

Form	ACO1 - Well Completion
Operator	M G Oil Inc
Well Name	MESSENGER 7-33
Doc ID	1691421

All Electric Logs Run

DIL
CDN
MICRO
SONIC

Form	ACO1 - Well Completion
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Tops

Name	Top	Datum
Stone Coral	2162	723
Heebner	3890	-1005
Lansing	3932	-1047
Stark	4223	-1338
BKC	4300	-1415
Pawnee	4423	-1538
Ft Scott	4467	-1582
Mississippian	4551	-1666

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	223	Class A	160	80/20poz

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. **3310**

Cell 785-324-1041

Date <u>12322</u>	Sec. <u>33</u>	Twp. <u>18</u>	Range <u>30</u>	County <u>LAF</u>	State <u>KS</u>	On Location	Finish <u>4:30pm</u>
Lease <u>MESSENGER</u>				Well No. <u>7-33</u>		Location <u>AMY 25 12w</u>	
Contractor <u>STD</u>				Owner To Quality Oilwell Cementing, Inc.			
Type Job <u>SURFACE</u>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <u>12 1/4</u>	T.D. <u>223</u>			Charge To <u>MG oil</u>			
Csg. <u>8 3/8</u>	Depth			Street			
Tbg. Size	Depth			City		State	
Tool	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <u>15</u>	Shoe Joint			Cement Amount Ordered <u>160 52/20 -3-2</u>			
Meas Line	Displace <u>13 1/4</u>						
EQUIPMENT							
Pumptrk <u>17</u>	No.	Cementer	<u>BILL</u>	Common <u>130</u>			
		Helper		Poz. Mix <u>30</u>			
Bulktrk	No.	Driver	<u>JORDAN</u>	Gel. <u>3</u>			
		Driver		Calcium <u>6</u>			
Bulktrk <u>20</u>	No.	Driver	<u>CORY</u>	Hulls			
		Driver		Salt			
JOB SERVICES & REMARKS							
Remarks:				Flowseal			
Rat Hole				Kol-Seal			
Mouse Hole				Mud CLR 48			
Centralizers				CFL-117 or CD110 CAF 38			
Baskets				Sand			
D/V or Port Collar				Handling <u>169</u>			
<u>Set C 223</u>				Mileage			
<u>Cent w/ 160 y</u>				FLOAT EQUIPMENT			
<u>pump plug w/ 13 1/4 bbls</u>				Guide Shoe			
<u>Cent DID CIRC</u>				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>44</u>			
				Tax			
				Discount			
				Total Charge			
Signature <u>[Signature]</u>				<u>Thanks</u>			

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

Nó. 3221

Date <u>12-22</u>	Sec. <u>33</u>	Twp. <u>18</u>	Range <u>30</u>	County <u>Lane</u>	State <u>Ks</u>	On Location	Finish <u>10:00 PM</u>
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Lease <u>MESSENGER</u>	Well No. <u>7-33</u>	Location <u>Amy 2 S 12 W</u>
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Contractor <u>STP</u>	Owner <u>To Quality Oilwell Cementing, Inc.</u>
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Type Job <u>PTA</u>	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
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Hole Size <u>7 3/8</u>	T.D. <u>4625</u>	Charge To <u>MG oil</u>
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Csg.	Depth	Street
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Tbg. Size	Depth	City	State
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Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
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Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>270 x 60/40 - 4</u>
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Meas Line	Displace	<u>4 1/2 to seal</u>
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EQUIPMENT

Pumptrk <u>17</u>	No.	Cementer	<u>Bill</u>	Common <u>162</u>
		Helper		
Bulktrk	No.	Driver	<u>ATEK</u>	Poz. Mix <u>108</u>
		Driver		
Bulktrk <u>1</u>	No.	Driver	<u>ROSS</u>	Gel. <u>10</u>
		Driver		
				Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <u>30 1/4</u>	Salt
Mouse Hole	Flowseal <u>2 1/2 50 #</u>
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<u>2200</u>	Sand
<u>1500</u>	Handling <u>280</u>
<u>750</u>	Mileage
<u>270</u>	
<u>60</u>	

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge <u>plug</u>
Mileage <u>40</u>

Thanks

X Signature Todd E. M...

Tax
Discount
Total Charge



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

Well Name: Messenger 7-33
API: 15-101-22682
Location: SE NW NW NE Sec 33 18S 33W
License Number: 31385
Spud Date: 12/3/2022
Surface Coordinates: Region: Lane
Drilling Completed:

Bottom Hole
Coordinates:
Ground Elevation (ft): 2878' K.B. Elevation (ft): 2885'
Logged Interval (ft): 3800' To: 4625 Total Depth (ft): 4625
Formation: Mississippian
Type of Drilling Fluid: Chemical based 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

Progress Report:

12/3/22 Moved in STP Company, Inc. rotary tools (Rig #1). Spud HOLE. Ran 5 jts. 8 5/8" 23# surface pipe set at 223' and cemented with 160 sacks Class A 3% cc 2% gel. Cement did circulate. Plug down at 4:30 a.m. on 12/3/22.

12/4/22 Drilling 706'.

12/5/22 Drilling at 2470'.

12/6/22 Drilling at 3180'.

12/7/22 Drilling at 3730'.

12/8/22 Drilling at 4205'

12/9/22 Drilling at 4305'/DST #1

12/10/22 Drilling at 4420'/DST #2 & #3

12/11/22 TD at 4620' in Mississippian. Trip out of hole for logs. Gemini Wireline ran a full suite including detail Sonic and RHOB to surface. Prepare to run in hole to run Straddle DST #4.

12/12/22 Run Straddle DST #5. Prepare to lay down and abandon well.

GENERAL INFORMATION:

Formation: LKC L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:22:32

Time Test Ended: 03:43:26

Interval: 4266.00 ft (KB) To 4305.00 ft (KB) (TVD)

Total Depth: 4305.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8875

Inside

Press@RunDepth: 46.94 psig @ 4269.00 ft (KB)

Capacity: psig

Start Date: 2022.12.08

End Date: 2022.12.09

Last Calib.: 2022.12.09

Start Time: 20:25:01

End Time: 03:43:27

Time On Btm: 2022.12.08 @ 23:22:22

Time Off Btm: 2022.12.09 @ 01:24:47

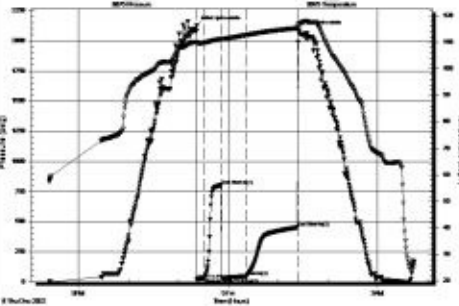
TEST COMMENT: 5-IF-Surface to 1.25"

20-ISI-No Return

30-FF-Surface to 3.25"

60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.24	109.95	Initial Hydro-static
1	21.42	109.43	Open To Flow (1)
9	30.85	109.79	Shut-In(1)
30	803.87	111.21	End Shut-In(1)
31	32.52	111.13	Open To Flow (2)
60	46.94	112.68	Shut-In(2)
122	452.47	115.30	End Shut-In(2)
123	2087.01	116.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	HOOB 30%O 70%N	0.34

Gas Rates

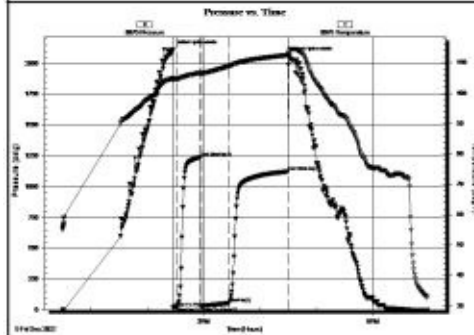
Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)

GENERAL INFORMATION:

Formation: **Pleasanton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:27:32
 Time Test Ended: 18:58:32
 Interval: **4302.00 ft (KB) To 4340.00 ft (KB) (TVD)**
 Total Depth: 4340.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches -hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2885.00 ft (KB)
 2878.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8875 Inside
 Press@RunDepth: 56.35 psig @ 4305.00 ft (KB)
 Start Date: 2022.12.09 End Date: 2022.12.09 Capacity: psig
 Start Time: 12:30:01 End Time: 18:58:32 Last Calib.: 2022.12.09
 Time On Btm: 2022.12.09 @ 14:27:27
 Time Off Btm: 2022.12.09 @ 16:30:52

TEST COMMENT: 5-F-Surface to 1.25"
 25-ISI-No Return
 30-FF-Surface to 3.75"
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.94	104.87	Initial Hydro-static
1	19.19	104.08	Open To Flow (1)
5	27.01	104.65	Shut-In(1)
30	1239.96	106.67	End Shut-In(1)
31	25.98	106.51	Open To Flow (2)
60	56.35	108.95	Shut-In(2)
123	1123.44	112.53	End Shut-In(2)
124	2060.04	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GMO 10%G 20%M 70%O	0.44
0.00	120 GP 100%	0.00

* Recovery from multiple tests

Gas Rates

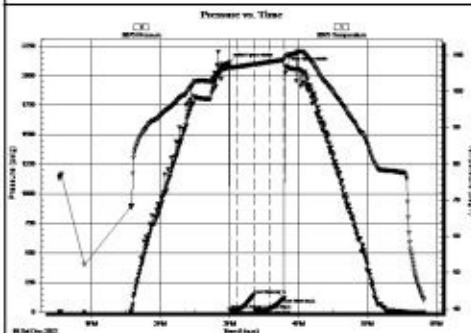
	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)
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GENERAL INFORMATION:

Formation: **Altamont**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:59:57
Time Test Ended: 17:49:12
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Interval: **4360.00 ft (KB) To 4420.00 ft (KB) (TVD)**
Total Depth: 4420.00 ft (KB) (TVD)
Reference Elevations: 2885.00 ft (KB)
2878.00 ft (CF)
Hole Diameter: 7.88 inches -hole Condition: Fair
KB to GR/CF: 7.00 ft

Serial #: 8875 Inside
Press@RunDepth: 21.22 psig @ 4363.00 ft (KB)
Start Date: 2022.12.10 End Date: 2022.12.10 Capacity: psig
Start Time: 12:32:01 End Time: 17:49:12 Last Calib.: 2022.12.10
Time On Btm: 2022.12.10 @ 14:59:47
Time Off Btm: 2022.12.10 @ 15:47:57

TEST COMMENT: 5-IF-Surface to 0.50"
15-ISI-No Return
15-FF-No Blow
15-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2111.38	106.93	Initial Hydro-static
1	20.46	106.28	Open To Flow (1)
7	21.07	106.74	Shut-In(1)
22	145.74	107.43	End Shut-In(1)
22	20.49	107.44	Open To Flow (2)
35	21.22	108.05	Shut-In(2)
48	117.96	108.68	End Shut-In(2)
49	2077.87	109.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil Spotted Mud 100%M	0.02

* Recovery from multiple tests

Gas Rates

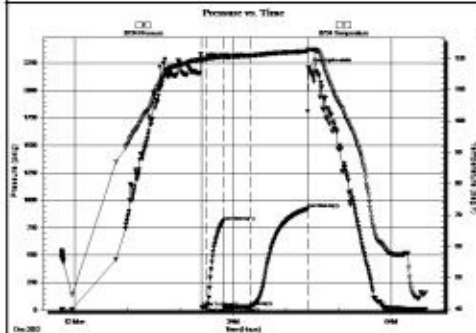
	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)
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GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:24:20
 Time Test Ended: 06:39:39
 Interval: **4455.00 ft (KB) To 4500.00 ft (KB) (TV D)**
 Total Depth: 4621.00 ft (KB) (TV D)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 2885.00 ft (KB)
 2878.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 32.97 psig @ 4458.00 ft (KB)
 Start Date: 2022.12.11 End Date: 2022.12.12
 Start Time: 23:45:01 End Time: 06:39:40
 Capacity: 8000.00 psig
 Last Calib.: 2022.12.12
 Time On Btm: 2022.12.12 @ 02:24:10
 Time Off Btm: 2022.12.12 @ 04:26:10

TEST COMMENT: 5-IF-Blow built to 1/4"
 20-ISI-No return
 30-FF-Blow built to 1/4"
 60-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.75	119.82	Initial Hydro-static
1	27.79	118.65	Open To Flow (1)
6	30.19	119.84	Shut-In(1)
25	810.77	120.53	End Shut-In(1)
26	30.95	120.24	Open To Flow (2)
56	32.97	120.90	Shut-In(2)
121	922.27	122.20	End Shut-In(2)
122	2208.64	122.76	Final Hydro-static

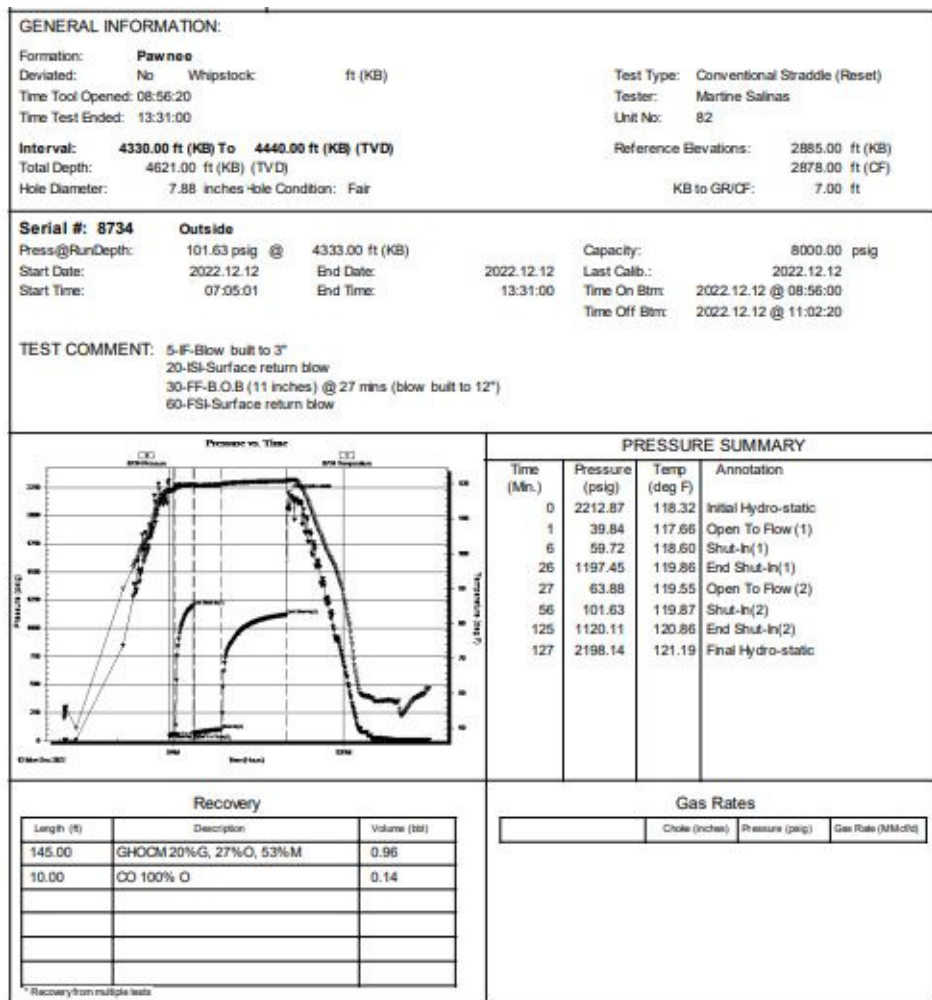
Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 12%O, 88%M	0.05

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMscf/d)
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ROCK TYPES

