

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--



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

Well Name: MG #1
Well Id:
Location: SW NE SW SE Section 34, T15S, R12W
License Number: 31385
Spud Date: 11/19/2021
Surface Coordinates:
Region: Russell
Drilling Completed: 11/26/2021

Bottom Hole
Coordinates:
Ground Elevation (ft): 1857' K.B. Elevation (ft): 1864
Logged Interval (ft): 2640 To: 3368' Total Depth (ft): 3368'
Formation: Arbuckle
Type of Drilling Fluid: Chemical mud

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

OPERATOR

Company: MG Oil Inc
Address: P.O. Box 162
Russell, Ks 67665

GEOLOGIST

Name: Chad Counts
Company: MG Oil Inc.
Address: P.O. Box 162
Russell, Ks 67665

Comments

MG #1 was drilled with Pickerell Drilling tools beginning 11/19/21 and completed 11/26/21.

Structurally, the well ran similar to seismic prognosis to the BKC, and was low at the Arbuckle, where up to 17' of karsted interval was observed. While the LKC was structurally favorable, drill stem tests confirmed depleted reservoirs. Owing to negative DST's, and low Arbuckle structure, it was agreed upon by all parties to plug and abandon the MG #1.

Respectfully submitted,

Chad Counts

GENERAL INFORMATION:

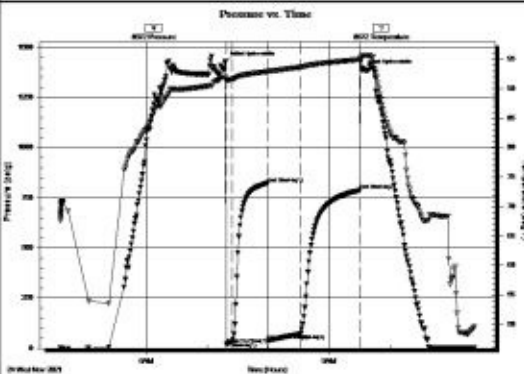
Formation: Toronto Douglas
Deviated: No Whipstock: 1852.00 ft (KB)
Time Tool Opened: 07:18:17
Time Test Ended: 11:23:02
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69
Interval: 2918.00 ft (KB) To 2982.00 ft (KB) (TVD)
Total Depth: 2982.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Good
Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8672

Inside

Press@RunDepth: 70.84 psig @ 2921.00 ft (KB)
Start Date: 2021.11.24
Start Time: 04:35:01
End Date: 2021.11.24
End Time: 11:23:02
Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2021.11.24 @ 07:17:47
Time Off Btm: 2021.11.24 @ 09:33:32

TEST COMMENT: F: 5 min., weak surface blow , 2 inches
 IS: 35 min., No blow back
 FF: 30 min., strong building blow , 9.4 inches
 FS: 50 min., No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1428.35	91.89	Initial Hydro-static
1	19.98	91.28	Open To Flow (1)
7	31.44	91.63	Shut-in(1)
41	822.88	92.90	End Shut-in(1)
42	38.77	92.82	Open To Flow (2)
74	70.84	93.66	Shut-in(2)
133	787.75	94.99	End Shut-in(2)
136	1388.73	95.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
115.00	oil spotted mud 100%M	0.57

Gas Rates

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

GENERAL INFORMATION:

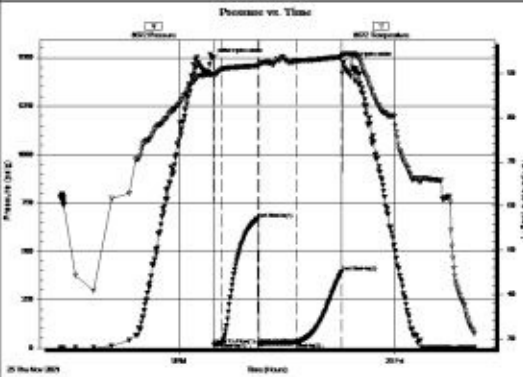
Formation: **Lansing A-C**
 Deviated: No Whipstock: 1852.00 ft (KB)
 Time Tool Opened: 21:29:17
 Time Test Ended: 01:07:02
 Interval: **3012.00 ft (KB) To 3065.00 ft (KB) (TVD)**
 Total Depth: 3065.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Hagman
 Unit No: 69
 Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8672

Inside
 Press@RunDepth: 28.41 psig @ 3014.00 ft (KB) Capacity: psig
 Start Date: 2021.11.25 End Date: 2021.11.26 Last Calib.: 1899.12.30
 Start Time: 19:21:01 End Time: 01:07:02 Time On Btrc: 2021.11.25 @ 21:28:47
 Time Off Btrc: 2021.11.25 @ 23:16:47

TEST COMMENT: F: 5 min., weak surface blow , .7 inches
 IS: 30 min., No blow back
 FF: 30 min., weak surface blow , .45 inches
 FS: 30 min., No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.87	89.80	Initial Hydro-static
1	19.07	89.28	Open To Flow (1)
8	29.60	90.97	Shut-In(1)
38	668.33	91.72	End Shut-In(1)
38	22.96	91.64	Open To Flow (2)
70	28.41	92.81	Shut-In(2)
108	393.95	93.76	End Shut-In(2)
109	1474.89	94.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (MB)
10.00	100% mud	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)

GENERAL INFORMATION:

Formation: **KC 'H-J'**
 Deviated: No Whipstock: 1852.00 ft (KB)
 Time Tool Opened: 16:10:32
 Time Test Ended: 20:26:02

Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Webster
 Unit No: 72

Interval: **3152.00 ft (KB) To 3225.00 ft (KB) (TVD)**
 Total Depth: 3225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8365 **Inside**

Press@RunDepth: 117.99 psig @ 3153.00 ft (KB)
 Start Date: 2021.11.25 End Date: 2021.11.25 Capacity: psig
 Last Calib.: 2021.11.25
 Start Time: 14:20:01 End Time: 20:26:02 Time On Btrc: 2021.11.25 @ 16:10:17
 Time Off Btrc: 2021.11.25 @ 17:56:17

TEST COMMENT: F- WSB built to 1" 5 min
 IS- No returns 20 min
 FF- WSB built to 8" 45 min
 FSI- No returns 30 min

Pressure vs. Time

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.83	89.45	Initial Hydro-static
1	54.02	89.17	Open To Flow (1)
8	78.31	90.20	Shut-In(1)
28	733.34	91.09	End Shut-In(1)
29	76.99	90.83	Open To Flow (2)
70	117.99	92.97	Shut-In(2)
105	697.31	94.46	End Shut-In(2)
106	1545.98	94.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (Mb)
90.00	100% Mud TR Oil	0.44
57.00	TR Oil 40% Water 60% Mud	0.55

