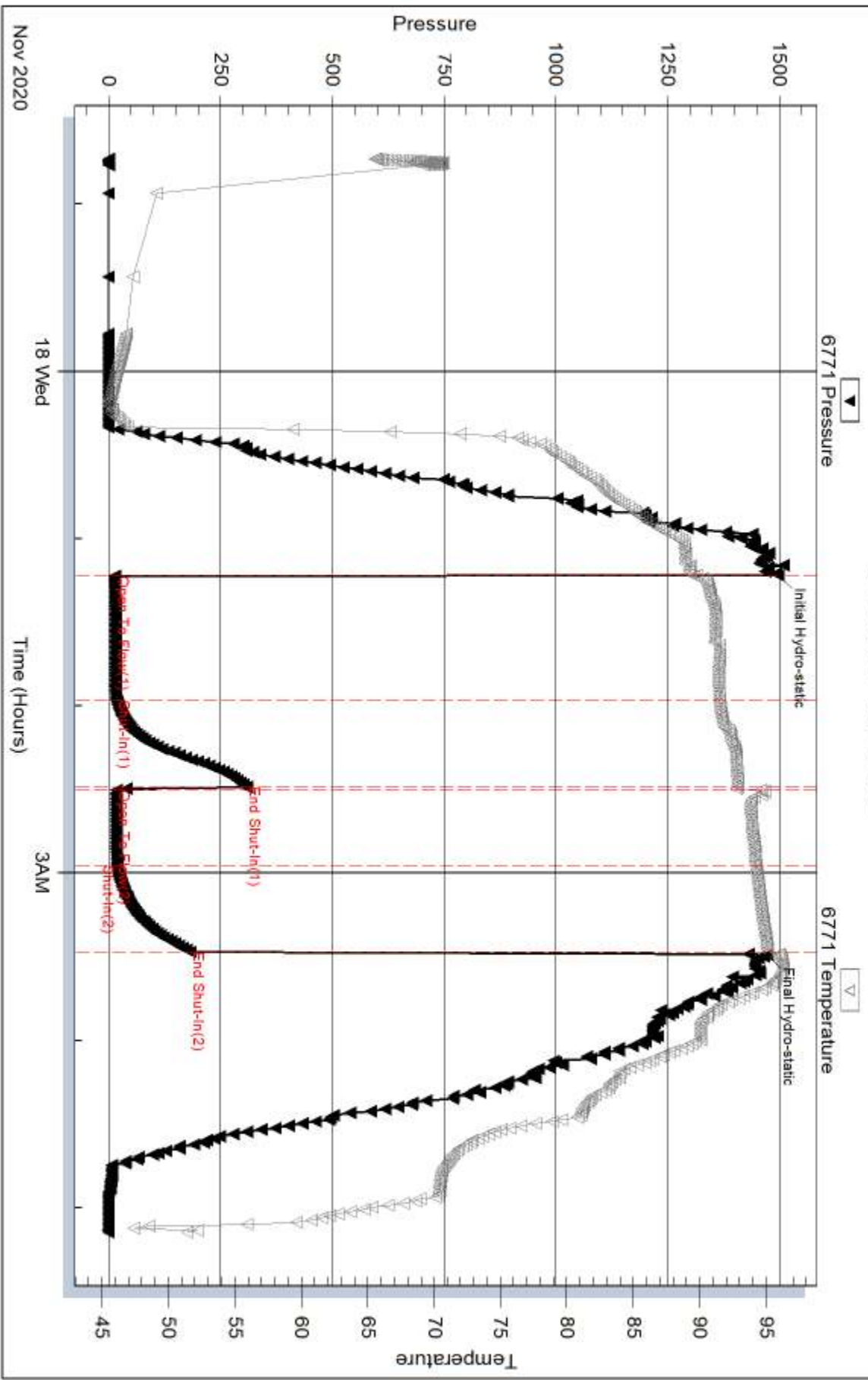
Serial #:

