

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	CARTER 1-2
Doc ID	1763353

All Electric Logs Run

Compensated Density/Neutron Log
Dual Induction Log
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	CARTER 1-2
Doc ID	1763353

Tops

Name	Top	Datum
Anhydrite	1878	+572
Base Anhydrite	1916	+534
Stotler	3291	-841
Heebner	3686	-1236
Lansing	3726	-1276
Stark	3968	-1518
Base Kansas City	4029	-1579
Fort Scott	4222	-1772
Cherokee	4246	-1796
Mississippi	4326	-1876

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	CARTER 1-2
Doc ID	1763353

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	12.875	8.625	23	304	H-325	250	



Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #1 Formation: Lansing (E) Test Interval: 3798 - 3818' Total Depth: 3818'

Time On: 02:25 12/30 Time Off: 09:48 12/30
Time On Bottom: 04:47 12/30 Time Off Bottom: 07:47 12/30

Electronic Volume
Estimate:
187'

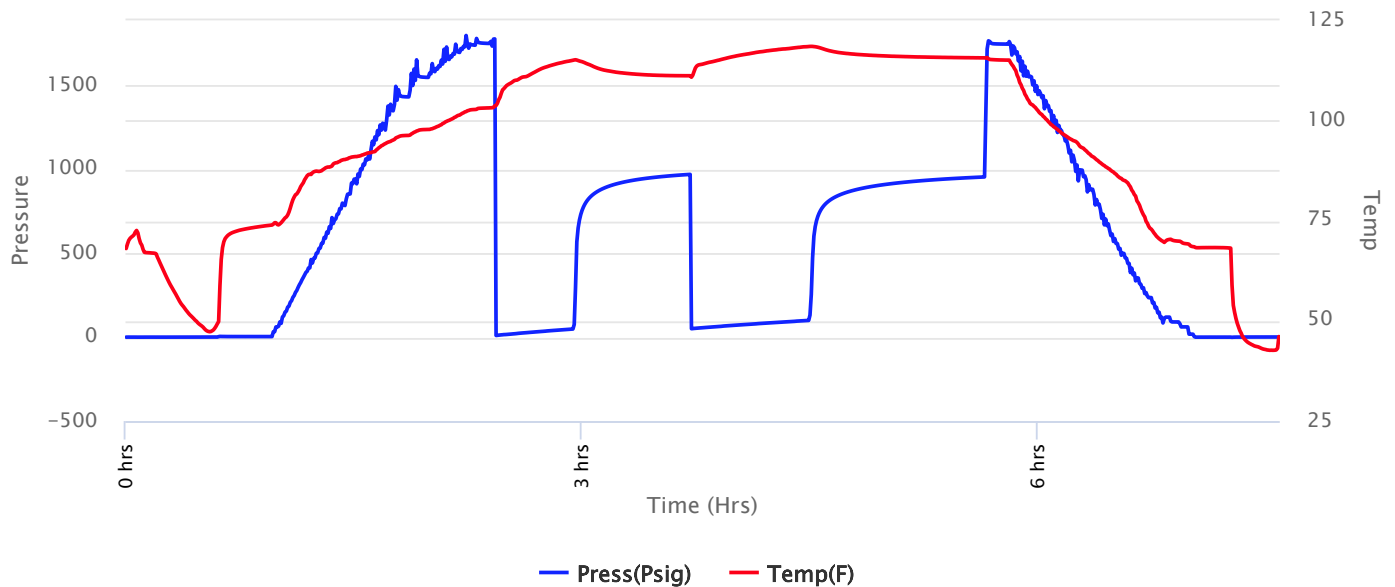
1st Open
Minutes: 30
Current Reading:
9.0" at 30 min
Max Reading: 9.0"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
9.6" at 45 min
Max Reading: 9.6"

2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
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Operation:

Test Complete

DATE

December

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2023

DST #1 Formation: Lansing (E) Test Interval: 3798 - 3818' Total Depth: 3818'

Time On: 02:25 12/30

Time Off: 09:48 12/30

Time On Bottom: 04:47 12/30

Time Off Bottom: 07:47 12/30

Recovered

Foot

BBLs

200

2.052

Description of Fluid

SLMCW

Gas %

0

Oil %

0

Water %

85

Mud %

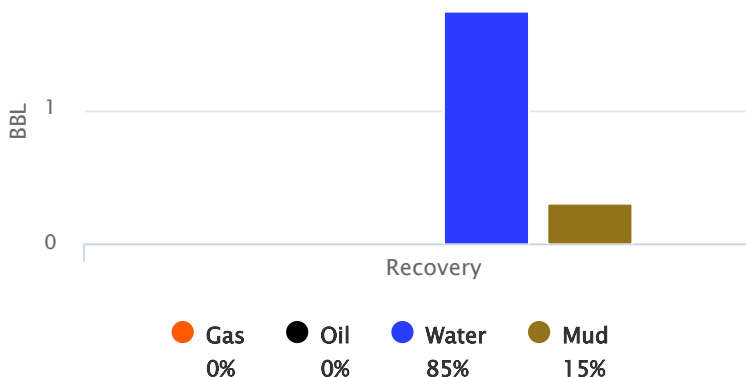
15

Total Recovered: 200 ft

Total Barrels Recovered: 2.052

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1777	PSI
Initial Flow	11 to 49	PSI
Initial Closed in Pressure	970	PSI
Final Flow Pressure	51 to 100	PSI
Final Closed in Pressure	954	PSI
Final Hydrostatic Pressure	1766	PSI
Temperature	119	°F

Pressure Change Initial	1.6	%
Close / Final Close		

GIP cubic foot volume: 0



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #1

**Formation: Lansing
(E)**

**Test Interval: 3798 -
3818'**

Total Depth: 3818'

Time On: 02:25 12/30

Time Off: 09:48 12/30

Time On Bottom: 04:47 12/30

Time Off Bottom: 07:47 12/30

BUCKET MEASUREMENT:

1st Open: WsB built to 9.0in in 30min

1st Close: No Blowback

2nd Open: WsB built to 9.6in in 45min

2nd Close: No Blowback

REMARKS:

Tool Sample: 0% Gas 0% Oil 100% Water 0% Mud

Chlorides: 14000 ppm



Test Complete

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

December

2023

DST #1	Formation: Lansing (E)	Test Interval: 3798 - 3818'	Total Depth: 3818'
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Time On: 02:25 12/30 Time Off: 09:48 12/30
Time On Bottom: 04:47 12/30 Time Off Bottom: 07:47 12/30

Down Hole Makeup

Packer 1: 3792.5 FT

Packer 2: 3798 FT

ID-3 1/4

Top Recorder: 3781.42 FT

Weight Pipe: FT

Bottom Recorder: 3798 FT

ID-2 7/8

Collars: FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 34.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 20

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 19 FT

4 1/2-FH



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #1	Formation: Lansing (E)	Test Interval: 3798 - 3818'	Total Depth: 3818'
	Time On: 02:25 12/30	Time Off: 09:48 12/30	
	Time On Bottom: 04:47 12/30	Time Off Bottom: 07:47 12/30	

Mud Properties

Mud Type: Chem

Weight: 8.8

Viscosity: 60

Filtrate: 6.0

Chlorides: 2500 ppm



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #1

**Formation: Lansing
(E)**

**Test Interval: 3798 -
3818'**

Total Depth: 3818'

Time On: 02:25 12/30

Time Off: 09:48 12/30

Time On Bottom: 04:47 12/30

Time Off Bottom: 07:47 12/30

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #2

Formation: Lansing
(H-J)

Test Interval: 3872 -
3957'

Total Depth: 3957'

Time On: 23:36 12/30

Time Off: 05:53 12/31

Time On Bottom: 01:54 12/31

Time Off Bottom: 03:54 12/31

Electronic Volume
Estimate:
0'

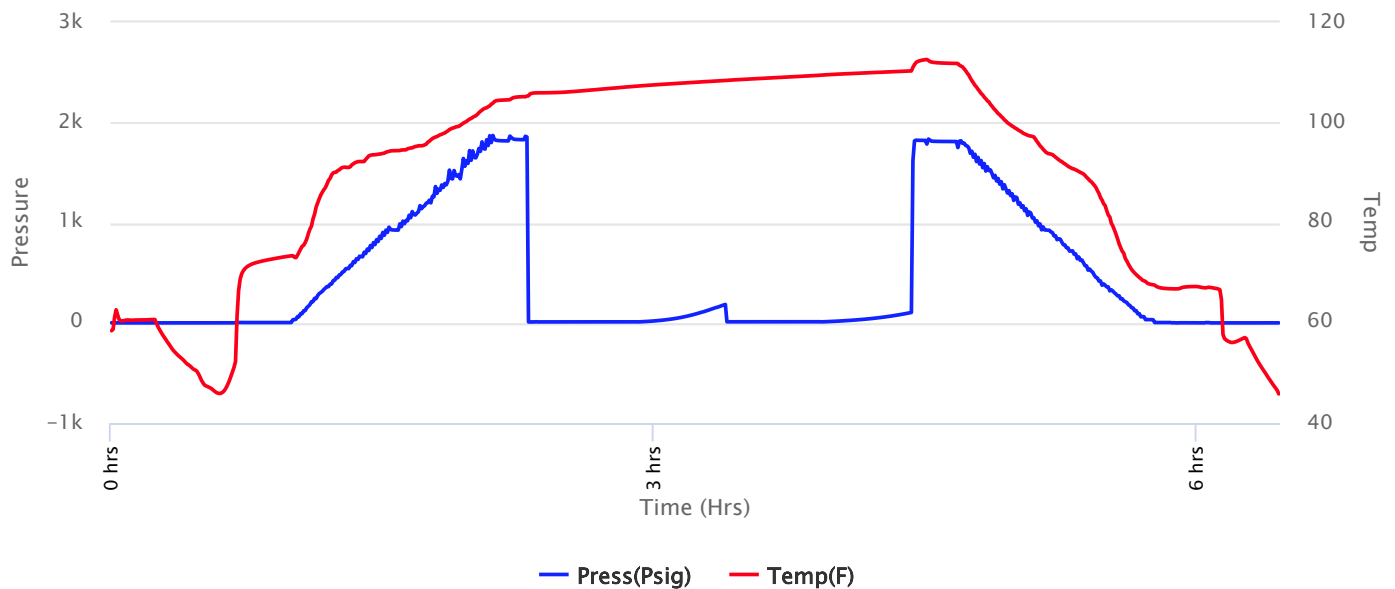
1st Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #2

Formation: Lansing
(H-J)

Test Interval: 3872 -
3957'

Total Depth: 3957'

Time On: 23:36 12/30

Time Off: 05:53 12/31

Time On Bottom: 01:54 12/31

Time Off Bottom: 03:54 12/31

Recovered

Foot

5

BBLs

0.0513

Description of Fluid

M

Gas %

0

Oil %

0

Water %

0

Mud %

100

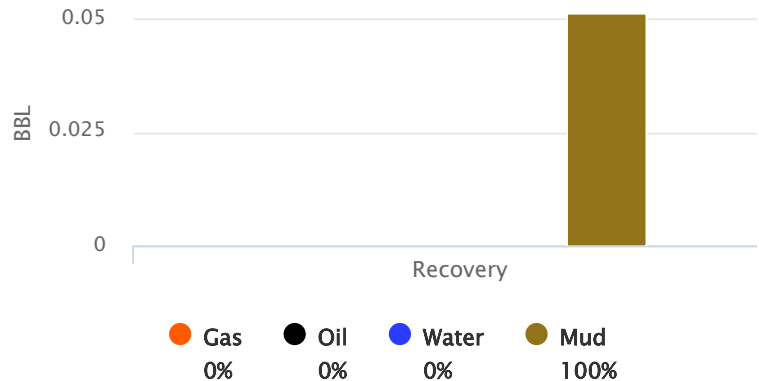
Total Recovered: 5 ft

Total Barrels Recovered: 0.0513

Reversed Out

NO

Recovery at a glance



Initial Hydrostatic Pressure	1856	PSI
Initial Flow	10 to 12	PSI
Initial Closed in Pressure	180	PSI
Final Flow Pressure	11 to 13	PSI
Final Closed in Pressure	13	PSI
Final Hydrostatic Pressure	1825	PSI
Temperature	111	°F

Pressure Change Initial	93.2	%
Close / Final Close		

GIP cubic foot volume: 0



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #2	Formation: Lansing (H-J)	Test Interval: 3872 - 3957'	Total Depth: 3957'
	Time On: 23:36 12/30	Time Off: 05:53 12/31	
	Time On Bottom: 01:54 12/31	Time Off Bottom: 03:54 12/31	

BUCKET MEASUREMENT:

1st Open: WsB died in 1min. Flushed tool 2 times

1st Close: No Blowback

2nd Open: No Blow

2nd Close: No Blowback

REMARKS:

Flushed tool right after first open twice to make sure tool wasn't plugging off.