Gas Rates

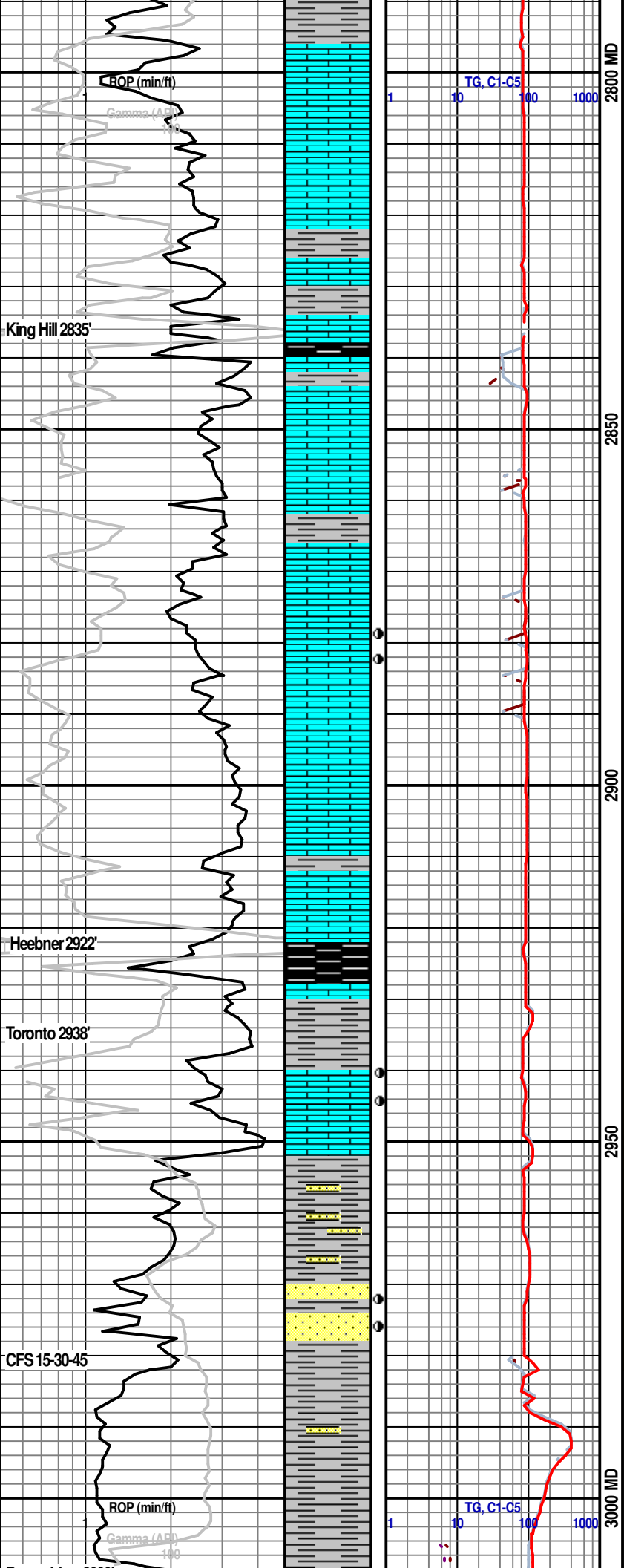
	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)

ROCK TYPES

	Anhy		Coal		Igne		Mrlst		Shgy
	Bent		Oolitic limestone		Dark grey shale		Salt		Sltst
	Brec		Congl		Black shale		New symbol		Ss
	Cht		Dol		Lmst		Shale		Till
	Clyst		Gyp		Meta		Schol		

OTHER SYMBOLS

POROSITY	<input type="checkbox"/> Vuggy	ROUNDING	<input type="checkbox"/> Spotted
<input type="checkbox"/> Earthy	SORTING	<input type="checkbox"/> Rounded	<input type="checkbox"/> Ques
<input type="checkbox"/> Fenest	<input type="checkbox"/> Well	<input type="checkbox"/> Subrnd	<input type="checkbox"/> Dead
<input type="checkbox"/> Fracture	<input type="checkbox"/> Moderate	<input type="checkbox"/> Subang	EVENT
<input type="checkbox"/> Inter	<input type="checkbox"/> Poor	<input type="checkbox"/> Angular	<input type="checkbox"/> Rft
<input type="checkbox"/> Moldic		OIL SHOW	<input type="checkbox"/> Sidewall
<input type="checkbox"/> Organic		<input type="checkbox"/> Even	
<input type="checkbox"/> Pinpoint			
			INTERVAL
			<input type="checkbox"/> Core
			<input type="checkbox"/> Dst overlap
			<input type="checkbox"/> Dst



2800 MD
 Ls, cream, grey, brown, micro-fn xln, occ. fossil frag, poor vis por, mod marl, NSFOC.

2820 smp: Ls: tan-cream, micro xln, mod marl, occ. fossil frag, NSFOC.

2830 smp: Ls, grey, cream, brown, micro xln-vfxln, abndnt fossil frag, fusulinids, bivalves, no cis por, NSFOC.

2840 smp: Ls, grey, cream, micro xln, hvly mottled w/plant mat, abndnt fossil frag, mod cemented, no vis por, NSFOC.

2850 smp: Ls, cream, grey, micro xln, mod marl, few mottled w/plant matter, no vis por, NSFOC. Trc Black shale.

2860 smp: Ls, grey, crem, micro xln, occ. oolitic, 250-350 microns, well std, no vis dissolution, mod marl, NSFOC.

2870smp: Ls oolitic a/a (no secondary por), majority micro xln, dense, no vis por, mod arg, NSFOC.

2880 smp: Ls, grey, buff, micro xln, mod arg, no vis por, NSFOC. Trc black chert with fossil inclusions.

2890 smp: Ls, oolitic, partial secondary porosity, poorly scatterd grains ranging up to 500 microns, ssfo-fsfo, scattered sat in por, good odor.

2900 smp: Ls, oolitic, sl. less secondary por than above, sl more marl, ssfo, scattered stain, fair odor.

2910 smp: Ls, cream, white, micro xln, poor-no vis por, rare oolitic aa w/scat por and stain, slight odor in sample, ssfo. Trc green reduced shale, sub platy

2920 smp: Ls, cream, grey, lt brown, micro xln, occ. foss frag, no vis por, NSFOC. Abndnt grey platy shale, brittle, non carb.

2930 smp: Ls, cream, micro xln, poor-no vis por, occ rare edgy oil stain along fract, no show free oil, no odor.

2940 smp: flood black shale, firm, very platy, carbonaceous, sl calc. Ls: cream, tan, abndnt fossil frag, arg, no vis por, litho tex, NSFOC.

2950 smp: lt grey shale, very soft mushy, smooth. Ls, cream, micro xln, no vis por, NSFOC.

2960-Toronto por-tan, vf xln, scattered micro vuggy por, even lt brown stain, vssfo, very strong odor, immediate fast streaming cut.

2970- Toronto: ls, lt brown-tan, vfxln, scattered pp por, mostly tight, even oil stain, slight show free oil on crush, fair odor. Abndnt shale, red, grey, lt green,

2982 smp: grey shale smooth, soft mush to gritty and sandy, micaceous, vfg, very shaly, poor vis por, no vis show.

-2982-30"-Douglas ss, grey-white, sl micaceous, well std, poorly consolidated, fair ingl por, spotty-even oil stain, fast streaming cut, fair-good odor.

-3010smp: Shale, med grey, lt grey, maroon, sub platy, soft-firm, non silty, non calc.

-3020 smp: shale dove grey few maroon, sub platy-non platy, non calcareous.