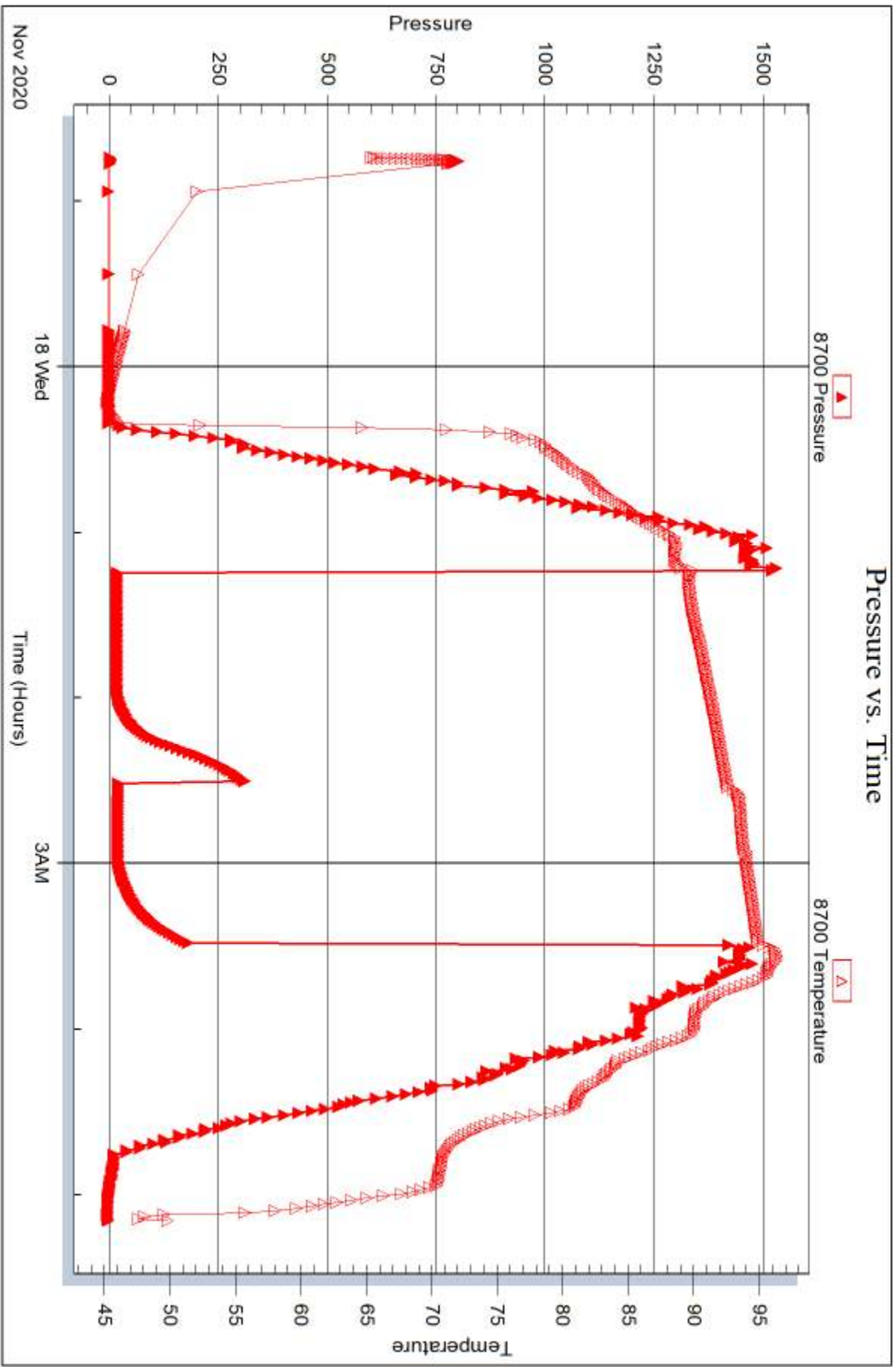
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations, Inc.**

8411 Preston Rd. Suite 800
Dallas, TX 75225

ATTN: Jim Musgrove

O'Leary #7

8-16S-11W Barton,KS

Start Date: 2020.11.19 @ 02:56:07

End Date: 2020.11.19 @ 10:21:43

Job Ticket #: 59550 DST #: 3

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

Printed: 2020.11.20 @ 08:27:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

