



**Company: Murfin Drilling
Company, Inc
Lease: Dauntless #15-1**

SEC: 1 TWN: 9S RNG: 56W
County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: Wildcat
Job Number: 97

DATE
December
09
2017

DST #1 **Formation: Fort Scott** **Test Interval: 7722 - 7770'** **Total Depth: 7770'**
Time On: 16:31 12/09 Time Off: 04:09 12/10
Time On Bottom: 21:30 12/09 Time Off Bottom: 12:37 12/11

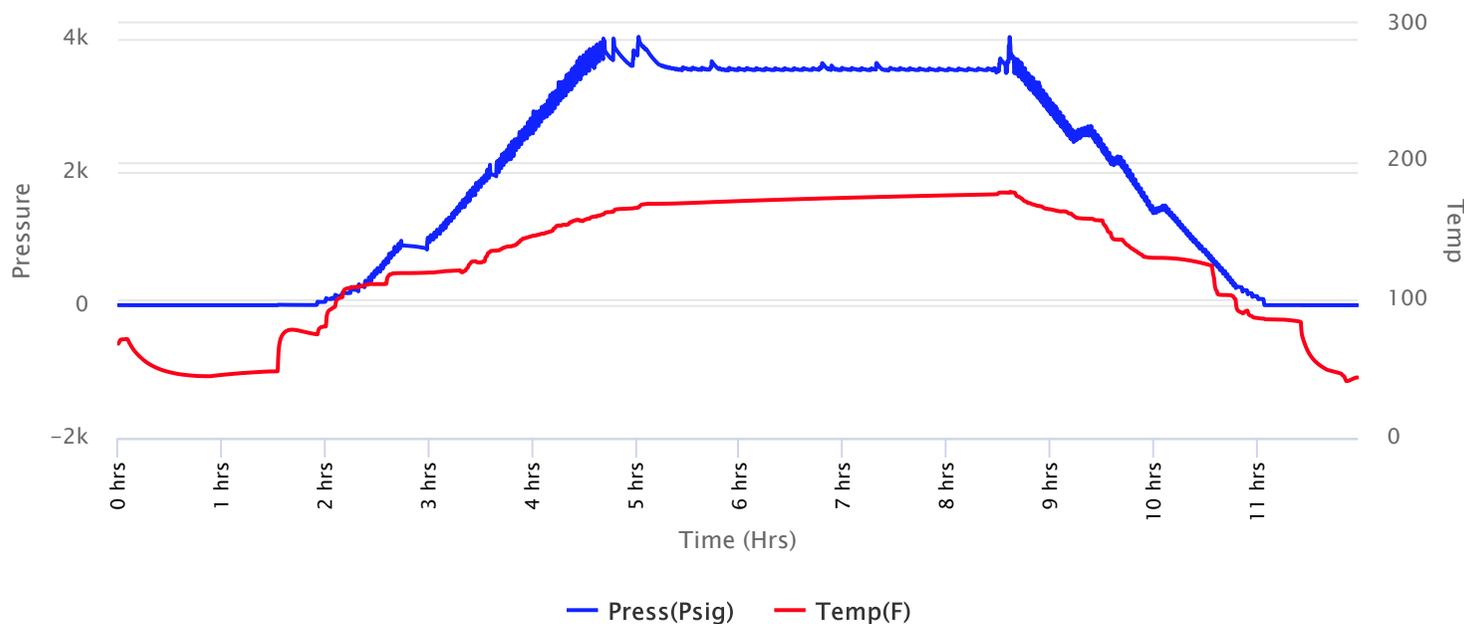
Electronic Volume
Estimate:
0'

1st Open
Minutes: 30
0" at 30 min

1st Close
Minutes: 60
0" at 60 min

2nd Open
Minutes: 30
0" at 30 min

2nd Close
Minutes: 60
0" at 60 min





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Recovered

Foot

BBLS

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 Close / Final Close	0.0	%



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	Time On: 16:31 12/09	Time Off: 04:09 12/10	
	Time On Bottom: 21:30 12/09	Time Off Bottom: 12:37 12/11	

REMARKS:

Invalid Test Do To Possible

1. Dog Leg up hole hindering the weight for being transferred to hydraulic tool.
2. Hydraulic Tool Malfunction

Hydraulic Tool was check before Dst 2 and is in working condition.