Test Complete

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

December

2023

Time On: 23:36 12/30 Time Off: 05:53 12/31
Time On Bottom: 01:54 12/31 Time Off Bottom: 03:54 12/31

Down Hole Makeup

Packer 1: 3866.5 FT

Packer 2: 3872 FT

ID-3 1/4

Top Recorder: 3855.42 FT

Bottom Recorder: 3872 FT

ID-2 7/8

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 85

Anchor Makeup

Packer Sub: 1 FT

4 1/2-FH

Change Over: .5 FT

ID-3 1/4

Change Over: .5 FT

4 1/2-FH



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

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2023

DST #2	Formation: Lansing (H-J)	Test Interval: 3872 - 3957'	Total Depth: 3957'
Time On: 23:36 12/30		Time Off: 05:53 12/31	
Time On Bottom: 01:54 12/31		Time Off Bottom: 03:54 12/31	

Mud Properties

Mud Type: Chem

Weight: 8.8

Viscosity: 61

Filtrate: 6.0

Chlorides: 2500 ppm



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

December

30

2023

DST #2

**Formation: Lansing
(H-J)**

**Test Interval: 3872 -
3957'**

Total Depth: 3957'

Time On: 23:36 12/30

Time Off: 05:53 12/31

Time On Bottom: 01:54 12/31 Time Off Bottom: 03:54 12/31

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Uploading recovery & pressures

DATE

December
31
2023

DST #3 **Formation: Lansing (K-L)** **Test Interval: 3966 - 4025'** **Total Depth: 4025'**

Time On: 15:42 12/31 Time Off: 22:14 12/31
Time On Bottom: 17:44 12/31 Time Off Bottom: 20:14 12/31

Electronic Volume Estimate:
76'

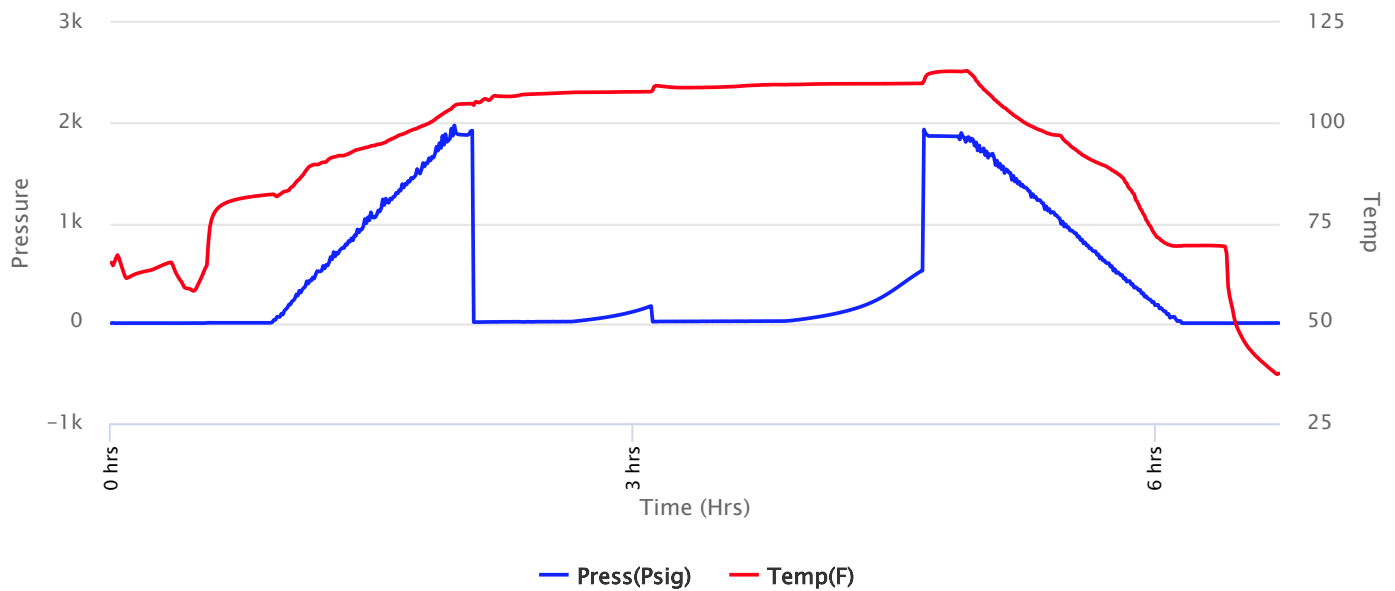
1st Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0.1"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
7.0" at 45 min
Max Reading: 7.0"

2nd Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Uploading recovery & pressures

DATE

December

31

2023

DST #3 Formation: Lansing (K-L) Test Interval: 3966 - 4025' Total Depth: 4025'

Time On: 15:42 12/31

Time Off: 22:14 12/31

Time On Bottom: 17:44 12/31

Time Off Bottom: 20:14 12/31

Recovered

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
130	1.3338	G	100	0	0	0
60	0.6156	SLOCM	0	3	0	97

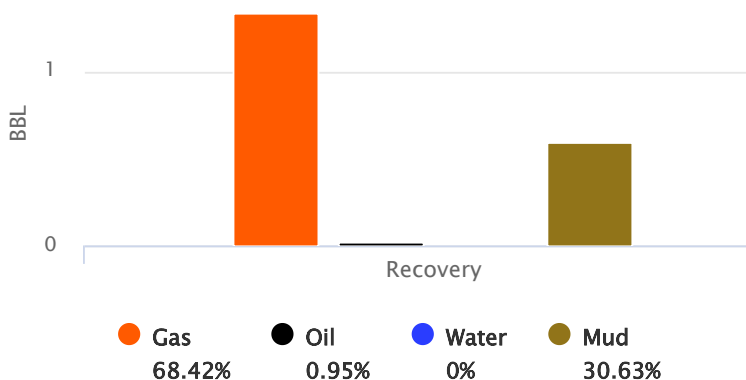
Total Recovered: 190 ft

Total Barrels Recovered: 1.9494

Reversed Out
NO

Initial Hydrostatic Pressure	1923	PSI
Initial Flow	10 to 18	PSI
Initial Closed in Pressure	171	PSI
Final Flow Pressure	15 to 22	PSI
Final Closed in Pressure	524	PSI
Final Hydrostatic Pressure	1934	PSI
Temperature	110	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 7.48862



