

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	YORK 1
Doc ID	1666855

All Electric Logs Run

Micro
Dual Ind.
Comp N/D
Sonic

Form	ACO1 - Well Completion
Operator	Raymond Oil Company, Inc.
Well Name	YORK 1
Doc ID	1666855

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	260	Class A	175	3% cc, 2% gel



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September
13
2022

DST #1

Formation: L/KC

**Test Interval: 4120 -
4194'**

Total Depth: 4194'

Time On: 03:19 09/13

Time Off: 10:43 09/13

Time On Bottom: 05:29 09/13

Time Off Bottom: 08:59 09/13

Electronic Volume
Estimate:
11'

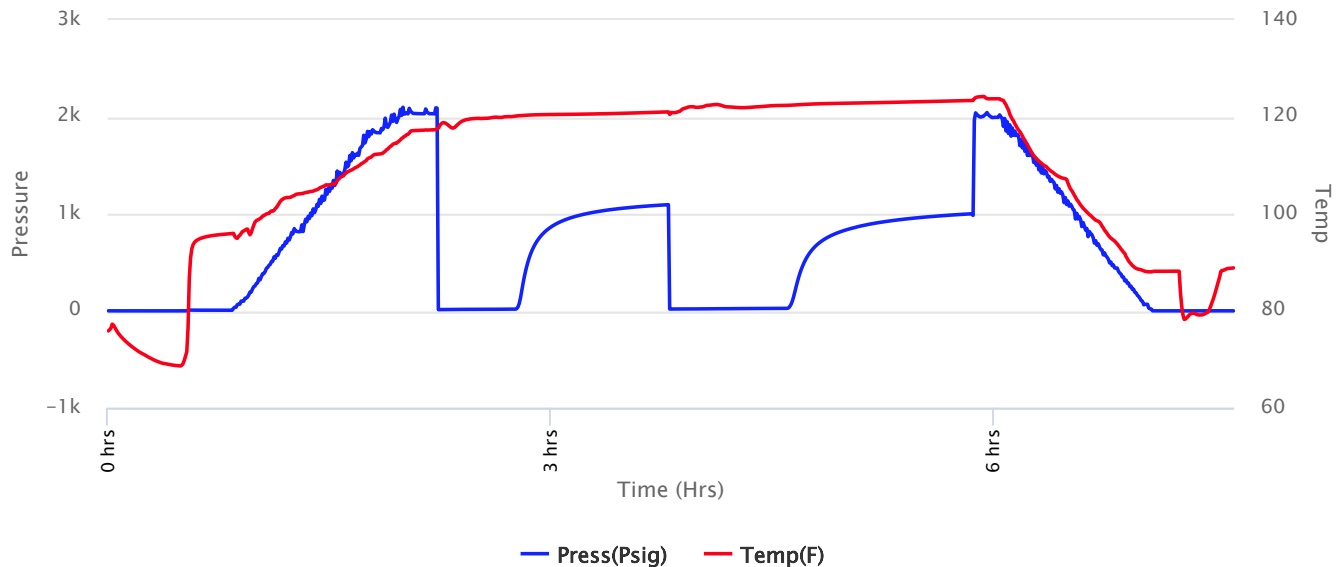
1st Open
Minutes: 30
Current Reading:
1" at 30 min
Max Reading: 1"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

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

2nd Close
Minutes: 75
Current Reading:
0" at 75 min
Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc Lease: York #1

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
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Total Depth: 4194'

Time On: 03:19 09/13

Time Off: 10:43 09/13

Time On Bottom: 05:29 09/13

Time Off Bottom: 08:59 09/13

Recovered

Foot

30

BBLs

0.3078

Description of Fluid

M

Gas %

0

Oil %

0

Water %

0

Mud %

100

Total Recovered: 30 ft

Total Barrels Recovered: 0.3078

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2032	PSI
Initial Flow	13 to 18	PSI
Initial Closed in Pressure	1095	PSI
Final Flow Pressure	18 to 26	PSI
Final Closed in Pressure	1001	PSI
Final Hydrostatic Pressure	2024	PSI
Temperature	124	°F
Pressure Change Initial Close / Final Close	8.6	%

BBL

0.2

0

Recovery

Gas
0%

Oil
0%

Water
0%

Mud
100%

GIP cubic foot volume: 0



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Formation: L/KC

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4194'**

Total Depth: 4194'

Time On: 03:19 09/13

Time Off: 10:43 09/13

Time On Bottom: 05:29 09/13 Time Off Bottom: 08:59 09/13

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Built to 1 inch in 30 minutes

1st Close: NOBB

2nd Open: No Blow

2nd Close: NOBB

REMARKS:

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



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DST #1

Formation: L/KC

**Test Interval: 4120 -
4194'**

Total Depth: 4194'

Time On: 03:19 09/13

Time Off: 10:43 09/13

Time On Bottom: 05:29 09/13

Time Off Bottom: 08:59 09/13

Down Hole Makeup

Heads Up: 33.49 FT

Packer 1: 4115 FT

Drill Pipe: 4120.92 FT
ID-3 1/4

Packer 2: 4120 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 4104.42 FT

Bottom Recorder: 4156 FT

Collars: 0 FT
ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 33.57 FT
*ID-3 1/2-FH
Jars
Safety Joint*