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	Time On: 16:31 12/09	Time Off: 04:09 12/10	
	Time On Bottom: 21:30 12/09	Time Off Bottom: 12:37 12/11	

Down Hole Makeup

Heads Up: 13.7 FT	Packer 1: 7716.5 FT
Drill Pipe: 7145.19 FT <i>ID-3 1/2</i>	Packer 2: 7722 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 7705.42 FT
Collars: 556.94 FT <i>ID-2 1/4</i>	Bottom Recorder: 7760 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 48	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	

Drill Pipe: (in anchor): 31.5 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 11 FT

4 1/2-FH



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	Time On: 16:31 12/09	Time Off: 04:09 12/10	
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Mud Properties

Mud Type: Chem

Weight: 9.4

Viscosity: 71

Filtrate: .8

Chlorides: 720 ppm



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	Time On: 16:31 12/09	Time Off: 04:09 12/10	
	Time On Bottom: 21:30 12/09	Time Off Bottom: 12:37 12/11	

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

Time	Orifice	PSI	MCF/D
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Pool: Wildcat
Job Number: 97

DATE
December
10
2017

DST #2 **Formation: Fort Scott** **Test Interval: 7722 - 7770'** **Total Depth: 7770'**
Time On: 05:21 12/10 Time Off: 15:45 12/10
Time On Bottom: 09:15 12/10 Time Off Bottom: 10:35 12/10

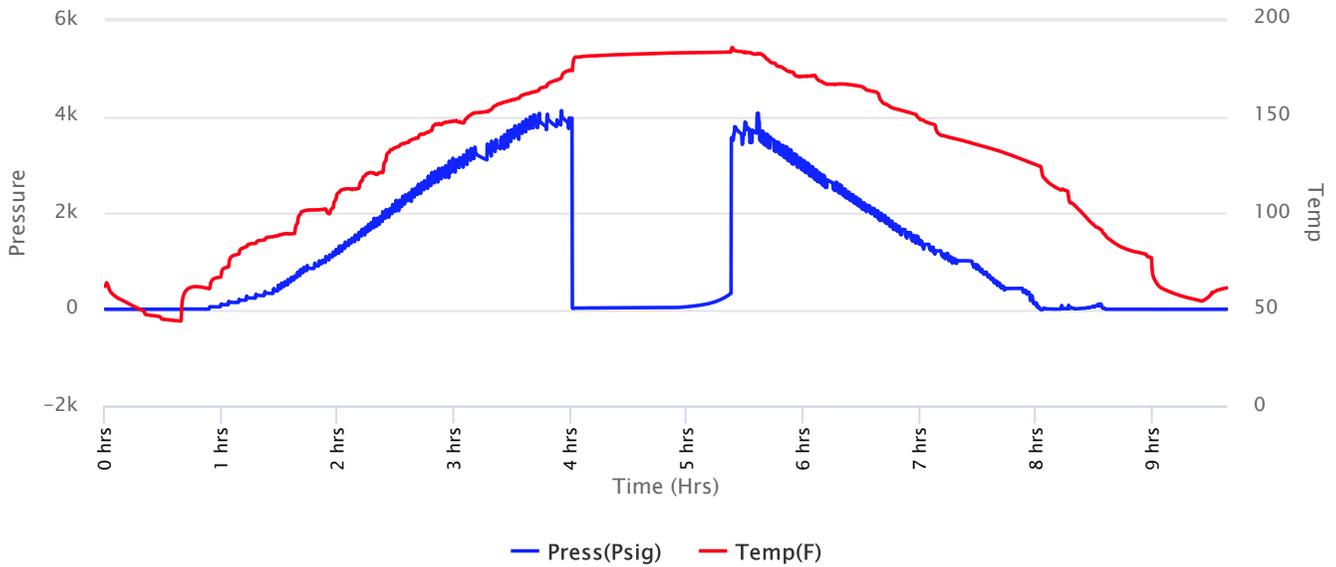
Electronic Volume
Estimate:
134'