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Uploading recovery &
pressures

DATE

December

31

2023

DST #3

**Formation: Lansing
(K-L)**

**Test Interval: 3966 -
4025'**

Total Depth: 4025'

Time On: 15:42 12/31

Time Off: 22:14 12/31

Time On Bottom: 17:44 12/31

Time Off Bottom: 20:14 12/31

BUCKET MEASUREMENT:

1st Open: WsB died in 9min exact.

1st Close: No Blowback

2nd Open: Started at 1.3in built to 7in in 45min

2nd Close: No Blowback

REMARKS:

Tool Sample: 0% Gas 20% Oil 8% Water 72% Mud



SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Uploading recovery & pressures

December
31
2023

DST #3	Formation: Lansing (K-L)	Test Interval: 3966 - 4025'	Total Depth: 4025'
Time On: 15:42 12/31		Time Off: 22:14 12/31	
Time On Bottom: 17:44 12/31		Time Off Bottom: 20:14 12/31	

Down Hole Makeup

Packer 1: 3960.5 FT

Packer 2: 3966 FT

Top Recorder: 3949.42 FT

Bottom Recorder: 3966 FT

Well Bore Size: 7 7/8

Surface Choke: 1"

Bottom Choke: 5/8"

Total Anchor: 59

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 23 FT
4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 31 FT
ID-3 1/4

Change Over: .5 FT

Perforations: (below): 3 FT
4 1/2-FH



SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Uploading recovery & pressures

DATE _____

December

31

2023

DST #3	Formation: Lansing (K-L)	Test Interval: 3966 - 4025'	Total Depth: 4025'
--------	-----------------------------	--------------------------------	--------------------

Time On: 15:42 12/31 Time Off: 22:14 12/31
Time On Bottom: 17:44 12/31 Time Off Bottom: 20:14 12/31

Mud Properties

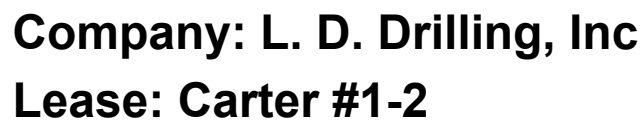
Mud Type:

Weight:

Viscosity:

Filtrate:

Chlorides: ppm



Uploading recovery & pressures

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

DATE
December
31
2023

DST #3	Formation: Lansing (K-L)	Test Interval: 3966 - 4025'	Total Depth: 4025'
	Time On: 15:42 12/31	Time Off: 22:14 12/31	
	Time On Bottom: 17:44 12/31	Time Off Bottom: 20:14 12/31	

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

02

2024

DST #4

**Formation: Fort
Scott**

**Test Interval: 4205 -
4260'**

Total Depth: 4260'

Time On: 05:52 01/02

Time Off: 13:26 01/02

Time On Bottom: 09:40 01/02

Time Off Bottom: 11:40 01/02

Electronic Volume
Estimate:

1'

1st Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0.1"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Close

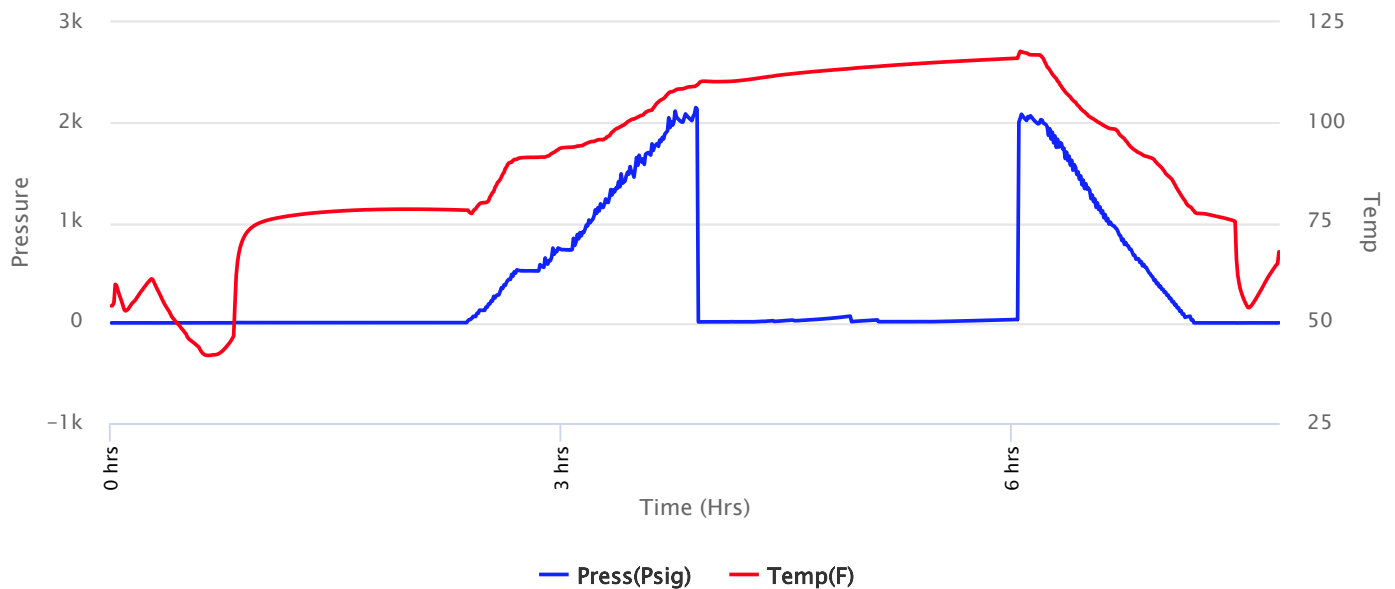
Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

02

2024

DST #4

Formation: Fort
Scott

Test Interval: 4205 -
4260'

