34W TEST NO. 1 DATE 1-19-1



Operation: Test Complete

Company: Palomino Petroleum, County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January

19

2019

DST #1

Formation: L/KC "K"

Test Interval: 4306 -

Total Depth: 4343'

4343'

Time On: 13:30 01/19

Time Off: 16:31 01/19

Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01

Recovered

Foot

BBLS

Close / Final Close

Description of Fluid

Gas %

Oil %

Water %

Mud %

Total Recovered: 0 ft Total Barrels Recovered: 0

Reversed Out NO

Initial Hydrostatic Pressure	0	PSI
Initial Flow	0	PSI
Initial Closed in Pressure	0	PSI
Final Flow Pressure	0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	0	PSI
Temperature	0	°F
Pressure Change Initial	0.0	%

No.

Operation:

Test Complete

Company: Palomino Petroleum, SEC: 16 I WN: 2 County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January

19

2019

DST #1 Formation: L/KC "K" Test Interval: 4306 -Total Depth: 4343' 4343'

Time On: 13:30 01/19 Time Off: 16:31 01/19

Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01





Company: Palomino Petroleum, SEC: 16 TWN: 2 County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January

19

2019

DST #1

Formation: L/KC "K"

Test Interval: 4306 -

Total Depth: 4343'

4343'

Time On: 13:30 01/19

Time Off: 16:31 01/19

Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01

BUCKET MEASUREMENT:

1st Open: N/A 1st Close: N/A 2nd Open: N/A 2nd Close: N/A

REMARKS:

Hit 3-4 bridges about 1/2 way in.



Company: Palomino Petroleum, SEC: 16 I WN: 2 County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January

19 2019 Formation: L/KC "K"

Test Interval: 4306 -

Total Depth: 4343'

4343'

Time On: 13:30 01/19

Time Off: 16:31 01/19

Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01

Down Hole Makeup

Heads Up:

10.9 FT

DST #1

Packer 1:

4301 FT

Drill Pipe:

4167.62 FT

Packer 2:

4306 FT

ID-3 1/2

Top Recorder:

4290.42 FT

Weight Pipe:

0 FT

Bottom Recorder:

4308 FT

ID-2 7/8

Well Bore Size:

7 7/8

Collars: ID-2 1/4 116.71 FT

Surface Choke:

1"

5/8"

Test Tool:

33.57 FT

Bottom Choke:

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

37

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):

36 FT

4 1/2-FH



Company: Palomino Petroleum, SEC: 16 TWN: 20S RNG: 34W County: SCOTT Inc.

Lease: Rocking R Farms #3

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January

19 2019 Formation: L/KC "K"

Test Interval: 4306 -

Total Depth: 4343'

4343'

Time On: 13:30 01/19

Time Off: 16:31 01/19

Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01

Mud Properties

Mud Type: Chemical

Weight: 9.3

DST #1

Viscosity: 64

Filtrate: 8.4

Chlorides: 7,200 ppm



Test Complete

Company: Palomino Petroleum, SEC: 16 I WIN: 2 Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January 19 2019

DST #2 Formation: L/KC "K" Test Interval: 4306 -

Total Depth: 4343'

4343'

Time On: 21:50 01/19

Time Off: 05:48 01/20

Time On Bottom: 00:42 01/20 Time Off Bottom: 02:12 01/20

DANGER **H2S Present** 4.9 PPM

Electronic Volume Estimate: 1757'

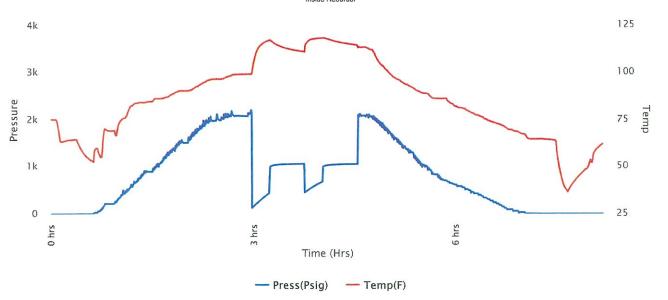
1st Open Minutes: 15 Current Reading: 89.2" at 15 min Max Reading: 89.2"

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

2nd Open Minutes: 15 Current Reading: 74.1" at 15 min Max Reading: 74.1"

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

Inside Recorder





Test Complete

Company: Palomino Petroleum, SEC: 16 TWN: 2 Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January 19 2019

Formation: L/KC "K" **DST #2**

Test Interval: 4306 -4343'

Total Depth: 4343'

DANGER **H2S** Present

Time On: 21:50 01/19

Time Off: 05:48 01/20

Time On Bottom: 00:42 01/20 Time Off Bottom: 02:12 01/20

4.9 PPM

Recovered

Foot **BBLS** 540 7.6842 12.2896299 940

Description of Fluid MCW (trace oil) SLMCW (trace oil)