1st Open
Minutes: 20
2.1" at 20 min

1st Close
Minutes: 15
0" at 15 min

2nd Open
N/A

2nd Close
N/A





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Time On: 05:21 12/10 Time Off: 15:45 12/10
Time On Bottom: 09:15 12/10 Time Off Bottom: 10:35 12/10

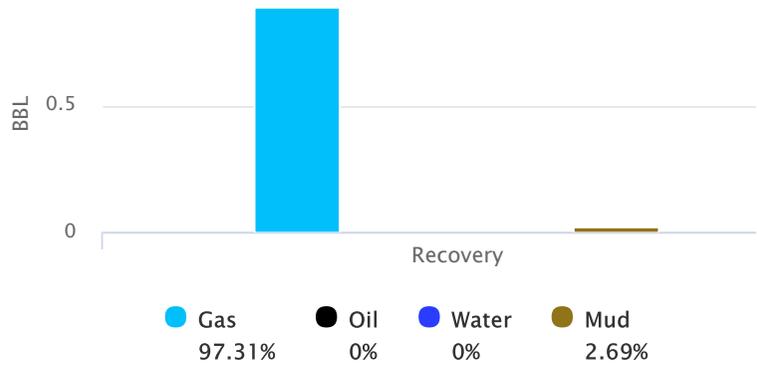
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
181	0.89052	G	100	0	0	0
5	0.0246	OSM	0	0	0	100

Total Recovered: 186 ft
Total Barrels Recovered: 0.91512

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	3784	PSI
Initial Flow	21 to 38	PSI
Initial Closed in Pressure	329	PSI
Final Flow Pressure	0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	3775	PSI
Temperature	184	°F
Pressure Change Initial Close / Final Close	0.0	%



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DATE December 10 2017
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DST #2	Formation: Fort Scott	Test Interval: 7722 - 7770'	Total Depth: 7770'
	Time On: 05:21 12/10	Time Off: 15:45 12/10	
	Time On Bottom: 09:15 12/10	Time Off Bottom: 10:35 12/10	

REMARKS:

1O. 1/4" Blow. Built to 2 inches in 30 mins
1C. NOBB

Pulled Test do to Risk of being Stuck and Turning Issues.

Tool Sample: 3% O 97 % M



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Elevation: 5541 GL
Field Name: Wildcat
Pool: Wildcat
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<p>DATE December 10 2017</p>
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DST #2 **Formation: Fort Scott** **Test Interval: 7722 - 7770'** **Total Depth: 7770'**

Time On: 05:21 12/10 Time Off: 15:45 12/10
Time On Bottom: 09:15 12/10 Time Off Bottom: 10:35 12/10

Down Hole Makeup

Heads Up: 13.7 FT	Packer 1: 7716.5 FT
Drill Pipe: 7145.19 FT <i>ID-3 1/2</i>	Packer 2: 7722 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 7705.42 FT
Collars: 556.94 FT <i>ID-2 1/4</i>	Bottom Recorder: 7760 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 48	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 11 FT <i>4 1/2-FH</i>	



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Pool: Wildcat
Job Number: 97

DATE December 10 2017
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DST #2	Formation: Fort Scott	Test Interval: 7722 - 7770'	Total Depth: 7770'
	Time On: 05:21 12/10	Time Off: 15:45 12/10	
	Time On Bottom: 09:15 12/10	Time Off Bottom: 10:35 12/10	

Mud Properties

Mud Type: Chem	Weight: 9.4	Viscosity: 71	Filtrate: .8	Chlorides: 720 ppm
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DATE December 10 2017
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DST #2 **Formation: Fort Scott** **Test Interval: 7722 - 7770'** **Total Depth: 7770'**