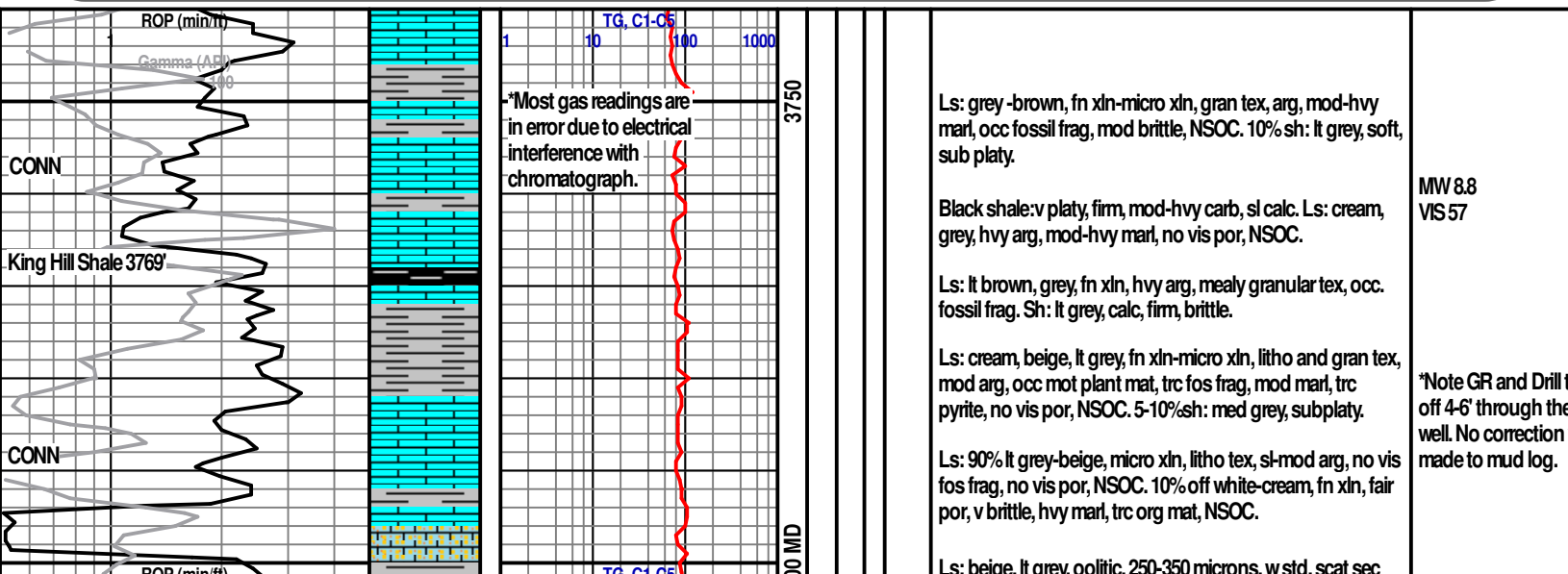
Anhy
Bent
Brec
Cht
Clyst

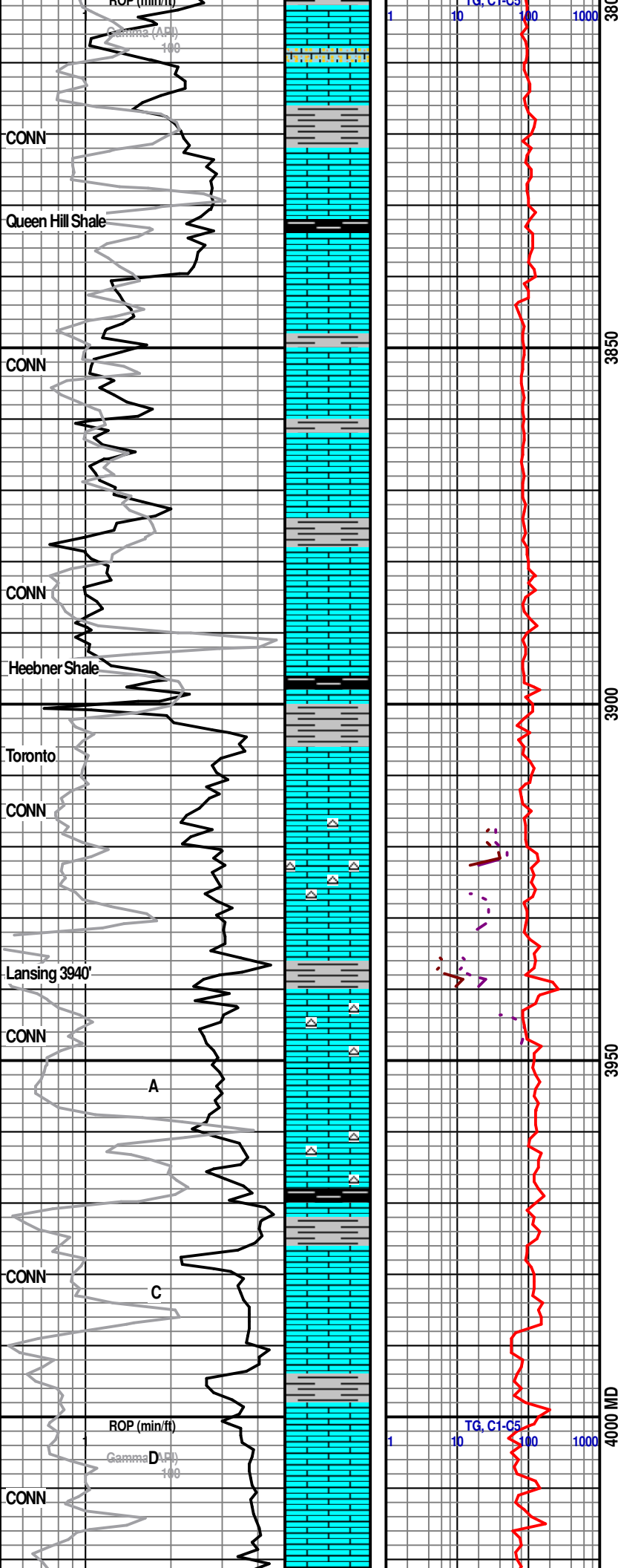
Coal
Oolitic limestone
Congl
Dol
Gyp

igne
Dark grey shale
Black shale
Lmst
Meta

Mrlst
Salt
New symbol
Shale
Shcol

Shgy
Sltst
Ss
Till





Ls: cream, grey, beige, fn xln, 25% w/hvy mot org mat, mod arg, occ fos frag, 75% cream, micritic, no vis por, dense NSOC.

Ls: cream, grey, beige, fn xln, 25% w/hvy mot org mat, mod arg, occ fos frag, 75% cream, micritic, no vis por, dense NSOC.

Ls: grey- beige, micro xln, no vis por, occ random scat pp vugs,dense, sl arg, sl marl, NSOC.

Ls: cream, beige, micro xln, no vis por, dense, occ scat fossil frag (fusulinids), sl arg, sl marl, NSOC. <1% dk brown-black shale, mod carb, sl cal.

Ls: cream, fn-micro xln, litho-gran tex, fair sec por, v hvy marl in try (white wash), brittle, NSOC.

Ls: cream, beige, fn xln, v brittle, fair inxl por, trc fossil frag, occ mottled org mat, increase in marl, NSOC.

Ls: cream, lt grey, fn xln, v brittle, fair inxl por filled w/marl, very hvy marl in tray (est 40%), NSOC.

Ls: cream, beige, lt brown, hvy mottled w/ org mat, sevrl fusulinids, mod-hvy arg, sl-mod marl, poor vis por, NSOC.

Flood black shale: platy, firm, carb, brittle, fissile. Ls: beige, lt brown, micro xln, dense, occ fossil frag, no vis por. NSOC.

Ls: beige, lt brown cream, occ mottled org mt, litho-granular text, poor vis por, mod arg, dense-occ brittle, NSOC. Sh: lt blue grey, sub platy.

Ls: cream, beige, micro xln, litho text, dense, occ sct fossil frag, non arg, r scat pp vugs, no vis matrix por, NSOC.

Ls: cream, micr xln, v dense, r fossil frag, no vis por, <5% chert: white, opaque. NSFOC.

Ls: cream, micro xln, (5-10% oolitic, 350-500 micron s, w std, no vis sec por, dense, NSOC.), remaining dense litho tex. 5% Med grey shale, sub platy, firm non calc.

Ls: cream, micro xln, dense, non arg, occ scat fossil clasts, no vis por, sl cherty (grey opaque w/spicules) trc oolitic a/a, NSOC.

Ls: cream, beige, micro xln, litho tex, r scat indiv pp vug, no vis por, NSOC.

Black shale: v firm (some silica cement), carb, very platy, non calc. Ls:cream, lt grey, occ sl arg, occ. fossil clasts, trc oolitic, cherty,v dense, no vis por, NSOC.

Ls: cream, micro xln, few fn xln w/ marl filled por (brittle), very cherty (approximately 10% white,grey, orange translucent), no vis por, NSOC.

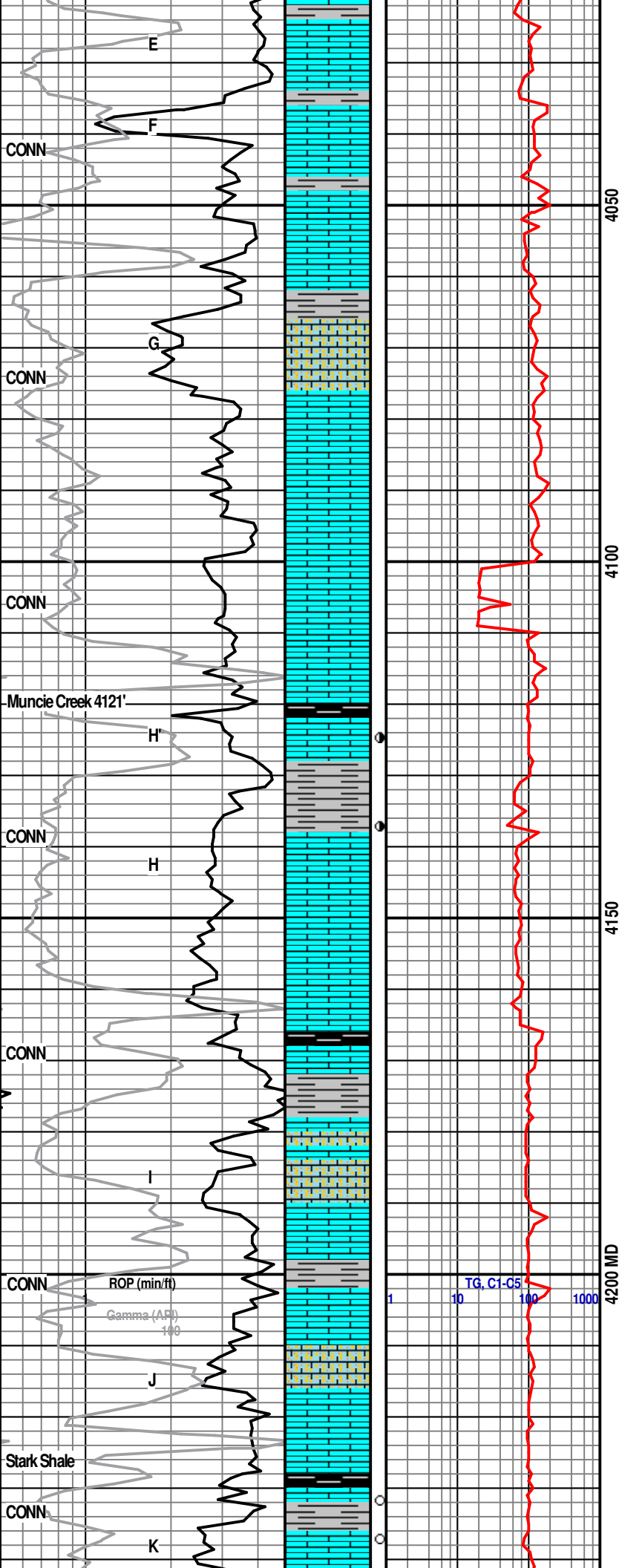
Ls: cream, white, micro xln, dense, litho tex, sharp cleavage, no vis por, trc marl, non arg, NSOC.

Ls: cream,off white, micro xln, v dense, sharp cleavage, non arg, occ scat pp vug, sl-mod marl, NSOC. Sh:lt med grey, sub platy-non platy, soft non calc.

Ls: cream, grey, micro xln, no vis por, v sl arg, NSOC.

Ls: lt grey, beige-lt brown, micro xln, occ scat fos frag, no vis por, dense, sl arg, sl cherty, NSOC. 5% med-dk grey sh, sub platy-platy.

Mudco Check:
MW 8.95
VIS 54
Filtrate 7.2
Chloride: 1450
1# LCM
Solids 4.9%



Ls: Beige-lt brown, brown, bio-grainstone, nvy scat fossil frag, very dense, no vis sec por, wide variety of clasts, NSOC.

Ls: cream, bio grainstone, hvly scattered fossil clasts, fair intr clast secondary por, NSOC.

Limestone: cream, micro xln, dense, occ oolitic, 350-500 microns, w std, no vis sec por, few pores w sec calc, NSOC.

Ls: cream, micro xln, r scat pp vugs, few fossil frag, dense, sl marl, non arg, no vis mtrx por, NSOC.

Ls: cream, beige, lt brown, partial oolitic, 350-500 microns, poor sec por, occ scat modic vugs, very poor connectivity, mod-hvy marl NSOC.

30% LS A/A 70% Ls: cream, micro xln, dense, mod marl, no vis por, sharp cleavage, litho text, NSOC.

Ls: cream, micro xln, no vis por, mod marl, dense, sharp cleavage, litho tex, NSOC.

Ls: cream-lt grey, micro xln, poor por, occ scat pp vugs, few scat clasts, sl marl, NSOC.

Ls: cream, grey, micro xln, no vis por, dense, litho tex, non arg, sl marl, NSOC.

Ls cream, patch grey, micro xln, occ scat por conn pp vugs, v p por, sl arg, dense, litho tex, NSOC. <5% Black shale, platy firm, carb.

H': <5% Ls, beige, lt brown, mottled, bio clastic gs, p std, 200-500 micron clasts, v poor scat sec por, scat pp vugs, mod arg, very spotty live oil stain in vugs, faint odor, no free oil.

H por: <5% ls, slight grey-off white, oolitic, 350-500 microns, w. std, poor incl por, brittle, mod-hvy marl in matrix, only SSFO upon crush, weak cut, faint odor.

Ls: cream, grey, micro xln, dense, occ brittle, sl marl, 2 cuttings w/ssfo a.a, v poor por, very weak odor,

Ls: grey-cream, light brown, micro xln, dense, litho tex, scat random pp vugs, no vis matrix por, NSOC.

Ls: cream, beige, brown, lt grey, micro xln, desnse, occ. brittle, mod marl, v poor incl por, NSOC. Trc black shale: platy firm, carb.

Ls cream, lt grey, beige, micro xln-fn xln, dense-occ brittle, sl arg, poor incl por, few cutting w/ slight stain in fn xln, no odor of free oil. Sh: grey green, sub platy, mod firm.

Ls: 20% oolitic gs, grey, cream, 500-600mcrons, mod-w std, no vis sec por, v dense, arg. 80% ls cream, beige, micritic, mod marl. NSOC.

Ls: beige, lt brown, micro xln, v dense, no vis por, scat fossil frag, sl-mod arg, NSOC. Sh: grey-green, soft, non platy, smooth.

Ls: grey beige, micro xln, occ oolitic, no vis sec por, 500-600 microns, sl marl, occ. arg, trc pyrite, NSOC.

Ls: lt grey, cream, micro xln, occ. partial oolitic, 350-500 microns, p std, scat, no vis sec por, dns, NSOC.

Ls: cream, beige, grey, occ oolitic, dense, very tight, r scat vuggy por, trc live edge oil stain, no free oil, faint odor. 10% black shale, firm, platy, v carb.

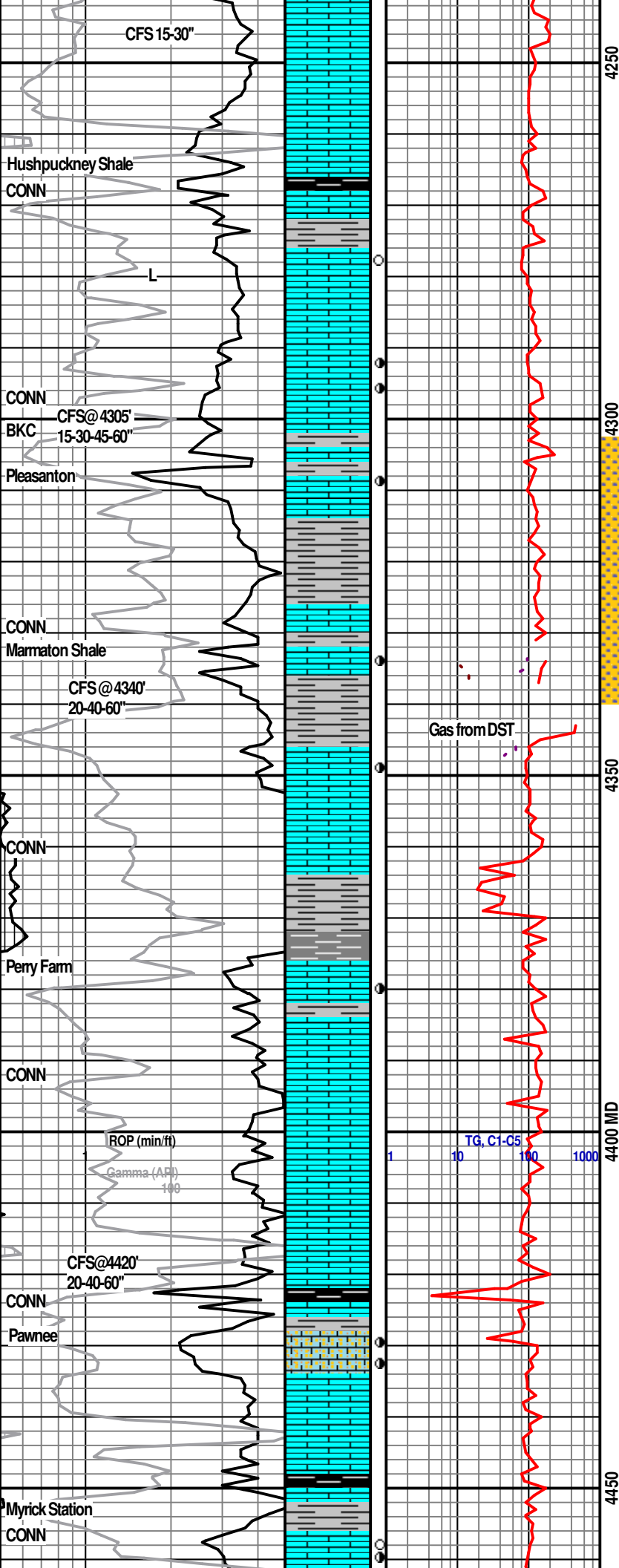
K porosity: Ls cream, off white, fine xln, poor incl por, brittle, sl-mod marl found 5 cuttings w/ssfo upon crush, very faint odor, no cut

MW 9.1
VIS 62
2# LCM

MW 9.2
VIS 60+
2# LCM

MW 9.3
VIS 55
2# LCM

MW 9.3
VIS 50
2# LCM



Ls: cream, micritic, no vis por, litho tex, dense. Sl cherty.