Gas % Oil % 0 .6 0 .2

74.4 98.8

Water %

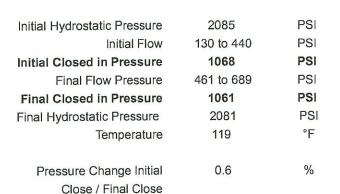
Mud % 25 1

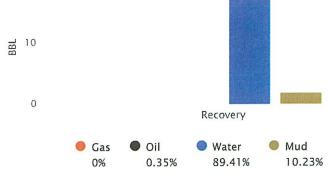
Total Recovered: 1480 ft

Total Barrels Recovered: 19.9738299

NO

Recovery at a glance





GIP cubic foot volume: 0



Test Complete

Company: Palomino Petroleum, SEC: 16 TWN: 2 Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January 19 2019

DST#2 Formation: L/KC "K" Test Interval: 4306 -4343'

Total Depth: 4343'

DANGER **H2S Present** 4.9 PPM

Time On: 21:50 01/19

Time Off: 05:48 01/20

Time On Bottom: 00:42 01/20 Time Off Bottom: 02:12 01/20

BUCKET MEASUREMENT:

1st Open: 3 in. blow building. BOB in 2 1/2 mins.

1st Close: No blow back.

2nd Open: 2 1/2 in. blow building. BOB in 3 1/2 mins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 96% Water 4% Mud

Ph: 8.5

Measured RW: .33 @ 56 degrees °F

RW at Formation Temp: 0.165 @ 119 °F

Chlorides: 25,000 ppm

Max H2S Reading: 4.9 ppm



Company: Palomino Petroleum, SEC: 16 TWN: 2 Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January

19 2019 **DST #2** Formation: L/KC "K"

Test Interval: 4306 -4343'

Total Depth: 4343'

DANGER **H2S Present**

4.9 PPM

Time On: 21:50 01/19

Time Off: 05:48 01/20

Time On Bottom: 00:42 01/20 Time Off Bottom: 02:12 01/20

Down Hole Makeup

Heads Up:

10.9 FT

Packer 1:

4301 FT

Drill Pipe:

4167.62 FT

Packer 2:

4306 FT

ID-3 1/2

Top Recorder:

4290.42 FT

Weight Pipe:

0 FT

Bottom Recorder:

4308 FT

ID-2 7/8

116.71 FT

33.57 FT

Well Bore Size:

Collars: ID-2 1/4

Surface Choke:

Bottom Choke:

7 7/8

5/8"

Test Tool: ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

Anchor Makeup

Packer Sub:

1 FT 0 FT

Perforations: (top):

4 1/2-FH

Change Over:

0 FT

Drill Pipe: (in anchor):

0 FT

ID-3 1/2

Change Over:

0 FT

Perforations: (below):

36 FT

4 1/2-FH



Test Complete

Inc. Lease: Rocking R Farms #3

Company: Palomino Petroleum, SEC: 16 TWN: 20S RNG: 34W County: SCOTT

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext

Job Number: 304

DANGER

DATE January

19 2019 DST#2 Formation: L/KC "K" Test Interval: 4306 -4343'

Total Depth: 4343'

H2S Present 4.9 PPM

Time On: 21:50 01/19

Time Off: 05:48 01/20

Time On Bottom: 00:42 01/20 Time Off Bottom: 02:12 01/20

Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 64

Filtrate: 8.4

Chlorides: 7,200 ppm



Test Complete

Company: Palomino Petroleum, SEC: 16 TWN: 2 Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January

21 2019 **DST #3**

Formation: Marmaton

Test Interval: 4483 -

Total Depth: 4513'

4513'

Time On: 01:21 01/21

Time Off: 10:13 01/21

Time On Bottom: 04:19 01/21 Time Off Bottom: 07:19 01/21

2nd Open

Minutes: 60

Current Reading:

Electronic Volume Estimate:

1604'

1st Open Minutes: 30 Current Reading:

51.1" at 30 min

Max Reading: 51.1"

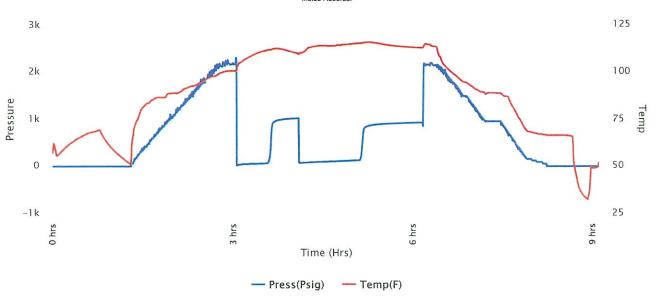
1st Close Minutes: 30 Current Reading: 1.8" at 30 min