Time On: 05:21 12/10 Time Off: 15:45 12/10
Time On Bottom: 09:15 12/10 Time Off Bottom: 10:35 12/10

Gas Volume Report

1st Open

2nd Open

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

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



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SEC: 1 TWN: 9S RNG: 56W
County: LINCOLN
State: Colorado
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Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE
December
11
2017

DST #3 **Formation: Lower Ft. Scott** **Test Interval: 7764 - 7810'** **Total Depth: 7810'**
Time On: 09:15 12/11 Time Off: 21:08 12/11
Time On Bottom: 14:09 12/11 Time Off Bottom: 17:09 12/11

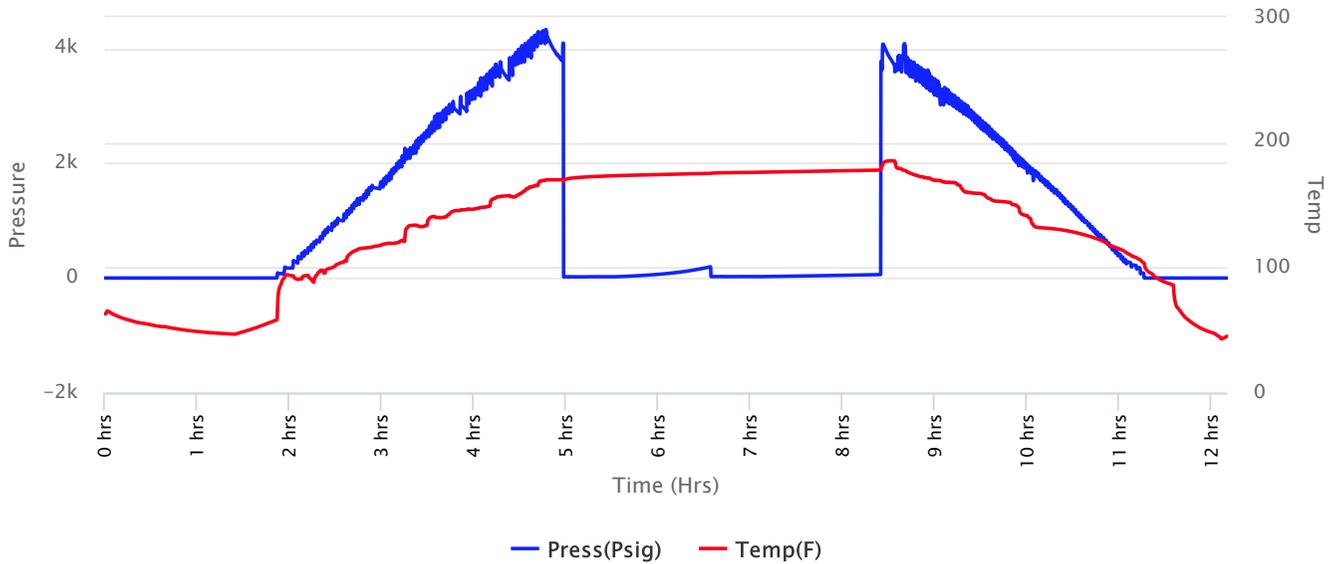
Electronic Volume Estimate:
32'

1st Open
Minutes: 30
.5" at 30 min

1st Close
Minutes: 60
0" at 60 min

2nd Open
Minutes: 30
0" at 30 min

2nd Close
Minutes: 60
0" at 60 min





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County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE
December
11
2017

DST #3 **Formation: Lower Ft. Scott** **Test Interval: 7764 - 7810'** **Total Depth: 7810'**
Time On: 09:15 12/11 Time Off: 21:08 12/11
Time On Bottom: 14:09 12/11 Time Off Bottom: 17:09 12/11