8-16S-11W Barton,KS

O'Leary #7

Job Ticket: 59550

DST#: 3

Test Start: 2020.11.19 @ 02:56:07

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:04:13
 Tester: Brannan Lonsdale
 Time Test Ended: 10:21:43
 Unit No: 73
 Interval: **3250.00 ft (KB) To 3320.00 ft (KB) (TVD)**
 Reference Elevations: 1840.00 ft (KB)
 Total Depth: 3320.00 ft (KB) (TVD)
 1831.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 9.00 ft

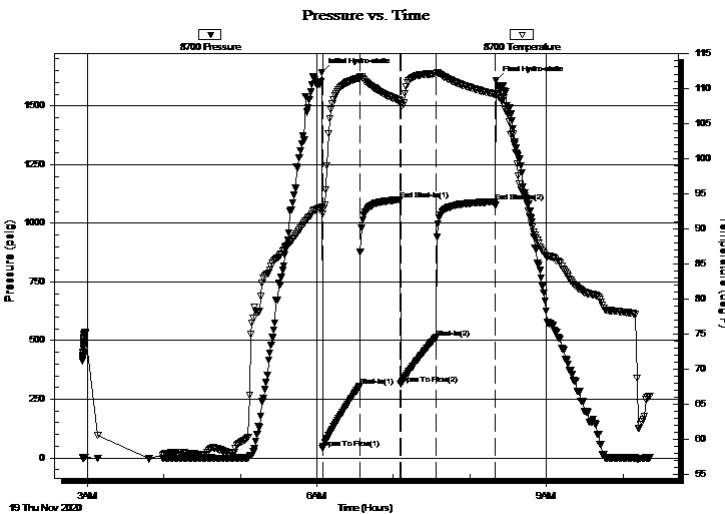
Serial #: 8700

Outside

Press@RunDepth: 512.57 psig @ 3251.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.11.19 End Date: 2020.11.19 Last Calib.: 2020.11.19
 Start Time: 02:56:08 End Time: 10:21:43 Time On Btm: 2020.11.19 @ 06:03:58
 Time Off Btm: 2020.11.19 @ 08:20:43

TEST COMMENT: 30- IF- BOB 2 mins. Built to 90.64"
 30- IS- No blow
 30- FF- BOB 4 mins. Built to 79.68"
 45- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.59	93.07	Initial Hydro-static
1	40.31	92.13	Open To Flow (1)
30	305.86	111.47	Shut-In(1)
62	1100.62	108.21	End Shut-In(1)
62	314.05	107.69	Open To Flow (2)
90	512.57	112.05	Shut-In(2)
136	1091.61	109.12	End Shut-In(2)
137	1607.09	109.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1120.00	MW, 10% M 90% W	15.88

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59550

DST#: 3

ATTN: Jim Musgrove

Test Start: 2020.11.19 @ 02:56:07

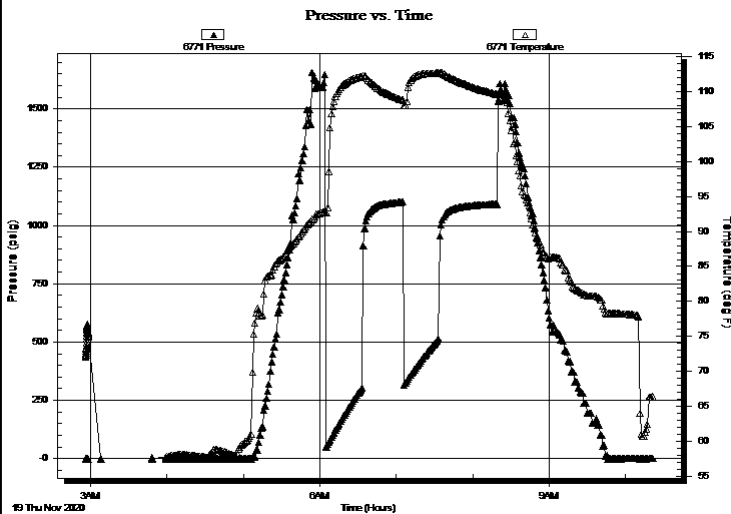
GENERAL INFORMATION:

Formation: Arbuckle			Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:	ft (KB)		Tester: Brannan Lonsdale
Time Tool Opened: 06:04:13			Unit No: 73
Time Test Ended: 10:21:43			Reference Elevations: 1840.00 ft (KB)
Interval: 3250.00 ft (KB) To 3320.00 ft (KB) (TVD)			1831.00 ft (CF)
Total Depth: 3320.00 ft (KB) (TVD)			KB to GR/CF: 9.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair		

Serial #: 6771 Inside

Press@RunDepth: psig @ 3251.00 ft (KB)	Capacity: 8000.00 psig	
Start Date: 2020.11.19	End Date: 2020.11.19	Last Calib.: 2020.11.19
Start Time: 02:56:15	End Time: 10:21:35	Time On Btm: _____
		Time Off Btm: _____

TEST COMMENT: 30- IF- BOB 2 mins. Built to 90.64"
30- IS- No blow
30- FF- BOB 4 mins. Built to 79.68"
45- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1120.00	MW, 10% M 90% W	15.88

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59550

DST#: 3

ATTN: Jim Musgrove

Test Start: 2020.11.19 @ 02:56:07

Tool Information

Drill Pipe:	Length: 3259.00 ft	Diameter: 3.82 inches	Volume: 46.20 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 29000.00 lb
Depth to Top Packer:	3250.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3231.00	
Shut In Tool	5.00			3236.00	
Hydraulic tool	5.00			3241.00	
Packer	5.00			3246.00	20.00 Bottom Of Top Packer
Packer	4.00			3250.00	
Stubb	1.00			3251.00	
Recorder	0.00	6771	Inside	3251.00	
Recorder	0.00	8700	Outside	3251.00	
Perforations	2.00			3253.00	
Change Over Sub	1.00			3254.00	
Drill Pipe	62.00			3316.00	
Change Over Sub	1.00			3317.00	
Bullnose	3.00			3320.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

8-16S-11W Barton,KS

8411 Preston Rd. Suite 800
Dallas, TX 75225

O'Leary #7

Job Ticket: 59550

DST#: 3

ATTN: Jim Musgrove

Test Start: 2020.11.19 @ 02:56:07

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:

15000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1120.00	MW, 10% M 90% W	15.876

