

Company: BlueRidge **Petroleum Corporation** Lease: Dean #1-2

Operation:

Uploading recovery & pressures

DATE

December

11

2019

DST #1

Formation: Miss

Test Interval: 3298 -

Total Depth: 3332'

SEC: 2 TWN: 23S RNG: 4W

Drilling Contractor: Southwind Drilling,

County: RENO State: Kansas

Elevation: 1461 GL

Field Name: Burrton Pool: Infield

API#: 15-155-21768

Job Number: 417

Inc - Rig 1

3332

Time On: 12:04 12/11

Time Off: 18:19 12/11

Time On Bottom: 13:46 12/11 Time Off Bottom: 16:16 12/11

Electronic Volume Estimate:

385'

1st Open Minutes: 15 **Current Reading:**

23.5" at 15 min

Max Reading: 23.5"

1st Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open Minutes: 45 **Current Reading:**

22.7" at 45 min

Max Reading: 22.7"

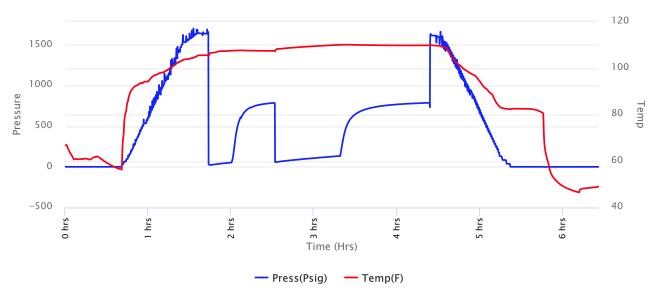
2nd Close Minutes: 60

Current Reading:

0" at 60 min

Max Reading: .1"

Inside Recorder





Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

Operation:

Uploading recovery & pressures

DATEDecember

11

2019

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DST #1	Formation: Miss	Test Interval: 3298 -	Total Depth: 3332'
		3332'	-

Time On: 12:04 12/11 Time Off: 18:19 12/11

Time On Bottom: 13:46 12/11 Time Off Bottom: 16:16 12/11

Recovered

<u>Foot</u>	BBLS	Description of Fluid
116	1.65068	G
73	1.03879	HGM
126	1.79298	SLOCHWCM
63	0.89649	SLGCSLMCW

<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
100	0	0	0
0	0	0	100
0	1	44	55
0	1	89	10

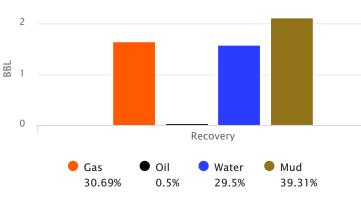
Total Recovered: 378 ft

Total Barrels Recovered: 5.37894

Reversed Out			
Reversed Out NO			

Initial Hydrostatic Pressure	1638	PSI
Initial Flow	24 to 54	PSI
Initial Closed in Pressure	776	PSI
Final Flow Pressure	59 to 134	PSI
Final Closed in Pressure	788	PSI
Final Hydrostatic Pressure	1620	PSI
Temperature	111	°F
Pressure Change Initial	0.0	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 9.26774



Uploading recovery & pressures

DATE

December

11

2019

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO

State: Kansas Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DST #1 Formation: Miss Test Interval: 3298 - Total Depth: 3332'

3332

Time On: 12:04 12/11 Time Off: 18:19 12/11

Time On Bottom: 13:46 12/11 Time Off Bottom: 16:16 12/11

BUCKET MEASUREMENT:

1st Open: 1/2 Blow. BOB in 3 mins

1st Close: NOBB

2nd Open: 1 1/4 Blow. BOB in 14 mins

2nd Close: Weak Blow Back

REMARKS:

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

Ph: 7

Measured RW: .27 @ 50 degrees °F

RW at Formation Temp: 0.13 @ 111 °F

Chlorides: 90,000 ppm



Operation:
Uploading recovery & pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2 SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1 Elevation: 1461 GL Field Name: Burrton

Pool: Infield Job Number: 417 API #: 15-155-21768

DATEDecember

11 2019 Formation: Miss Test Interval: 3298 - Total Depth: 3332'