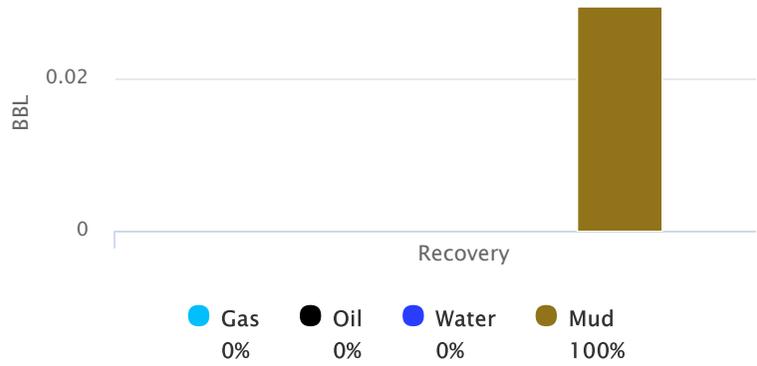
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
6	0.02952	M	0	0	0	100

Total Recovered: 6 ft
Total Barrels Recovered: 0.02952

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	3779	PSI
Initial Flow	19 to 22	PSI
Initial Closed in Pressure	196	PSI
Final Flow Pressure	25 to 24	PSI
Final Closed in Pressure	59	PSI
Final Hydrostatic Pressure	3774	PSI
Temperature	178	°F
Pressure Change Initial Close / Final Close	69.8	%



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County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE December 11 2017
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DST #3	Formation: Lower Ft. Scott	Test Interval: 7764 - 7810'	Total Depth: 7810'
	Time On: 09:15 12/11	Time Off: 21:08 12/11	
	Time On Bottom: 14:09 12/11	Time Off Bottom: 17:09 12/11	

REMARKS:

- 10. WSB Built to 1/4" Blow. Blow Died 20 mins in
- 1C. NOBB
- 20. NOBB
- 2C. NO Blow

Tool Sample: 100% M

Diesel in Bucket



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Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

<p>DATE December 11 2017</p>
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DST #3 **Formation: Lower Ft. Scott** **Test Interval: 7764 - 7810'** **Total Depth: 7810'**

Time On: 09:15 12/11 Time Off: 21:08 12/11
Time On Bottom: 14:09 12/11 Time Off Bottom: 17:09 12/11

Down Hole Makeup

Heads Up: 3.83 FT	Packer 1: 7758.5 FT
Drill Pipe: 7176.55 FT <i>ID-3 1/2</i>	Packer 2: 7764 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 7747.42 FT
Collars: 557.71 FT <i>ID-2 1/4</i>	Bottom Recorder: 7802 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 46	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 9 FT <i>4 1/2-FH</i>	



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Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE December 11 2017
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DST #3	Formation: Lower Ft. Scott	Test Interval: 7764 - 7810'	Total Depth: 7810'
	Time On: 09:15 12/11	Time Off: 21:08 12/11	
	Time On Bottom: 14:09 12/11	Time Off Bottom: 17:09 12/11	

Mud Properties

Mud Type: Chem	Weight: 9.4	Viscosity: 71	Filtrate: .8	Chlorides: 720 ppm
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Company, Inc
Lease: Dauntless #15-1**

SEC: 1 TWN: 9S RNG: 56W
County: LINCOLN
State: Colorado
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Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE
December
12
2017

DST #4 **Formation: Breezy Hill Lime** **Test Interval: 7828 - 7860'** **Total Depth: 7860'**
Time On: 10:55 12/12 Time Off: 19:53 12/12
Time On Bottom: 15:00 12/12 Time Off Bottom: 15:45 12/12

