

Operation: Test Complete Company: Palomino Petroleum, SEC: 14 TWN: County: NESS Inc.

Lease: Hagans "14" #4

SEC: 14 TWN: 165 RNG: 26W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 2577 GL Field Name: Unice NE Pool: Pool Ext Job Number: 323

DATE March 26

2019

DST #1

Formation: Mississippi

Time On: 07:53 03/26

Test Interval: 4444 -

Total Depth: 4523'

4523'

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:

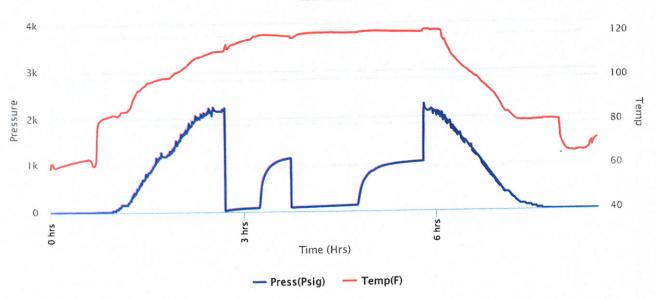
15.4" at 60 min

Max Reading: 15.4"

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

Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, SEC: 14 TWN: County: NESS Inc.

SEC: 14 TWN: 16S RNG: 26W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Mud %

Rig 2

Elevation: 2577 GL Field Name: Unice NE

Pool: Pool Ext Job Number: 323

Operation: Test Complete

DATE

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2019

DST #1

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Total Depth: 4523'

Water %

4523'

Time On: 07:53 03/26

Time Off: 16:04 03/26

Oil %

Time On Bottom: 10:30 03/26 Time Off Bottom: 13:30 03/26

Can 0/

Recovered

Foot	BBLS	Description of Fluid
95	1.35185	G
145	2.06335	0
10	0.1423	SLMCO
120	0.5998031	HOCM

Gas % Oil %	10 IVIGG 70	
100 0	0 0	
0 100	0 0	
0 96	0 4	
0 40	0 60	

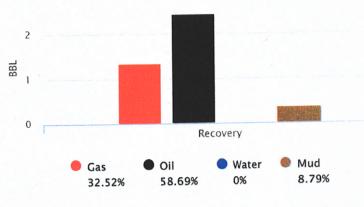
Total Recovered: 370 ft

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	7.8	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 7.58996



Test Complete

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Time On: 07:53 03/26

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BUCKET MEASUREMENT:

1st Open: Surface blow building to 9 1/2 ins.

1st Close: No blow back.

2nd Open: Surface blow building. BOB in 44 mins.

DST #1

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 43% Oil 0% Water 57% Mud

Gravity: 36.2 @ 60 °F



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Rig 2

Elevation: 2577 GL Field Name: Unice NE Pool: Pool Ext

Job Number: 323

DATE March

Test Complete

26 2019 **DST #1**

Formation: Mississippi Test Interval: 4444 -

Total Depth: 4523'

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

Down Hole Makeup

Heads Up: 33.88 FT

4438.74 FT Packer 1:

4326.06 FT **Drill Pipe:**

4443.74 FT Packer 2:

ID-3 1/2

4428.16 FT Top Recorder:

Weight Pipe: 0 FT

4513 FT **Bottom Recorder:**

ID-2 7/8

118.99 FT

Well Bore Size: 7 7/8

Collars: ID-2 1/4

Surface Choke:

1"

Test Tool:

33.57 FT

ID-3 1/2-FH

Jars

Safety Joint

Bottom Choke: 5/8"

Anchor Makeup

Packer Sub:

Total Anchor:

1 FT

79.26

Perforations: (top):

2 FT

4 1/2-FH

Change Over:

1 FT

Drill Pipe: (in anchor):

63.26 FT

ID-3 1/2

Change Over:

Perforations: (below):

11 FT

1 FT

4 1/2-FH



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Total Depth: 4523'

4523'

Time On: 07:53 03/26

Time Off: 16:04 03/26

Mud Properties

Mud Type: Chemical

Weight: 9.25

Viscosity: 48

Filtrate: 8.4

Chlorides: 3,500 ppm



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Rig 2

Elevation: 2577 GL Field Name: Unice NE Pool: Pool Ext

Job Number: 323

DATE March 26 2019

DST #2

Formation: Mississippi Test Interval: 4524 -

Total Depth: 4532'

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 Current Reading: 0" at 30 min Max Reading: 0"

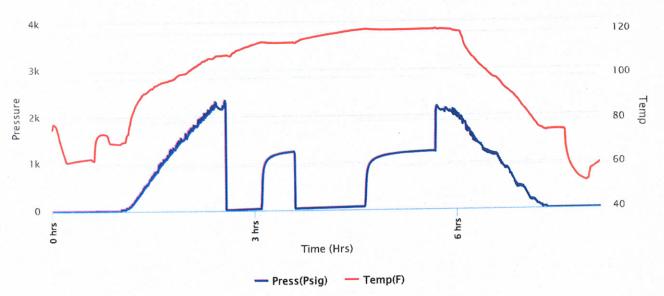
2nd Open Minutes: 60 **Current Reading:**

2.5" at 60 min

Max Reading: 2.5"

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

Inside Recorder





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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 Lease: Hagans "14" #4

DATE March 26

2019

DST #2

Formation: Mississippi

Reversed Out

Test Interval: 4524 -

Total Depth: 4532'

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 115 0.5658 Description of Fluid SLMCW (trace oil)

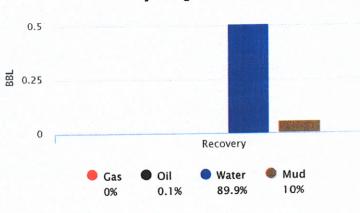
Mud % Gas % Oil % Water % 89.9 10 .1 0

Total Recovered: 115 ft

Total Barrels Recovered: 0.5658

		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	8.0	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

March

26

2019

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



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Down Hole Makeup

Heads Up:

17.48 FT

Packer 1:

4519 FT

Drill Pipe:

4389.92 FT

Packer 2:

4524 FT

ID-3 1/2

Top Recorder:

4508.42 FT

Weight Pipe:

0 FT

Bottom Recorder:

4526 FT

ID-2 7/8

Well Bore Size:

77/8

1"

5/8"

Collars: ID-2 1/4 118.99 FT

Surface Choke:

Test Tool:

33.57 FT

Bottom Choke:

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

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:

4 1/2-FH

0 FT

Perforations: (below):

7 FT



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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