3332'

Time On: 12:04 12/11 Time Off: 18:19 12/11

Time On Bottom: 13:46 12/11 Time Off Bottom: 16:16 12/11

Down Hole Makeup

Heads Up: 32.87 FT **Packer 1:** 3292.5 FT

Drill Pipe: 3305.21 FT **Packer 2**: 3298 FT

ID-3 1/2 **Top Recorder:** 3284.5 FT

Weight Pipe: FT Bottom Recorder: 3300 FT

Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 26.66 FT Bottom Choke: 5/8"

ID-3 1/2-FH

ID-2 7/8

Collars:

Total Anchor: 34

Anchor Makeup

FT

DST #1

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 33 FT

4 1/2-FH



SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL

Uploading recovery & pressures

Lease: Dean #1-2

Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

Total Depth: 3332'

DATE

December 11

2019

DST #1 Formation: Miss

Test Interval: 3298 -

3332'

Time On: 12:04 12/11 Time On

Time Off: 18:19 12/11

Time On Bottom: 13:46 12/11 Time Off Bottom: 16:16 12/11

Mud Properties

Mud Type: Chem Weight: 9.5 Viscosity: 62 Filtrate: 6.4 Chlorides: 2000 ppm

Company: BlueRidge Petroleum Corporation

Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1 Elevation: 1461 GL Field Name: Burrton 12/11/2019 DST #1 for - Diamond Testing, LLC

Uploading recovery & pressures

Pool: Infield Job Number: 417 API #: 15-155-21768

<u>DATE</u> December

11 2019

DST #1 Formation: Miss Test Interval: 3298 - Total Depth: 3332'

Time On: 12:04 12/11 Time Off: 18:19 12/11

Time On Bottom: 13:46 12/11 Time Off Bottom: 16:16 12/11

Gas Volume Report

1st Open 2nd Open



Company: BlueRidge **Petroleum Corporation**

Operation:

Uploading recovery & pressures

Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

DATE

December 12

2019

Formation: Hunton

Test Interval: 3614 -

Total Depth: 3622'

3622

Time On: 18:19 12/12 Time Off: 23:52 12/12

Time On Bottom: 19:44 12/12 Time Off Bottom: 21:59 12/12

Electronic Volume Estimate:

19'

1st Open Minutes: 15 **Current Reading:**

DST #2

1.2" at 15 min

Max Reading: 1.2"

1st Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open Minutes: 45 **Current Reading:**

.8" at 45 min

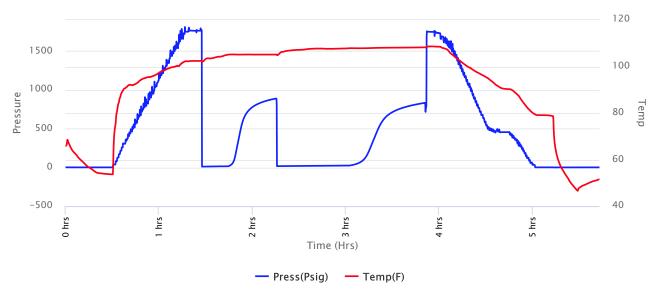
Max Reading: .8"

2nd Close Minutes: 45 Current Reading:

0" at 45 min

Max Reading: 0"

Inside Recorder





Operation: Uploading recovery & pressures

DATE

December

12

2019

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DST #2 Formation: Hunton Test Interval: 3614 - Total Depth: 3622'

Time On: 18:19 12/12 Time Off: 23:52 12/12

Time On Bottom: 19:44 12/12 Time Off Bottom: 21:59 12/12

Recovered

Foot	BBLS	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
18	0.25614	HWCM	0	0	30	70
2	0.02846	SLOCHMCW	0	15	50	35