Ls: cream, lt grey, micro xln, dense, sharp cleavage, scat fos frag, no vis por, NSOC.

Ls: cream, beige, lt grey, fn-xln-micro xln, few fos frag, most v dense, sl cherty, NSOC. Trc black shale: platy firm, carb.

Ls: cream, fn xln, ganular tex, no vis inxl por, hvy marl in por mtrx, few cuttings w/ spotted stain, no free oil or odor.

Ls: grey, micro xln, no vis por, v dense, litho tex, trc oolitic ls, 250-350 microns (no sec por), no stain or odor.

Ls: lt grey-cream, micro xln, few fn xln, poor inxl por, marl filled matrix, occ. scattered pp vugs, few micritic ls w/sec calc overgrowth, very spotty edge stain, two cutting w ssfo upon crush, very tight appearance.

Ls: light grey, cream, micro xln, dense, occ. r oolitic. 1 cutting w scat stain, no free oil or odor. Very trashy sample after DST.

Pleasanton Ls: cream, beige, off white, fn xln, p-fair inxl por, occ mod marl matrix, occ micritic w/ med xln overgrowth, scattered to few with even stain, spotty saturation, weak odor, 20% have slow streaming cut.

Ls: cream, beige, lt brown, micro xln, litho tex, few w/ spotty edge stain w/ med xln overgrowth, r scat vugs, no free oil, no odor. Variety of shales.

4332' show: Limestone-grey-brown, micro xln mtrx w/ scat pp vuggy por, fn-med xln overgrowth in vugs, scattered stain and sat, ssfo, questionable-faint odor.

4340-4350-Ls: cream, white, micro xln, few oolitic, (500-700 microns, poor inxl vuggy por), scat vugs in micritic ls, scat hvy dark oil stain in all pores, v spotty sat, sl show hvy dark oil, faint odor. Sh: brick red, grey.

Ls: cream-lt grey, mod arg, dense, no vis por, trc ls w/show a/a. 40% Sh: med grey platy, firm, sl carb.

80% med-dk grey shale, platy, firm sl calc. 20% Ls: cream-offwhite, micritic, litho tex, no vis por.

Perry Farm: cream-beige, micro xln-some fine xln, dense, hard, few brittle, rand scat pp vugs, occ fine re-xln, poor por, trc scat light stain, very slight sat, 1 cutting w/slow milky ntrl cut, svrl SFO on crush, v fnt odor.

Ls: cream-beige, lt grey, micro xln, occ fn xln, poor vis por, NSOC. 5% dk grey sh.

Ls: cream-beige, micro xln, v hard, dense, trc fos frag, no vis por, NSOC.

Altamont C-Oolitic grainstone, 500-850 microns, poorly std, v poor-no vis sec por, 2 cuttings with stain, questionable odor, no free oil.

Black shale: v platy, firm, carb, dense, sl calc.

Pawnee: Oolitic ls: off white, beige, 350-500 microns, mod-w. std, f. qnty marl in mtrix and smpl, fair sec por, scat-even inxl vugs, spotty-even stain and sat, fair streaming cut, fair-strong odor.

Ls: grey, beige, micro xln, dense, no vis por, sl arg, NSOC.

Ls: beige, grey brown, mod arg, dense, litho tex, no vis por, NSOC. 5% Black shale.

Ls: grey, beige, grey brown, micro xln, dense, no vis por, litho tex, NSOC. 5% Blk sh, 10% med grey shale, subplaty, non calc.

Myrick station: Ls: cream-lt grey, micro xln, few cuttings w/ partial vuggy por, poor vis por, r scat stain, 1 cutting

MW 9.4
VIS 49
3# LCM

DST #1
KC L (SWOPE)
5-20-30-60
IFP: 21-30psi
ISIP: 803psi
FFP: 32-46psi
FSIP: 452psi
Rec: 70' HOCM (30')
Mudco Check:
MW 9.3
VIS 49
Filtrate 6.4
Chlorides 1300
1# LCM
Solids 7.1%

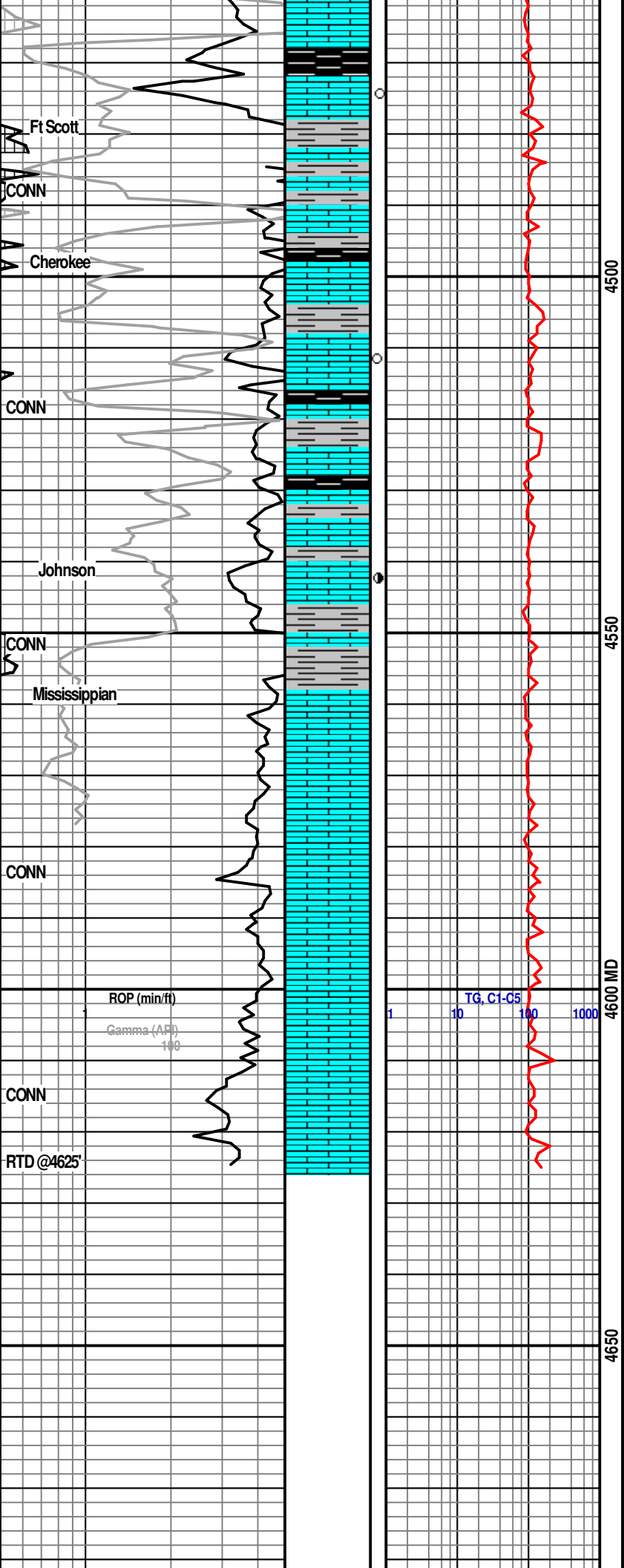
DST #2
4302-4340'
Pleasanton
5-25-30-60
IFP 19-27psi
ISIP 1239psi
FFP 25-56psi
FSIP: 1123psi
Rec: 90' GMO (70%
10%G)
120' GIP

Mudco Check:
MW 9.2
VIS 46
Filtrate 7.2
Chloride 2,000
1# LCM
Solids 5.9%

DST #3
Perry Farms/Altamont
4360-4420'
5-15-15-15
IFP 20-21psi
ISIP: 145psi
FFP 20-21psi
FSIP: 117psi
Rec: 5' OSM

Mudco check:
MW 9.2
VIS 56
Filtrate 7.2
Chlorides 1500ppm
1# LCM
Solids 5.9%

DST #4
Straddle
Myrick Station-Ft S
4455'-4500'
IFP: 28-30psi
ISIP: 811psi
FFP: 31-33psi
FSIP: 922psi



w/VSSFO, faint odor.
Ls: cream, off white, micro xln, no vis por, dense, litho tex, NSOC. <5% Blk sh: sub platy-platy, soft, non calc, v carb. Sl gas odor.
Ft Scott: Bioclastic grainstones, ostracods, 350-500 microns, w. std, poor-no interclast sec por, scattered pp stain, few cuttings w/ssfo, faint odor.

Ls: cream, beige, brown, micro xln, mod arg, v dense, no vis por, sl cherty (white, semi translucent) NSOC..

Ls: grey, beige, micro xln, dense, mod arg, no vis por, occ r scat pp vug, NSOC. Blk sh: firm platy, carb. Trc Sh: light grey, soft, non platy, non calc.

Ls: light grey, beige, cm, dense, micro xln, occ hvy arg, no vis por, four cutting w sl edge stain, no free oil or odor.

Ls: light grey, beige, grey-brown, micro xln ms, dense, no vis por, trc fossil frag, r scat indv pp vug, NSOC. 5% Black shale, platy, carb. 5% grey shale, soft, sub platy.

Ls: light brown, grey, micro xln, very dense, sl-mod arg, few fos frag, r isolated indv vugs, no vis mtrx por, NSOC. 5% Sh: light grey green, smooth, sub platy.

Johnson: lt grey, off white, fn xln, poor inxl and vuggy por, occ partially micritic, sptd sat and stain, SSFO upon crush, faint odor, patchy dry stn.

Ls: grey, buff, lt brown, micro xln, v dense, glassy litho tex, no vis por, r scat pp vugs, svrl cuttings w/hvy gilsonite edge stain, no free oil, faint odor.

Ls: buff, light brown, micro xln, v poor-no vis por, few granulr tex, sl marl, NSOC.

Ls: beige, buff, micro xln, litho tex, no vis por, sharp frac, sl cherty (white), NSOC.

Ls: beige, buff, micro xln, no vis por, dense, NSOC. 5% light green shale, calc, sub platy.

Ls: beige, lt brown, oolitic, 250-350 microns, well std, no vis dec por, sl marl, dense, granular tex, NSOC.

Ls: grey, cream, micro xln, dense, no vis por, sl cherty, NSOC.

Ls: beige, micro xln, dense, no vis por, cherty, NSOC.

Ls cream, lt grey, micro xln dense, sl marl, no vis por, occ granular tex, mostly litho, NSOC. 5-10% White, translucent chert.

Rec: 10' OCM (12%
DST #5
Straddle
Marmaton-Pawnee
4330'-4440'
IFP:39-60psi
ISIP:1197psi
FFP:63-102psi
FSIP: 1120psi
Rec: 145' VHOCM (12%
10' CO

Mudco check:
MW 9.3
Vis 58
Filtrate 8.0
Chloride: 2,000ppm
1# LCM
Solids: 6.6%



DRILL STEM TEST REPORT

Prepared For: **M G Oil Inc**

PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

Messenger #7-33

33-18s-30w Lane KS

Start Date: 2022.12.08 @ 20:25:00

End Date: 2022.12.09 @ 03:43:26

Job Ticket #: 70010 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.12.14 @ 17:07:58



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc

PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 70010

DST#: 1

Test Start: 2022.12.08 @ 20:25:00

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:22:32

Time Test Ended: 03:43:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 4266.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2878.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875 Inside

Press@RunDepth: 46.94 psig @ 4269.00 ft (KB)

Capacity: psig

Start Date: 2022.12.08

End Date:

2022.12.09

Last Calib.: 2022.12.09

Start Time: 20:25:01

End Time:

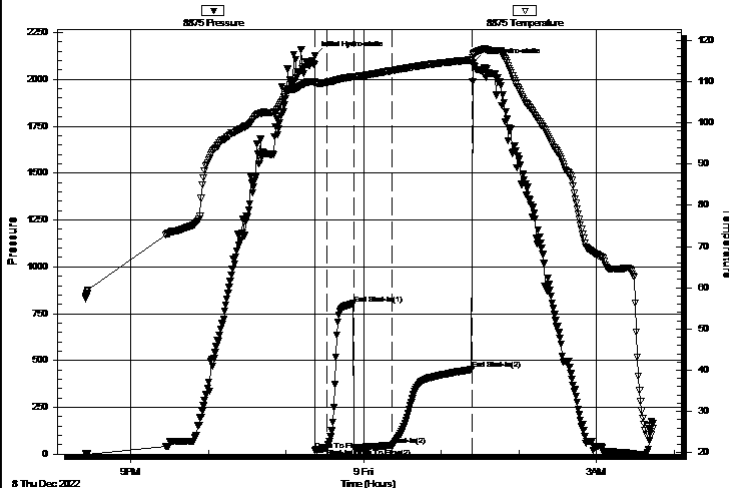
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Time On Btm: 2022.12.08 @ 23:22:22

Time Off Btm: 2022.12.09 @ 01:24:47

TEST COMMENT: 5-IF-Surface to 1.25"
20-ISI-No Return
30-FF-Surface to 3.25"
60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.24	109.95	Initial Hydro-static
1	21.42	109.43	Open To Flow (1)
9	30.85	109.79	Shut-In(1)
30	803.87	111.21	End Shut-In(1)
31	32.52	111.13	Open To Flow (2)
60	46.94	112.68	Shut-In(2)
122	452.47	115.30	End Shut-In(2)
123	2087.01	116.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	HOCM 30%O 70%M	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc
PO Box 162
Russell KS 67665+0162
ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 70010

DST#: 1

Test Start: 2022.12.08 @ 20:25:00

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:22:32

Time Test Ended: 03:43:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 4266.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2878.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 4269.00 ft (KB)

Capacity: psig

Start Date: 2022.12.08

End Date:

2022.12.09

Last Calib.:

2022.12.09

Start Time: 20:25:01

End Time:

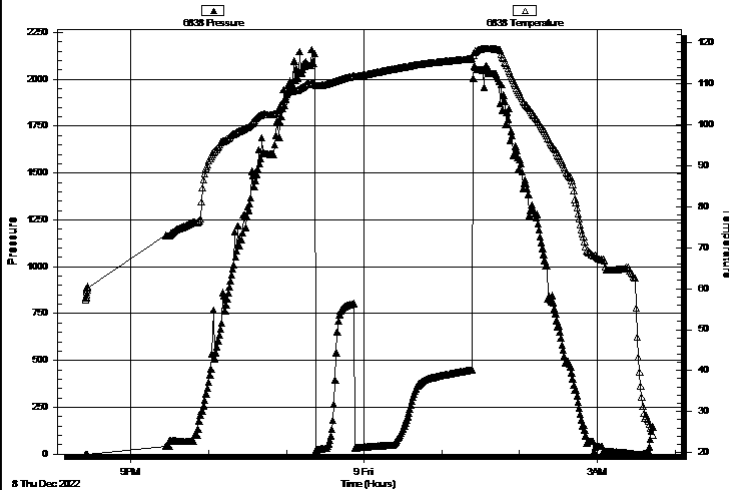
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Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-Surface to 1.25"
20-ISI-No Return
30-FF-Surface to 3.25"
60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
70.00	HOCM 30%O 70%M	0.34

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 70010

DST#: 1

ATTN: Chad Counts

Test Start: 2022.12.08 @ 20:25:00

Tool Information

Drill Pipe:	Length: 4132.00 ft	Diameter: 3.82 inches	Volume: 58.57 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	69000.00 daN
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	61000.00 daN
Depth to Top Packer:	4266.00 ft			Final	61000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	71.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4235.00	
Shut In Tool	5.00			4240.00	
Hydraulic tool	5.00			4245.00	
Jars	5.00			4250.00	
Gap Sub	4.00			4254.00	
Safety Joint	3.00			4257.00	
Packer	5.00			4262.00	32.00 Bottom Of Top Packer
Packer	4.00			4266.00	
Stubb	1.00			4267.00	
Perforations	1.00			4268.00	
Change Over Sub	1.00			4269.00	
Recorder	0.00	6838	Inside	4269.00	
Recorder	0.00	8875	Inside	4269.00	
Drill Pipe	32.00			4301.00	
Change Over Sub	1.00			4302.00	
Bullnose	3.00			4305.00	39.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 70010