Bottom Choke: 5/8"

Total Anchor: 74

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: .5 FT

Drill Pipe: (in anchor): 31.5 FT
ID-3 1/4

Change Over: 1 FT

Perforations: (below): 39 FT
4 1/2-FH



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Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
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Elevation: 2672 GL
Field Name: Wildcat
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DST #1

Formation: L/KC

**Test Interval: 4120 -
4194'**

Total Depth: 4194'

Time On: 03:19 09/13

Time Off: 10:43 09/13

Time On Bottom: 05:29 09/13

Time Off Bottom: 08:59 09/13

Mud Properties

Mud Type: Chem

Weight: 9.2

Viscosity: 49

Filtrate: 8.8

Chlorides: 2800 ppm



**Company: Raymond Oil
Company, Inc
Lease: York #1**

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County: LANE
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Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
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Operation:

Uploading recovery &
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2022

DST #1

Formation: L/KC

**Test Interval: 4120 -
4194'**

Total Depth: 4194'

Time On: 03:19 09/13

Time Off: 10:43 09/13

Time On Bottom: 05:29 09/13 Time Off Bottom: 08:59 09/13

Gas Volume Report

1st Open

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

2nd Open

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



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September
13
2022

DST #2 Formation: 180 zone Test Interval: 4191 - 4210' Total Depth: 4210'

Time On: 18:00 09/13 Time Off: 02:02 09/14
Time On Bottom: 20:18 09/13 Time Off Bottom: 23:48 09/13

Electronic Volume
Estimate:
515'

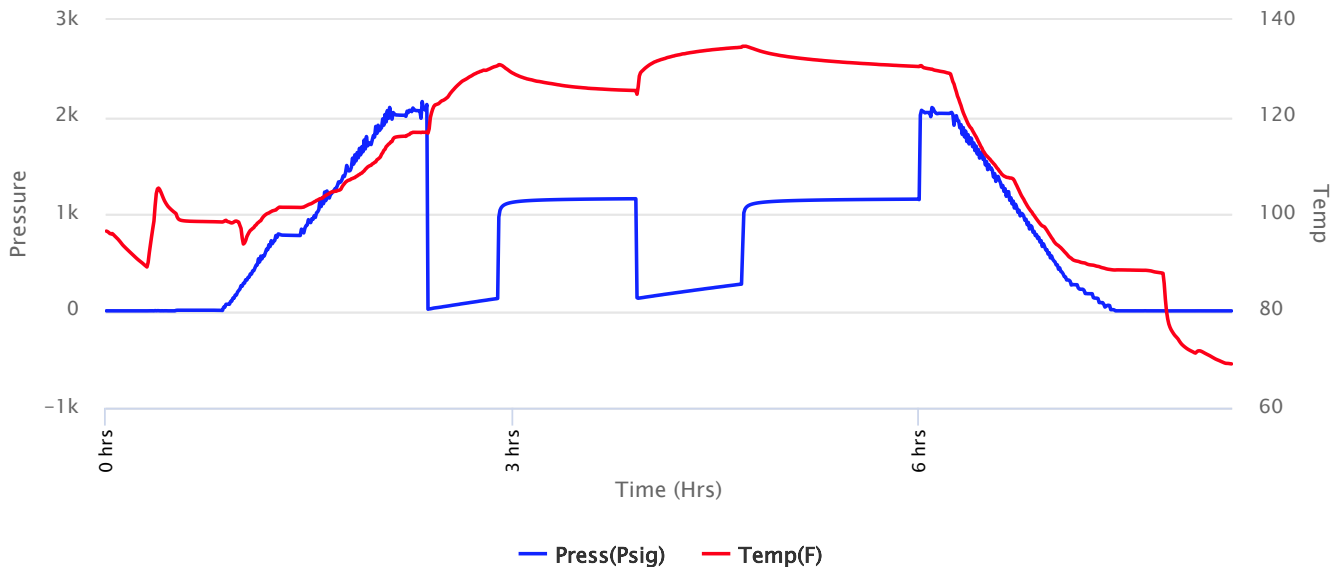
1st Open
Minutes: 30
Current Reading:
21" at 30 min
Max Reading: 21"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
20.3" at 45 min
Max Reading: 25.9"

2nd Close
Minutes: 75
Current Reading:
0" at 75 min
Max Reading: 0"

Inside Recorder





**Company: Raymond Oil
Company, Inc
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SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
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September

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2022

DST #2 Formation: 180 zone Test Interval: 4191 - 4210' Total Depth: 4210'

Time On: 18:00 09/13

Time Off: 02:02 09/14

Time On Bottom: 20:18 09/13

Time Off Bottom: 23:48 09/13

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
136	1.39536	SLOCHWCM	0	1	49	50
441	4.52466	SLMCW	0	0	99	1