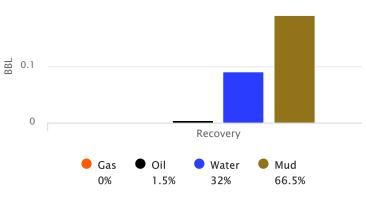
Total Recovered: 20 ft

Total Barrels Recovered: 0.2846

Reversed Out
NO

Initial Hydrostatic Pressure	1760	PSI
Initial Flow	10 to 15	PSI
Initial Closed in Pressure	888	PSI
Final Flow Pressure	17 to 24	PSI
Final Closed in Pressure	832	PSI
Final Hydrostatic Pressure	1754	PSI
Temperature	109	°F
Pressure Change Initial	6.3	%
Close / Final Close		





GIP cubic foot volume: 0



Uploading recovery & pressures

DATE

December

12

2019

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DST #2

Formation: Hunton

Test Interval: 3614 -

Total Depth: 3622'

3622'

Time On: 18:19 12/12

Time Off: 23:52 12/12

Time On Bottom: 19:44 12/12 Time Off Bottom: 21:59 12/12

BUCKET MEASUREMENT:

1st Open: WSB. Built to 1 1/4 inch in 15 mins

1st Close: NOBB

2nd Open: WSB. Built to 3/4 inch in 45 mins

2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 5% Oil 50% Water 45% Mud

Ph: 7

Measured RW: .32 @ 60 degrees °F

RW at Formation Temp: 0.185 @ 109 °F

Chlorides: 35000 ppm



Operation:
Uploading recovery &

pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

County: RENO

State: Kansas Drilling Contractor: Southwind Drilling,

SEC: 2 TWN: 23S RNG: 4W

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DATE

DST #2

December

12 2019

Formation: Hunton

Test Interval: 3614 -

Total Depth: 3622'

3622'

Time On: 18:19 12/12 Time Off: 23:52 12/12

Time On Bottom: 19:44 12/12 Time Off Bottom: 21:59 12/12

Down Hole Makeup

Heads Up: 34.17 FT Packer 1: 3609 FT

Drill Pipe: 3623.01 FT **Packer 2:** 3614 FT

ID-3 1/2

ID-2 7/8

Collars:

Top Recorder: 3601 FT

Weight Pipe: FT Bottom Recorder: 3616 FT

Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 26.16 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 8

Anchor Makeup

FT

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 7 FT

4 1/2-FH



SEC: 2 TWN: 23S RNG: 4W

County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Uploading recovery & pressures

Lease: Dean #1-2

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417

API #: 15-155-21768

DATE December

> 12 2019

DST #2 Formation: Hunton Test Interval: 3614 -Total Depth: 3622'

3622'

Time On: 18:19 12/12 Time Off: 23:52 12/12 Time On Bottom: 19:44 12/12 Time Off Bottom: 21:59 12/12

Mud Properties

Mud Type: Chem Weight: 9.55 Viscosity: 52 Filtrate: 6.8 Chlorides: 2400 ppm

Company: BlueRidge **Petroleum Corporation**

Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton 12/13/2019 DST #2 for - Diamond Testing, LLC

Uploading recovery & pressures

Pool: Infield Job Number: 417 API #: 15-155-21768

DATEDecember

12 2019

DST #2 Formation: Hunton Test Interval: 3614 - Total Depth: 3622' 3622'

Time On: 18:19 12/12 Time Off: 23:52 12/12

Time On Bottom: 19:44 12/12 Time Off Bottom: 21:59 12/12

Gas Volume Report

1st Open 2nd Open

Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D
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Uploading recovery &

pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

Dease: Dean #1

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DATE

December 13

2019

DST #3 Formation: Hunton Test Int

Test Interval: 3619 -

Total Depth: 3627'

3627'

Time On: 05:48 12/13 Time Off: 11:49 12/13

Time On Bottom: 07:09 12/13 Time Off Bottom: 09:39 12/13

Electronic Volume Estimate:

222'

1st Open Minutes: 30 Current Reading:

12" at 30 min

Max Reading: 12"

1st Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open Minutes: 45 Current Reading:

12" at 45 min

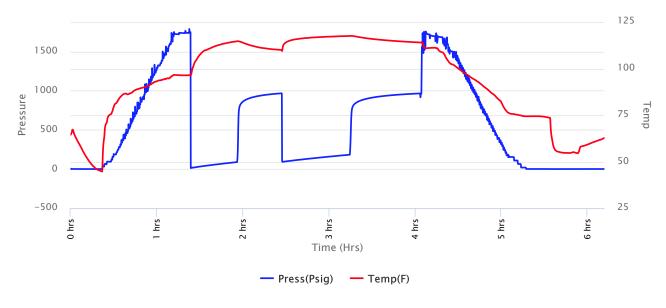
Max Reading: 12"

2nd Close Minutes: 45 Current Reading:

0" at 45 min

Max Reading: 0"

Inside Recorder





Petroleum Corporation Lease: Dean #1-2

Operation:

Uploading recovery & pressures

Company: BlueRidge

SEC: 2 TWN: 23S RNG: 4W

County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

DATE
December
13
2019

DST #3 Formation: Hunton Test Interval: 3619 -Total Depth: 3627' 3627

> Time On: 05:48 12/13 Time Off: 11:49 12/13

Time On Bottom: 07:09 12/13 Time Off Bottom: 09:39 12/13

Recovered

<u>Foot</u>	BBLS	Description of Fluid
5	0.07115	G
58	0.82534	HWCM
189	2.68947	SLMCW
126	1.79298	W

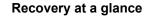
<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
100	0	0	0
0	0	30	70
0	0	95	5
0	0	100	0

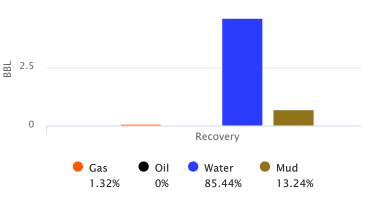
Total Recovered: 378 ft

Total Barrels Recovered: 5.37894

Reversed Out
Reversed Out NO

Initial Hydrostatic Pressure	1738	PSI
Initial Flow	12 to 89	PSI
Initial Closed in Pressure	968	PSI
Final Flow Pressure	92 to 183	PSI
Final Closed in Pressure	963	PSI
Final Hydrostatic Pressure	1734	PSI
Temperature	118	°F
Pressure Change Initial	0.5	%
Close / Final Close		





GIP cubic foot volume: 0.39947



Uploading recovery & pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

DST #3

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DATE

13 2019

Formation: Hunton

Test Interval: 3619 -

Total Depth: 3627'

3627'

Time On: 05:48 12/13 Tim

Time Off: 11:49 12/13

Time On Bottom: 07:09 12/13 Time Off Bottom: 09:39 12/13

BUCKET MEASUREMENT:

1st Open: 1/4 Blow. BOB in 30 mins

1st Close: NOBB

2nd Open: 1/4" Blow. BOB in 45 mins

2nd Close: NOBB

REMARKS:

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

Ph: 7

Measured RW: .22 @ 65 degrees °F

RW at Formation Temp: 0.127 @ 118 °F

Chlorides: 55000 ppm



Uploading recovery & pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DATE

13 2019

DST #3 Formation: Hunton

Test Interval: 3619 -

Total Depth: 3627'

3627'

Time On: 05:48 12/13 Time Off: 11:49 12/13

Time On Bottom: 07:09 12/13 Time Off Bottom: 09:39 12/13

Down Hole Makeup

Heads Up: 29.17 FT Packer 1: 3614 FT

Drill Pipe: 3623.01 FT **Packer 2:** 3619 FT

ID-3 1/2

FT

Top Recorder: 3606 FT

Weight Pipe: FT Bottom Recorder: 3666 FT

ID-2 7/8 Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 26.16 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Collars:

Total Anchor: 8

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 7 FT

4 1/2-FH



SEC: 2 TWN: 23S RNG: 4W

County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Uploading recovery & pressures

Lease: Dean #1-2

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

<u>DATE</u> December

13 2019

DST #3 Formation: Hunton Test Interval: 3619 - Total Depth: 3627'

Time On: 05:48 12/13 Time Off: 11:49 12/13

Time On Bottom: 07:09 12/13 Time Off Bottom: 09:39 12/13

Mud Properties

Mud Type: Chem Weight: 9.55 Viscosity: 52 Filtrate: 6.8 Chlorides: 2400 ppm

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2 SEC: 2 TWN: 23S RNG: 4W County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton 12/13/2019 DST #3 for - Diamond Testing, LLC