DST#: 1

ATTN: Chad Counts

Test Start: 2022.12.08 @ 20:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 1300.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	HOCM 30%O 70%M	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

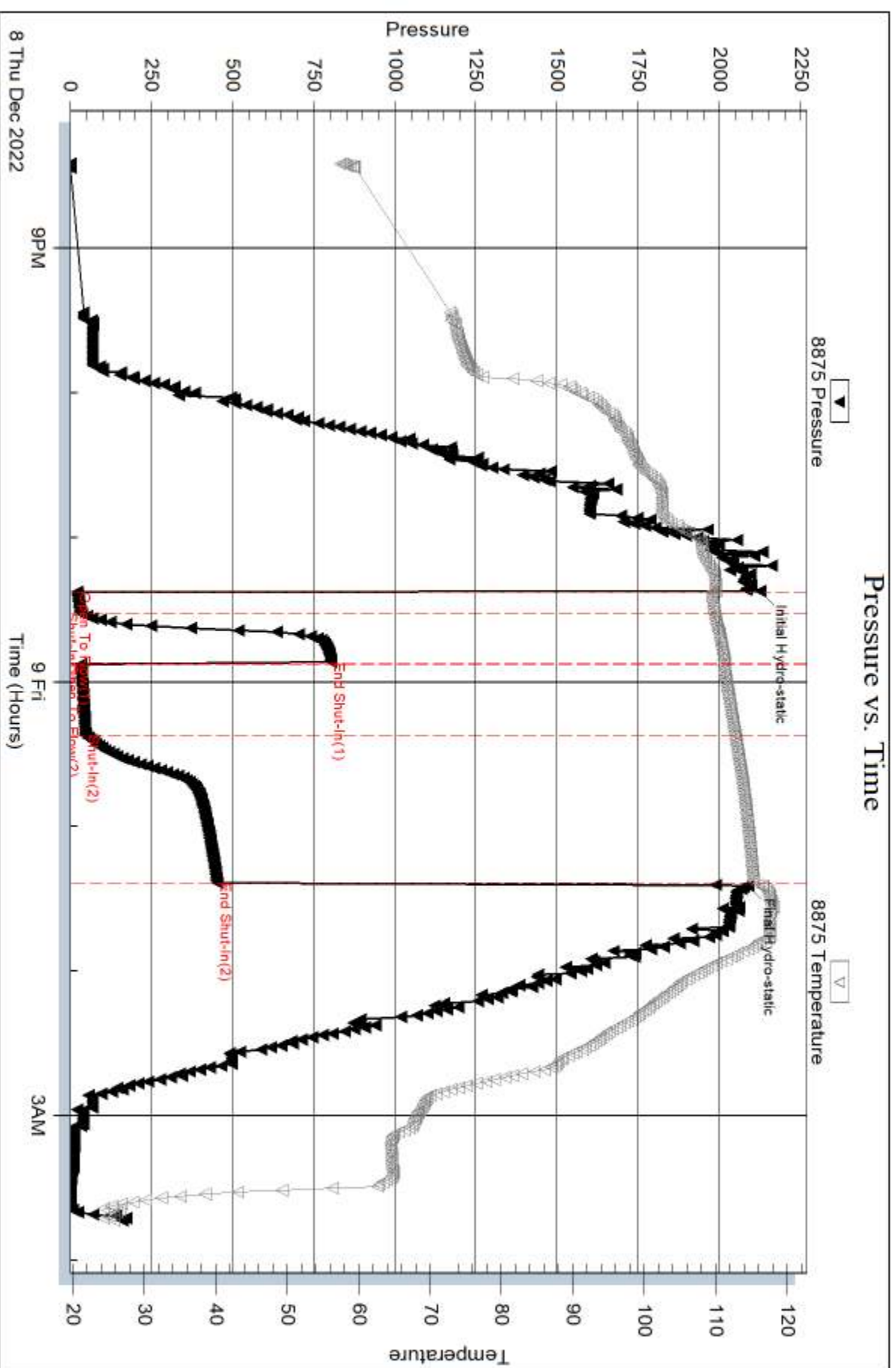
Serial #: 8875

Inside

M/G Oil Inc

Messenger #7-33

DST Test Number: 1



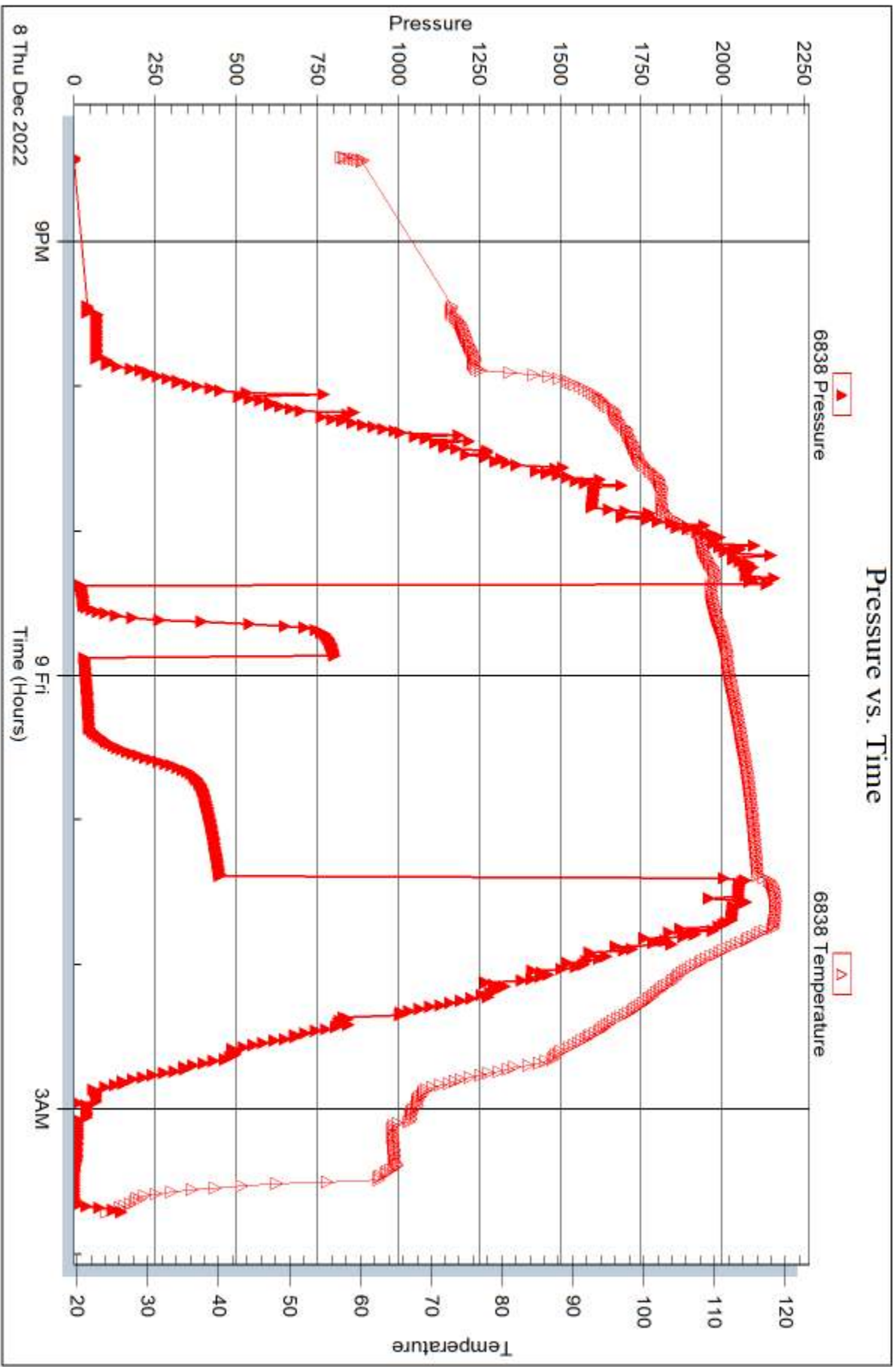
Serial #: 6838

Inside

M G Oil Inc

Messenger #7-33

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **M G Oil Inc**
PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

Messenger #7-33

33-18s-30w Lane KS

Start Date: 2022.12.09 @ 12:30:00
End Date: 2022.12.09 @ 18:58:32
Job Ticket #: 700011 DST #: 2

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

Printed: 2022.12.14 @ 17:07:23



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc

PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 700011

DST#: 2

Test Start: 2022.12.09 @ 12:30:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:27:32

Time Test Ended: 18:58:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4302.00 ft (KB) To 4340.00 ft (KB) (TVD)

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8875 Inside

Press@RunDepth: 56.35 psig @ 4305.00 ft (KB)

Start Date: 2022.12.09

End Date:

2022.12.09

Start Time: 12:30:01

End Time:

18:58:32

Capacity: psig

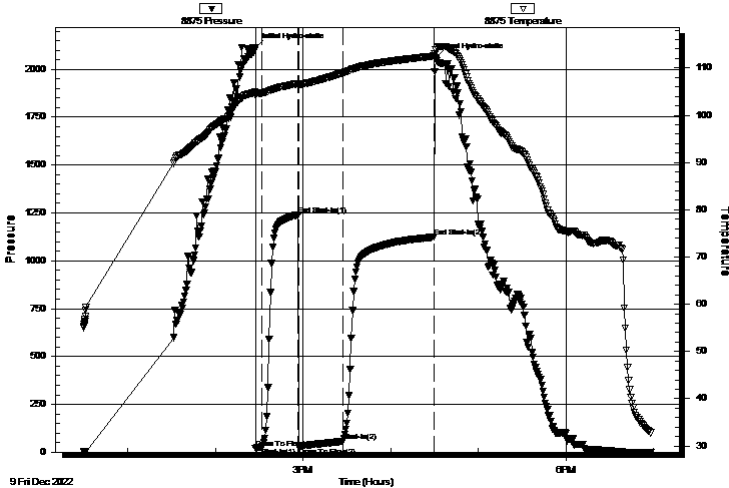
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Time On Btm: 2022.12.09 @ 14:27:27

Time Off Btm: 2022.12.09 @ 16:30:52

TEST COMMENT: 5-IF-Surface to 1.25"
25-ISI-No Return
30-FF-Surface to 3.75"
60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.94	104.87	Initial Hydro-static
1	19.19	104.08	Open To Flow (1)
5	27.01	104.65	Shut-In(1)
30	1239.96	106.67	End Shut-In(1)
31	25.98	106.51	Open To Flow (2)
60	56.35	108.95	Shut-In(2)
123	1123.44	112.53	End Shut-In(2)
124	2060.04	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GMO 10%G 20%M 70%O	0.44
0.00	120 GIP 100%	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc
PO Box 162
Russell KS 67665+0162
ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 700011

DST#: 2

Test Start: 2022.12.09 @ 12:30:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:27:32

Time Test Ended: 18:58:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4302.00 ft (KB) To 4340.00 ft (KB) (TVD)

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 4305.00 ft (KB)

Start Date: 2022.12.09

End Date:

2022.12.09

Start Time: 12:30:01

End Time:

18:58:32

Capacity: psig

Last Calib.:

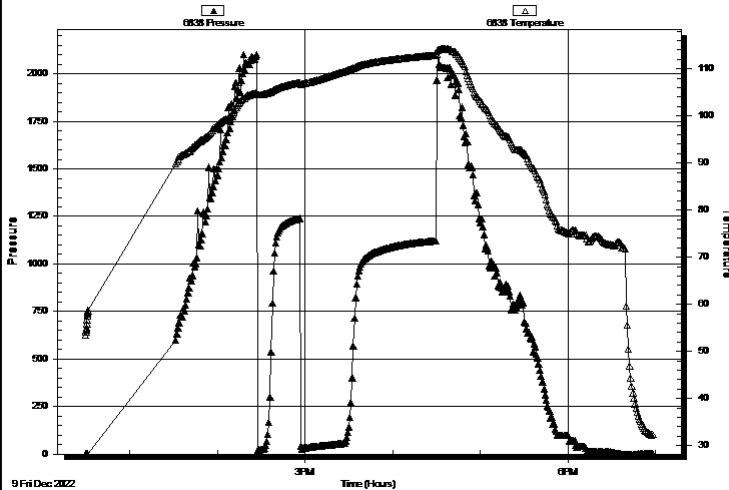
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Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-Surface to 1.25"
25-ISI-No Return
30-FF-Surface to 3.75"
60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GMO 10%G 20%M 70%O	0.44
0.00	120 GIP 100%	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 700011

DST#: 2

ATTN: Chad Counts

Test Start: 2022.12.09 @ 12:30:00

Tool Information

Drill Pipe:	Length: 4164.00 ft	Diameter: 3.82 inches	Volume: 59.03 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	74000.00 daN
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	62000.00 daN
Depth to Top Packer:	4302.00 ft			Final	63000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

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

Change Over Sub	1.00			4271.00	
Shut In Tool	5.00			4276.00	
Hydraulic tool	5.00			4281.00	
Jars	5.00			4286.00	
Gap Sub	4.00			4290.00	
Safety Joint	3.00			4293.00	
Packer	5.00			4298.00	32.00 Bottom Of Top Packer
Packer	4.00			4302.00	
Stubb	1.00			4303.00	
Perforations	1.00			4304.00	
Change Over Sub	1.00			4305.00	
Recorder	0.00	6838	Inside	4305.00	
Recorder	0.00	8875	Inside	4305.00	
Drill Pipe	31.00			4336.00	
Change Over Sub	1.00			4337.00	
Bullnose	3.00			4340.00	38.00 Bottom Packers & Anchor
Total Tool Length:	70.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 700011

DST#: 2

ATTN: Chad Counts

Test Start: 2022.12.09 @ 12:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

33 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GMO 10%G 20%M 70%O	0.443
0.00	120 GIP 100%	0.000

