



Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 169 RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 2
Elevation: 2577 GL
Field Name: Unice NE
Pool: Pool Ext
Job Number: 323

Operation:
Test Complete

DATE
March
26
2019

DST #1 **Formation: Mississippi** **Test Interval: 4444 - 4523'** **Total Depth: 4523'**
Time On: 07:53 03/26 Time Off: 16:04 03/26
Time On Bottom: 10:30 03/26 Time Off Bottom: 13:30 03/26

Electronic Volume Estimate:
371'

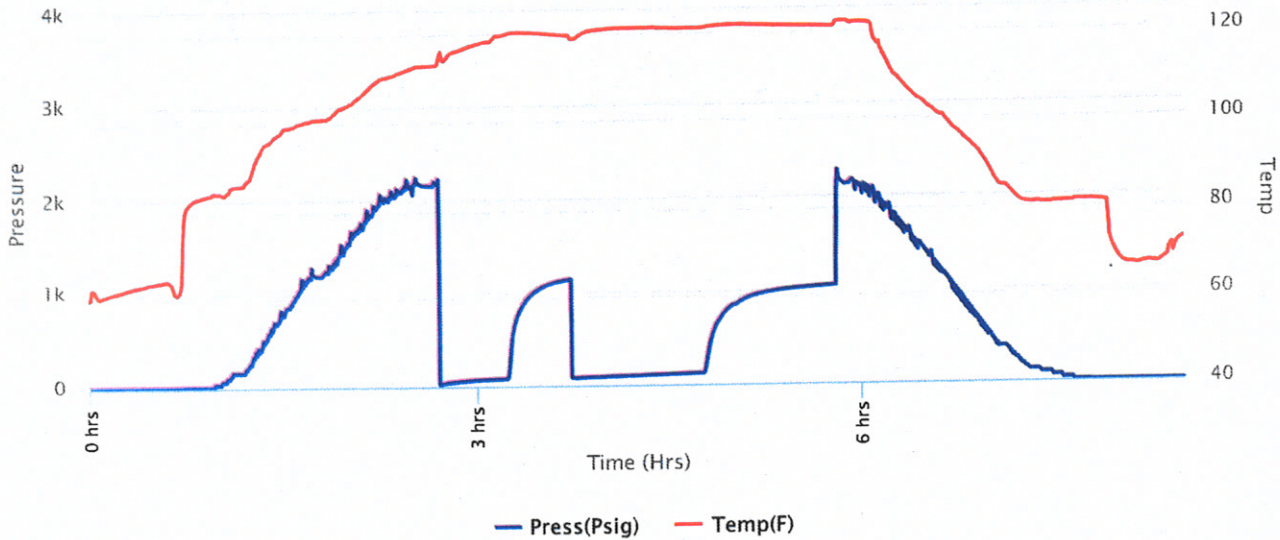
1st Open
Minutes: 30
Current Reading:
9.9" at 30 min
Max Reading: 9.9"

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

2nd Open
Minutes: 60
Current Reading:
15.4" at 60 min
Max Reading: 15.4"

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

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
 County: NESS
 State: Kansas
 Drilling Contractor: WW Driling, LLC - Rig 2
 Elevation: 2577 GL
 Field Name: Unice NE
 Pool: Pool Ext
 Job Number: 323

Operation:
 Test Complete

DATE
 March
26
 2019

DST #1 **Formation: Mississippi** **Test Interval: 4444 - 4523'** **Total Depth: 4523'**
 Time On: 07:53 03/26 Time Off: 16:04 03/26
 Time On Bottom: 10:30 03/26 Time Off Bottom: 13:30 03/26

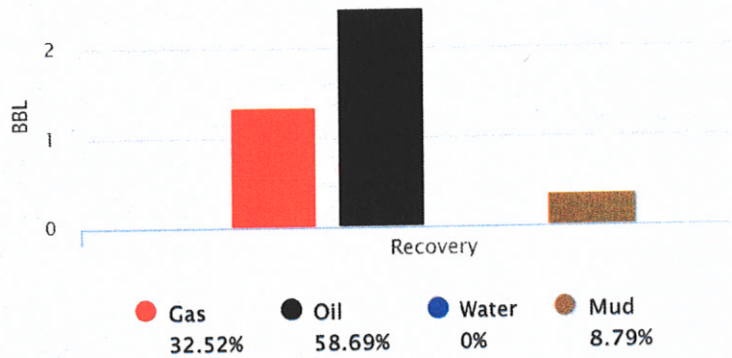
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
95	1.35185	G	100	0	0	0
145	2.06335	O	0	100	0	0
10	0.1423	SLMCO	0	96	0	4
120	0.5998031	HOCM	0	40	0	60