Uploading recovery & pressures

Pool: Infield Job Number: 417 API #: 15-155-21768

DATE December

13 2019 DST #3 Formation: Hunton Test Interval: 3619 - Total Depth: 3627'

Time On: 05:48 12/13 Time Off: 11:49 12/13

Time On Bottom: 07:09 12/13 Time Off Bottom: 09:39 12/13

Gas Volume Report

1st Open 2nd Open

Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D
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Company: BlueRidge **Petroleum Corporation** Lease: Dean #1-2

Operation:

Uploading recovery & pressures

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

DATE December

14 2019 **DST #4** Formation: Simpson Test Interval: 3748 -Total Depth: 3764' 3764'

Time Off: 07:21 12/14 Time On: 02:06 12/14

Time On Bottom: 03:44 12/14 Time Off Bottom: 05:44 12/14

Electronic Volume Estimate:

2'

1st Open Minutes: 30 **Current Reading:**

.1" at 30 min

Max Reading: .2"

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"

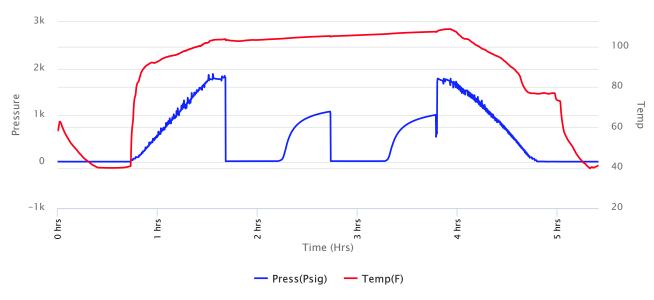
2nd Close Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: BlueRidge **Petroleum Corporation** Lease: Dean #1-2

Operation:

Uploading recovery & pressures

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

<u>DATE</u>
December
_

14 2019 **DST #4** Formation: Simpson Test Interval: 3748 -Total Depth: 3764' 3764'

Time On: 02:06 12/14 Time Off: 07:21 12/14

Time On Bottom: 03:44 12/14 Time Off Bottom: 05:44 12/14

Recovered

Foot	BBLS
5	0.07115

Description of Fluid Μ

Gas % 0

Water % 0

Mud % 100

Total Recovered: 5 ft

Total Barrels Recovered: 0.07115

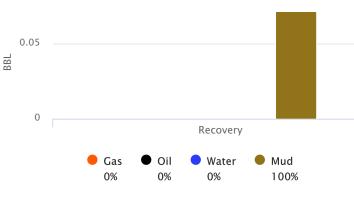
Reversed Out	t
NO	

Initial Hydrostatic Pressure	1763	PSI
Initial Flow	7 to 11	PSI
Initial Closed in Pressure	1077	PSI
Final Flow Pressure	11 to 12	PSI
Final Closed in Pressure	1005	PSI
Final Hydrostatic Pressure	1763	PSI
Temperature	108	°F
Pressure Change Initial	6.7	%
Close / Final Close		

Recovery at a glance

Oil %

0



GIP cubic foot volume: 0



Operation: Uploading recovery &

pressures

Company: BlueRidge **Petroleum Corporation** Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

DATE

December 14

2019

DST #4 Formation: Simpson Test Interval: 3748 -Total Depth: 3764' 3764'

Time On: 02:06 12/14 Time Off: 07:21 12/14

Time On Bottom: 03:44 12/14 Time Off Bottom: 05:44 12/14

BUCKET MEASUREMENT:

1st Open: WSB. But to 1/4 inch in 30 mins.