Total Depth: 4260'

Time On: 05:52 01/02

Time Off: 13:26 01/02

Time On Bottom: 09:40 01/02

Time Off Bottom: 11:40 01/02

Recovered

Foot

4

BBLs

0.04104

Description of Fluid

SLWCSLOCM

Gas %

0

Oil %

1

Water %

1

Mud %

98

Total Recovered: 4 ft

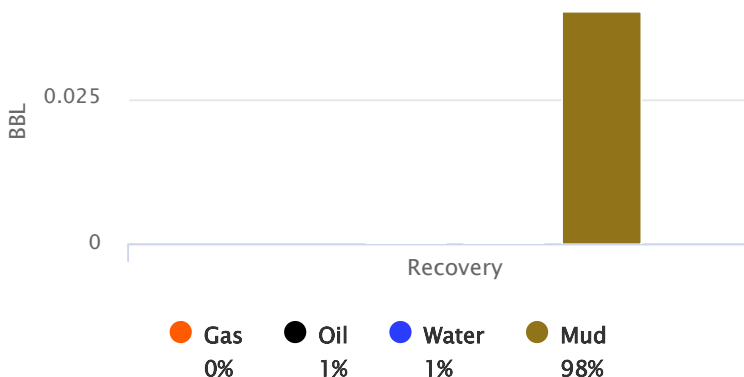
Total Barrels Recovered: 0.04104

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2135	PSI
Initial Flow	10 to 29	PSI
Initial Closed in Pressure	68	PSI
Final Flow Pressure	12 to 12	PSI
Final Closed in Pressure	33	PSI
Final Hydrostatic Pressure	2084	PSI
Temperature	116	°F

Pressure Change Initial	51.5	%
Close / Final Close		



GIP cubic foot volume: 0



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

02

2024

DST #4

**Formation: Fort
Scott**

**Test Interval: 4205 -
4260'**

Total Depth: 4260'

Time On: 05:52 01/02

Time Off: 13:26 01/02

Time On Bottom: 09:40 01/02

Time Off Bottom: 11:40 01/02

BUCKET MEASUREMENT:

1st Open: WsB died in 6min

1st Close: No Blowback

2nd Open: No Blow

2nd Close: No Blowback

REMARKS:

Tool Sample: 0% Gas 2% Oil 5% Water 93% Mud



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

02

2024

DST #4

**Formation: Fort
Scott**

**Test Interval: 4205 -
4260'**

Total Depth: 4260'

Time On: 05:52 01/02

Time Off: 13:26 01/02

Time On Bottom: 09:40 01/02

Time Off Bottom: 11:40 01/02

Down Hole Makeup

Heads Up: 11.2 FT

Packer 1: 4199.5 FT

Drill Pipe: 4182.63 FT

Packer 2: 4205 FT

ID-3 1/4

Top Recorder: 4188.42 FT

Weight Pipe: FT

Bottom Recorder: 4205 FT

ID-2 7/8

Collars: FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 34.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 55

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 19 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 31 FT

ID-3 1/4

Change Over: .5 FT

Perforations: (below): 3 FT

4 1/2-FH



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

02

2024

DST #4

**Formation: Fort
Scott**

**Test Interval: 4205 -
4260'**

Total Depth: 4260'

Time On: 05:52 01/02

Time Off: 13:26 01/02

Time On Bottom: 09:40 01/02 Time Off Bottom: 11:40 01/02

Mud Properties

Mud Type: Chem

Weight: 9.2

Viscosity: 62

Filtrate: 6.4

Chlorides: 2900 ppm



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

02

2024

DST #4

**Formation: Fort
Scott**

**Test Interval: 4205 -
4260'**

Total Depth: 4260'

Time On: 05:52 01/02

Time Off: 13:26 01/02

Time On Bottom: 09:40 01/02 Time Off Bottom: 11:40 01/02

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

03

2024

DST #5

Formation:
Mississippi

Test Interval: 4237 -
4286'

Total Depth: 4424'

Time On: 19:16 01/03

Time Off: 02:22 01/04

Time On Bottom: 21:34 01/03

Time Off Bottom: 23:34 01/03

Electronic Volume
Estimate:
25'

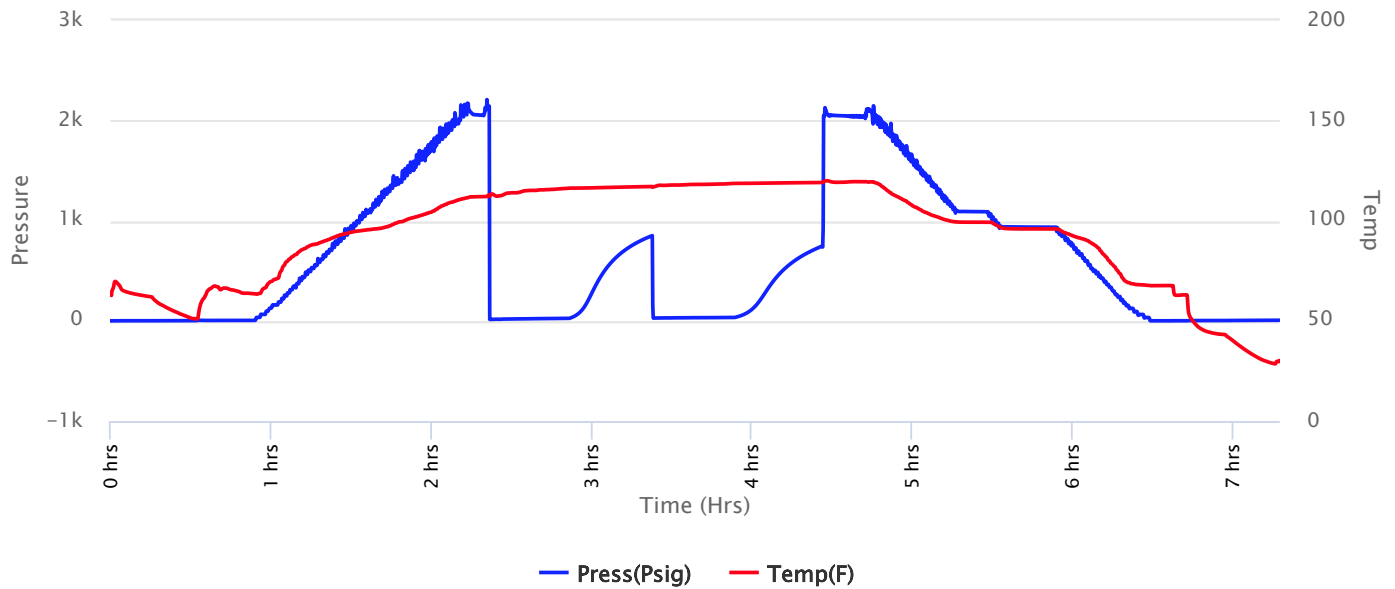
1st Open
Minutes: 30
Current Reading:
2.0" at 30 min
Max Reading: 2.0"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0.2"