-3030smp: Ls, grey brown, micro xln, dense, abndnt fossil

MW 8.5
 VIS 56
 2# LCM

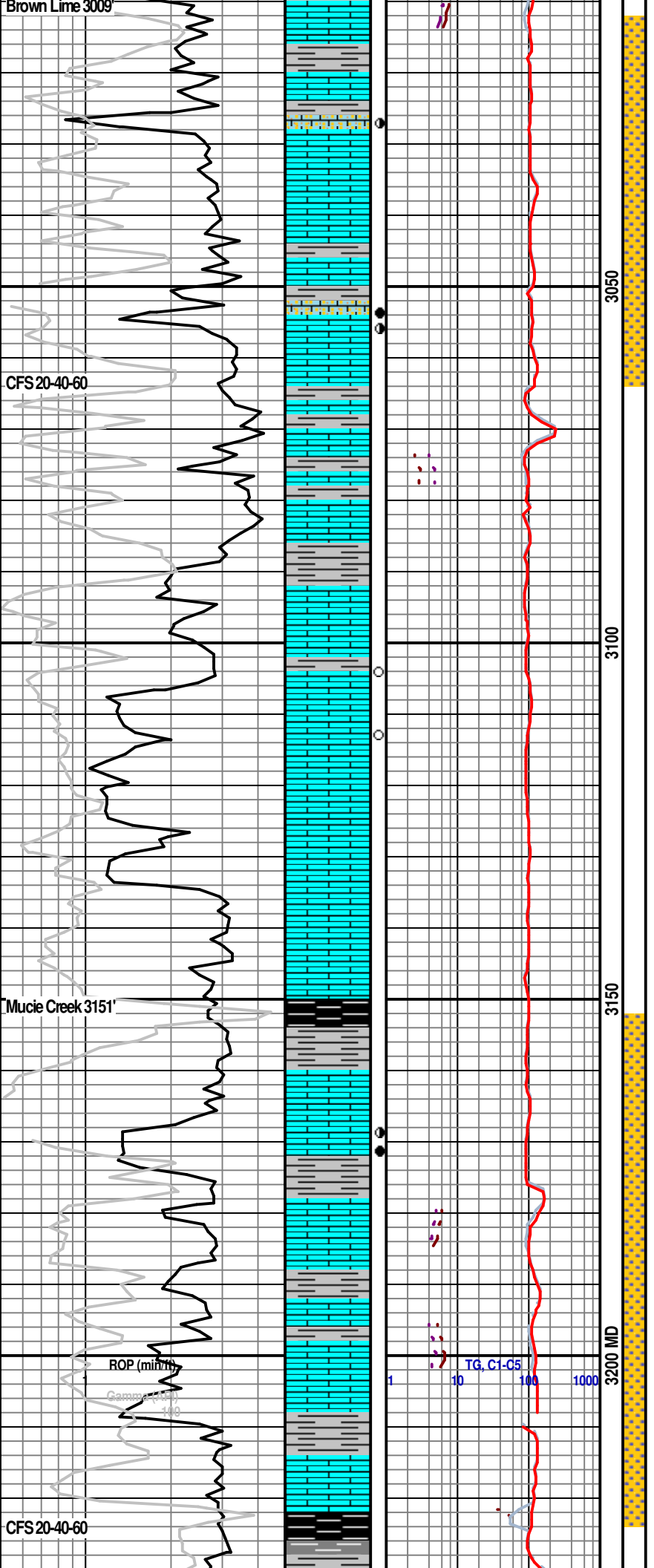
MW 8.8
 VIS 52
 2# LCM

DST #1
 Toronto-Douglas ss
 2918-2982'
 5-35-30-50
 IFF:19-31
 ISIP:823psi
 FFP: 38-70psi
 FSIP:788psi
 Rec 115' OSM (collars, .57bb)

MW 9.6
 VIS 52
 2# LCM

MW 9.1
 Vis 52
 1# LCM

2800 MD
 2850
 2900
 2950
 3000 MD



frag (fusulinids), no vis por, no show free oil, very faint odor.

3040smp: Lans A por: Oomoldic, 250-350microns, brown-white, honeycomb frame structure, poor int ptcl por, partial ooid dissolution, fair patchy stain, ssfo, scat sat, good odor.

3050 smp: Lans A por A/A. Most Ls, white, cream, micro xln, occ fossil frag, no vis por, NSFOC. Fair odor in cup.

3060 smp: Lans C por: Oolitic ls, lt brown, partial oomoldic, w/occ inter oolitic dissolution, 250-350 microns, fair show free oil, fair streaming cut, fair-good odor, 25% tight (no secondary por.).

3080: Ls: cream, tan, micor xln, no vis por, occ. fossil fragment, NSFOC. Grys shale, platy, firm, non carb,

3090 smp: Ls, cream, micro xln, no vis por, occ fossli fragments, sl. cherty, NSFOC. Trc med grey shale.

3100 smp: Ls: cream, brown, fossil hash and oolitic limestone (250 microns), no vis secondary por, dense, faint odor, NSFOC. Trc black platy shale.

3110 smp: Ls, cream, brown, abndnt fossil frag, poor-no vis por, sl cherty, NSFOC.

3120 spr: Ls, oolitic and fossil hash, 4 cuttings w poor fair secondary por, vssfo, faint odor, most dense.

3130smp: Oolitic Ls: tan-white, well std, oomoldic, 350-500microns, few cuttings with ingl por and vssfo, faint-fair odor.

3140 smp: cream, white, oolitic ls, oomoldic, well std, good poorly connected por, 350-500 microns, NSFOC.

3150 smp: cream, lt grey, white, oolitic a/a, svl dense micro xln, no vis por, NSFOC.

3160 smp: Ls grey-cream, microxln, no vis por, very dense, sl arg, NSFOC.

3170 smp: Black shale, firm, platy, carb. Sh, grey-med grey, platy, mod carb. Ls, grey, cream, micro xln, occ fossil frag, NSFOC.

3180 smp: KC H Porosity: oomoldic ls, 350-500 microns, white, dense, poor vis conn por, good oomoldic por, scattered oil stain and ssfo, 50-75% barren, faint-fair odor.

3190 smp: KC H and I por: oomoldic Ls, 400-500 microns, excellent porosity, questionable connectivity, good show free oil, 50% saturated, good odor.

3200smp: KC I: oomoldic and oolcasti porosity, most ooids in place, fair int clast porosity, fair-gsfo, fair odor.

3210smp: Oolitic ls and fossiliferous grainstone made up of primarily fusulinids, fair int clast porosity, fsfo, fair-good odor, 25% cuttings barren.

3220 smp: J porosity: oomoldic, questionable connectivity, 50% barren, fair show free oil, fair-good odor.

3225' smp: Ls, cream, brown, grey, micro xln, dense, occ grainstone w/no secondary por, NSFOC. Trc grey and black shale.

3240 smp: Ls, buff, grey, micro xln, hvy argillaceous, occ. mottled plant mat. Abndnt grey and dk grey ss shale, calcareous, sl. carb, occ. soft, sub platy.

DST #2
3012-3065'
Lansing A-C
IFP 19-29
ISIP 668psi
FFP 23-28
FSIP 394psi
Rec 10'M

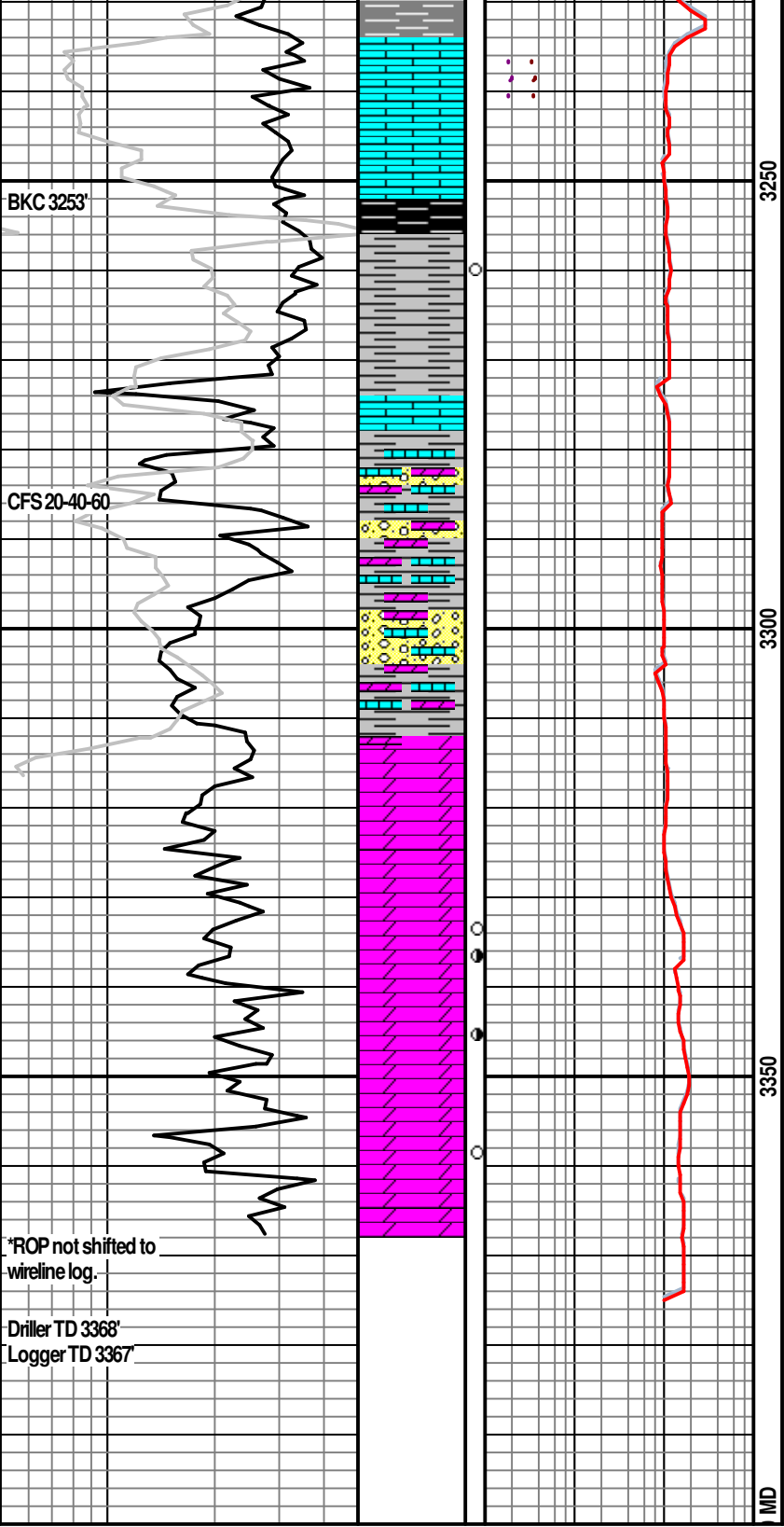
MW 9.0
VIS 52
1# LCM

MW 9.1
VIS 57
1# LCM

MW 9.2
VIS 54
1# LCM

DST #3
3152-3225'
KC H-J
5-20-45-30
IFP 54-78
ISIP 733psi
FFP 76-117
FSIP 697psi
Rec 90' OSM
57' MCW (40% W)

MW 9.1
VIS 56
1# LCM



3250 smpl: Ls, cream, grey, micro xln, no vis por NSFOC. Abdnt grey-dk green grey shale, non platy, blocky. Fair odor in sample, no show free oil.