1st Close: NOBB 2nd Open: No Blow 2nd Close: NOBB

REMARKS:

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



Uploading recovery & pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

DATE DST #4

December 14

2019

Formation: Simpson Tes

Test Interval: 3748 -

Total Depth: 3764'

3735 FT

3764'

Time On: 02:06 12/14 Time Off: 07:21 12/14

Time On Bottom: 03:44 12/14 Time Off Bottom: 05:44 12/14

Down Hole Makeup

Heads Up: 27.4 FT Packer 1: 3743 FT

Drill Pipe: 3750.24 FT **Packer 2:** 3748 FT

ID-3 1/2 Top Recorder:

Weight Pipe: FT Bottom Recorder: 3752 FT

ID-2 7/8 Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 26.16 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Collars:

Total Anchor: 16

Anchor Makeup

FT

Packer Sub: 1 FT

Perforations: (top): 2 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 13 FT

4 1/2-FH



SEC: 2 TWN: 23S RNG: 4W

County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Uploading recovery & pressures

Lease: Dean #1-2

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

<u>DATE</u> December

14 2019

DST #4 Formation: Simpson Test Interval: 3748 - Total Depth: 3764'

3764'

Time On: 02:06 12/14 Time Off: 07:21 12/14
Time On Bottom: 03:44 12/14 Time Off Bottom: 05:44 12/14

Mud Properties

Mud Type: Chem Weight: 9.2 Viscosity: 51 Filtrate: 6.8 Chlorides: 1700 ppm

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2 SEC: 2 TWN: 23S RNG: 4W County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton 12/14/2019 DST #4 for - Diamond Testing, LLC

Uploading recovery & pressures

Pool: Infield Job Number: 417 API #: 15-155-21768

DATEDecember

14 2019

DST #4 Formation: Simpson Test Interval: 3748 - Total Depth: 3764'

Time On: 02:06 12/14 Time Off: 07:21 12/14

Time On Bottom: 03:44 12/14 Time Off Bottom: 05:44 12/14

Gas Volume Report

1st Open 2nd Open

PSI MCF/D Time Orifice PSI	ime	Time Orifice PSI	MCF/D	PSI	Orifice	Time	ſ
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Company: BlueRidge **Petroleum Corporation**

Operation:

Uploading recovery & pressures

Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

DATE December

15 2019 **DST #5** Formation: Simpson Test Interval: 3769 -Total Depth: 3876' 3780'

> Time Off: 08:47 12/15 Time On: 02:32 12/15

Time On Bottom: 04:09 12/15 Time Off Bottom: 05:54 12/15

Electronic Volume Estimate:

1437'

1st Open Minutes: 15 **Current Reading:** 89.4" at 15 min

Max Reading: 89.4"

1st Close Minutes: 20 Current Reading:

0" at 20 min

Max Reading: 0"

2nd Open Minutes: 30 **Current Reading:**

76" at 30 min

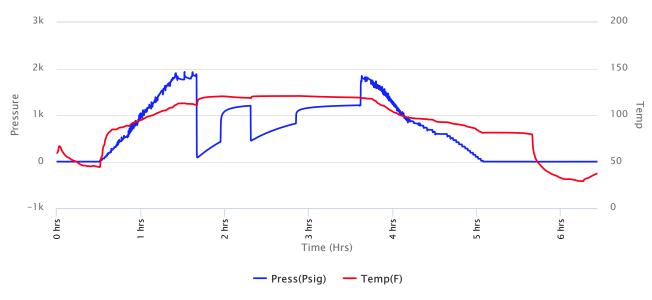
Max Reading: 76"

2nd Close Minutes: 40 Current Reading:

0" at 40 min

Max Reading: 0"

Inside Recorder





Operation: Uploading recovery &

DATE

December

15

2019

pressures

Company: BlueRidge **Petroleum Corporation** Lease: Dean #1-2

SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

DST #5 Formation: Simpson Test Interval: 3769 -Total Depth: 3876' 3780'

Time On: 02:32 12/15 Time Off: 08:47 12/15

Time On Bottom: 04:09 12/15 Time Off Bottom: 05:54 12/15

Recovered

<u>Foot</u>	BBLS	Description of Fluid	<u>Gas %</u>	<u>Oil</u>
493	7.01539	HWCM	0	0
1332	18.95436	SLMCW	0	0