80.6" at 60 min Max Reading: 1.8" Max Reading: 80.6"

2nd Close Minutes: 60 Current Reading:

7.0" at 60 min Max Reading: 7.0"

Inside Recorder





Test Complete

Company: Palomino Petroleum, SEC: 16 TWN: 2 County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January 21

2019

DST #3

Formation: Marmaton

Test Interval: 4483 -

Total Depth: 4513'

4513'

Time On: 01:21 01/21

Time Off: 10:13 01/21

Time On Bottom: 04:19 01/21 Time Off Bottom: 07:19 01/21

Recovered

<u>Foot</u>	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
1750	24.9025	G	100	0	0	0
180	2.5614	SLGCO	3	97	0	0
20	0.2846	SLGCMCO	5	74	0	21
120	0.6210299	SLGCHOCM	6	42	0	52

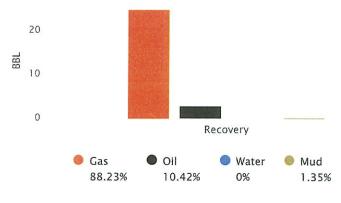
Total Recovered: 2070 ft

Total Barrels Recovered: 28.3695299 Reversed Out

Close / Final Close

Initial Hydrostatic Pressure	2172	PSI
Initial Flow	20 to 71	PSI
Initial Closed in Pressure	1026	PSI
Final Flow Pressure	76 to 134	PSI
Final Closed in Pressure	935	PSI
Final Hydrostatic Pressure	2172	PSI
Temperature	116	°F
Pressure Change Initial	8.8	%

Recovery at a glance



GIP cubic foot volume: 140.53562



Test Complete

Company: Palomino Petroleum, SEC: 16 TWN: 2 County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January

21 2019 **DST #3**

Formation: Marmaton

Test Interval: 4483 -

Total Depth: 4513'

4513'

Time On: 01:21 01/21

Time Off: 10:13 01/21

Time On Bottom: 04:19 01/21 Time Off Bottom: 07:19 01/21

BUCKET MEASUREMENT:

1st Open: 1/4 in. blow building. BOB in 8 1/2 mins.

1st Close: 2 in. blow back.

2nd Open: Surface blow building. BOB in 8 mins.

2nd Close: 7 in. blow back.

REMARKS:

Tool Sample: 0% Gas 98% Oil 0% Water 2% Mud

Gravity: 32.9 @ 60 °F



Company: Palomino Petroleum, SEC: 16 IVIN: 2 Inc.

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

Operation: Test Complete

DATE

January

21

2019

Lease: Rocking R Farms #3

DST #3

Formation: Marmaton

Test Interval: 4483 -

4513'

Total Depth: 4513'

Time On: 01:21 01/21

Time Off: 10:13 01/21

Time On Bottom: 04:19 01/21 Time Off Bottom: 07:19 01/21

Down Hole Makeup

Heads Up:

24.11 FT

Packer 1:

4478 FT

Drill Pipe:

4357.83 FT

Packer 2:

4483 FT

ID-3 1/2

Top Recorder:

4467.42 FT

Weight Pipe:

0 FT

ID-2 7/8

Bottom Recorder:

4485 FT

Collars:

Well Bore Size: 116.71 FT

7 7/8

5/8"

ID-2 1/4

33.57 FT

Surface Choke: **Bottom Choke:**

Test Tool: ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

30

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):

29 FT

4 1/2-FH



Test Complete

Company: Palomino Petroleum, SEC: 16 TWN: 2 County: SCOTT

Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January

21 2019 **DST #3**

Formation: Marmaton

Test Interval: 4483 -

Total Depth: 4513'

4513'

Time On: 01:21 01/21

Time Off: 10:13 01/21

Time On Bottom: 04:19 01/21 Time Off Bottom: 07:19 01/21

Mud Properties

Mud Type: Chemical

Weight: 9.35

Viscosity: 48

Filtrate: 9.6

Chlorides: 7,700 ppm



Test Complete

Company: Palomino Petroleum, Sec. 16 TWN: 2 Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January 21 2019

DST #4

Formation: Pawnee

Test Interval: 4512 -

Total Depth: 4600'

4600'

Time On: 22:02 01/21

Time Off: 05:26 01/22

Time On Bottom: 00:47 01/22 Time Off Bottom: 02:47 01/22

Electronic Volume Estimate:

39'

1st Open Minutes: 30 Current Reading: 1.1" at 30 min

Max Reading: 1.1"