Total Recovered: 577 ft

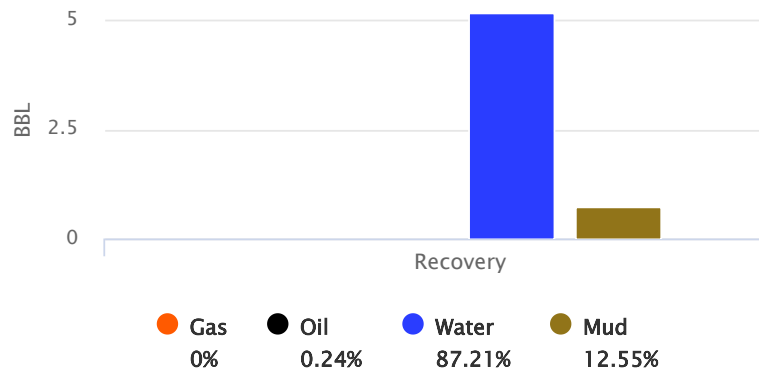
Total Barrels Recovered: 5.92002

Reversed Out

NO

Initial Hydrostatic Pressure	2068	PSI
Initial Flow	17 to 128	PSI
Initial Closed in Pressure	1156	PSI
Final Flow Pressure	132 to 276	PSI
Final Closed in Pressure	1148	PSI
Final Hydrostatic Pressure	2059	PSI
Temperature	135	°F
Pressure Change Initial Close / Final Close	0.7	%

Recovery at a glance



GIP cubic foot volume: 0



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County: LANE
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Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

13

2022

DST #2 Formation: 180 zone Test Interval: 4191 - Total Depth: 4210'
4210'

Time On: 18:00 09/13

Time Off: 02:02 09/14

Time On Bottom: 20:18 09/13 Time Off Bottom: 23:48 09/13

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. BOB in 15 1/4 minutes

1st Close: NOBB

2nd Open: 3/4" Blow. BOB in 17 minutes

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 1% Oil 49% Water 50% Mud

Ph: 7

Measured RW: .36 @ 72 degrees °F

RW at Formation Temp: 0.2 @ 135 °F

Chlorides: 18000 ppm



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Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

13

2022

DST #2 Formation: 180 zone Test Interval: 4191 - 4210' Total Depth: 4210'

Time On: 18:00 09/13

Time Off: 02:02 09/14

Time On Bottom: 20:18 09/13

Time Off Bottom: 23:48 09/13

Down Hole Makeup

Heads Up: 26.48 FT

Packer 1: 4186 FT

Drill Pipe: 4184.91 FT

Packer 2: 4191 FT

ID-3 1/4

Top Recorder: 4175.42 FT

Weight Pipe: FT

Bottom Recorder: 4193 FT

ID-2 7/8

Collars: 0 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 19

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): 18 FT

4 1/2-FH



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Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

13

2022

DST #2 Formation: 180 zone Test Interval: 4191 - Total Depth: 4210'
4210'

Time On: 18:00 09/13

Time Off: 02:02 09/14

Time On Bottom: 20:18 09/13 Time Off Bottom: 23:48 09/13

Mud Properties

Mud Type: Chem

Weight: 9.4

Viscosity: 46

Filtrate: 9.6

Chlorides: 3000 ppm



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County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

13

2022

DST #2 Formation: 180 zone Test Interval: 4191 - Total Depth: 4210'
4210'

Time On: 18:00 09/13

Time Off: 02:02 09/14

Time On Bottom: 20:18 09/13 Time Off Bottom: 23:48 09/13

Gas Volume Report

1st Open

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

2nd Open

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



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

14

2022

DST #3 Formation: 200 zone Test Interval: 4223 - 4240' Total Depth: 4240'

Time On: 21:55 09/14

Time Off: 17:57 09/14

Time On Bottom: 12:14 09/14

Time Off Bottom: 15:44 09/14

Electronic Volume
Estimate:

4'

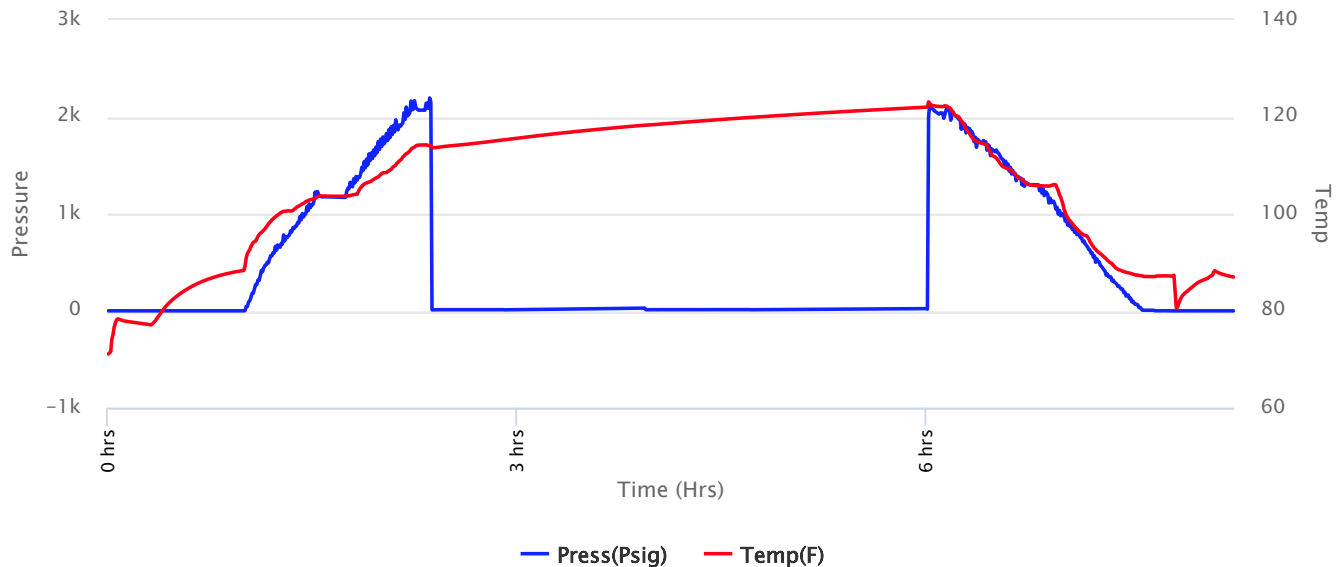
1st Open
Minutes: 25
Current Reading:
.35" at 25 min
Max Reading: .35"