Total Recovered: 370 ft
 Total Barrels Recovered: 4.1573031

Reversed Out
 NO

Initial Hydrostatic Pressure	2147	PSI
Initial Flow	17 to 75	PSI
Initial Closed in Pressure	1129	PSI
Final Flow Pressure	82 to 119	PSI
Final Closed in Pressure	1041	PSI
Final Hydrostatic Pressure	2144	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	7.8	%

Recovery at a glance



GIP cubic foot volume: 7.58996



Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 2
Elevation: 2577 GL
Field Name: Unice NE
Pool: Pool Ext
Job Number: 323

Operation:

Test Complete

DATE

March

26

2019

DST #1

Formation:
Mississippi

Test Interval: 4444 - 4523'

Total Depth: 4523'

Time On: 07:53 03/26

Time Off: 16:04 03/26

Time On Bottom: 10:30 03/26

Time Off Bottom: 13:30 03/26

Mud Properties

Mud Type: Chemical

Weight: 9.25

Viscosity: 48

Filtrate: 8.4

Chlorides: 3,500 ppm



Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 2
Elevation: 2577 GL
Field Name: Unice NE
Pool: Pool Ext
Job Number: 323

Operation:
Test Complete

DATE
March
26
2019

DST #2 **Formation: Mississippi** **Test Interval: 4524 - 4532'** **Total Depth: 4532'**
Time On: 23:18 03/26 Time Off: 07:12 03/27
Time On Bottom: 01:47 03/27 Time Off Bottom: 04:47 03/27

Electronic Volume Estimate:
134'

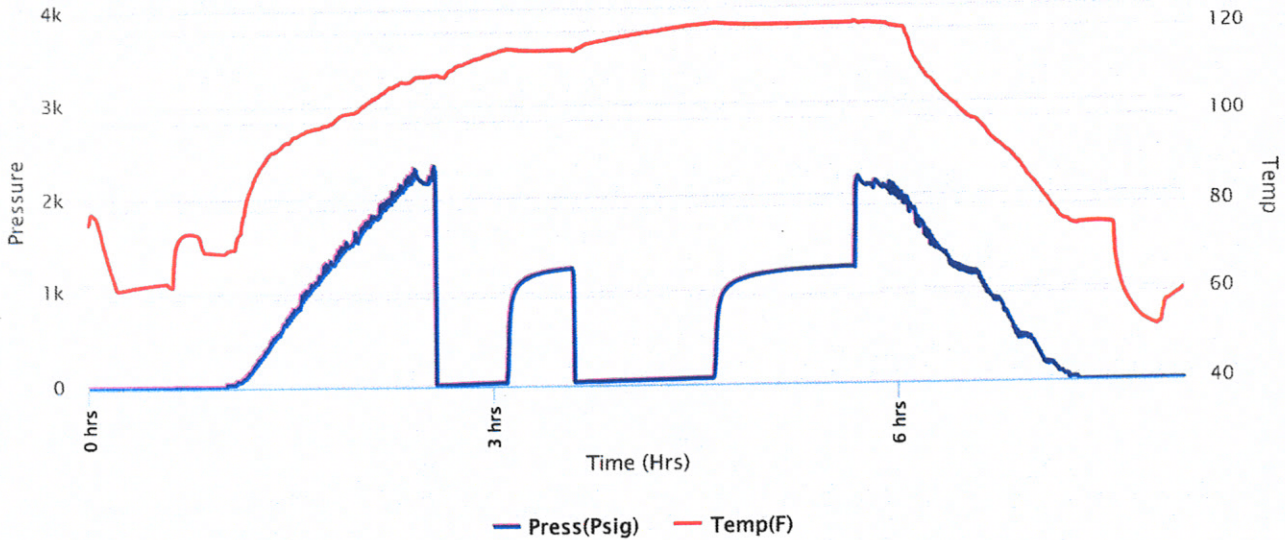
1st Open
Minutes: 30
Current Reading:
2.2" at 30 min
Max Reading: 2.2"

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

2nd Open
Minutes: 60
Current Reading:
2.5" at 60 min
Max Reading: 2.5"