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Serial #: 8875

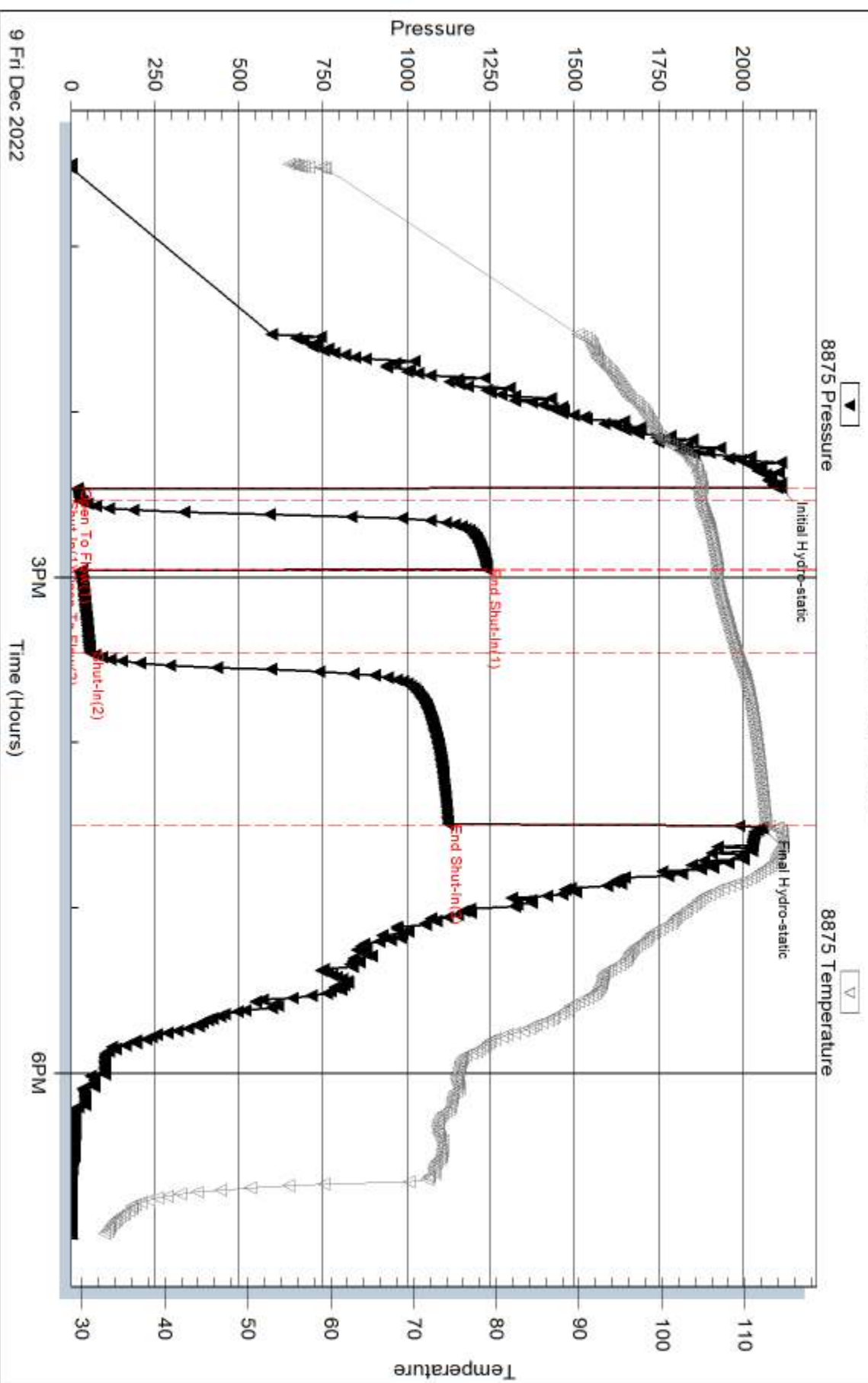
Inside

M/G Oil Inc

Messenger #7-33

DST Test Number: 2

Pressure vs. Time



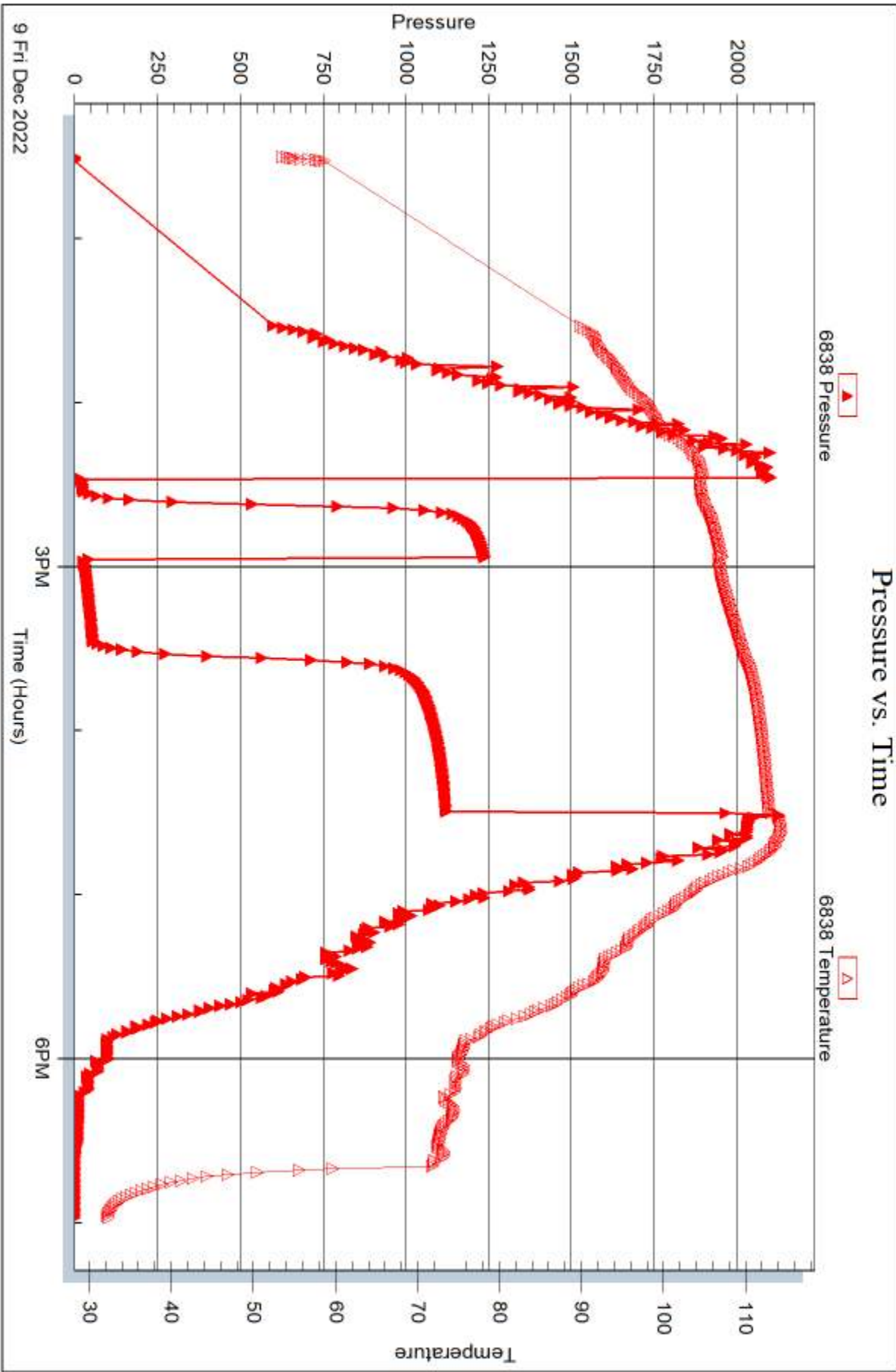
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Inside

M/G Oil Inc

Messenger #7-33

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **M G Oil Inc**
PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

Messenger #7-33

33-18s-30w Lane KS

Start Date: 2022.12.10 @ 12:32:00
End Date: 2022.12.10 @ 17:49:12
Job Ticket #: 70012 DST #: 3

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

Printed: 2022.12.14 @ 17:06:17



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc

PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 70012

DST#: 3

Test Start: 2022.12.10 @ 12:32:00

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:59:57

Time Test Ended: 17:49:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4360.00 ft (KB) To 4420.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD)

2878.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8875 Inside

Press@RunDepth: 21.22 psig @ 4363.00 ft (KB)

Capacity: psig

Start Date: 2022.12.10

End Date:

2022.12.10

Last Calib.: 2022.12.10

Start Time: 12:32:01

End Time:

17:49:11

Time On Btm: 2022.12.10 @ 14:59:47

Time Off Btm: 2022.12.10 @ 15:47:57

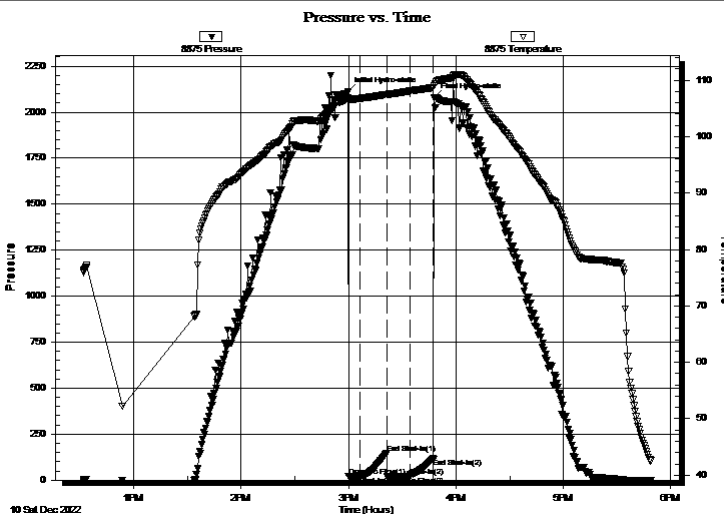
TEST COMMENT: 5-IF-Surface to 0.50"

15-ISI-No Return

15-FF-No Blow

15-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2111.38	106.93	Initial Hydro-static
1	20.46	106.28	Open To Flow (1)
7	21.07	106.74	Shut-In(1)
22	145.74	107.43	End Shut-In(1)
22	20.49	107.44	Open To Flow (2)
35	21.22	108.05	Shut-In(2)
48	117.96	108.68	End Shut-In(2)
49	2077.87	109.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil Spotted Mud 100%M	0.02

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc
PO Box 162
Russell KS 67665+0162
ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 70012

DST#: 3

Test Start: 2022.12.10 @ 12:32:00

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:59:57

Time Test Ended: 17:49:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4360.00 ft (KB) To 4420.00 ft (KB) (TVD)

Reference Elevations: 2885.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD)

2878.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 4363.00 ft (KB)

Capacity: psig

Start Date: 2022.12.10

End Date:

2022.12.10

Last Calib.:

2022.12.10

Start Time: 12:32:01

End Time:

17:49:11

Time On Btm:

Time Off Btm:

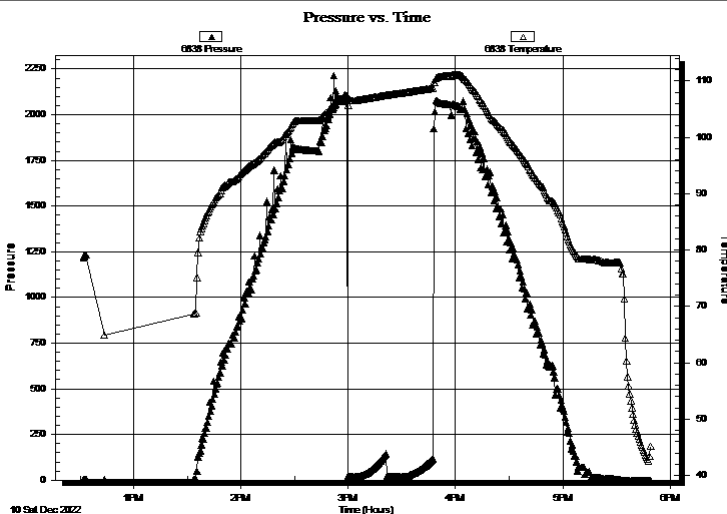
TEST COMMENT: 5-IF-Surface to 0.50"

15-ISI-No Return

15-FF-No Blow

15-FSI-No Return

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil Spotted Mud 100%M	0.02

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 70012

DST#: 3

ATTN: Chad Counts

Test Start: 2022.12.10 @ 12:32:00

Tool Information

Drill Pipe:	Length: 4227.00 ft	Diameter: 3.82 inches	Volume: 59.92 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	82000.00 daN
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	63000.00 daN
Depth to Top Packer:	4360.00 ft			Final	63000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	92.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

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

Change Over Sub	1.00			4329.00	
Shut In Tool	5.00			4334.00	
Hydraulic tool	5.00			4339.00	
Jars	5.00			4344.00	
Gap Sub	4.00			4348.00	
Safety Joint	3.00			4351.00	
Packer	5.00			4356.00	32.00 Bottom Of Top Packer
Packer	4.00			4360.00	
Stubb	1.00			4361.00	
Perforations	1.00			4362.00	
Change Over Sub	1.00			4363.00	
Recorder	0.00	6838	Inside	4363.00	
Recorder	0.00	8875	Inside	4363.00	
Drill Pipe	32.00			4395.00	
Change Over Sub	1.00			4396.00	
Perforations	21.00			4417.00	
Bullnose	3.00			4420.00	60.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 70012

DST#: 3

ATTN: Chad Counts

Test Start: 2022.12.10 @ 12:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil Spotted Mud 100%M	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Serial #: 8875

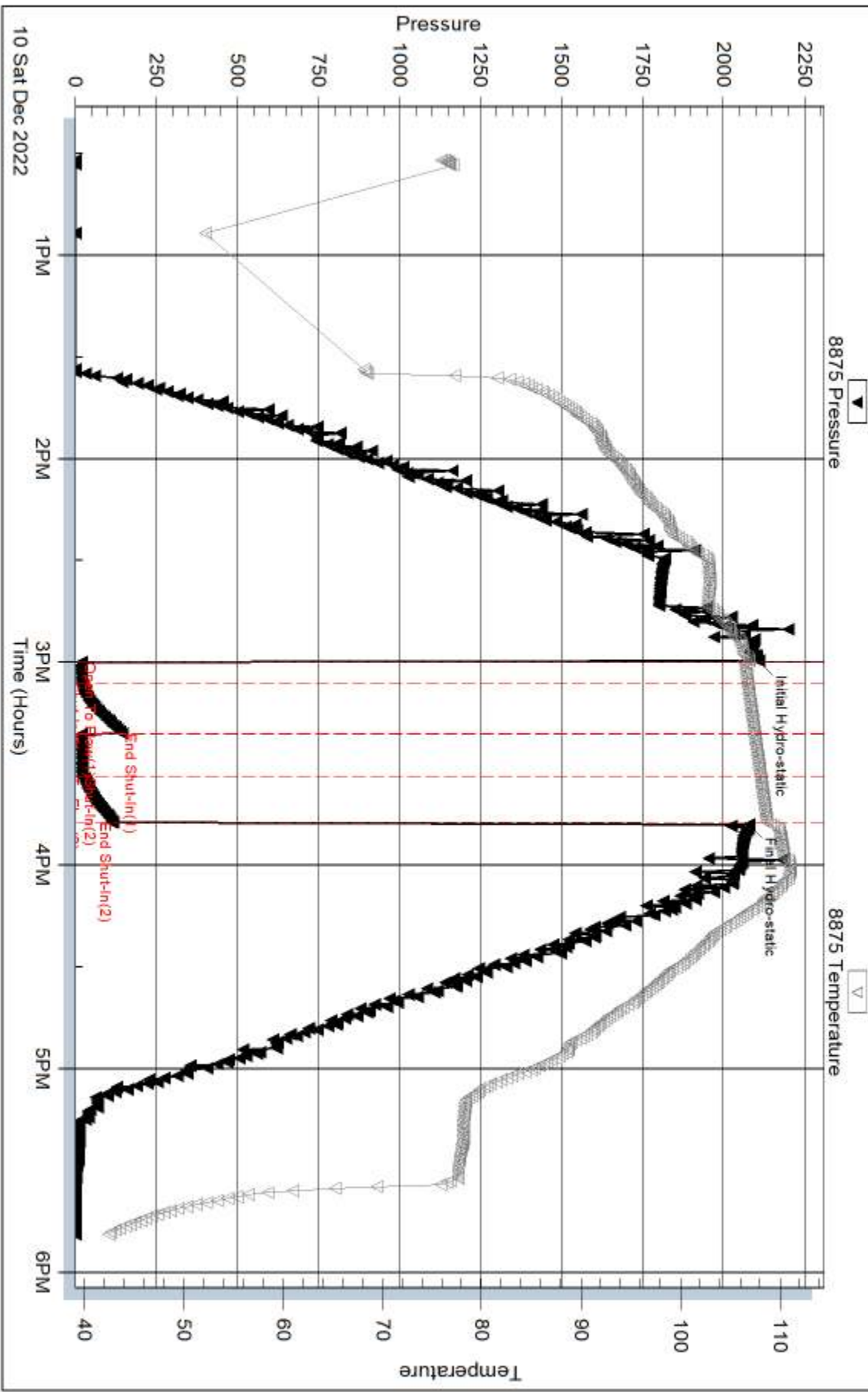
Inside

M G Oil Inc

Messenger #7-33

DST Test Number: 3

Pressure vs. Time



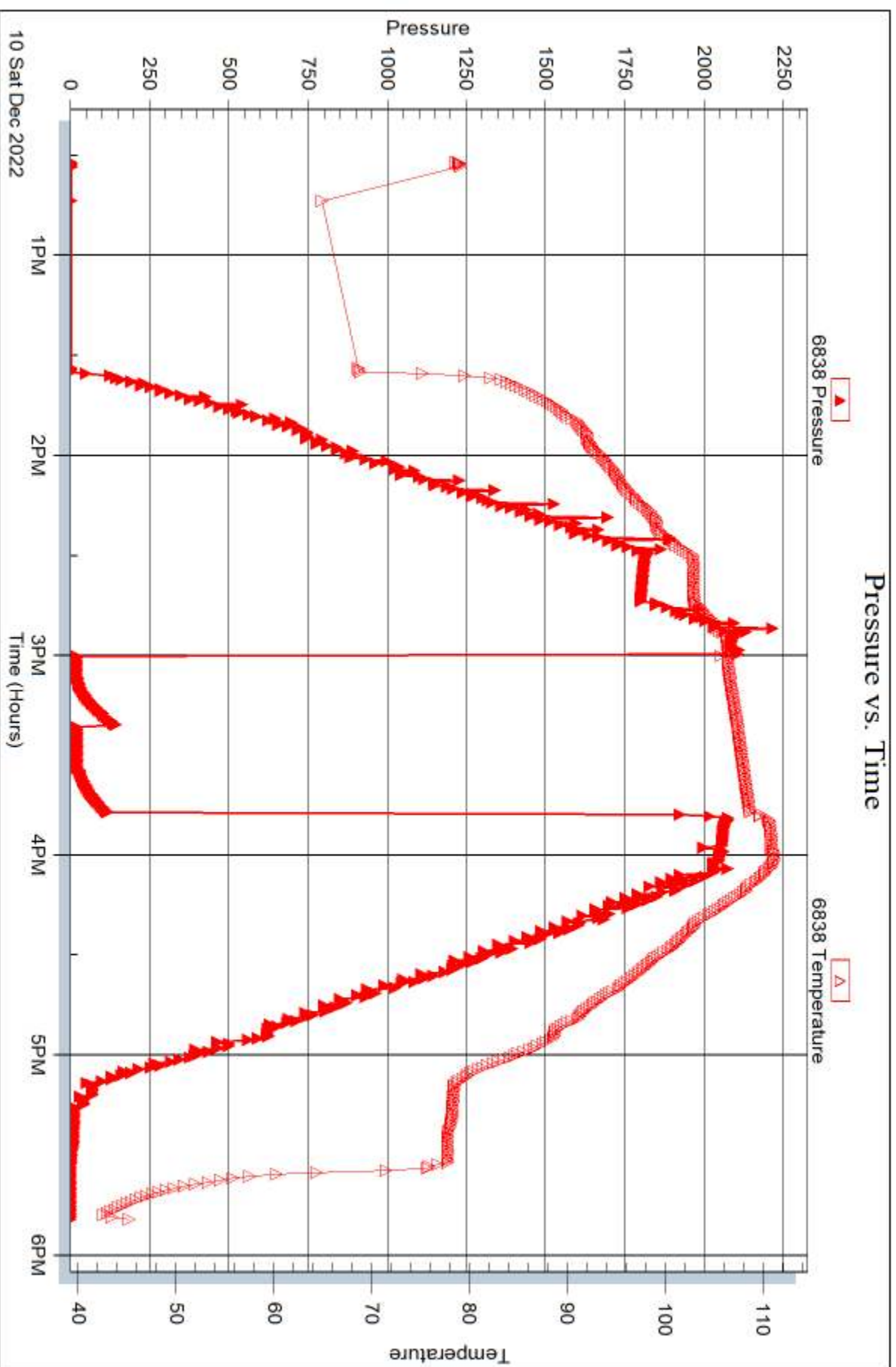
Serial #: 6838

Inside

M G Oil Inc

Messenger #7-33

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **M G Oil Inc**

PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

Messenger #7-33

33-18s-30w Lane KS

Start Date: 2022.12.11 @ 23:45:00

End Date: 2022.12.12 @ 06:39:39

Job Ticket #: 69496 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.12.14 @ 17:05:23