1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

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

2nd Close
Minutes: 75
Current Reading:
0" at 75 min
Max Reading: 0"

Inside Recorder





**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

14

2022

DST #3 Formation: 200 zone Test Interval: 4223 - 4240' Total Depth: 4240'

Time On: 21:55 09/14

Time Off: 17:57 09/14

Time On Bottom: 12:14 09/14

Time Off Bottom: 15:44 09/14

Recovered

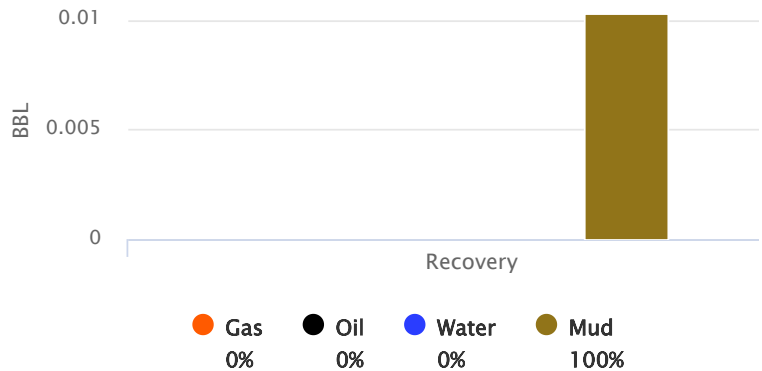
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.01026	M	0	0	0	100

Total Recovered: 1 ft

Total Barrels Recovered: 0.01026

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2069	PSI
Initial Flow	10 to 12	PSI
Initial Closed in Pressure	29	PSI
Final Flow Pressure	12 to 13	PSI
Final Closed in Pressure	23	PSI
Final Hydrostatic Pressure	2063	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	20.6	%

GIP cubic foot volume: 0



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

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pressures

DATE

September

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2022

DST #3 Formation: 200 zone Test Interval: 4223 - Total Depth: 4240'
4240'

Time On: 21:55 09/14

Time Off: 17:57 09/14

Time On Bottom: 12:14 09/14

Time Off Bottom: 15:44 09/14

BUCKET MEASUREMENT:

1st Open: WSB. Built to 1/2 inch in 30 minutes

1st Close: NOBB

2nd Open: No blow

2nd Close: NOBB

REMARKS:

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



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
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Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

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2022

DST #3 Formation: 200 zone Test Interval: 4223 - 4240' Total Depth: 4240'

Time On: 21:55 09/14

Time Off: 17:57 09/14

Time On Bottom: 12:14 09/14

Time Off Bottom: 15:44 09/14

Down Hole Makeup

Heads Up: 25.48 FT

Packer 1: 4218 FT

Drill Pipe: 4215.91 FT

Packer 2: 4223 FT

ID-3 1/4

Top Recorder: 4207.42 FT

Weight Pipe: FT

Bottom Recorder: 4225 FT

ID-2 7/8

Collars: 0 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 17

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): 16 FT

4 1/2-FH



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County: LANE
State: Kansas
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Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

14

2022

DST #3 Formation: 200 zone Test Interval: 4223 - Total Depth: 4240'
4240'

Time On: 21:55 09/14

Time Off: 17:57 09/14

Time On Bottom: 12:14 09/14

Time Off Bottom: 15:44 09/14

Mud Properties

Mud Type: Chem

Weight: 9.6

Viscosity: 49

Filtrate: 12

Chlorides: 2800 ppm



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

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2022

DST #3 Formation: 200 zone Test Interval: 4223 - Total Depth: 4240'
4240'

Time On: 21:55 09/14

Time Off: 17:57 09/14

Time On Bottom: 12:14 09/14 Time Off Bottom: 15:44 09/14

Gas Volume Report

1st Open

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

2nd Open

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



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

16

2022

DST #4

**Formation:
Myrick/Johnson**

**Test Interval: 4450 -
4560'**

Total Depth: 4560'

Time On: 04:25 09/16

Time Off: 13:06 09/16

Time On Bottom: 07:24 09/16

Time Off Bottom: 10:54 09/16

Electronic Volume
Estimate:

48'

1st Open

Minutes: 30

Current Reading:

2.5" at 30 min

Max Reading: 2.5"

1st Close

Minutes: 60

Current Reading:

0" at 60 min

Max Reading: 0"

2nd Open

Minutes: 45

Current Reading:

1.5" at 45 min

Max Reading: 1.5"

2nd Close

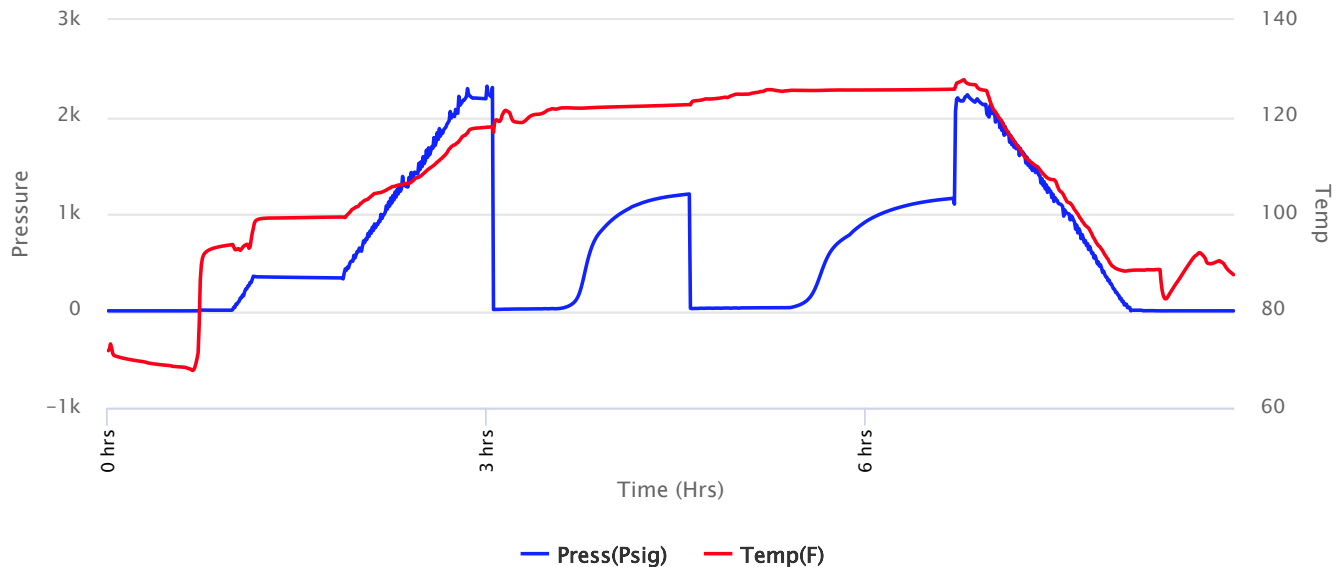
Minutes: 75

Current Reading:

0" at 75 min

Max Reading: 0"

Inside Recorder





Company: Raymond Oil Company, Inc Lease: York #1

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

16

2022

DST #4

Formation:
Myrick/Johnson

Test Interval: 4450 -
4560'

Total Depth: 4560'

Time On: 04:25 09/16

Time Off: 13:06 09/16

Time On Bottom: 07:24 09/16

Time Off Bottom: 10:54 09/16

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.1026	G	100	0	0	0
3	0.03078	O	0	100	0	0
49	0.50274	SLOCM	0	10	0	90

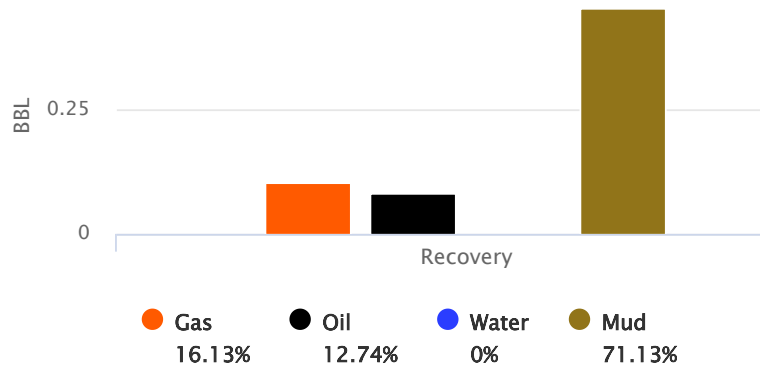
Total Recovered: 62 ft

Total Barrels Recovered: 0.63612

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2187	PSI
Initial Flow	13 to 23	PSI
Initial Closed in Pressure	1205	PSI
Final Flow Pressure	23 to 32	PSI
Final Closed in Pressure	1161	PSI
Final Hydrostatic Pressure	2186	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	3.7	%



GIP cubic foot volume: 0.57605



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

16

2022

DST #4

**Formation:
Myrick/Johnson**

**Test Interval: 4450 -
4560' Total Depth: 4560'**

Time On: 04:25 09/16

Time Off: 13:06 09/16

Time On Bottom: 07:24 09/16 Time Off Bottom: 10:54 09/16

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Built to 2 1/2 inches in. 30 minutes