3260 smpl: Ls buff, grey, mod arg, very dense, sl. marl, NSFOC.

3270 smpl: Ls, cream, buff, grey, mod arg, micro xln, r fine xln w/vsfo (2 cuttings), no vis por, very faint odor.

3280 Smpl: Ls cream, grey, micro xln, tight, no vis por, NSFOC. Shale, med grey, sub platy.

3284 Ls cream, grey, arg, micro xln, no vis por NSFOC.

3284 (40MIN)-Shale, light grey, soft, mushy.

3300 smpl: Ls, cream, grey, micro xln, no vis por, dense. Trc fossiliferous grey chert.

3304' (20minute) Erosional ar buckle, trace dolomit, vfx, poor por, dead stain. Chert white, translucent. Shale: teal

3304' (40 min') limestone and dolomite, minimal por, rare dead oil stain, no free oil. Abdnt chert, white, translucent. Abdnt shales.

3310' smpl: Dolomite: buff, micro xln, poor inxl por, sl cherty, NSFOC.

3320 smpl: Dolomite: cream, buff, grey, few oolitic, poor-fair inxl por, sl. cherty, NSFOC. Pos sl odor.

3330 smpl: Dolo: buff-grey, micro xln, occ fn xln, poor vis por. occ ool, sl cherty, NSFOC.

3340 smpl: Dolomite: white, med-coarse xln, fair-good inxl por, very sl. spotted even oil stain, svrl w/pyrite and green stain, sl. oil/sulfur odor. NSFO.

3350: Dolomite: A.A, few w/ large vuggy por, sl. stain, NSFOC.

3360: Dolomite: white, coarse xln, spotty oil stain, trace of free oil, mod oil and sulfur odor.

3368 smpl: Dolomite: a/a, sl more pyrite, sl marl.

MW 9.0
VIS 65
3# LCM

MW 9.0
VIS 65
3# LCM



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

MG Oil Inc.
P.O. Box 162
Russell, KS 67665
ATTN: Chad Counts

34/15/12
MG 1
Job Ticket: 67826 **DST#: 1**
Test Start: 2021.11.24 @ 04:35:00

GENERAL INFORMATION:

Formation: **Toronto Douglas**
 Deviated: No Whipstock: 1852.00 ft (KB)
 Time Tool Opened: 07:18:17
 Time Test Ended: 11:23:02
 Interval: **2918.00 ft (KB) To 2982.00 ft (KB) (TVD)**
 Total Depth: 2982.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Hagman
 Unit No: 69
 Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
 KB to GR/CF: 8.00 ft

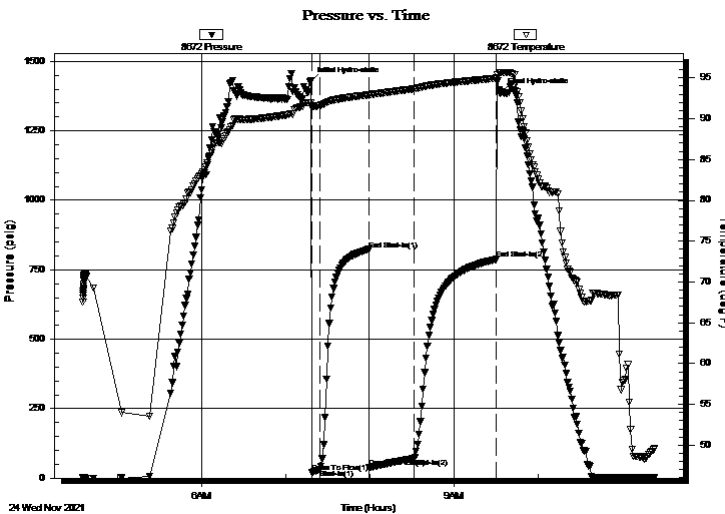
Serial #: 8672

Inside

Press@RunDepth: 70.84 psig @ 2921.00 ft (KB) Capacity: psig
 Start Date: 2021.11.24 End Date: 2021.11.24 Last Calib.: 1899.12.30
 Start Time: 04:35:01 End Time: 11:23:02 Time On Btm: 2021.11.24 @ 07:17:47
 Time Off Btm: 2021.11.24 @ 09:33:32

TEST COMMENT: IF: 5 min., weak surface blow, 2 inches
 IS: 35 min., No blow back
 FF: 30 min., strong building blow, 9.4 inches
 FS: 50 min., No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1428.35	91.89	Initial Hydro-static
1	19.98	91.28	Open To Flow (1)
7	31.44	91.63	Shut-In(1)
41	822.88	92.90	End Shut-In(1)
42	38.77	92.82	Open To Flow (2)
74	70.84	93.66	Shut-In(2)
133	787.75	94.99	End Shut-In(2)
136	1388.73	95.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	oil spotted mud 100%M	0.57

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

MG Oil Inc.
 P.O. Box 162
 Russell, KS 67665
 ATTN: Chad Counts

34/15/12
MG 1
 Job Ticket: 67826 **DST#: 1**
 Test Start: 2021.11.24 @ 04:35:00

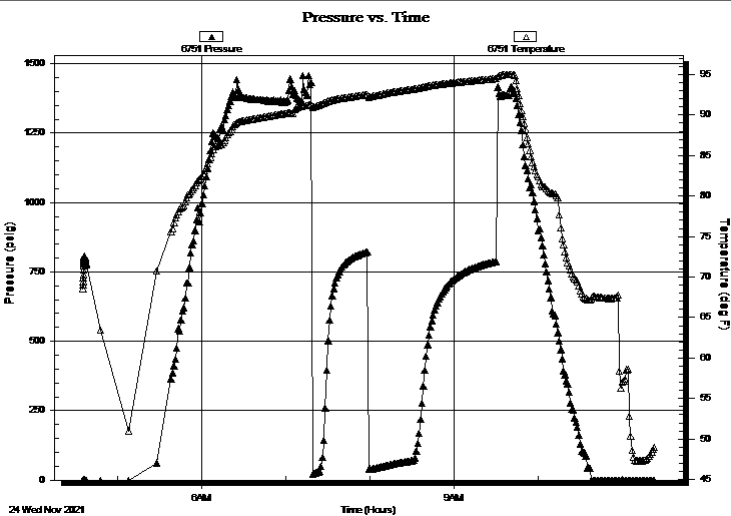
GENERAL INFORMATION:

Formation: **Toronto Douglas**
 Deviated: No Whipstock: 1852.00 ft (KB)
 Time Tool Opened: 07:18:17
 Time Test Ended: 11:23:02
Interval: 2918.00 ft (KB) To 2982.00 ft (KB) (TVD)
 Total Depth: 2982.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Hagman
 Unit No: 69
 Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6751

Press@RunDepth:	psig @	ft (KB)	Capacity:	psig
Start Date:	2021.11.24	End Date:	2021.11.24	Last Calib.:
Start Time:	04:35:01	End Time:	11:23:02	Time On Btm:
				Time Off Btm:

TEST COMMENT: IF: 5 min., weak surface blow, 2 inches
 IS: 35 min., No blow back
 FF: 30 min., strong building blow, 9.4 inches
 FS: 50 min., No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
115.00	oil spotted mud 100%M	0.57

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

MG Oil Inc.