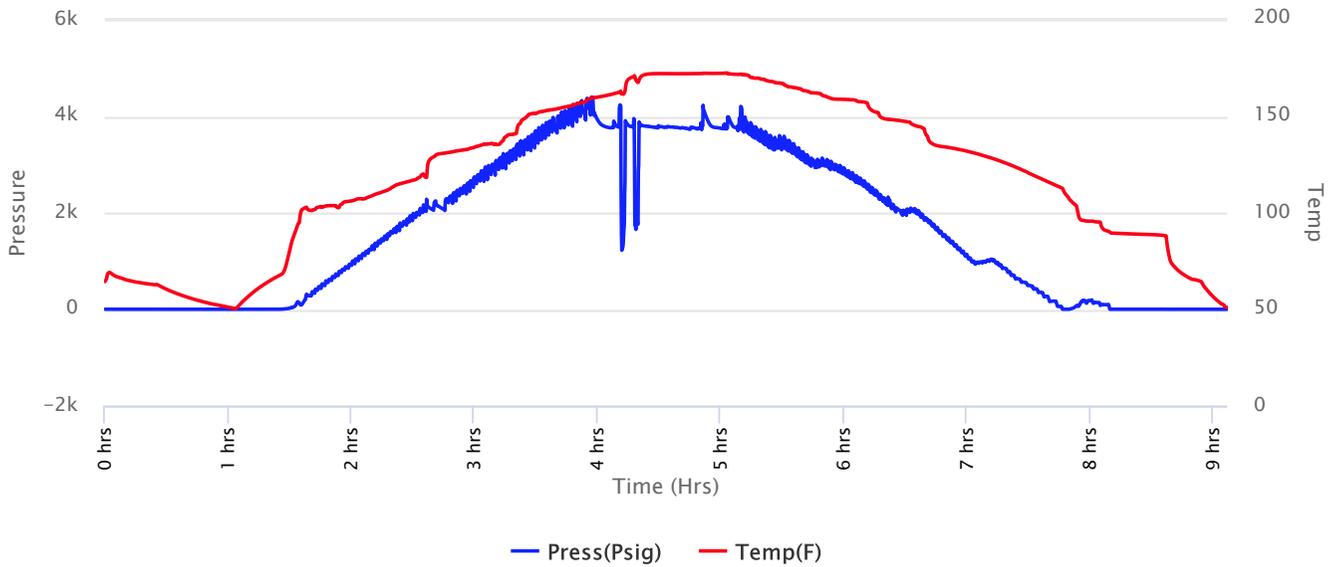
Electronic Volume Estimate:
0'

1st Open
N/A

1st Close
N/A

2nd Open
N/A

2nd Close
N/A





Company: Murfin Drilling Company, Inc
Lease: Dauntless #15-1

SEC: 1 TWN: 9S RNG: 56W
 County: LINCOLN
 State: Colorado
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 25
 Elevation: 5541 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 97

DATE
 December
12
 2017

DST #4 **Formation: Breezy Hill Lime** **Test Interval: 7828 - 7860'** **Total Depth: 7860'**
 Time On: 10:55 12/12 Time Off: 19:53 12/12
 Time On Bottom: 15:00 12/12 Time Off Bottom: 15:45 12/12

Recovered

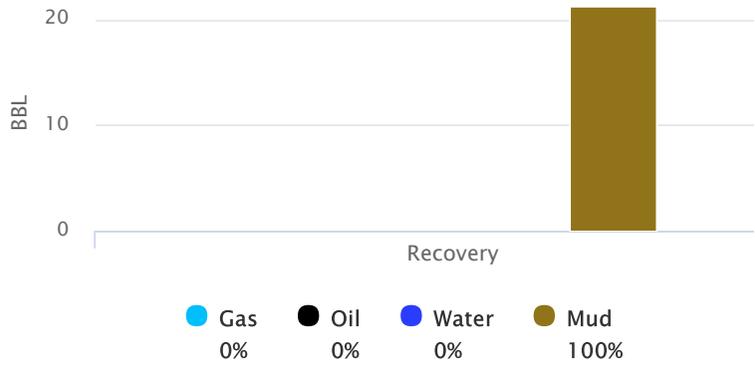
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1860	21.2755199	M	0	0	0	100

Total Recovered: 1860 ft
 Total Barrels Recovered: 21.2755199

Reversed Out
 NO

Initial Hydrostatic Pressure	3761	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	3742	PSI
Temperature	173	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





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Company, Inc
Lease: Dauntless #15-1**

SEC: 1 TWN: 9S RNG: 56W
County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE December 12 2017
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DST #4	Formation: Breezy Hill Lime	Test Interval: 7828 - 7860'	Total Depth: 7860'
	Time On: 10:55 12/12	Time Off: 19:53 12/12	
	Time On Bottom: 15:00 12/12	Time Off Bottom: 15:45 12/12	

REMARKS:

MISS RUN:

Packer Failure or fracture in formation.