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc
PO Box 162
Russell KS 67665+0162
ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 69496

DST#: 4

Test Start: 2022.12.11 @ 23:45:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:20

Time Test Ended: 06:39:39

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4455.00 ft (KB) To 4500.00 ft (KB) (TVD)

Total Depth: 4621.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press@RunDepth: 32.97 psig @ 4458.00 ft (KB)

Start Date: 2022.12.11

End Date:

2022.12.12

Start Time: 23:45:01

End Time:

06:39:40

Capacity: 8000.00 psig

Last Calib.: 2022.12.12

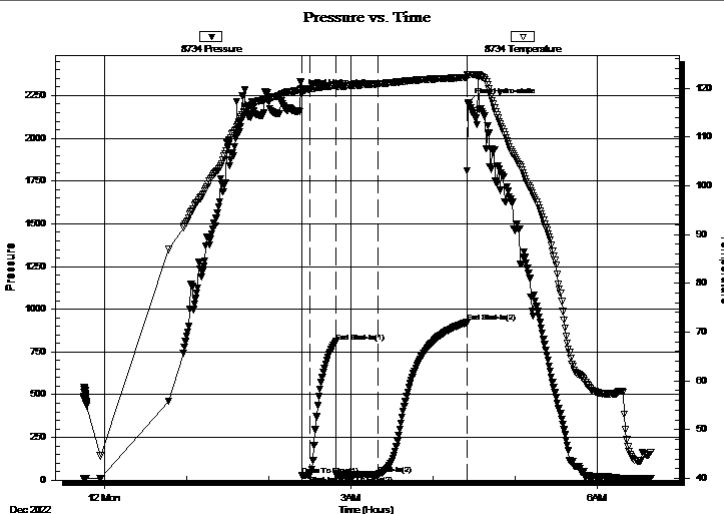
Time On Btm: 2022.12.12 @ 02:24:10

Time Off Btm: 2022.12.12 @ 04:26:10

TEST COMMENT: 5-IF-Blow built to 1/4"
20-ISI- No return
30-FF-Blow built to 1/4"
60-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.75	119.82	Initial Hydro-static
1	27.79	118.65	Open To Flow (1)
6	30.19	119.84	Shut-In(1)
26	810.77	120.53	End Shut-In(1)
26	30.95	120.24	Open To Flow (2)
56	32.97	120.90	Shut-In(2)
121	922.27	122.20	End Shut-In(2)
122	2208.64	122.76	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 12%O, 88%M	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc
PO Box 162
Russell KS 67665+0162
ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 69496

DST#: 4

Test Start: 2022.12.11 @ 23:45:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:20

Time Test Ended: 06:39:39

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4455.00 ft (KB) To 4500.00 ft (KB) (TVD)

Total Depth: 4621.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4458.00 ft (KB)

Start Date: 2022.12.11 End Date: 2022.12.12

Start Time: 23:45:01 End Time: 06:39:40

Capacity: 8000.00 psig

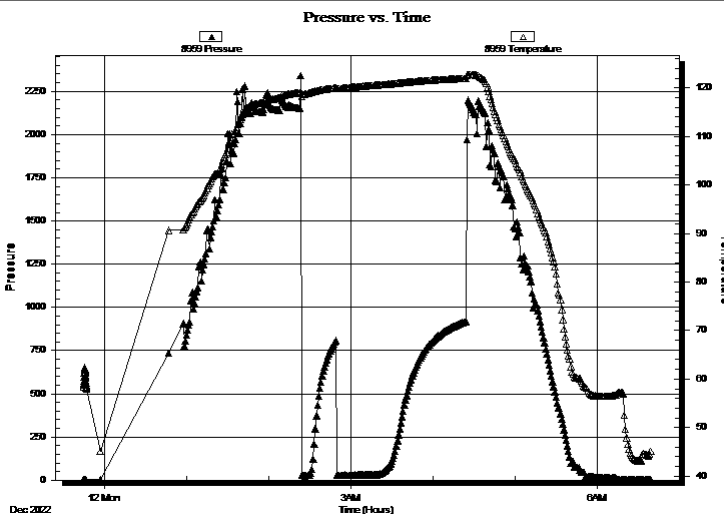
Last Calib.: 2022.12.12

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-Blow built to 1/4"
20-ISI- No return
30-FF-Blow built to 1/4"
60-FSI-No return

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 12%O, 88%M	0.05

Gas Rates

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

* Recovery from multiple tests



M G Oil Inc

ATTN: Chad Counts

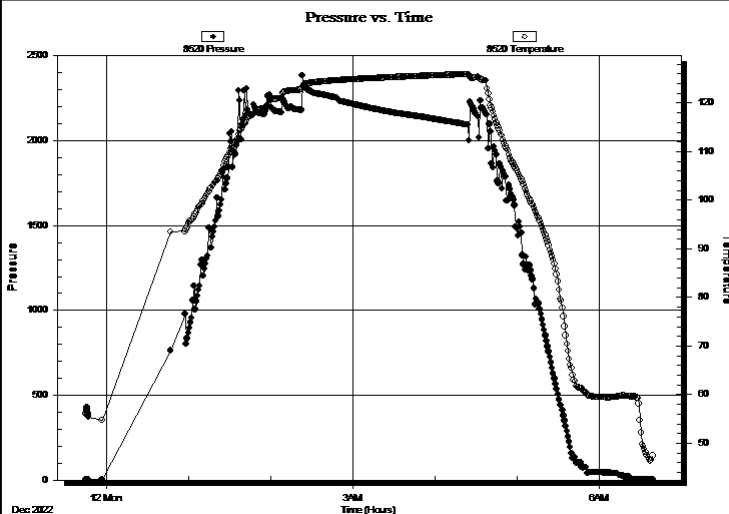
Messenger #7-33

DST#: 4

Test Start: 2022.12.11 @ 23:45:00

KB to GR/CF: 7.00 ft

TEST COMMENT: 5-IF-Blow built to 1/4"
20-ISI- No return
30-FF-Blow built to 1/4"
60-FSI-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 12%O, 88%M	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 69496

DST#: 4

ATTN: Chad Counts

Test Start: 2022.12.11 @ 23:45:00

Tool Information

Drill Pipe:	Length: 4319.00 ft	Diameter: 3.82 inches	Volume: 61.22 bbl	Tool Weight:	3000.00 daN
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 daN
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	75000.00 daN
		Total Volume:	61.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	66000.00 daN
Depth to Top Packer:	4455.00 ft			Final	66000.00 daN
Depth to Bottom Packer:	4497.00 ft				
Interval between Packers:	42.00 ft				
Tool Length:	200.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

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

Change Over Sub	1.00			4423.00	
Shut In Tool	5.00			4428.00	
Hydraulic tool	5.00	1113		4433.00	
Jars	5.00	01-07		4438.00	
EM Tool	5.00			4443.00	
Safety Joint	3.00	-001		4446.00	
Packer	5.00			4451.00	33.00 Bottom Of Top Packer
Packer	4.00			4455.00	
Stubb	1.00			4456.00	
Perforations	1.00			4457.00	
Change Over Sub	1.00			4458.00	
Recorder	0.00	8959	Inside	4458.00	
Recorder	0.00	8734	Outside	4458.00	
Drill Pipe	32.00			4490.00	
Change Over Sub	1.00			4491.00	
Perforations	5.00			4496.00	
Blank Off Sub	1.00			4497.00	42.00 Tool Interval
Packer	5.00			4502.00	
Stubb	1.00			4503.00	
Perforations	16.00			4519.00	
Change Over Sub	1.00			4520.00	
Recorder	0.00	8520	Below	4520.00	
Drill Pipe	96.00			4616.00	
Change Over Sub	1.00			4617.00	
Bullnose	5.00			4622.00	125.00 Bottom Packers & Anchor

Total Tool Length: 200.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 69496

DST#: 4

ATTN: Chad Counts

Test Start: 2022.12.11 @ 23:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 12%O, 88%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

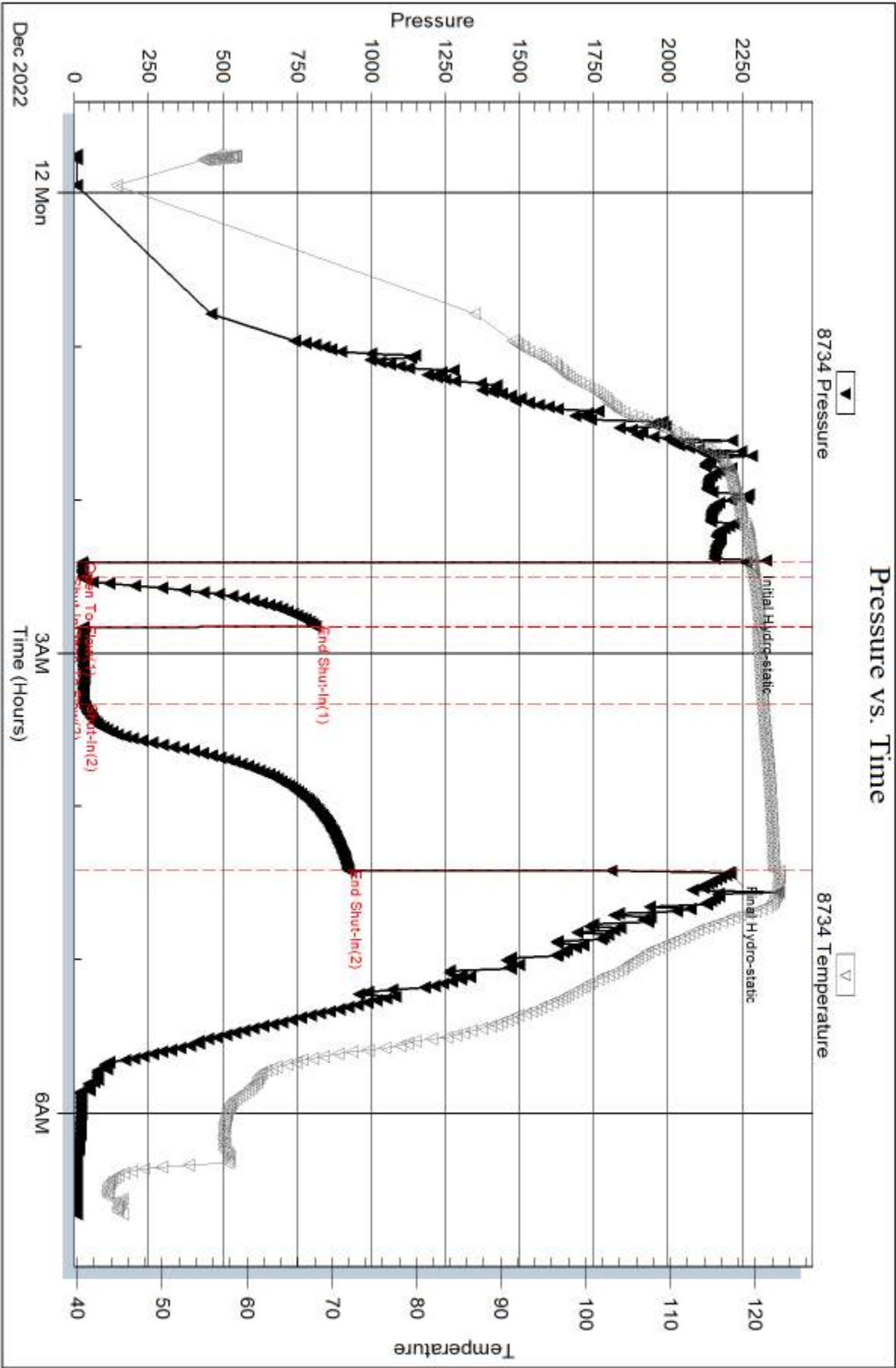
Recovery Comments:

Serial #: 8734

Outside M G Oil Inc

Messenger #7-33

DST Test Number: 4



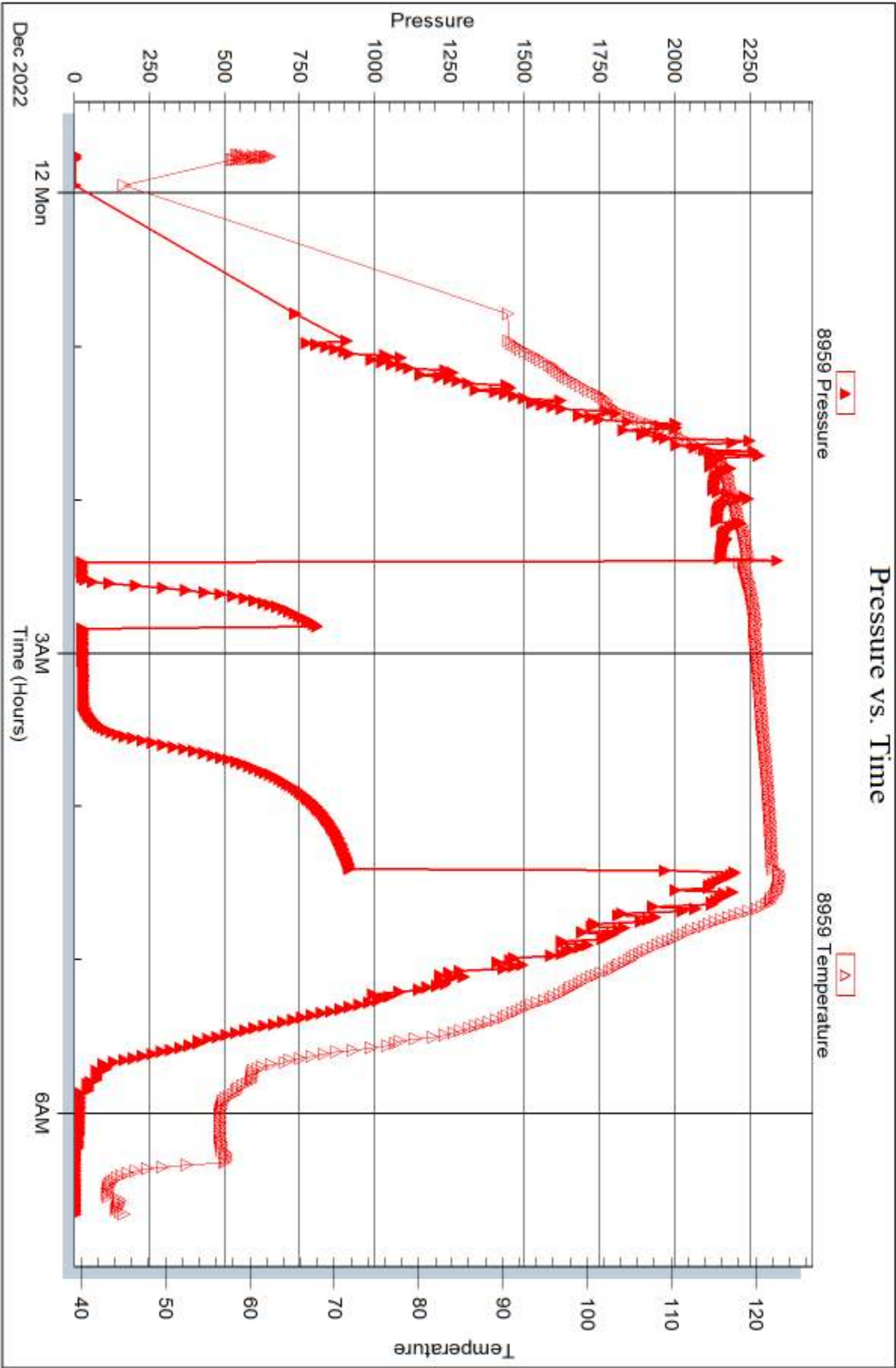
Serial #: 8959

Inside

M/G Oil Inc

Messenger #7-33

DST Test Number: 4

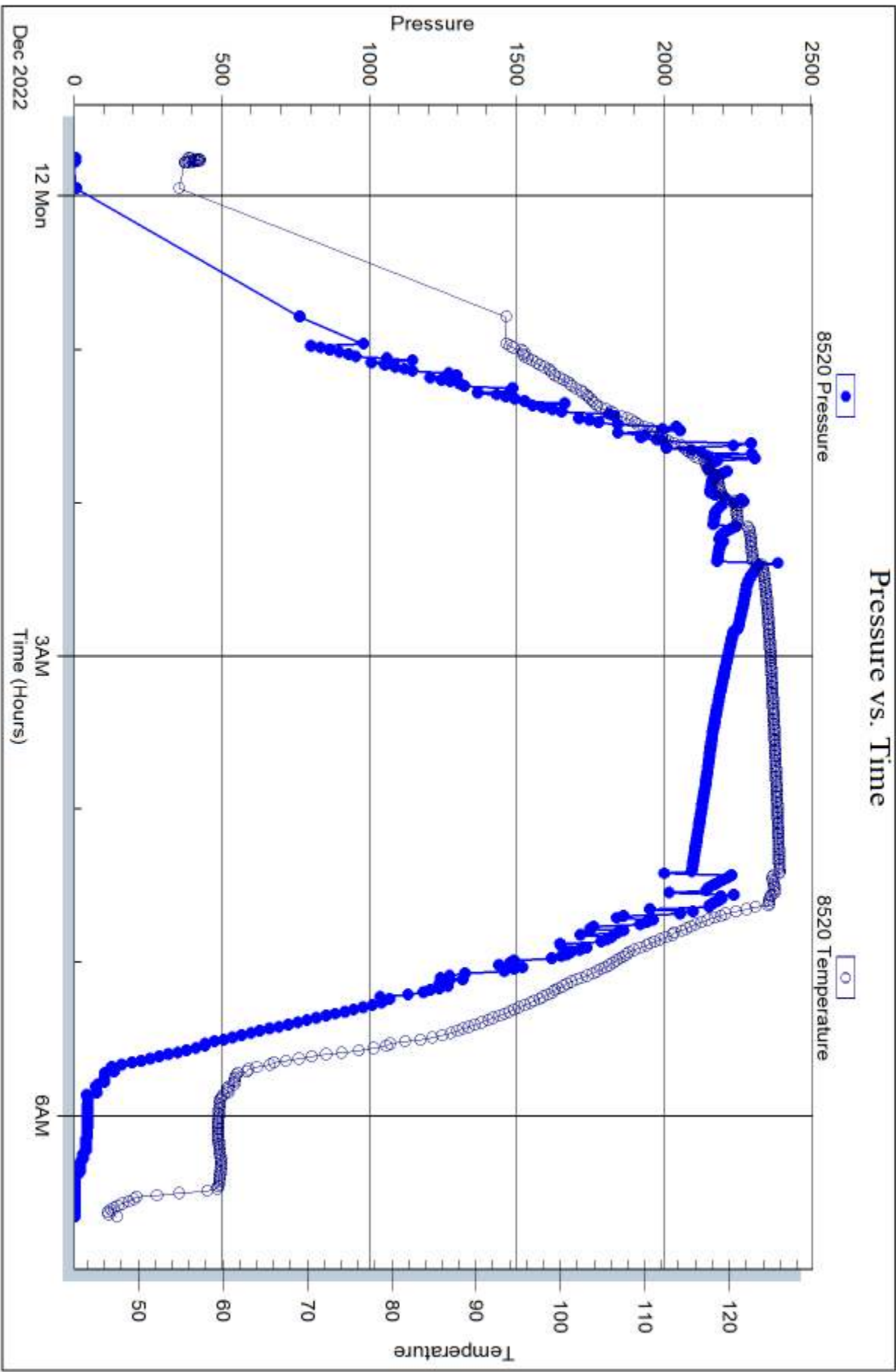


Serial #: 8520

Below (Stratagem) Inc

Messenger #7-33

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **M G Oil Inc**
PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

Messenger #7-33

33-18s-30w Lane KS

Start Date: 2022.12.12 @ 07:05:00
End Date: 2022.12.12 @ 13:31:00
Job Ticket #: 69497 DST #: 5

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

Printed: 2022.12.14 @ 16:59:33



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc
PO Box 162
Russell KS 67665+0162
ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 69497

DST#: 5

Test Start: 2022.12.12 @ 07:05:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:20

Time Test Ended: 13:31:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4330.00 ft (KB) To 4440.00 ft (KB) (TVD)

Total Depth: 4621.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press@RunDepth: 101.63 psig @ 4333.00 ft (KB)

Start Date: 2022.12.12

End Date:

2022.12.12

Start Time: 07:05:01

End Time:

13:31:00

Capacity: 8000.00 psig

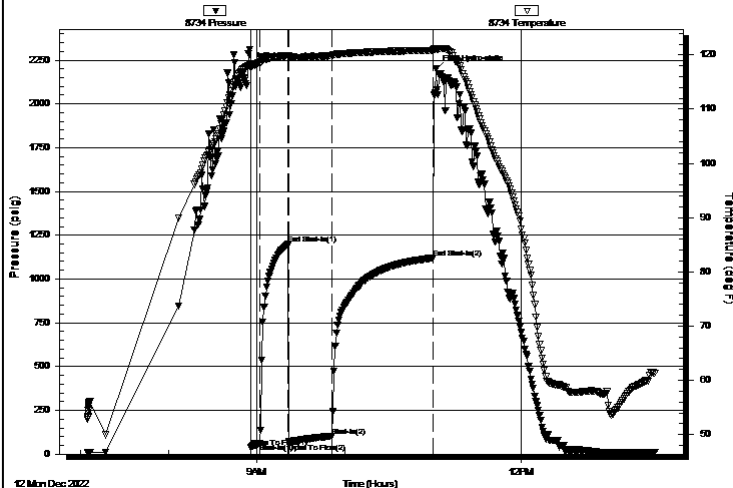
Last Calib.: 2022.12.12

Time On Btm: 2022.12.12 @ 08:56:00

Time Off Btm: 2022.12.12 @ 11:02:20

TEST COMMENT: 5-IF-Blow built to 3"
20-ISI-Surface return blow
30-FF-B.O.B (11 inches) @ 27 mins (blow built to 12")
60-FSI-Surface return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2212.87	118.32	Initial Hydro-static
1	39.84	117.66	Open To Flow (1)
6	59.72	118.60	Shut-In(1)
26	1197.45	119.86	End Shut-In(1)
27	63.88	119.55	Open To Flow (2)
56	101.63	119.87	Shut-In(2)
125	1120.11	120.86	End Shut-In(2)
127	2198.14	121.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	GHOCM 20%G, 27%O, 53%M	0.96
10.00	CO 100% O	0.14

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

M G Oil Inc

PO Box 162
Russell KS 67665+0162

ATTN: Chad Counts

33-18s-30w Lane KS

Messenger #7-33

Job Ticket: 69497

DST#: 5

Test Start: 2022.12.12 @ 07:05:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:20

Time Test Ended: 13:31:00

Test Type: Conventional Straddle (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4330.00 ft (KB) To 4440.00 ft (KB) (TVD)

Total Depth: 4621.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2885.00 ft (KB)

2878.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4333.00 ft (KB)

Start Date: 2022.12.12

End Date:

2022.12.12

Start Time: 07:05:01

End Time:

13:30:50

Capacity: 8000.00 psig

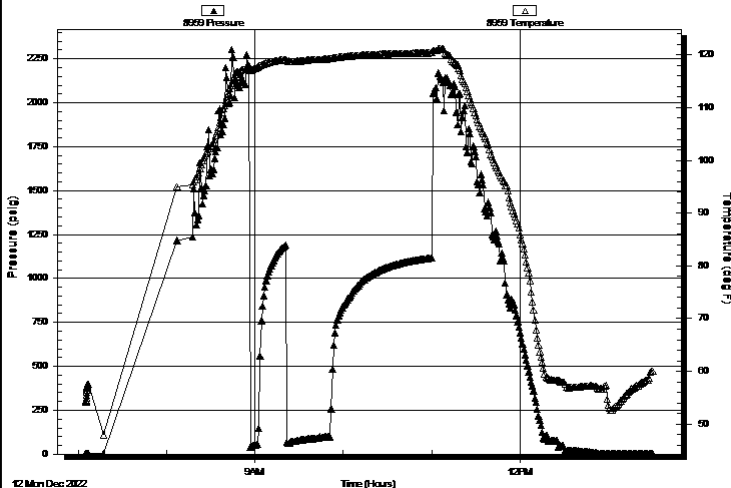
Last Calib.: 2022.12.12

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-Blow built to 3"
20-ISI-Surface return blow
30-FF-B.O.B (11 inches) @ 27 mins (blow built to 12")
60-FSI-Surface return blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
145.00	GHOCM 20%G, 27%O, 53%M	0.96
10.00	CO 100% O	0.14

Gas Rates

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

* Recovery from multiple tests



Test Start: 2022.12.12 @ 07:05:00

KB to GR/CF: 7.00 ft



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 69497

DST#: 5

ATTN: Chad Counts

Test Start: 2022.12.12 @ 07:05:00

Tool Information

Drill Pipe:	Length: 4192.00 ft	Diameter: 3.82 inches	Volume: 59.42 bbl	Tool Weight:	3000.00 daN		
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 daN		
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	95000.00 daN		
			Total Volume:	60.00 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	68000.00 daN	Final	69000.00 daN
Depth to Top Packer:	4330.00 ft						
Depth to Bottom Packer:	4436.00 ft						
Interval between Packers:	106.00 ft						
Tool Length:	324.00 ft						
Number of Packers:	3	Diameter:	6.75 inches				

Tool Comments: Ruined shale packer coming off bottom pulled 27K over STWT

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4298.00	
Shut In Tool	5.00			4303.00	
Hydraulic tool	5.00	1113		4308.00	
Jars	5.00	01-07		4313.00	
EM Tool	5.00			4318.00	
Safety Joint	3.00	-001		4321.00	
Packer	5.00			4326.00	33.00 Bottom Of Top Packer
Packer	4.00			4330.00	
Packer - Shale	0.00			4330.00	
Stubb	1.00			4331.00	
Perforations	1.00			4332.00	
Change Over Sub	1.00			4333.00	
Recorder	0.00	8959	Inside	4333.00	
Recorder	0.00	8734	Outside	4333.00	
Drill Pipe	96.00			4429.00	
Change Over Sub	1.00			4430.00	
Perforations	5.00			4435.00	
Blank Off Sub	1.00			4436.00	106.00 Tool Interval
Packer	5.00			4441.00	
Stubb	1.00			4442.00	
Perforations	14.00			4456.00	
Change Over Sub	1.00			4457.00	
Recorder	0.00	8520	Below	4457.00	
Drill Pipe	159.00			4616.00	
Change Over Sub	0.00			4616.00	
Bullnose	5.00			4621.00	185.00 Bottom Packers & Anchor
Total Tool Length:	324.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

M G Oil Inc

33-18s-30w Lane KS

PO Box 162
Russell KS 67665+0162

Messenger #7-33

Job Ticket: 69497

DST#: 5

ATTN: Chad Counts

Test Start: 2022.12.12 @ 07:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

34 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	GHOCM 20%G, 27%O, 53%M	0.963
10.00	CO 100% O	0.142

Total Length: 155.00 ft

Total Volume: 1.105 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 33.6 @ 56 degs corrected to 34.0 @ 60 degs