34/15/12

P.O. Box 162
Russell, KS 67665

MG 1

Job Ticket: 67826

DST#: 1

ATTN: Chad Counts

Test Start: 2021.11.24 @ 04:35:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	oil spotted mud 100%M	0.566

Total Length: 115.00 ft

Total Volume: 0.566 bbl

Num Fluid Samples: 0

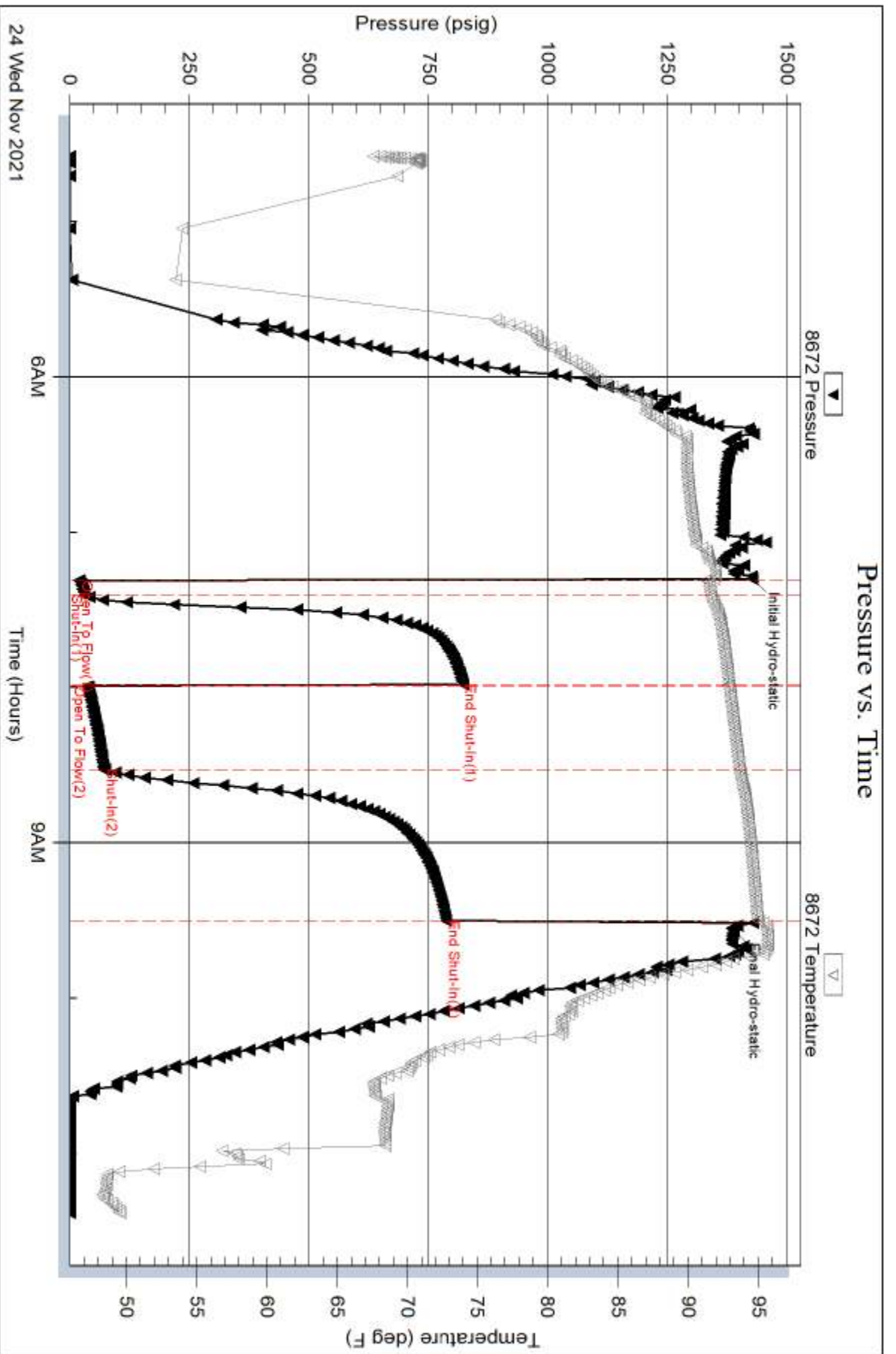
Num Gas Bombs: 0

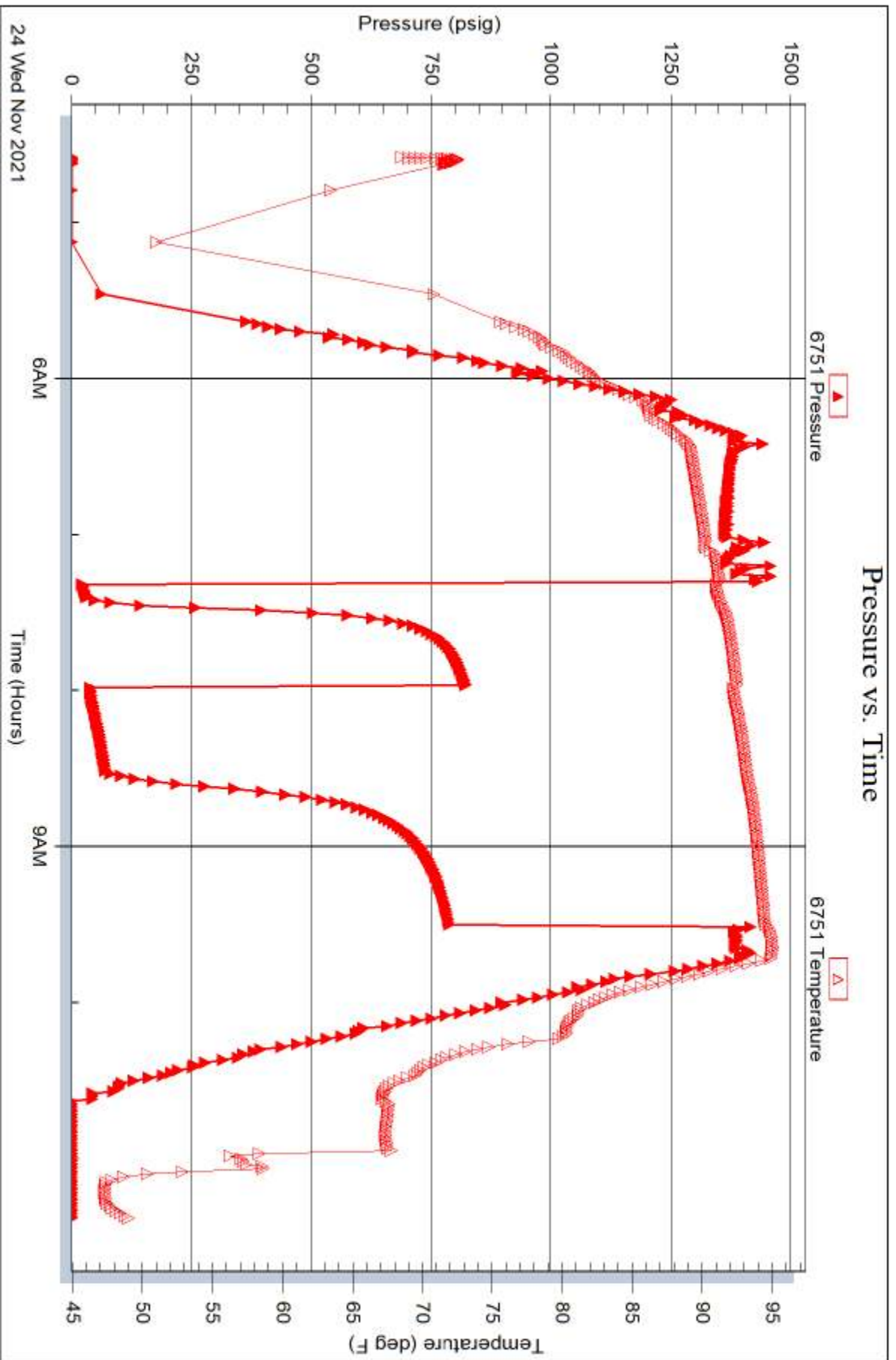
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 30' GIP







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

MG Oil Inc.
P.O. Box 162
Russell, KS 67665
ATTN: Chad Counts

34/15/12
MG 1
Job Ticket: 67827 **DST#: 2**
Test Start: 2021.11.25 @ 19:21:00

GENERAL INFORMATION:

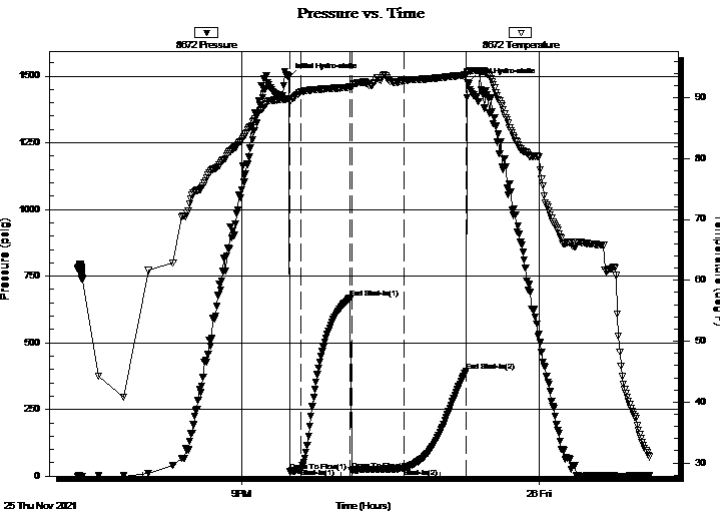
Formation: **Lansing A-C**
 Deviated: No Whipstock: 1852.00 ft (KB)
 Time Tool Opened: 21:29:17
 Time Test Ended: 01:07:02
 Interval: **3012.00 ft (KB) To 3065.00 ft (KB) (TVD)**
 Total Depth: 3065.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chris Hagman
 Unit No: 69
 Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8672

Inside

Press@RunDepth: 28.41 psig @ 3014.00 ft (KB) Capacity: psig
 Start Date: 2021.11.25 End Date: 2021.11.26 Last Calib.: 1899.12.30
 Start Time: 19:21:01 End Time: 01:07:02 Time On Btm: 2021.11.25 @ 21:28:47
 Time Off Btm: 2021.11.25 @ 23:16:47

TEST COMMENT: IF: 5 min., weak surface blow, .7 inches
 IS: 30 min., No blow back
 FF: 30 min., weak surface blow, .45 inches
 FS: 30 min., No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.87	89.80	Initial Hydro-static
1	19.07	89.28	Open To Flow (1)
8	29.60	90.97	Shut-In(1)
38	668.33	91.72	End Shut-In(1)
38	22.96	91.64	Open To Flow (2)
70	28.41	92.81	Shut-In(2)
108	393.95	93.76	End Shut-In(2)
109	1474.89	94.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

MG Oil Inc.
P.O. Box 162
Russell, KS 67665
ATTN: Chad Counts

34/15/12
MG 1
Job Ticket: 67827 **DST#: 2**
Test Start: 2021.11.25 @ 19:21:00

Mud and Cushion Information

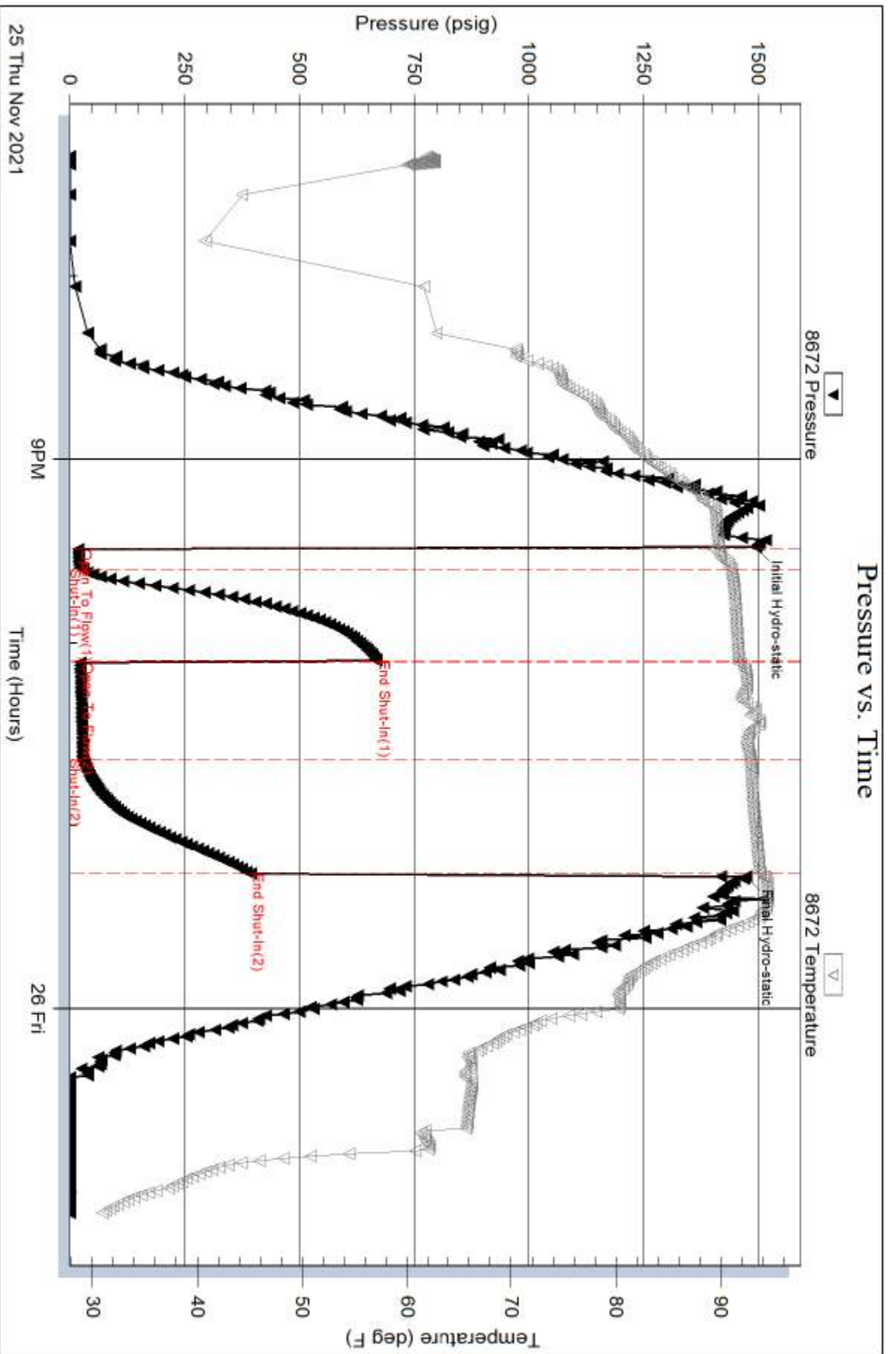
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9200.00 ppm			
Filter Cake: inches			