Total Recovered: 1825 ft

Total Ba

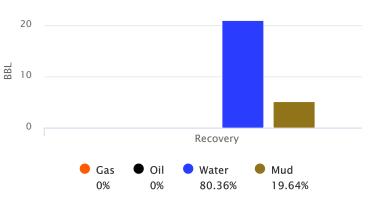
arrels Recovered: 25.96975		Reversed Out NO
Hydrostatic Pressure	1786	PSI

Initial Hydrostatic Pressure	1786	PSI
Initial Flow	88 to 426	PSI
Initial Closed in Pressure	1202	PSI
Final Flow Pressure	457 to 824	PSI
Final Closed in Pressure	1212	PSI
Final Hydrostatic Pressure	1785	PSI
Temperature	121	°F
Pressure Change Initial	0.0	%

Close / Final Close



Recovery at a glance



GIP cubic foot volume: 0



Company: BlueRidge **Petroleum Corporation** Lease: Dean #1-2

DST #5

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Inc - Rig 1

County: RENO State: Kansas

API#: 15-155-21768

SEC: 2 TWN: 23S RNG: 4W

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DATE December

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BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1" Blow. BOB in 1 1/4 mins

1st Close: NOBB

2nd Open: 1 1/2 Blow. BOB in 1 3/4 mins

2nd Close: NOBB

REMARKS:

Below Straddle Recorder: 1561

Tool Sample: 0% Gas 1% Oil 99% Water 0% Mud

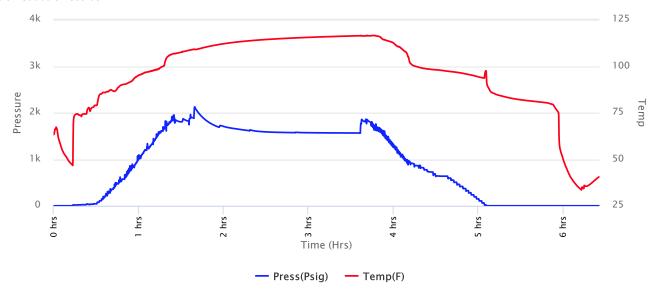
Ph: 7

Measured RW: .81 @ 48 degrees °F

RW at Formation Temp: 0.347 @ 121 °F

Chlorides: 22000 ppm

Below Straddle Recorder





Operation: Uploading recovery &

pressures

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County: RENO

State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API#: 15-155-21768

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December

Formation: Simpson

DST #5

Test Interval: 3769 -

Total Depth: 3876'

3780'

Time On: 02:32 12/15

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Down Hole Makeup

5.1300000000002 FT Packer 1: Heads Up: 3764 FT

Drill Pipe: 3748.97 FT Packer 2: 3769 FT

ID-3 1/2 Packer 3: 3780 FT

Weight Pipe: FT Top Recorder: 3756 FT

ID-2 7/8 **Bottom Recorder:** 3781 FT

Collars: FT

ID-2 1/4 **Below Straddle Recorder:** 3848 FT

Well Bore Size: 7 7/8 **Test Tool:** 26.16 FT

ID-3 1/2-FH **Surface Choke:** 1"

Total Anchor: 11 **Bottom Choke:** 5/8"

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 10 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below):

4 1/2-FH

STRADDLE

Straddle Packer(s):

Change Over: 1FT

> **Drill Pipe:** 63.5 FT

> > ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 29 FT

4 1/2-FH



Operation:
Uploading recovery &

pressures

Company: BlueRidge Petroleum Corporation Lease: Dean #1-2

DST #5

County: RENO State: Kansas Drilling Contract

Drilling Contractor: Southwind Drilling,

SEC: 2 TWN: 23S RNG: 4W

Inc - Rig 1

Elevation: 1461 GL Field Name: Burrton Pool: Infield Job Number: 417 API #: 15-155-21768

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Mud Properties

Mud Type: Chem Weight: 9.2 Viscosity: 47 Filtrate: 7.2 Chlorides: 1600 ppm



SEC: 2 TWN: 23S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: Southwind Drilling,

Inc - Rig 1 Elevation: 1461 GL

Uploading recovery & pressures

Lease: Dean #1-2

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