1st Close: NOBB

2nd Open: WSB. Built to 1 1/2 inches in 45 minutes

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 10% Oil 0% Water 90% Mud



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2672 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 585
API #: 15-101-22675

Operation:

Uploading recovery &
pressures

DATE

September

16

2022

DST #4

Formation:
Myrick/Johnson

**Test Interval: 4450 -
4560'**

Total Depth: 4560'

Time On: 04:25 09/16

Time Off: 13:06 09/16

Time On Bottom: 07:24 09/16 Time Off Bottom: 10:54 09/16

Down Hole Makeup

Heads Up: 16.42 FT

Packer 1: 4444.5 FT

Drill Pipe: 4433.35 FT
ID-3 1/4

Packer 2: 4449.5 FT

Weight Pipe: FT
ID-2 7/8

Top Recorder: 4433.92 FT

Bottom Recorder: 4549 FT

Collars: 0 FT
ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 33.57 FT
*ID-3 1/2-FH
Jars
Safety Joint*

Bottom Choke: 5/8"

Total Anchor: 110.5

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: 1 FT

Drill Pipe: (in anchor): 94.5 FT
ID-3 1/4

Change Over: 1 FT

Perforations: (below): 12 FT
4 1/2-FH



**Company: Raymond Oil
Company, Inc
Lease: York #1**

SEC: 11 TWN: 20S RNG: 28W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling &
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Mud Properties

Mud Type: Chem

Weight: 8.9

Viscosity: 53

Filtrate: 9.6

Chlorides: 2400 ppm



**Company: Raymond Oil
Company, Inc
Lease: York #1**

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Gas Volume Report

1st Open

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

2nd Open

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

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-864-9709 WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RAYMOND OIL COMPANY, INC.

LEASE #1 YORK

FIELD WILDCAT

LOCATION 1212' FSL 4 1452' FEL

SEC. 11 TWP. 20S RGE. 28W

COUNTY LANE STATE KANSAS

CONTRACTOR L.D. DRILLING, INC.

SPUD 9-6-22 COMP. 9-17-22

RTD 4674 LTD 4674

MUD UP 3400 TYPE MUD CHEMICAL

SAMPLES SAVED FROM 3600 TO 4674

DRILLING TIME KEPT FROM 3500 TO 4674

SAMPLES EXAMINED FROM 3600 TO 4674

GEOLOGICAL SUPERVISION FROM 3700 TO 4674

GEOLOGIST ON WELL KIM B. SHOEMAKER

ELEVATIONS

ICB 2677

DF 2672

GL 2672

Measurements Are All From 2677 KB

CASING SURFACE 8 5/8" @ 260

PRODUCTION

ELECTRICAL SURVEYS

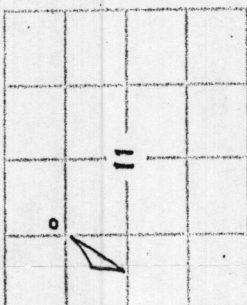
DUAL IND, DENS-N, MICRO, SONIC

FORMATION TOPS

LOG

SAMPLES

ANHYDRITE	1986 + 691	1988 + 689
B/ANH.	2018 + 659	2020 + 657
HEBNER	3906 - 1229	3908 - 1231
LANISING	3948 - 1271	3948 - 1271
STARK	4226 - 1549	4225 - 1548
B/KC	4310 - 1633	4299 - 1622
FORT SCOTT	4486 - 1809	4488 - 1811
CHEKOE	4507 - 1830	4506 - 1829
MISSISSIPPI	4582 - 1905	4578 - 1901

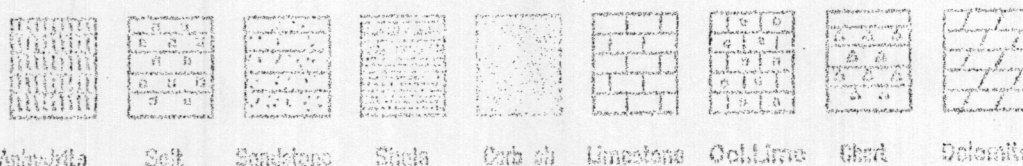


REMARKS

9-6-22 SPUD
9-7 @ 263'
9-8 @ 1320'
9-9 @ 2220'
9-10 @ 3020'
9-11 @ 3555'
9-12 @ 3905'
9-13 @ 4194'
9-14 @ 4236'
9-15 @ 4350'
9-16 @ 4560'
9-17 @ 4674'

API: 15-101-22675

LEGEND



LITHOLOGY

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Indicator

DEPTH
1950

5" 10" 15" 20" 25"

SAMPLE DESCRIPTIONS

REMARKS

2000

ANHYDRITE

1988+689

2050

8/ ANH.

2020+657

3500

3600

3700

VIS: 43 WT: 8.8

WL: 8.0 C4L: 2000

Samples are Lagged

Sh. Lgy. Sdy. Silty

Ls. Gyl. Silty Foss.

Ls. Gyl. Dm.

Ls. Bx. Silty Foss.

Ls. Tr. wt. Foss.

Ls. Tr. Bx. Silty Foss.

Sh. Li. Blue

Ls.

Ls. Tr. Gyl. Fraz. Suc. Silty Dolo.