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

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
 County: NESS
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 2
 Elevation: 2577 GL
 Field Name: Unice NE
 Pool: Pool Ext
 Job Number: 323

Operation:
 Test Complete

DATE
 March
26
 2019

DST #2

Formation:
 Mississippi

Test Interval: 4524 - 4532'

Total Depth: 4532'

Time On: 23:18 03/26

Time Off: 07:12 03/27

Time On Bottom: 01:47 03/27

Time Off Bottom: 04:47 03/27

Recovered

Foot	BBLs
115	0.5658

Description of Fluid
 SLMCW (trace oil)

Gas %
 0

Oil %
 .1

Water %
 89.9

Mud %
 10

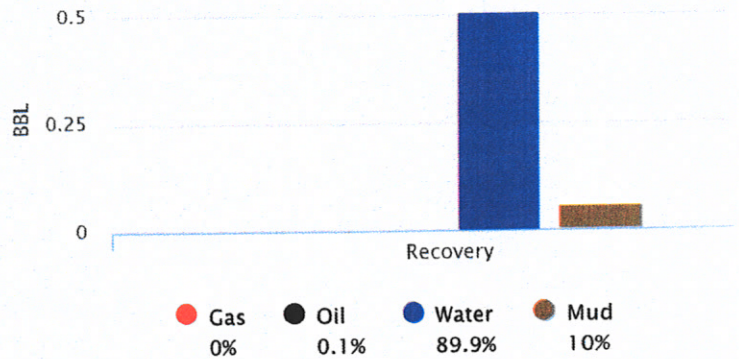
Total Recovered: 115 ft

Total Barrels Recovered: 0.5658

Reversed Out
 NO

Initial Hydrostatic Pressure	2209	PSI
Initial Flow	10 to 33	PSI
Initial Closed in Pressure	1240	PSI
Final Flow Pressure	34 to 61	PSI
Final Closed in Pressure	1230	PSI
Final Hydrostatic Pressure	2198	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	0.8	%

Recovery at a glance



GIP cubic foot volume: 0



**Company: Palomino Petroleum,
Inc.**

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 2
Elevation: 2577 GL
Field Name: Unice NE
Pool: Pool Ext
Job Number: 323

Operation:

Test Complete

DATE

March

26

2019

DST #2

**Formation:
Mississippi**

**Test Interval: 4524 -
4532'**

Total Depth: 4532'

Time On: 23:18 03/26

Time Off: 07:12 03/27

Time On Bottom: 01:47 03/27

Time Off Bottom: 04:47 03/27

BUCKET MEASUREMENT:

1st Open: Surface blow building to 2 1/4 ins.

1st Close: No blow back.

2nd Open: Surface blow building to 2 1/4 ins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 2% Oil 75% Water 23% Mud

Ph: 7.0

Measured RW: .6 @ 66 degrees °F

RW at Formation Temp: 0.339 @ 122 °F

Chlorides: 10,000 ppm



Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 2
Elevation: 2577 GL
Field Name: Unice NE
Pool: Pool Ext
Job Number: 323

Operation:
Test Complete

DATE
March
26
2019

DST #2 **Formation:** Mississippi **Test Interval:** 4524 - 4532' **Total Depth:** 4532'
Time On: 23:18 03/26 Time Off: 07:12 03/27
Time On Bottom: 01:47 03/27 Time Off Bottom: 04:47 03/27

Down Hole Makeup

Heads Up: 17.48 FT	Packer 1: 4519 FT
Drill Pipe: 4389.92 FT <i>ID-3 1/2</i>	Packer 2: 4524 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4508.42 FT
Collars: 118.99 FT <i>ID-2 1/4</i>	Bottom Recorder: 4526 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Total Anchor: 8

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 0 FT
4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT
ID-3 1/2

Change Over: 0 FT

Perforations: (below): 7 FT
4 1/2-FH



Company: Palomino Petroleum, Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: WW Driling, LLC - Rig 2
Elevation: 2577 GL
Field Name: Unice NE
Pool: Pool Ext
Job Number: 323

Operation:

Test Complete

DATE

March

26

2019

DST #2

Formation:
Mississippi

Test Interval: 4524 - 4532'

Total Depth: 4532'

Time On: 23:18 03/26

Time Off: 07:12 03/27

Time On Bottom: 01:47 03/27

Time Off Bottom: 04:47 03/27

Mud Properties

Mud Type: Chemical

Weight: 9.4

Viscosity: 47

Filtrate: 8.0

Chlorides: 4,500 ppm