Serial #: 8734

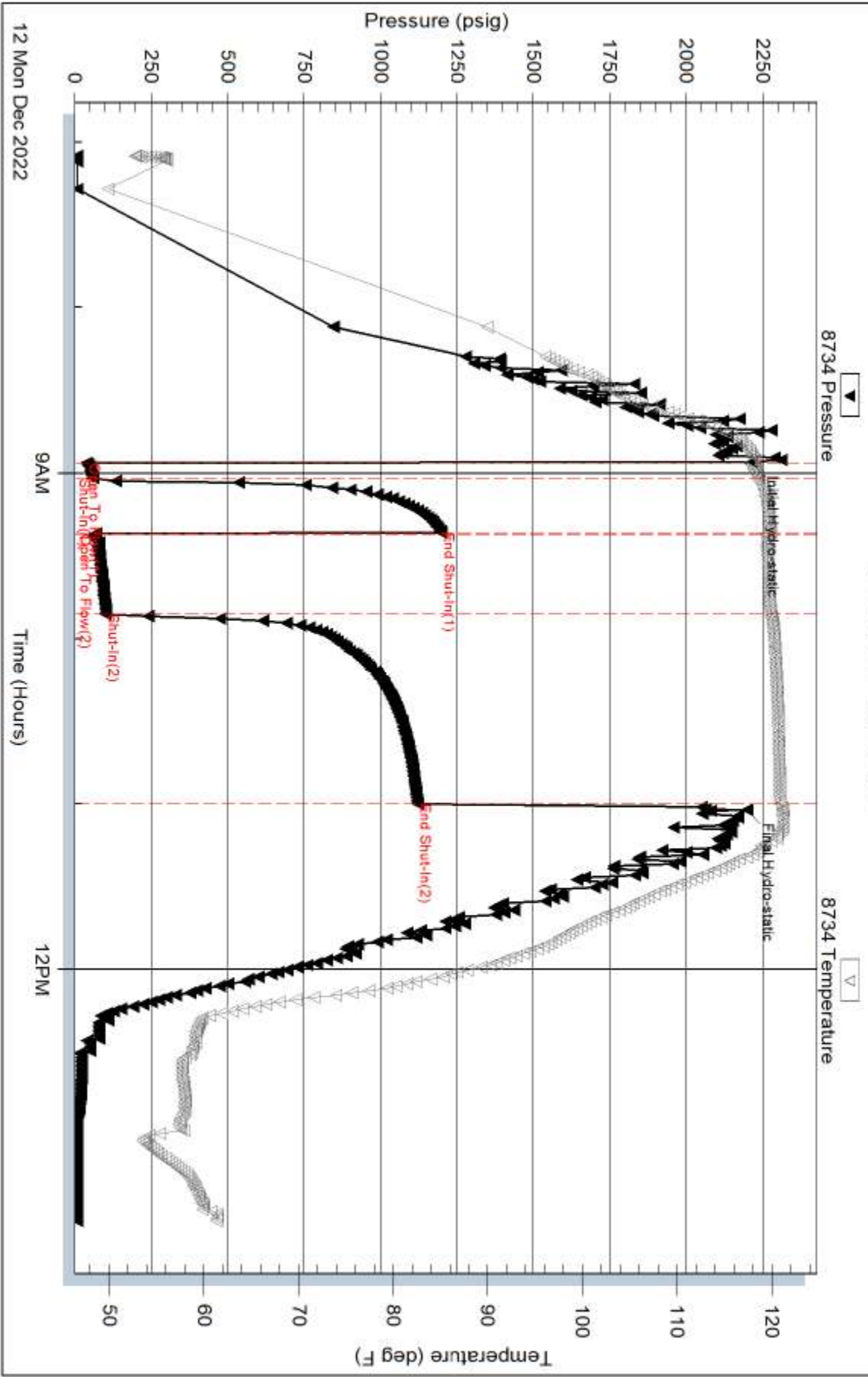
Outside

M/G Oil Inc

Messenger #7-33

DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69497

Printed: 2022.12.14 @ 16:59:34

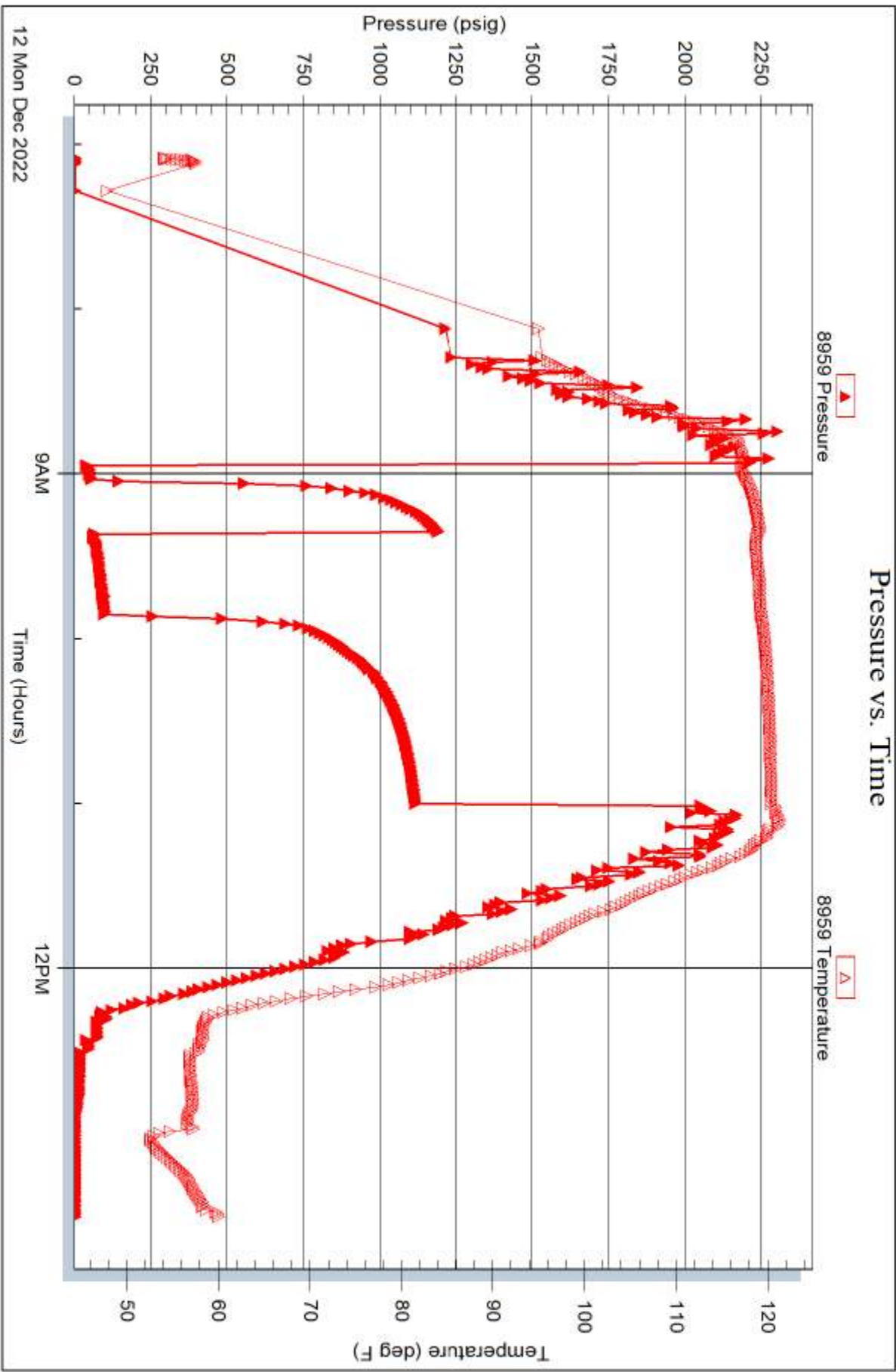
Serial #: 8959

Inside

M/G Oil Inc

Messenger #7-33

DST Test Number: 5

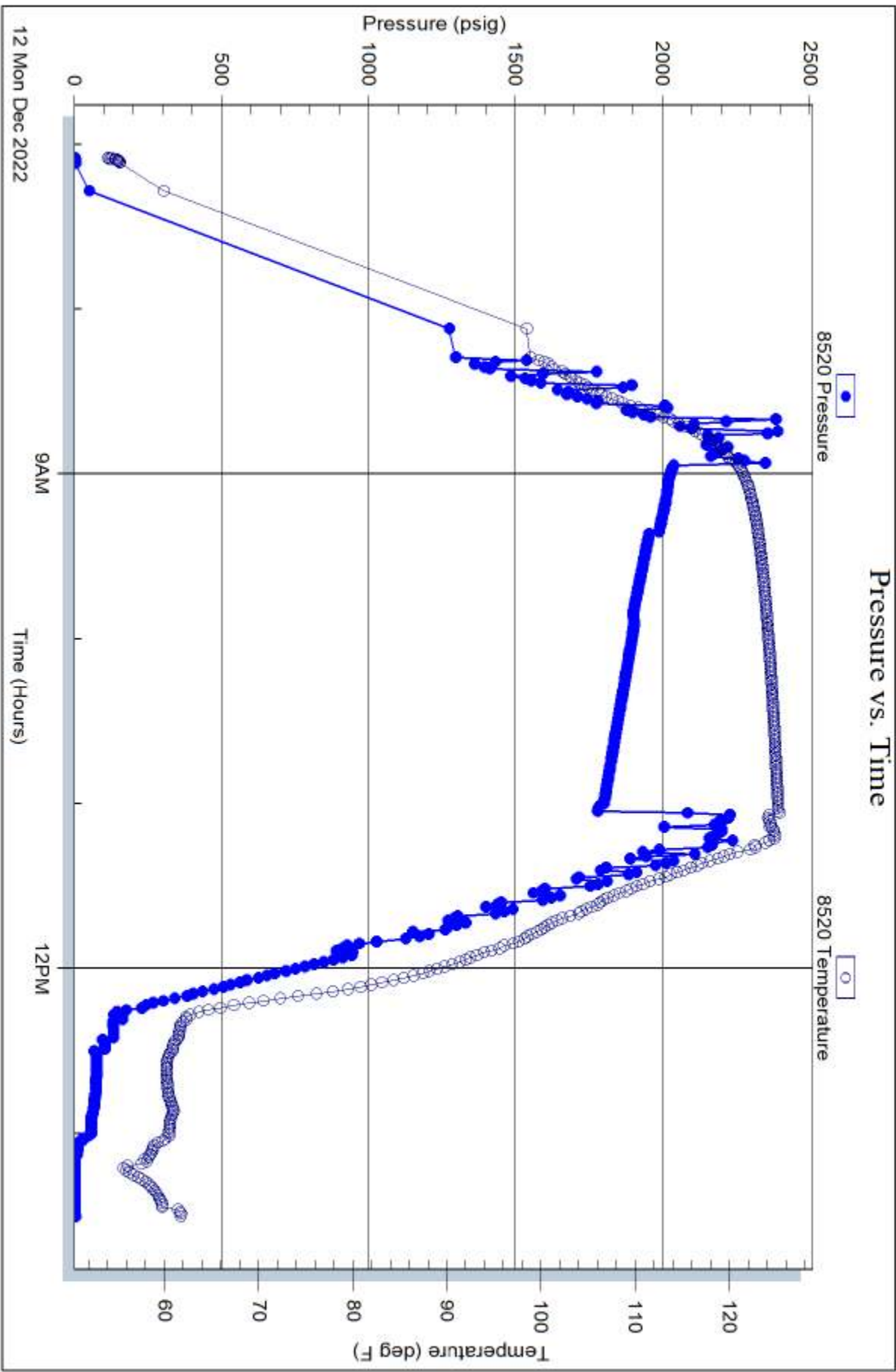


Serial #: 8520

Below (Stratagem) Inc

Messenger #7-33

DST Test Number: 5





**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70010**

Well Name & No. Messenger #7-33 Test No. 1 Date 12/08/2022
 Company M-J Oil Inc Elevation 2885 KB 2878 GL
 Address PO BOX 162 Russell KS 67665-0162
 Co. Rep / Geo Chad Counts Rig S7P #1
 Location: Sec. 33 Twp 184 Rge. 30W Co. lane State KS

Interval Tested 4266' - 4305' Zone Tested L K C L
 Anchor Length 39' Drill Pipe Run 4132' Mud Wt. 9.3
 Top Packer Depth 4261' Drill Collars Run 118' Vis 49
 Bottom Packer Depth 4266' Wt. Pipe Run - WL 6.4
 Total Depth 4305' Chlorides 1300 ppm System LCM 1#

Blow Description J7 - Surface to 1 1/4"
JSD - No Return
J7 - Surface to 3 1/4"
JSD - No Return

Rec <u>70'</u>	Feet of <u>HOCM</u>	%gas <u>30</u>	%oil	%water <u>70</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70' BHT 115° Gravity - API RW - @ - °F Chlorides - ppm
 Initial Hydrostatic 2125 ☒ Test 1950 ☐ Ruined Shale Packer
 Initial Flow 21 to 30 ☒ Jars 300 ☒ Ruined Packer 460
 Initial Shut-In 803 ☐ Circ Sub ☒ Hotel scott shop
 Final Flow 32 to 46 ☐ Hourly Standby ☒ EM Tool Successful
 Final Shut-In 452 ☒ Mileage 3427 59.50 ☐ Accessibility
 Final Hydrostatic 2087 ☐ Sampler ☐ Gas Sample
 T-On Location 18:05 ☐ Straddle ☐ Sub Total 460
 Initial Flow 5 T-Started 20:25 ☐ Shale Packer ☐ Total 2769.50
 Initial Shut-In 20 T-Open 23:19 ☐ Extra Packer ☐ Tool Loaded @
 Final Flow 30 T-Pulled 01:14 ☐ Extra Recorder ☐ MP/DST Disc't
 Final Shut-In 60 T-Out 03:41 ☐ Day Standby

Comments _____

Approved By _____ Our Representative Spencer J. Stahl Thanks!

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785-259-0056



**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70011**

Well Name & No. Messenger #7-33 Test No. 2 Date 12/09/2022
Company M J Oil Inc Elevation 2885 KB 2878 GL
Address PO BOX 162 Russell KS 67665 +0162
Co. Rep / Geo Chad Counts Rig 87P#1
Location: Sec. 33 Twp 18S Rge. 30W Co. Lane State KS

Interval Tested 4302' - 4340' Zone Tested Pleasanton
Anchor Length 38' Drill Pipe Run _____ Mud Wt. 9.2
Top Packer Depth 4297' Drill Collars Run 118' Vis 46
Bottom Packer Depth 4302' Wt. Pipe Run - WL 7.2
Total Depth 4340' Chlorides 2000 ppm System LCM 1#

Blow Description 17-Surface to 1 1/4"
JSI - No Return
17-Surface to 3 3/4"
JSI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>90'</u>	<u>GMO</u>	<u>10</u>	<u>70</u>	<u>20</u>	<u>0</u>
<u>120'</u>	<u>GIP</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 90' BHT 112° Gravity 33° API RW - @ - °F Chlorides - ppm

Initial Hydrostatic 2112 ☒ Test 1950 ☐ Ruined Shale Packer _____

Initial Flow 19 to 27 ☒ Jars 300 ☐ Ruined Packer _____

Initial Shut-In 1239 ☐ Circ Sub _____ ☒ Hotel Scott's shop

Final Flow 25 to 56 ☐ Hourly Standby _____ ☒ EM Tool Successful _____

Final Shut-In 1123 ☒ Mileage 34.27 59.50 ☐ Accessibility _____

Final Hydrostatic 2060 ☐ Sampler _____ ☐ Gas Sample _____

T- On Location 12:08 ☐ Straddle _____ ☐ Sub Total 0

Initial Flow 5 T-Started 12:30 ☐ Shale Packer _____ ☐ Total 2309.50

Initial Shut-In 25 T-Open 14:25 ☐ Extra Packer _____ ☐ Tool Loaded _____ @ _____

Final Flow 30 T-Pulled 16:25 ☐ Extra Recorder _____ ☐ MP/DST Disc't _____

Final Shut-In 60 T-Out 18:57 ☐ Day Standby _____

Comments _____

Approved By _____ Our Representative Spencer J. Fiala Thanks!

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785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70012

Well Name & No. Messenger #7-33 Test No. 3 Date 12/10/2022
 Company M J Oil Inc Elevation 2885 KB 2878 GL
 Address PO BOX 162 Russell KS 67665 + 0162
 Co. Rep / Geo Chad Counts Rig S7P#1
 Location: Sec. 33 Twp 18N Rge. 30W Co. Lane State KS

Interval Tested 4360' - 4420' Zone Tested Altamont
 Anchor Length 60' Drill Pipe Run 4627' Mud Wt. 9.2
 Top Packer Depth 4355' Drill Collars Run 118' Vis 56
 Bottom Packer Depth 4360' Wt. Pipe Run — WL 7.2
 Total Depth 4420' Chlorides 1500 ppm System LCM #

Blow Description 77-Surface to 1/2"

78D - No Return

77 - No Blow

78D - No Return

Rec <u>5'</u>	Feet of <u>Oil Spotted Mud</u>	%gas	%oil	%water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 108° Gravity — API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 2111 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 20 to 21 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 145 ☐ Circ Sub ☒ Hotel Scott Shop

Final Flow 20 to 21 ☐ Hourly Standby ☒ EM Tool Successful

Final Shut-In 117 ☒ Mileage 68.27 59.50+59.50 ☐ Accessibility

Final Hydrostatic 2077 ☐ Sampler ☐ Gas Sample

T- On Location 10:40 ☐ Straddle ☐ Sub Total 0

Initial Flow 5 T-Started 12:32 ☐ Shale Packer ☐ Total 2369

Initial Shut-In 15 T-Open 14:57 ☐ Extra Packer ☒ Tool Loaded 12/10 @ 18:30

Final Flow 15 T-Pulled 15:47 ☐ Extra Recorder ☐ MP/DST Disc't

Final Shut-In 15 T-Out 17:47 ☐ Day Standby

Comments Went to Rig; Decision was made to fix mud; Drove back to Scott and waited on Rig

Approved By _____ Our Representative Spencer J. Stank Thanks!

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785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69496

Well Name & No. Messenger #7-33 Test No. 4 Date 12-11-22
Company MG Oil Inc Elevation 2885 KB 2878 GL
Address P.O. Box 162 Russell, KS. 67665
Co. Rep / Geo. Chad Counts Rig STP#1
Location: Sec. 33 Twp 18 Rge. 30 Co. Lanc State KS.

Interval Tested 4455-4500 Zone Tested Ft. Scott
Anchor Length 45' 121' T. Pipe Drill Pipe Run 4319 Mud Wt. 9.3
Top Packer Depth 4450 - 4455 (shale) Drill Collars Run 118 Vis 58
Bottom Packer Depth 4500 Wt. Pipe Run — WL 8.0
Total Depth 4621 C.T.D Chlorides 2220 ppm System LCM 1#

Blow Description FF - Blow built to 1/4"

ISE - No return

FF - Blow built to 1/4"

ISE - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>DCU</u>	<u>12</u>		<u>88</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 123 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2264

(B) First Initial Flow 28

(C) First Final Flow 30

(D) Initial Shut-In 811

(E) Second Initial Flow 31

(F) Second Final Flow 33

(G) Final Shut-In 922

(H) Final Hydrostatic 2209

Initial Open 5

Initial Shut-In 20

Final Flow 30

Final Shut-In 60

☒ Test 1950

☒ Jars 300

☒ Safety Joint

☐ Circ Sub

☐ Hourly Standby

☒ Mileage 35 RT 59.50

☐ Sampler

☒ Straddle 800

☒ Shale Packer 250

☐ Extra Packer

☐ Extra Recorder

☐ Day Standby

☐ Accessibility

Sub Total 3359.50

T-On Location 22:00

T-Started 23:45

T-Open 02:24

T-Pulled 04:19

T-Out 06:40

Comments

☒ EM Tool

☐ Ruined Shale Packer

☐ Ruined Packer

☐ Extra Copies

Sub Total 0

Total 3359.50

MP/DST Disc't

Approved By

Our Representative [Signature]

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TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69497**

Well Name & No. Messenger #7-33 Test No. 5 Date 12-12-22
 Company MG Oil INC Elevation 2885 KB 2878 GL
 Address P.O. Box 162 Russell, KS 67665
 Co. Rep / Geo. Chad Counts Rig STP#1
 Location: Sec. 33 Twp 18 Rge. 30 Co. Lane State KS

Interval Tested 4330-4440 Zone Tested Pawnee
 Anchor Length 110' 181' T. pipe Drill Pipe Run 4192 Mud Wt. 9.3
 Top Packer Depth 4325 - 4330 (Shale) Drill Collars Run 118 Vis 58
 Bottom Packer Depth 4440 Wt. Pipe Run — WL 8.0
 Total Depth 4621 L.T.D Chlorides 2000 ppm System LCM 1#

Blow Description FF - Blow built to 3"

ISI - Return Surface blow

FF - B.O.B (11 inches) @ 27 mins (blow built to 12")

ESI - Return Surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>145</u>	<u>6400M</u>	<u>20</u>	<u>27</u>	<u>53</u>	
<u>10</u>	<u>60</u>	<u>100</u>			

Rec Total 155 BHT 121 Gravity 34.0 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2213
 (B) First Initial Flow 40
 (C) First Final Flow 60
 (D) Initial Shut-In 1197
 (E) Second Initial Flow 64
 (F) Second Final Flow 102
 (G) Final Shut-In 1120
 (H) Final Hydrostatic 2198

☒ Test 1950
☒ Jars 300
☒ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 35 RT
☐ Sampler
☒ Straddle 800
☒ Shale Packer 250
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 3300

T-On Location 06:40 Back to Back
 T-Started 07:05
 T-Open 08:56
 T-Pulled 10:51
 T-Out 12:30
 Comments Ruined Shale Packer
coming off bottom 27K over STWT
Tool is loaded @ 4100
☒ EM Tool
☒ Ruined Shale Packer 550
☐ Ruined Packer
☐ Extra Copies
 Sub Total 550
 Total 3850
 MP/DST Disc't —

Initial Open 5
 Initial Shut-In 20
 Final Flow 36
 Final Shut-In 60

Approved By —

Our Representative —

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