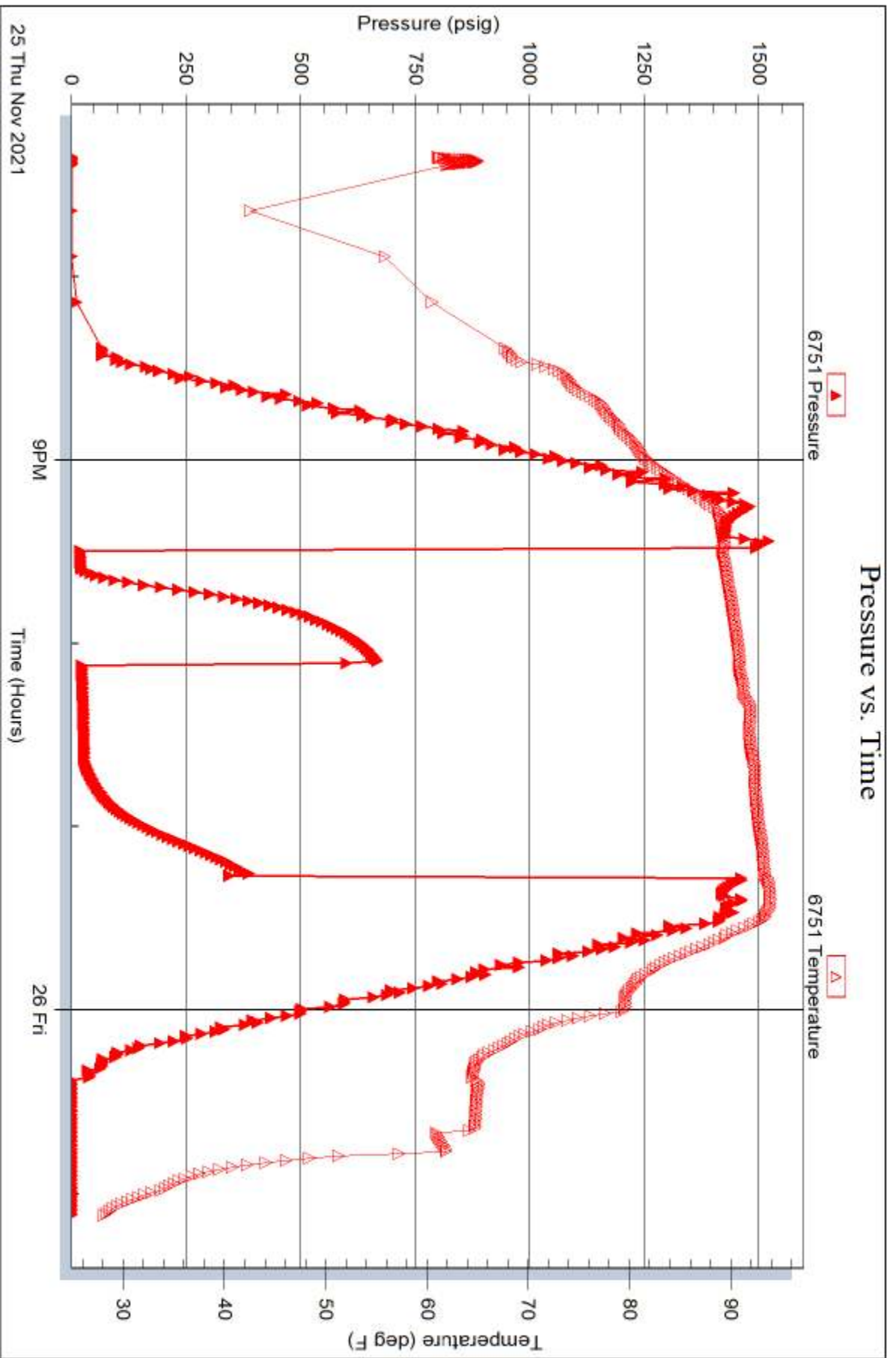
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% mud	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:







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

MG Oil Inc.
P.O. Box 162
Russell, KS 67665
ATTN: Chad Counts

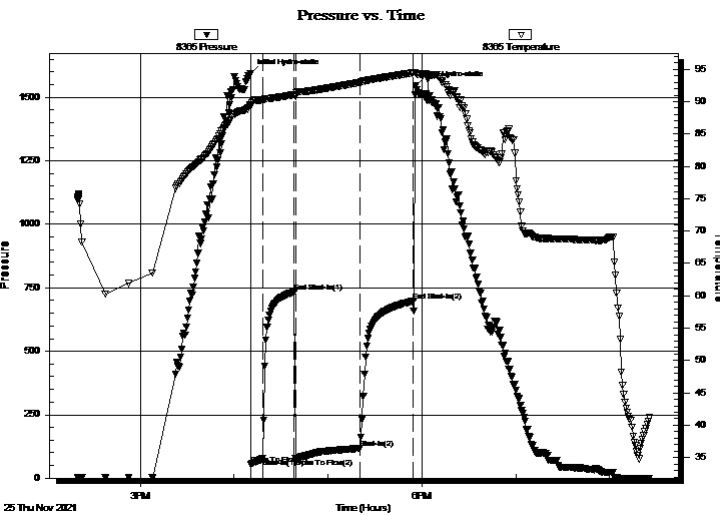
34/15/12
MG 1
Job Ticket: 67966 **DST#: 3**
Test Start: 2021.11.25 @ 14:20:00

GENERAL INFORMATION:

Formation: **KC 'H-J'**
 Deviated: No Whipstock: 1852.00 ft (KB)
 Time Tool Opened: 16:10:32
 Time Test Ended: 20:26:02
 Interval: **3152.00 ft (KB) To 3225.00 ft (KB) (TVD)**
 Total Depth: 3225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 1852.00 ft (KB)
 1844.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 117.99 psig @ 3153.00 ft (KB) Capacity: psig
 Start Date: 2021.11.25 End Date: 2021.11.25 Last Calib.: 2021.11.25
 Start Time: 14:20:01 End Time: 20:26:02 Time On Btm: 2021.11.25 @ 16:10:17
 Time Off Btm: 2021.11.25 @ 17:56:17

TEST COMMENT: IF- WSB built to 1" 5 min
 IS- No returns 20 min
 FF- WSB built to 8" 45 min
 FS- No returns 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.83	89.45	Initial Hydro-static
1	54.02	89.17	Open To Flow (1)
8	78.31	90.20	Shut-In(1)
28	733.34	91.09	End Shut-In(1)
29	76.99	90.83	Open To Flow (2)
70	117.99	92.97	Shut-In(2)
105	697.31	94.46	End Shut-In(2)
106	1545.98	94.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100% Mud TR Oil	0.44
57.00	TR Oil 40% Water 60% Mud	0.55

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

MG Oil Inc.
P.O. Box 162
Russell, KS 67665
ATTN: Chad Counts

34/15/12
MG 1
Job Ticket: 67966 **DST#: 3**
Test Start: 2021.11.25 @ 14:20:00

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:	25000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9200.00 ppm			
Filter Cake: inches			

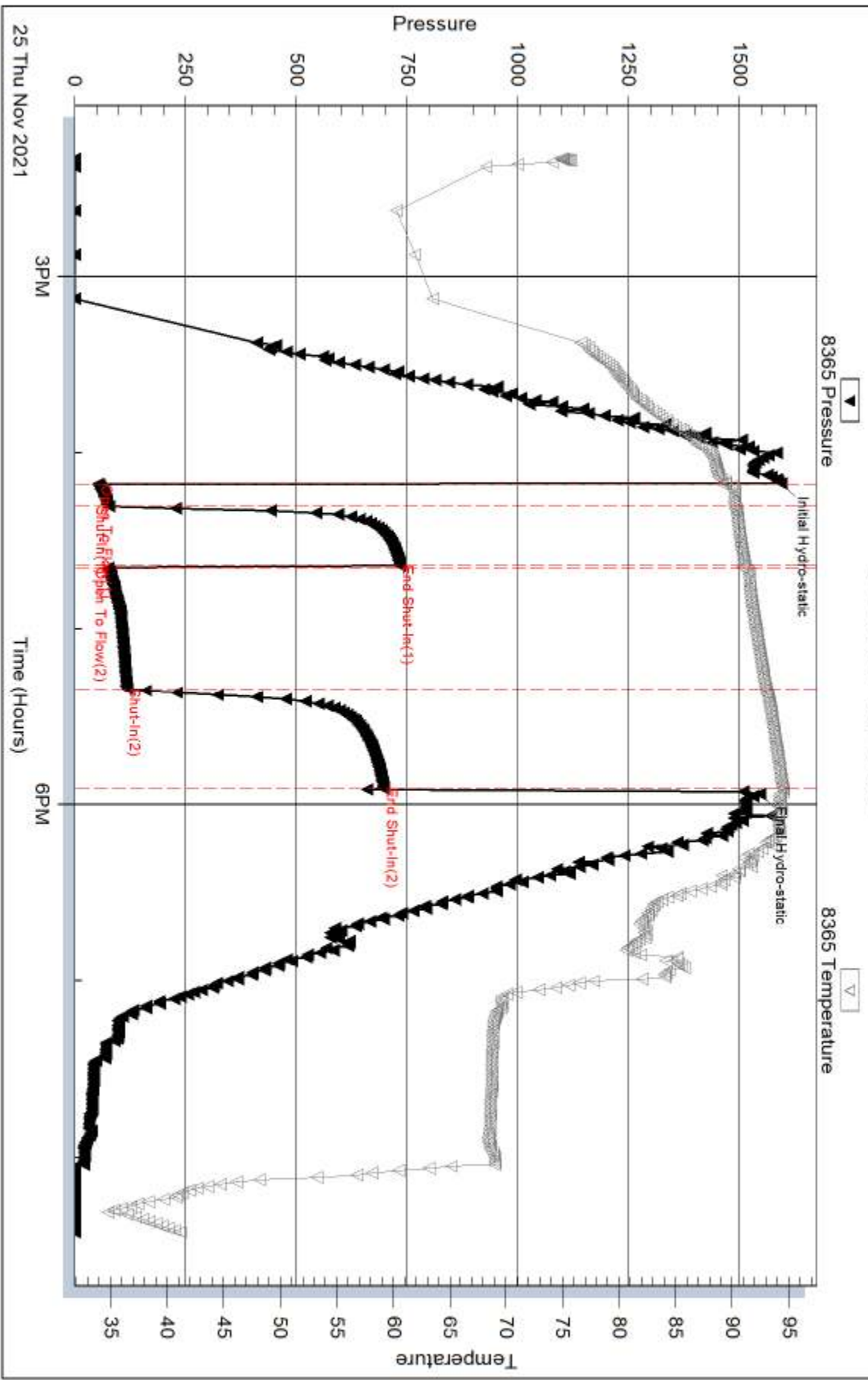
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	100% Mud TR Oil	0.443
57.00	TR Oil 40% Water 60% Mud	0.554