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

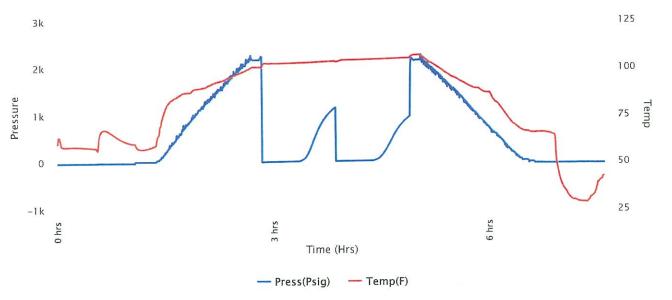
2nd Open Minutes: 30 Current Reading:

0" at 30 min Max Reading: 0"

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

Inside Recorder

Max Reading: 0"





Company: Palomino Petroleum, SEC: 16 TWN: 20S RNG: 34W County: SCOTT Inc.

Lease: Rocking R Farms #3

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE January 21 2019

DST#4

Formation: Pawnee

Test Interval: 4512 -

Total Depth: 4600'

4600'

Time On: 22:02 01/21

Time Off: 05:26 01/22

Time On Bottom: 00:47 01/22 Time Off Bottom: 02:47 01/22

Recovered

BBLS <u>Foot</u> 65 0.3198 Description of Fluid SLOCM

Gas % 0

Oil % 1

Water % 0

Mud % 99

Total Recovered: 65 ft

Total Barrels Recovered: 0.3198

Reversed Out

Recovery at a glance

		NO					
Initial Hydrostatic Pressure	2199	PSI	0.2 188				
Initial Flow	26 to 44	PSI	Ω				
Initial Closed in Pressure	1188	PSI					
Final Flow Pressure	46 to 59	PSI					
Final Closed in Pressure	1002	PSI	0			Recovery	
Final Hydrostatic Pressure	2190	PSI				3.50	
Temperature	106	°F		Gas	Oil	Water	Mud
				0%	1%	0%	99%
Pressure Change Initial	15.7	%					
Close / Final Close			GIP cubic foc	ot volume: 0			



Company: Palomino Petroleum, SEC: 16 TWN: 20S RNG: 34W County: SCOTT Inc.

Lease: Rocking R Farms #3

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January 21

2019

DST #4

Formation: Pawnee

Test Interval: 4512 -

Total Depth: 4600'

4600'

Time On: 22:02 01/21

Time Off: 05:26 01/22

Time On Bottom: 00:47 01/22 Time Off Bottom: 02:47 01/22

BUCKET MEASUREMENT:

1st Open: 1/4 in. blow building to 1 in.

1st Close: No blow back. 2nd Open: Surface blow. 2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



Company: Palomino Petroleum, SEC: 16 TWN: 2 County: SCOTT Inc.

Lease: Rocking R Farms #3

SEC: 16 TWN: 20S RNG: 34W

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DATE

January 21 2019

Formation: Pawnee

Test Interval: 4512 -

Total Depth: 4600'

4600'

Time On: 22:02 01/21

Time Off: 05:26 01/22

Time On Bottom: 00:47 01/22 Time Off Bottom: 02:47 01/22

Down Hole Makeup

Heads Up:

26.08 FT

DST #4

Packer 1:

4507.21 FT

Drill Pipe:

4389.01 FT

Packer 2:

4512.21 FT

ID-3 1/2

Top Recorder:

4496.63 FT

Weight Pipe:

0 FT

Bottom Recorder:

4583 FT

ID-2 7/8

Collars:

116.71 FT

Well Bore Size:

Bottom Choke:

7 7/8

5/8"

ID-2 1/4

33.57 FT

Surface Choke:

1"

Test Tool: ID-3 1/2-FH

Jars Safety Joint

Total Anchor: 87.79

Anchor Makeup

Packer Sub:

1 FT

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

4 FT

Change Over:

1 FT

Drill Pipe: (in anchor):

62.79 FT

ID-3 1/2

4 1/2-FH

Change Over:

1 FT

Perforations: (below):

18 FT



January

21

2019

Company: Palomino Petroleum, SEC: 16 TWN: 20S RNG: 34W County: SCOTT Inc.

Lease: Rocking R Farms #3

State: Kansas

Drilling Contractor: WW Driling, LLC -

Rig 2

Elevation: 3077 GL

Field Name: Whitesand Creek South

Pool: Pool Ext Job Number: 304

DST#4 DATE

Formation: Pawnee

Test Interval: 4512 -

Total Depth: 4600'

4600'

Time On: 22:02 01/21

Time Off: 05:26 01/22

Time On Bottom: 00:47 01/22 Time Off Bottom: 02:47 01/22

Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 52

Filtrate: 7.6

Chlorides: 7,100 ppm