2nd Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

03

2024

DST #5

Formation:
Mississippi

Test Interval: 4237 -
4286'

Total Depth: 4424'

Time On: 19:16 01/03

Time Off: 02:22 01/04

Time On Bottom: 21:34 01/03

Time Off Bottom: 23:34 01/03

Recovered

Foot

450

BBLs

4.617

Description of Fluid

SLOCM

Gas %

0

Oil %

10

Water %

0

Mud %

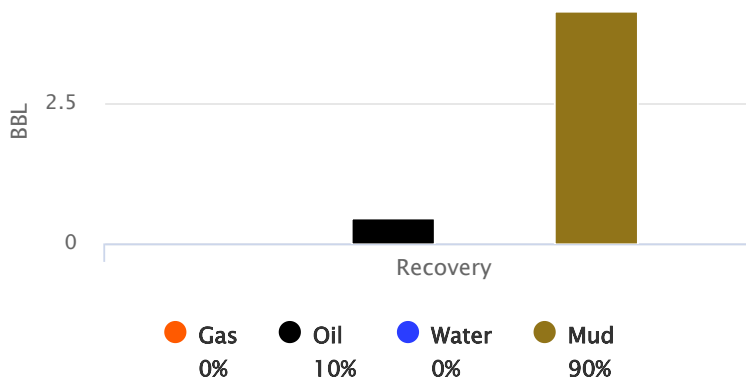
90

Total Recovered: 450 ft

Total Barrels Recovered: 4.617

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2144	PSI
Initial Flow	15 to 27	PSI
Initial Closed in Pressure	852	PSI
Final Flow Pressure	28 to 38	PSI
Final Closed in Pressure	748	PSI
Final Hydrostatic Pressure	2129	PSI
Temperature	119	°F

Pressure Change Initial	12.2	%
Close / Final Close		

GIP cubic foot volume: 0



Company: L. D. Drilling, Inc

Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

03

2024

DST #5

Formation:
Mississippi

Test Interval: 4237 -
4286'

Total Depth: 4424'

Time On: 19:16 01/03

Time Off: 02:22 01/04

Time On Bottom: 21:34 01/03

Time Off Bottom: 23:34 01/03

BUCKET MEASUREMENT:

1st Open: Started at 0.5in and built to 2.0in in 30min

1st Close: No Blowback

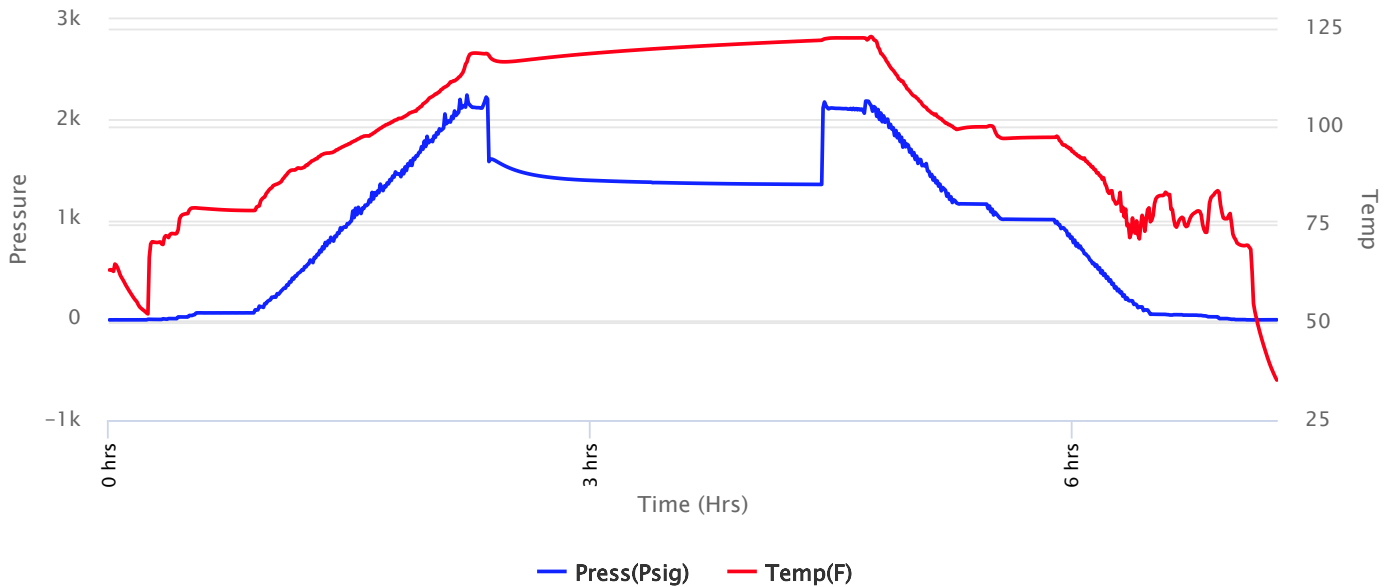
2nd Open: WsB died in 25min

2nd Close: No Blowback

REMARKS:

Tool Sample: 0% Gas 5% Oil 0% Water 95% Mud

Below Straddle Recorder





Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

03

2024

DST #5

Formation:
Mississippi

Test Interval: 4237 -
4286'

Total Depth: 4424'