Sh. Li. Gyl.

Ls. Tr. Bx. Foss.

3800



BIT TRIP 3823

3900

TORONTO

LS. Tr. Bl. Fr. sh. Svy.

Sh. Blk.

Sh. Lt. G. Sdy.

LS. Tr. Bl. Foss. Sh. Calcitic

LS. wt. ool. Sh. Dbl.

LS. wt. Lt. G. Sh. ool. Foss.

Sh. Lt. G.

Sh. Lt. Blue G.

LS. G. Sh. Foss.

LS. Tr. Lt. G. ool. V. Sh. ch. by.

Δ Bn.

LS. Tr. ool.

LS. Tr. Sh. ool. ool. Sh. calcitic

LS. Tr. Foss. Sh. Foss. Sh. Calcitic

HEEBNER
Sh. Blue Carb.

3908-1231

Sh. Blue.

LS. wt. Sh. Foss. Sh. Ch. by.

LS. wt. Tr. Sh. Foss. Sh. Δ.

Sh. Lt. Blue G. Tr. R.

LANSING

3948-1271

LS. Tr. Bl. ool. Sh. Δ.

Δ wt. Lt. G.

VIS. 49

WT: 9.2

LS. Tr. Hbl. Sh. Foss. Sil. A

WL: 8.8

CHL: 2300

Sh. LiG.

Sh. Rd

LS. Tr. wt. ool. Sil. Chly.

Sh. LiG.

LS. wt. LiG. Sh. Foss. Sil. Chly.

LS. Tr. wt. Sil. A

Sh. LiG.

LS. Bl. VSh. Foss.

Sh. Rd.

LS. Tr. wt. Sil. Foss. ool. Sil. Chly.

LS. wt. VSh. Foss. Sh. Chly.

LS. Tr. wt. ool. Sil. ool.

A. wt. LiG.

LS. Tr. LiG. Micro. ool.

LS. wt. chly.

LS. LiG. VSh. Chly.

LS. LiG. Sil. A

MUNCIE CREEK 4122-1445

Sh. DE LiG.

LS. Bl. Sil. Foss. Sil. Colentia.

Sh. Li. Blue. G.

LS. wt. LiG. Sil. Foss. ool. P. VSh. G.

A. G.

Sp. Hl. DE Bl. Sh. VSh. Fd. Drill. Flow. No. Ddr.

LS. Tr. VSh. Foss. Sil. A

Sh. Blk.

LS. Bl. VSh. Foss. Sil. A

DST (1) 4120-4194

1st OPEN: Blow down to 1"2nd OPEN: No Blow

30-60-45-75

Tool Sample
100% Mud

Rec. 30' Mud

FP: 13-18 18-26 *

SIP: 1095-1001 "

Temp.
124°F

DST (2) 4191-4210

1st OPEN: Bottom Bucket 15 1/4 min.

BB: None

2nd OPEN: " 17 min.

BB: "

Tool Sample

30-60-45-75

17.01

49% W

50% M

Rec. 136' VSO. W. M. (17.01, 49% W, 50% M)

441' VSM. W. (99% W, 1% M)

4000

4100

DST
(1)

4200

DST
(2)VIS: 16 WT: 9.4 Sh. Lt Blue Gy
WL: 9.6 CHL: 3000

Δ wt.

LS. wt. Shi. Foss. Shi. Chlly.

Sh. Lt Blue Gy.

LS. wt. Foss. Micro. Foss Shi Δ

PH: 7
RW: 1.36 @ 72°F
RW: 1.2 @ 135°F
CHL: 18,000

TF: 577'

FP: 17-128 132-276°

SIP: 1156-1148° Temp.

135°F

DST (3) 4223-4240

1st OPEN: Blow built to 1/2"
2nd OPEN: No BlowTool Sample
100% M

30-60-95-75

Rec. 1' Mud

FP: 10-12 12-13°

SIP: 29-23°

Temp.

122°F

DST
(3)VIS: 19 WT: 9.6
WL: 12.0 CHL: 2800

STARK

4225-1548

Sh. Blue Carb.

LS. Dk. Bu. VSh. Foss

Sh.

LS. wt. gy. Foss. Shi. Foss. F. Vggy. ϕ

LS. Gy. ool. Foss. VSh. Chlly. VSh. Δ

LS. Th. gy. ool. Shi Δ

Sh. Blue Carb.

LS. Bu. Lt. Bu. VSh. Foss. Shi Δ

Δ Dk. gy

LS. wt. gy. ool. Shi. Foss. Shi. Calcitic. Shi. Chlly.

LS. wt. Shi. Foss. Shi. Chlly.

BIKE

4299-1622

LS. Bu. Shi Δ

LS. Th. Chlly. VSh. Foss

MARMATON

4327-1650

Sh. Lt. Gy. Bu. Shi Δ

LS. Th. Shi Δ Shi. Calcitic

Sh. Lt. Blue Gy

LS. Th. Gy. VSh. Calcitic

LS. Gy. Silty

VIS: 53 WT: 8.9
WL: 9.6 CHL: 2400

✓ Smpl.