Tool Sample: 100 % M



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Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

<p>DATE December 12 2017</p>
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DST #4 **Formation: Breezy Hill Lime** **Test Interval: 7828 - 7860'** **Total Depth: 7860'**

Time On: 10:55 12/12 Time Off: 19:53 12/12
Time On Bottom: 15:00 12/12 Time Off Bottom: 15:45 12/12

Down Hole Makeup

Heads Up: 3.69 FT	Packer 1: 7822.5 FT
Drill Pipe: 7240.41 FT <i>ID-3 1/2</i>	Packer 2: 7828 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 7811.42 FT
Collars: 557.71 FT <i>ID-2 1/4</i>	Bottom Recorder: 7833 FT
Test Tool: 34.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 32	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 28 FT <i>4 1/2-FH</i>	



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Lease: Dauntless #15-1**

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Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE December 12 2017
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DST #4	Formation: Breezy Hill Lime	Test Interval: 7828 - 7860'	Total Depth: 7860'
	Time On: 10:55 12/12	Time Off: 19:53 12/12	
	Time On Bottom: 15:00 12/12	Time Off Bottom: 15:45 12/12	

Mud Properties

Mud Type: Chem	Weight: 9.7	Viscosity: 70	Filtrate: .8	Chlorides: 720 ppm
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Lease: Dauntless #15-1**

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County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE December 12 2017
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DST #4 **Formation: Breezy Hill Lime** **Test Interval: 7828 - 7860'** **Total Depth: 7860'**

Time On: 10:55 12/12 Time Off: 19:53 12/12
Time On Bottom: 15:00 12/12 Time Off Bottom: 15:45 12/12

Gas Volume Report

1st Open

2nd Open

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



**Company: Murfin Drilling
Company, Inc**
Lease: Dauntless #15-1

SEC: 1 TWN: 9S RNG: 56W
County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE
December
13
2017

DST #5 **Formation: Breezy Hill- Celia** **Test Interval: 7800 - 7910'** **Total Depth: 7910'**
Time On: 10:28 12/13 Time Off: 21:18 12/13
Time On Bottom: 15:15 12/13 Time Off Bottom: 16:00 12/13

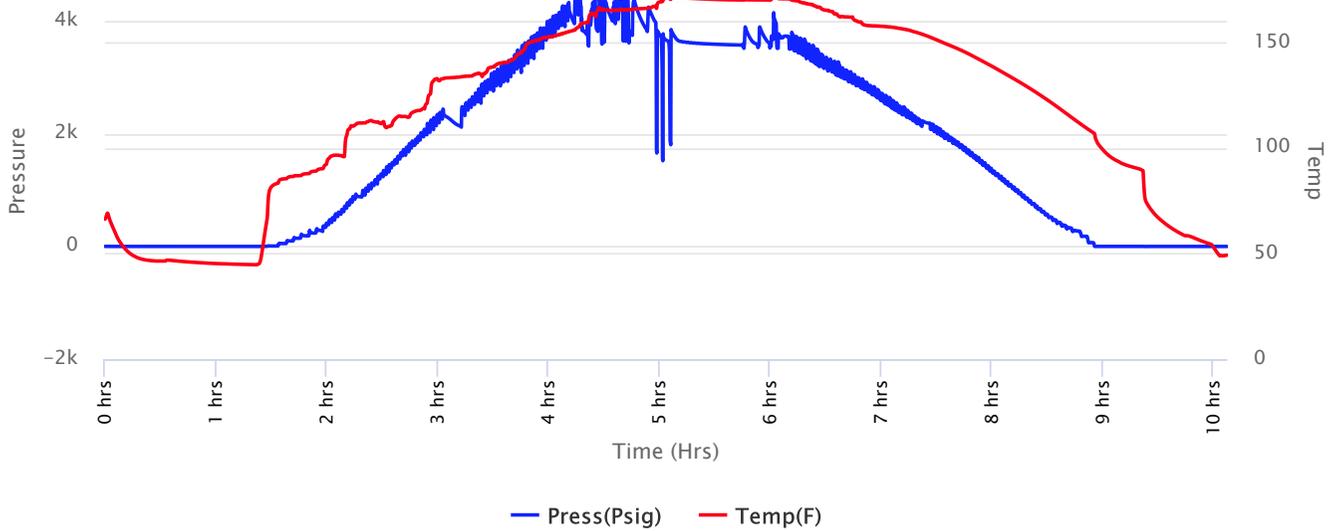
Electronic Volume Estimate:
0'