Total Length: 1120.00 ft Total Volume: 15.876 bbl

Num Fluid Samples: 0

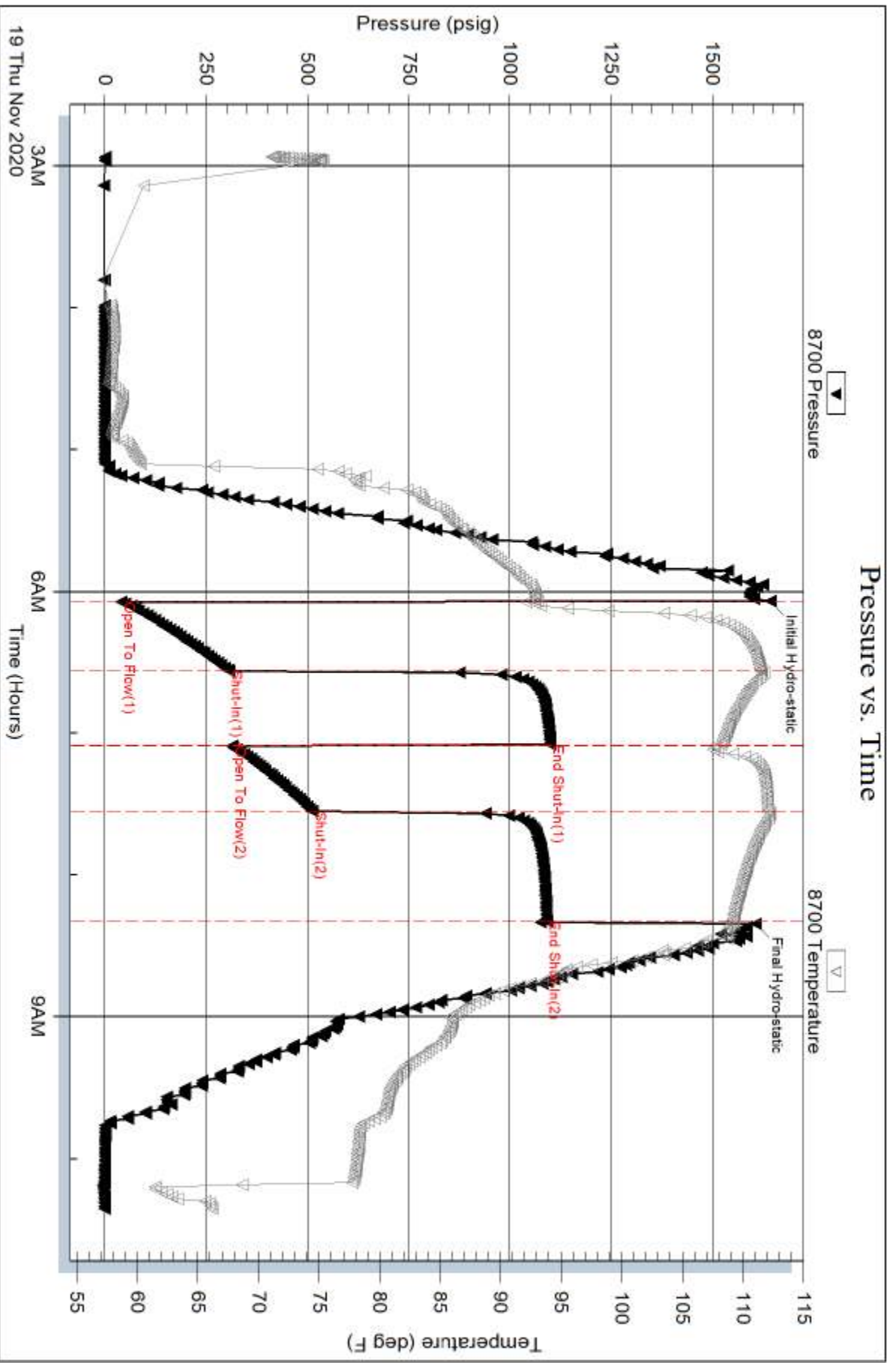
Num Gas Bombs: 0

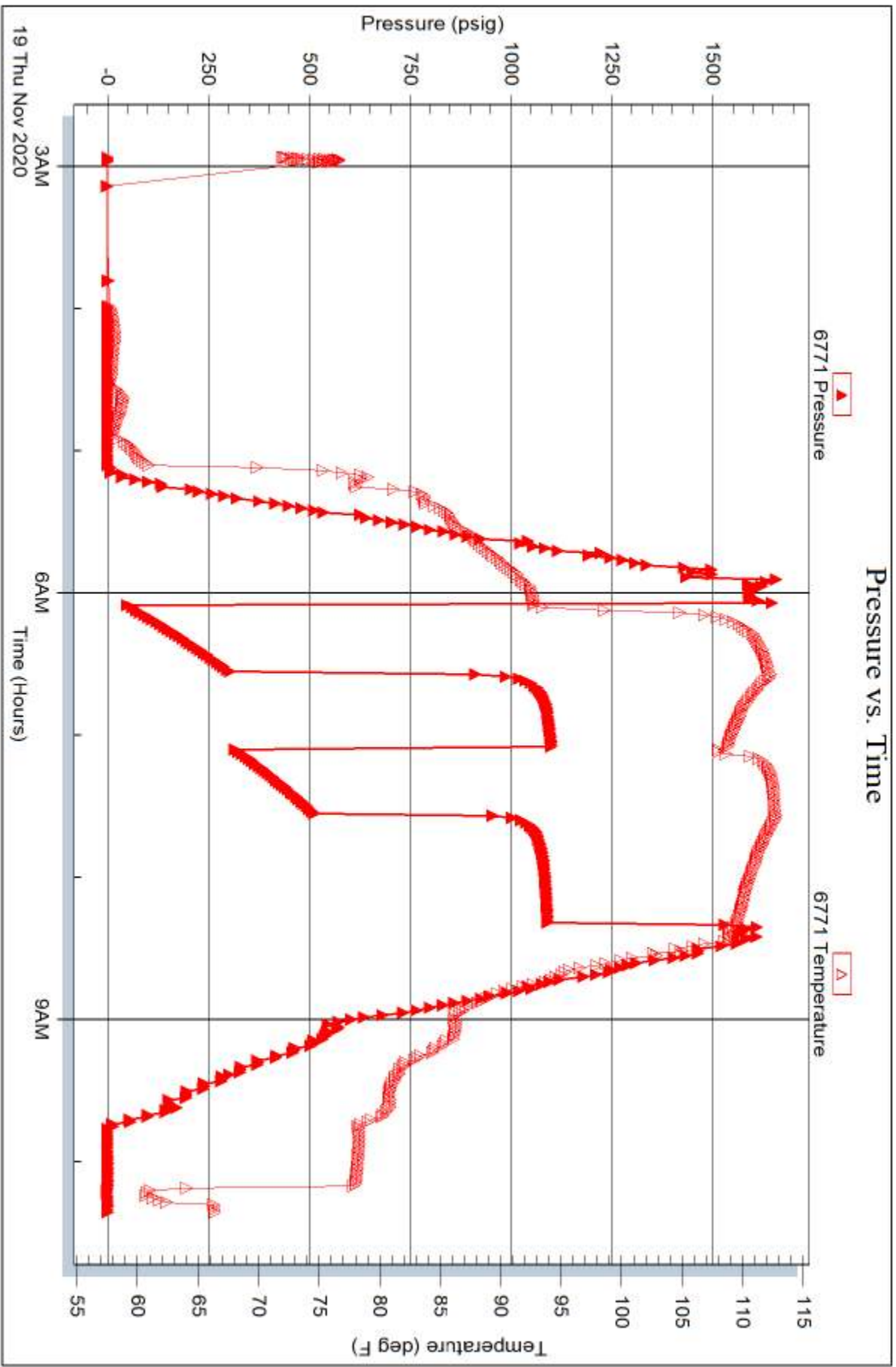
Serial #:

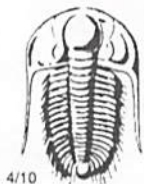
Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .50@64deg







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59548

Well Name & No. O'Leary #7 Test No. 1 Date 11/17/20
 Company Mai Oil Operations, Inc. Elevation 1840 KB 1831 GL
 Address 8411 Preston Rd., Suite 800 Dallas, TX 75225
 Co. Rep / Geo. Jim Musgrove Rig Southwind
 Location: Sec. 8 Twp. 1E S Rge. 11 W Co. Barton State KS

Interval Tested 2996-3056 Zone Tested _____
 Anchor Length 60' Drill Pipe Run 3009 Mud Wt. 9.0
 Top Packer Depth 2991 Drill Collars Run _____ Vis 56
 Bottom Packer Depth 2996 Wt. Pipe Run _____ WL 7.2
 Total Depth 3056 Chlorides 7,100 ppm System LCM 1#

Blow Description IF - Slowly built to 0.27" 27"
ISF - No blow
FF - Surface blow
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>M</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 10' BHT 94° Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1459</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>1015'</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars _____	T-Started <u>1036</u>
(C) First Final Flow <u>18</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>1251</u>
(D) Initial Shut-In <u>37</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1451</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1612</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>104RT</u> 104	Comments _____
(G) Final Shut-In <u>25</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1437</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1304</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1304</u>	

Approved By _____ Our Representative Brannon Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59549

Well Name & No. O'Leary #7 Test No. 2 Date 11/18/20
 Company Mai Oil Operations, Inc. Elevation 1840 KB 1831 GL
 Address 8411 Preston Rd. Suite 800 Dallas, TX 75225
 Co. Rep / Geo. Jim Musgrove Rig Southwind
 Location: Sec. 8 Twp. 16 S Rge. 11 W Co. Barton State KS