✓ LOG HUSHPUCKNEY 4266
-1589

✓ LOG

✓ LOG

4400

Ls. Cy. Silty

Ls. Tr. L. Silty Foss. Sh. A

Ls. Tr. L. Silty

Sh. Lt. Blue Cy.

Ls. Tr. Lt. Bl. Silty

Ls. Bl. Silty

Sh. DE L.

PAWNEE 4438-1761

Sh. Lt. Blue Cy.

Δ wt

Ls. Tr. wt. V. Silty Foss. Silty

Ls. Bl. Silty

Sh. Blk. Carb.

Ls. DE Bl. V. Silty Foss

Sh. Lt. Cy.

MYRICK STATION 4468-1791

Δ L. wt

Ls. Cy. wt. Sh. Foss. Fr. V. p
Seal DE Bl. Blk. Sh. Silty V. Silty Dull Flow V. P. 0001

Sh. Blk. Carb.

FORT SCOTT 4488-1811

Ls. Tr. Bl. ool. Calcitic

Ls. Tr. wt. V. Silty Foss. w/ Lt. Str. V. A. P. 0001
Lt. Bl. Sh. V. Silty Dull F. Flow No 0001**CHEROKEE 4506-1829**

Sh. Blk. Carb.

Ls. Cy. Tr. ool. w/ DE oolites

Ls. Lt. Bl. w/ DE L. oolites

Sh. DE L.

Ls. Tr. L. V. Silty Foss

Sh. Lt. Cy.

JOHNSON 4545-1868Ls. Tr. wt. V. Silty Foss. Calcitic. P. V. p
V. Lt. Bl. Sh. V. Silty Fr. Floor V. P. 0001Ls. Cy. V. Silty Foss. P. V. p DE Bl. Sp. Sh. V. Silty
Ls. wt. Sdy. Md. G. Rd. Sub Rd No Flow No 0001

Sh. Lt. Blue wt. Sdy

Δ wt Yellow. Cy

Sh. Lt. Blue G.

MISSISSIPPI 4578-1901

Ls. Tr. Bl. V. Silty Foss. Silty

Ls. wt. Tr. ool. Sh. Ch. L.

VLOG

DST
(1)

4500

DST (1) 4450-45601st open: Blow built to 2 1/2"
2nd open: " " 1 1/2"

30-60-45-75

Tool Sample

10% Oil

90% Mud

Rec. 10' G.I. P.

3' Clean Oil

49' OCM (10% Oil, 90% M)

TF: 52'

FP: 13-23 23-32"

SIP: 1205-1161"

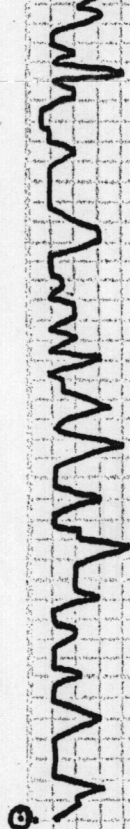
Temp.
126°F

VIS: 47 WT: 985

WL: 8.4 CHC: 2950

VLOG

4600



RTD 4674-1997

4700

Sh. H. 4.8M

Dol. To wt. V. Fossil Sue.
LS wt. V. Ch. H.

Dol. To H. Fossil Sue.

LS wt. V. Ch. H.

Dol. wt. To V. Fossil Sue.

LS Bi. Fossil Calotte

Dol. To Bi. Fossil Sue. w/ Dr. Foss.

LS H. Fossil Calotte

Dol. To wt. V. Fossil Glauconitic

Dol. To wt. V. Fossil Sue. w/ Glau.

Δ Cy. W/ St. Foss.

785-953-0222

TICKET NUMBER 2571 K-C
LOCATION Houston KS
FOREMAN Walt Dinko

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-6-22		York #1	11	20 ^s	28 ^w	Lanc.
CUSTOMER Raymond Oil Co.			DISTRICT			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
			103	Gray D		
			800-850	Jones		
CITY	STATE	ZIP CODE	4-East 1-South 3-1-C			

JOB TYPE	Surface	HOLE SIZE	12 1/4"	HOLE DEPTH	263'	CASING SIZE & WEIGHT	8 3/8"-23#
CASING DEPTH	260	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	15.2	SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	15'-#20'
DISPLACEMENT	15 1/2	DISPLACEMENT PSI		MIX PSI		RATE	

REMARKS: Safety Meeting. Pic up Equipment on L-D Pk.

max 175 sks class A, 3% cc - 2% cal. Displace 15" BB. H₂O. Skirt in

Central ID Circ

Deploy 2 BBL to DLT

Thank You
it's a crown

[illegible]

AUTHORIZATION David G. Jones TITLE _____ DATE _____

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

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	1	PUMP CHARGE	1,500 ⁰⁰	1,500 ⁰⁰
	30	MILEAGE	7 ¹⁵	214 ⁵⁰
	12.04	Tax Mileage Delivery	1 ²⁵	660 ⁰⁰
	280 #	Light Weight Blend V	11 ⁰⁰	4,480 ⁰⁰
	70 #	Hr-Sec.	3 ⁰⁰	210 ⁰⁰
				7,064 ⁵⁰
				- 1,412 ⁹⁰
				5,651 ⁶⁰
			Sales Tax	
			ESTIMATED TOTAL	