Total Length: 147.00 ft Total Volume: 0.997 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

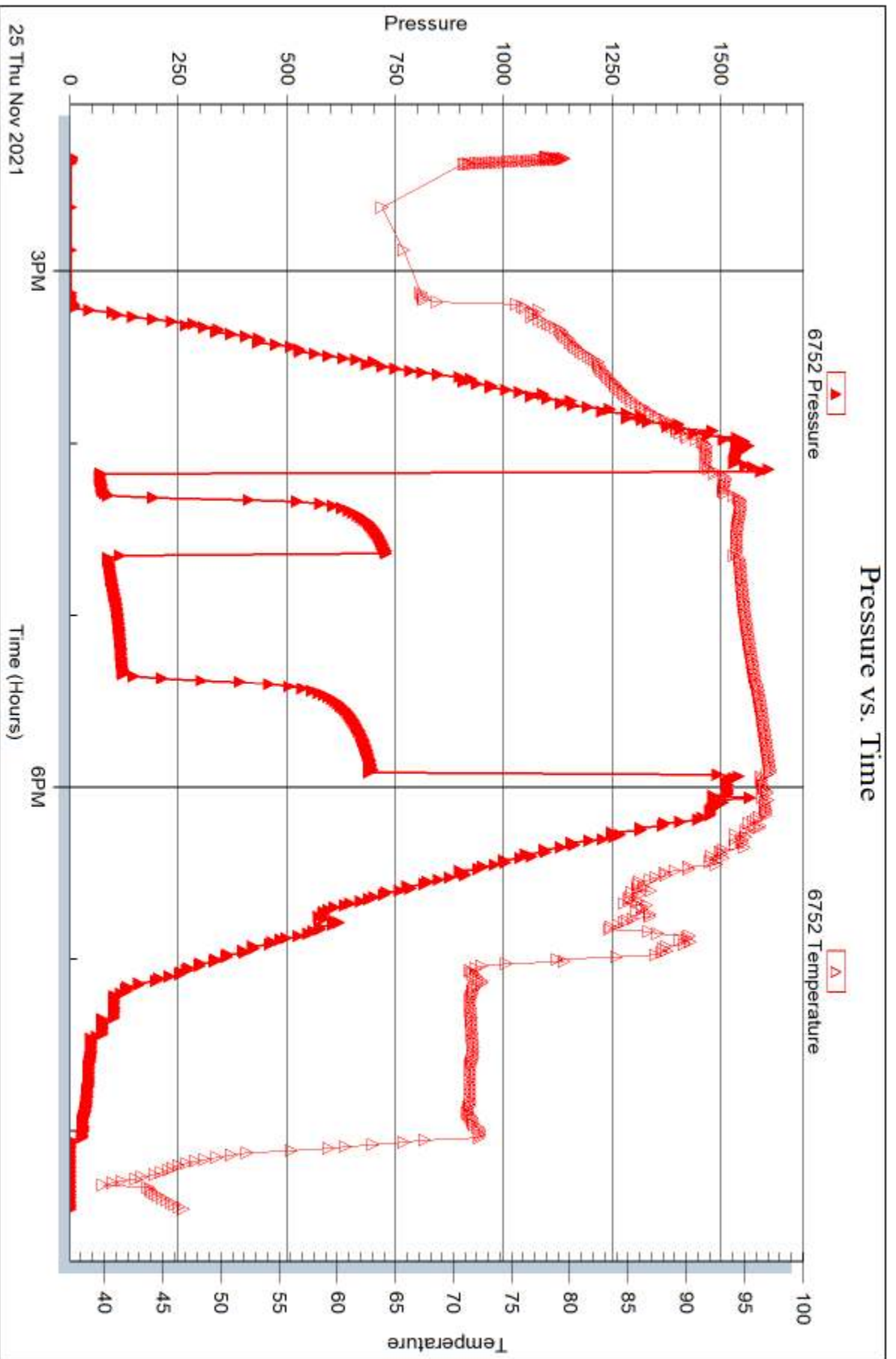


Serial #: 6752

Outside MG Oil Inc.

MG 1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 67966

Printed: 2021.11.25 @ 20:46:48

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0455

LOCATION Victoria

FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY			
11-20-21	31385	MO #1	34	15	12	Russell			
CUSTOMER <u>MO Oil Inc.</u>		TRUCK #		DRIVER		TRUCK #		DRIVER	
MAILING ADDRESS <u>PO Box 162</u>		<u>101</u>		<u>Tom W</u>					
CITY <u>Russell</u>		<u>102</u>		<u>Proston D</u>					
STATE <u>KS</u>		<u>X</u>							
ZIP CODE <u>67665</u>									

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 369 CASING SIZE & WEIGHT 5 7/8" 23 #
 CASING DEPTH 369' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 19.2 SLURRY VOL 1.33 WATER gal/sk _____ CEMENT LEFT in CASING 30'
 DISPLACEMENT 22 1/2 DISPLACEMENT PSI 200 MIX PSI _____ RATE _____

REMARKS: safety meeting & rig up on Pickell. Circulate mud. Mix 200
sq surface blend. Displace with 22.5 Bbl.

LeahNE did circulate

Thanks Tom + Proston

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	1	PUMP CHARGE <u>surface</u>	\$1150 ⁰⁰	\$1150 ⁰⁰
M001	42	MILEAGE	\$6 ⁵⁰	\$273 ⁰⁰
M002	9.87 tons	Ton Mileage delivery	\$621 ⁸¹	\$621 ⁸¹
CB004	200 sq	Class A 390 cc 2 1/2 gal	\$24 ⁵⁰	\$4900 ⁰⁰
			sub total	\$1944 ⁸¹
			less 25% disc.	\$1736 ²⁰
			sub total	\$5208 ⁴¹
			SALES TAX	312.38
			ESTIMATED TOTAL	5520.99

AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

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. 2617

Date	11-26-21	Sec.	34	Twp.	15	Range	12	County	Russell	State	Ks	On Location		Finish	7:30 PM
------	----------	------	----	------	----	-------	----	--------	---------	-------	----	-------------	--	--------	---------

Location **Dubuque - 1 1/2 W, N into**

Lease	M G		Well No.	#1	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	Pickrell #10					
Type Job	Plug					
Hole Size	7 7/8"	T.D.	3368'		Charge To	M G Oil
Csg.		Depth				
Tbg. Size	4 1/2" D.P.	Depth	3318'			
Tool		Depth				
Cement Left in Csg.		Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line		Displace	H2O/mud		Cement Amount Ordered 215 60/40 4% Gel 1/4 #10	

EQUIPMENT

Pumptrk	16	No.	Cementer	David	Common	129
			Helper		Poz. Mix	86
Bulktrk	1	No.	Driver	Rick	Gel.	8
			Driver		Calcium	

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 50#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 223
	Mileage

FLOAT EQUIPMENT

Rathole w/ 355x	Guide Shoe	1 - Dry hole plug
Cement did Circulate	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	

Pumptrk Charge	plug	Tax	
Mileage	23	Discount	
Thanks		Total Charge	

X Signature 