Interval Tested 3070 - 3084 Zone Tested _____
 Anchor Length 14' Drill Pipe Run 3071 Mud Wt. 2.0
 Top Packer Depth 3065 Drill Collars Run _____ Vis 56
 Bottom Packer Depth 3070 Wt. Pipe Run _____ WL 2.2
 Total Depth 3084 Chlorides 7,100 ppm System LCM 1#

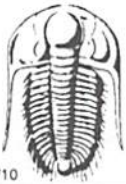
Blow Description IF - Slowly built to 0.94"
IST - No blow
PF - Surface blow
PST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>M</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 15' BHT 95° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1498 Test 1200 T-On Location 2220
 (B) First Initial Flow 14 Jars _____ T-Started 2244
 (C) First Final Flow 17 Safety Joint _____ T-Open 0113
 (D) Initial Shut-In 309 Circ Sub _____ T-Pulled 0328
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 0509
 (F) Second Final Flow 18 Mileage 104 RT Comments _____
 (G) Final Shut-In 183 Sampler _____
 (H) Final Hydrostatic 1473 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1304
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1304

Approved By _____ Our Representative Brian Lonsdale
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59550

Well Name & No. O'Leary #7 Test No. 3 Date 11/19/20
 Company Mai Oil Operations, Inc. Elevation 1840 KB 1831 GL
 Address 8411 Preston Rd., Suite 800 Dallas, TX 75225
 Co. Rep / Geo. Tom Musgrove Rig Southwind
 Location: Sec. 8 Twp. 16 S Rge. 11 W. Co. Barton State KS

Interval Tested 3250-3370 Zone Tested Arbuckle
 Anchor Length 20' Drill Pipe Run 3259 Mud Wt. 8.95
 Top Packer Depth 3245 Drill Collars Run — Vis 52
 Bottom Packer Depth 3250 Wt. Pipe Run — WL 8.8
 Total Depth 3370 Chlorides 7900 ppm System LCM 1#
 Blow Description IF-BOB 2 mins. Build to 90.64"
ISI- No blow
FF-BOB 4 mins. Build to 79.68"
FSI- No blow

Rec	Feet of	%gas	%oil	%water	%mud
1120	MW			90	10

Rec Total 1120 BHT 109° Gravity — API RW .50 @ 64° F Chlorides 15,000 ppm
 (A) Initial Hydrostatic 1643 Test 1200 T-On Location 0233
 (B) First Initial Flow 40 Jars — T-Started 0256
 (C) First Final Flow 306 Safety Joint — T-Open 0604
 (D) Initial Shut-In 1101 Circ Sub — T-Pulled 0819
 (E) Second Initial Flow 314 Hourly Standby — T-Out 1021
 (F) Second Final Flow 513 Mileage 104 RT Comments —
 (G) Final Shut-In 1092 Sampler —
 (H) Final Hydrostatic 1607 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1304
 Accessibility — MP/DST Disc't —
 Sub Total 1304

Approved By _____ Our Representative Braman Lonsdale

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.



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: 11/14/2020
 Invoice # 2074

P.O.#:

Due Date: 12/14/2020

Division: *Russell*

Invoice

Contact:

Mai Oil Operations

Address/Job Location:

8411 Preston Rd. Ste 800
 Dallas TX 75225-5520

Reference:

O LEARY 7 SEC 8-16-11

Description of Work:

SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 596.53	No				
Common-Class A	132	\$ 1,818.07	Yes				
POZ Mix-Standard	88	\$ 411.86	Yes				
Calcium Chloride	10	\$ 374.42	Yes				
Bulk Truck Matl-Material Service Charge	234	\$ 156.45	No				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 84.24	No				
Premium Gel (Bentonite)	4	\$ 77.56	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 65.52	No				

Invoice Terms:

Net 30

SubTotal: \$ 3,584.66

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (89.62)

SubTotal for Taxable Items: \$ 2,614.86

SubTotal for Non-Taxable Items: \$ 880.18

Total: \$ 3,495.04

Tax: \$ 196.11

7.50% Barton County Sales Tax

Amount Due: \$ 3,691.15

Applied Payments:

Balance Due: \$ 3,691.15

Thank You For Your Business!