Time On: 19:16 01/03

Time Off: 02:22 01/04

Time On Bottom: 21:34 01/03

Time Off Bottom: 23:34 01/03

Down Hole Makeup

Heads Up: 24.2 FT

Packer 1: 4231.5 FT

Drill Pipe: 4227.63 FT

Packer 2: 4237 FT

ID-3 1/4

Packer 3: 4286 FT

Weight Pipe: FT

Top Recorder: 4220.42 FT

ID-2 7/8

Bottom Recorder: 4335 FT

Collars: FT

Below Straddle Recorder: 4399 FT

ID-2 1/4

Test Tool: 34.57 FT

Well Bore Size: 7 7/8

ID-3 1/2-FH

Surface Choke: 1"

Jars

Bottom Choke: 5/8"

Safety Joint

Total Anchor: 49

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 31 FT

ID-3 1/4

Change Over: .5 FT

Perforations: (below): 15 FT

4 1/2-FH

STRADDLE

Straddle Packer(s): FT

Change Over: .5 FT

Drill Pipe: 62 FT

ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 26 FT

4 1/2-FH



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

03

2024

DST #5

Formation:
Mississippi

Test Interval: 4237 -
4286'

Total Depth: 4424'

Time On: 19:16 01/03

Time Off: 02:22 01/04

Time On Bottom: 21:34 01/03 Time Off Bottom: 23:34 01/03

Mud Properties

Mud Type: Chem

Weight: 9.4

Viscosity: 57

Filtrate: 7.6

Chlorides: 2900 ppm



Company: L. D. Drilling, Inc
Lease: Carter #1-2

SEC: 2 TWN: 16S RNG: 27W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2442 EGL
Field Name: Broughton North
Pool: Infield
Job Number: 714
API #: 15-101-22690

Operation:

Test Complete

DATE

January

03

2024

DST #5

Formation:
Mississippi

Test Interval: 4237 -
4286' **Total Depth: 4424'**

Time On: 19:16 01/03

Time Off: 02:22 01/04

Time On Bottom: 21:34 01/03

Time Off Bottom: 23:34 01/03

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

190

3200

3300

3400

Samples are Lagged

STOTLER 3290-810

15. H. G. V. S. Foss.

16. G. Foss.

17. H. G. Foss. G. L. H.

18. G. V. S. Foss.

19. H. G. Foss. S. G. L. H.

20. H. G. Foss.

21. G. V. S. Foss.

22. H. G. Foss.

23. H. G. Foss.

24. H. G. Foss. S. G. L. H.

25. G. V. S.

26. H. G. Foss. S. G. L. H.

W5: 28 W1: 9.7

Chl: 36000

LS. w/ lly. VSI: Foss. Sl. Chly.

LS. w/ lly. Sl. Foss. Chly.

LS. w/ Foss. Sl. Chly.

LS. w/ chly.

Sh. Cy.

LS. T. B. Foss. Chly.

LS. w/ lly. Foss. VSI. Chly.

LS. T. B. Sl. A

LS. w/ lly. Foss.

Δ Cy.

LS. T. B. Sl. Foss.

HEBNER 3686-1236
Sh. Blue Carb.

Sh. Lt Blue.

LS. T. w/ VSI: Foss. Sl. A

Sh. Bl. C.

LAKSING 3726-1276

LS. T. w/ w/ lly. Sl. A

LS. w/ lly. Sl. w/ lly. Sl. Chly.

Sh. Cy.

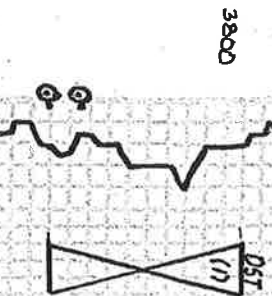
Sh. Lt Cy.

LS. Lt Cy. Sl. Foss. Sl. Chly.

Δ Orange

Sh. Lt C.

LS. w/ lly. w/ lly. Foss. Sl. Chly.



24

RTD - 4928-1974





Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
L D DRILLING, INC.
7 SW 26TH AVE
GREAT BEND, KS 67530

Invoice Date: 12/19/2023
Invoice #: 0373459
Lease Name: Carter
Well #: 1-2 (New)
County: Lane, Ks
Job Number: WP5005
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	250.000	22.500	5,625.00
Light Eq Mileage	80.000	2.000	160.00
Heavy Eq Mileage	160.000	4.000	640.00
Ton Mileage	940.000	1.500	1,410.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Blending & Mixing	250.000	1.400	350.00
Cement Data Acquisition	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

Total 9,710.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

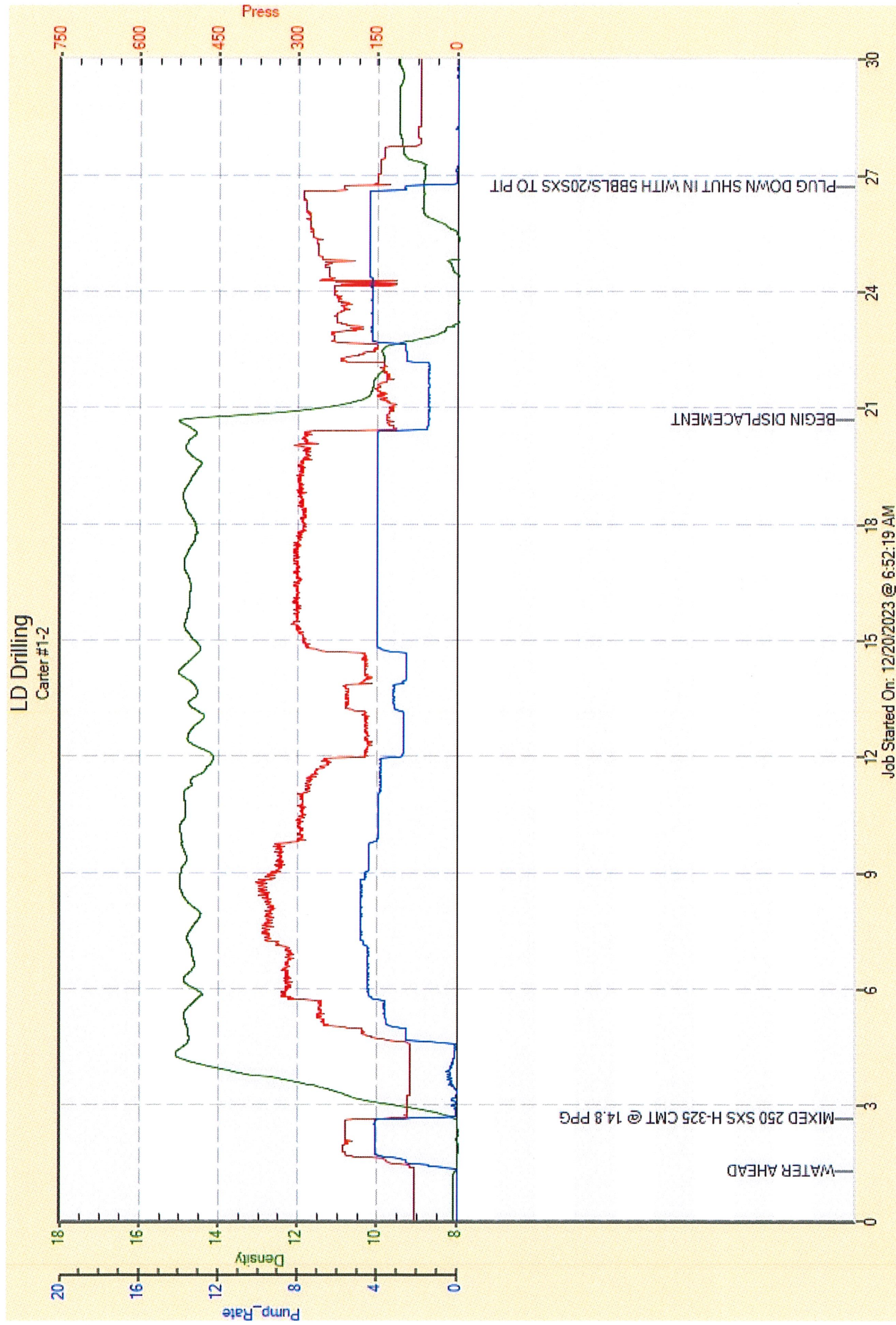
WE APPRECIATE YOUR BUSINESS!



TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

ftv: 13-2021/01/19
mplv: 440-2023/11/20

CEMENT TREATMENT REPORT





HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:

L D DRILLING, INC.
7 SW 26TH AVE
GREAT BEND, KS 67530

Invoice Date: 1/4/2024
Invoice #: 0373761
Lease Name: Carter
Well #: 1-2
County: Lane, Ks
Job Number: WP5045
District: Oakley

Date/Description	HRS/QTY	Rate	Total
New Hole Plug	0.000	0.000	0.00
H-Plug	280.000	16.000	4,480.00
Wooden plug 8 5/8"	1.000	150.000	150.00
Light Eq Mileage	80.000	2.000	160.00
Heavy Eq Mileage	160.000	4.000	640.00
Ton Mileage	964.000	1.500	1,446.00
Depth Charge 3001'-4000'	1.000	2,250.000	2,250.00
Cement Blending & Mixing	280.000	1.400	392.00
Service Supervisor	1.000	275.000	275.00

Net Invoice 9,793.00
Sales Tax: 571.27
Total 10,364.27

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms by sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash.

DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

ftv: 13-2021/01/19
mplv: 440-2023/11/20

**CEMENT TREATMENT REPORT**Customer: **LD DRILLING**

Well:

CARTER #1-2

Ticket:

WP 5045City, State: **UTICA, KS**

County:

LANE, KS

Date:

1/4/2024Field Rep: **RICK WILSON**

S-T-R:

2-16S-27W

Service:

PTA**Downhole Information**

Hole Size: **8 5/8 in**
Hole Depth: **4424 ft**
Casing Size: **4 1/2 in**
Casing Depth: **4813 ft**
Tubing / Liner: **in**
Depth: **ft**
Tool / Packer:
Tool Depth: **ft**
Displacement: **bbbls**

Calculated Slurry - Lead

Blend: **H PLUG A**
Weight: **13.8 ppg**
Water / Sx: **6.9 gal / sx**
Yield: **1.42 ft³ / sx**
Annular Bbls / Ft.: **0.0406 bbs / ft.**
Depth: **4424 ft**
Annular Volume: **179.6 bbls**
Excess:
Total Slurry: **70.8 bbls**
Total Sacks: **280 sx**

Calculated Slurry - Tail

Blend:
Weight: **ppg**
Water / Sx: **gal / sx**
Yield: **ft³ / sx**
Annular Bbls / Ft.: **bbs / ft.**
Depth: **ft**
Annular Volume: **bbls**
Excess:
Total Slurry: **bbls**
Total Sacks: **sx**

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
9:30 AM			-	-	ARRIVE ON LOCATION
9:33 AM				-	RIG UP SAFETY MEETING
12:08 PM	5.0	50.0	5.0		PUMP 5BBL FW SPACER @8.34
12:11 PM	5.0	200.0	12.6		PUMP H-PLUG PPG@13.8 50SKS 1950ft
12:22 PM	5.0	100.0	18.0		PUMP DISPLACEMENT 8.34
12:31 PM				-	END PLUG 1
				-	
1:18 PM	5.0	200.0	20.2	20.2	PUMP H-PLUG PPG@13.8 80SKS 1350ft
1:24 PM	5.0	150.0	11.2	31.4	PUMP 5BBL DISPLACEMENT
1:32 PM				31.4	DONE PLUG2
2:10 PM	5.0	210.0	12.6		PUMP CMT H-PLUG @13.8PPG 50SKS 720ft
2:16 PM	5.0	100.0	4.8		PUMP DISPLACEMENT 8.34
2:23 PM					DONE PLUG 3
2:37 PM	5.0	190.0	12.6		PUMP CMT H-PLUG@13.8PPG 50SKS 360ft
2:42 PM	5.0	75.0	1.0		PUMP DISPLACEMENT
2:43 PM					DONE 4 PLUG
3:39 PM	2.0	20.0	5.0		PUMP CMT @13.8PPG H PLUG 20SKS @60FT 8 5/8 WOOD PLUG 60ft
3:46 PM					DONE 5 PLUG
3:48 PM			7.5		PUMP CMT @13.8 RATHOLE 30SKS surface
4:10 PM					WASH UP CMT PUMP
4:20 PM					RIG DOWN
5:00 PM					DEPART LOCATION

CREW**UNIT****SUMMARY**Cementor: **ROGER GASTON****945**Pump Operator: **JOSE V****208**Bulk #1: **DARIUS****538-530**

Bulk #2:

Average Rate

Average Pressure

Total Fluid

4.7 bpm**118 psi****111 bbls**