1st Open
N/A

1st Close
N/A

2nd Open
N/A

2nd Close
N/A





Company: Murfin Drilling Company, Inc
Lease: Dauntless #15-1

SEC: 1 TWN: 9S RNG: 56W
 County: LINCOLN
 State: Colorado
 Drilling Contractor: Murfin Drilling Company, Inc - Rig 25
 Elevation: 5541 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 97

DATE
 December
13
 2017

DST #5 **Formation: Breezy Hill- Celia** **Test Interval: 7800 - 7910'** **Total Depth: 7910'**
 Time On: 10:28 12/13 Time Off: 21:18 12/13
 Time On Bottom: 15:15 12/13 Time Off Bottom: 16:00 12/13

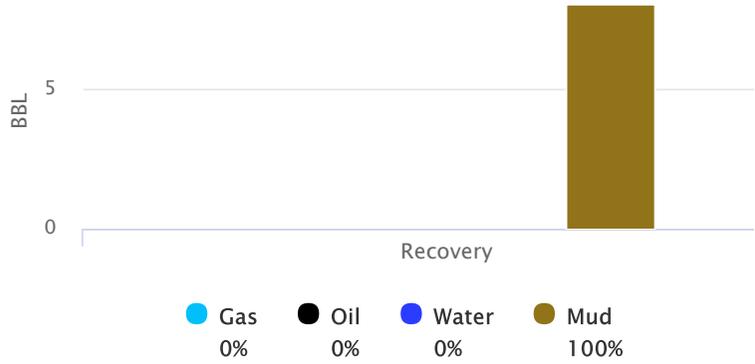
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
930	8.0416199	M	0	0	0	100

Total Recovered: 930 ft
 Total Barrels Recovered: 8.0416199

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	3811	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	3848	PSI
Temperature	171	°F
Pressure Change Initial Close / Final Close	0.0	%



**Company: Murfin Drilling
Company, Inc
Lease: Dauntless #15-1**

SEC: 1 TWN: 9S RNG: 56W
County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 25
Elevation: 5541 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 97

DATE December 13 2017
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REMARKS:

MISS RUN!!!!

Possible Packer Failure/ 50 ft of Sticky Hole

Ran into Same situation as DST 1, Weight wasn't being transferring to tool. Upon Second attempt we add more more weight to tool to get weight to packer but failed.



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Down Hole Makeup

Heads Up: 31.26 FT	Packer 1: 7793.57 FT
Drill Pipe: 7239.05 FT <i>ID-3 1/2</i>	Packer 2: 7800.07 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 7782.49 FT
Collars: 557.71 FT <i>ID-2 1/4</i>	Bottom Recorder: 7870 FT
Test Tool: 35.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 109.93	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.43 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 41 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem	Weight: 9.5	Viscosity: 68	Filtrate: .8	Chlorides: 720 ppm
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Gas Volume Report

1st Open

2nd Open

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