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. 2074

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1/14/2020	8	16	11	Barton	Kansas		7:30 AM

Location Debuque 1S 2 1/2 E Sinto

Lease	Well No.	Owner	
O'Leary	7	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 Rig #3			
Type Job			
Surface			
Hole Size	T.D.	Charge To	
12 1/4	429-3	Ma' Oil	
Csg.	Depth	Street	
8 5/8	429.51		
Tbg. Size	Depth	City	
		State	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered	
15'	15'	220 60% 4% cc 2% gel	
Meas Line	Displace		
	26.25		

EQUIPMENT

Pumptrk	No.	Cementer Helper	Common
5		Nick	132
Bulktrk	No.	Driver	Poz. Mix
9		Tom	88
Bulktrk	No.	Driver	Gel.
Pu.		David	4
			Calcium
			10

JOB SERVICES & REMARKS

Remarks:	Hulls
	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
	Handling 234
Ran 8 5/8 and est circulation	Mileage
Cemented 8 5/8 with 220 s/s	

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Cement Did Circulate

Pumptrk Charge Surface

Mileage 28

X Signature *Frank Rana*

Thanks
[Signature]

Tax	
Discount	
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: 11/19/2020
 Invoice # 2076

P.O.#:

Due Date: 12/19/2020

Division: Russell

Invoice

Contact:

Mai Oil Operations
 Address/Job Location:

8411 Preston Rd. Ste 800
 Dallas TX 75225-5520

Reference:

O LEARY 7 SEC 8-16-11

Description of Work:

PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 596.53	Yes				
Common-Class A	144	\$ 1,983.35	Yes				
POZ Mix-Standard	96	\$ 449.30	Yes				
Premium Gel (Bentonite)	9	\$ 174.51	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 166.48	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 84.24	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 65.52	Yes				
Dry Hole Plug	1	\$ 56.16	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,576.10

Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (89.40)

SubTotal for Taxable Items: \$ 3,486.70

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,486.70

Tax: \$ 261.50

7.50% Barton County Sales Tax

Amount Due: \$ 3,748.20

Applied Payments:

Balance Due: \$ 3,748.20

Thank You For Your Business!

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. 2076

Date	11-19-2020	Sec.	8	Twp.	16	Range	11	County	Barton	State	Kansas	On Location		Finish	4:45 PM
								Location Debuque 1S 2 1/2 E Sinto							

Lease	O'Leary	Well No.	7	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 Rig 3				
Type Job	plug				
Hole Size	7 7/8	T.D.	3720'	Charge To	Main oil
Csg.		Depth		Street	
Tbg. Size	Drill pipe	Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered 240 4% 4% gel 1/4 # Flow	

Meas Line	Displace					
EQUIPMENT						
Pumptrk	16	No.	Cement Helper	Tim	Common	144
Bulktrk	14	No.	Driver	Doug	Poz. Mix	96
Bulktrk	PK	No.	Driver	David	Gel.	9
						Calcium

JOB SERVICES & REMARKS					
Remarks:	Salt				
Rat Hole	Flowseal 60 #				
Mouse Hole	Kol-Seal				
Centralizers	Mud CLR 48				
Baskets	CFL-117 or CD110 CAF 38				
D/V or Port Collar	Sand				
	Handling 249				
3292' - 50 sks	Mileage				

FLOAT EQUIPMENT					
730' - 50 sks	Guide Shoe				
475' - 100 sks	Centralizer				
40' - 10 sks	Baskets				
	AFU Inserts				
	Float Shoe				
	Latch Down				
Rat hole 30 sks	8 5/8 Dry hole plug				
Cement Did Circulate	Pumptrk Charge plug				
	Mileage 28				
Tax					
Discount					
Total Charge					

X Signature *Mark J. Rouse*

Thanks
[Signature]