



**Company: Edison Operating Company, LLC**  
**Lease: Allender #1-26**

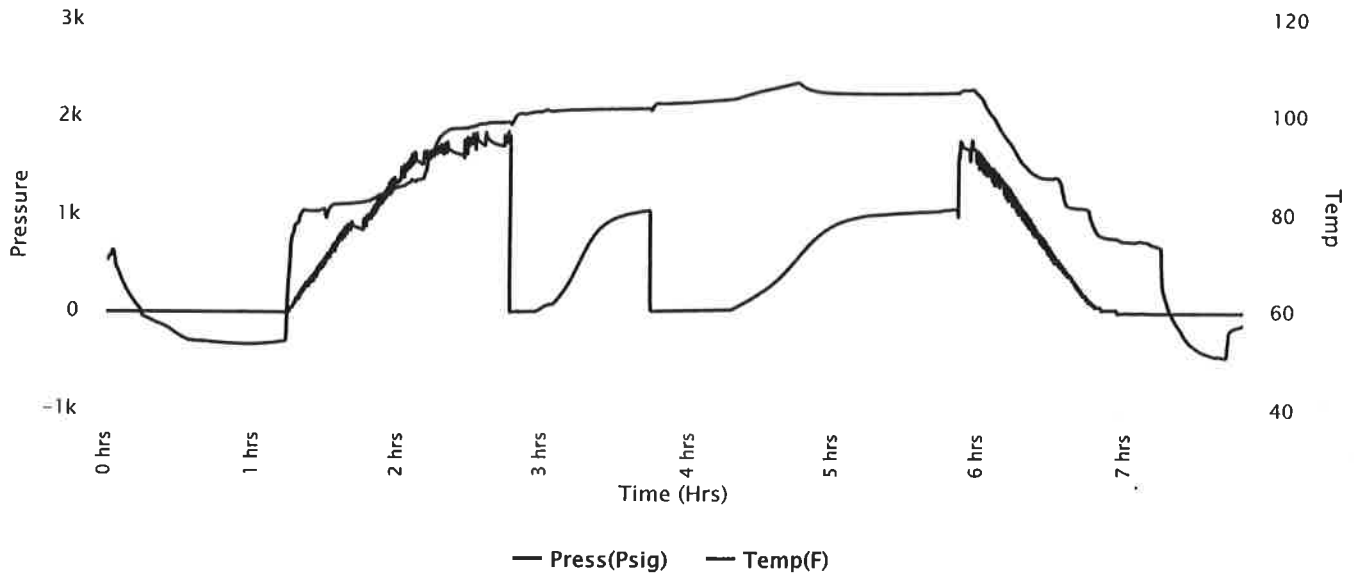
SEC: 26 TWN: 24S RNG: 13W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1912 GL  
 Field Name: St John  
 Pool: Pool Ext  
 Job Number: 83

**DATE**  
 November  
**11**  
 2017

**DST #1**      **Formation: Lans "B-D"**      **Test Interval: 3562 - 3622'**      **Total Depth: 3622'**  
 Time On: 10:36 11/11      Time Off: 18:12 11/11  
 Time On Bottom: 13:18 11/11      Time Off Bottom: 16:13 11/11

Electronic Volume Estimate:  
 966'

<u>1st Open</u> Minutes: 10 13" at 10 min	1st Close Minutes: 45 4.1" at 45 min	<u>2nd Open</u> Minutes: 30 87.2" at 30 min	2nd Close Minutes: 90 4" at 90 min
---	--	---	--





**Company: Edison Operating Company, LLC**  
**Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1912 GL  
 Field Name: St John  
 Pool: Pool Ext  
 Job Number: 83

**DATE**  
 November  
**11**  
 2017

**DST #1**      **Formation: Lans "B-D"**      **Test Interval: 3562 - 3622'**      **Total Depth: 3622'**  
 Time On: 10:36 11/11      Time Off: 18:12 11/11  
 Time On Bottom: 13:18 11/11      Time Off Bottom: 16:13 11/11

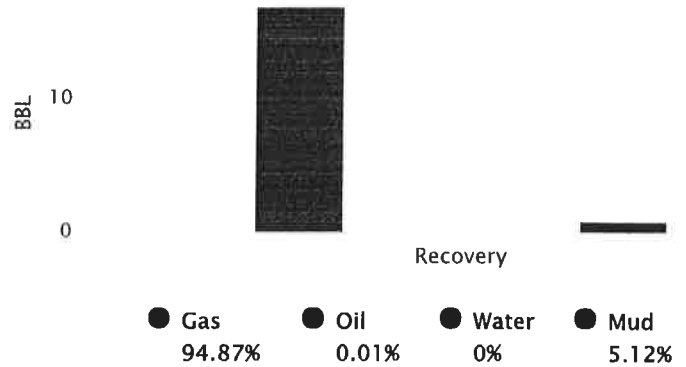
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1192	16.96216	G	100	0	0	0
68	0.96764	SLGCM (trace oil)	5	.1	0	94.9

Total Recovered: 1260 ft  
 Total Barrels Recovered: 17.9298

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1719	PSI
Initial Flow	14 to 20	PSI
<b>Initial Closed in Pressure</b>	<b>1061</b>	<b>PSI</b>
Final Flow Pressure	29 to 46	PSI
<b>Final Closed in Pressure</b>	<b>1075</b>	<b>PSI</b>
Final Hydrostatic Pressure	1722	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	0.0	%



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<b>DATE</b> November <b>11</b> 2017
--

<b>DST #1</b>	<b>Formation: Lans "B- D"</b>	<b>Test Interval: 3562 - 3622'</b>	<b>Total Depth: 3622'</b>
	Time On: 10:36 11/11	Time Off: 18:12 11/11	
	Time On Bottom: 13:18 11/11	Time Off Bottom: 16:13 11/11	

**REMARKS:**

Initial Flow: Weak, surface blow. BOB in 10 mins.  
Initial Shut-in: 4 in. blow back.  
Final Flow: BOB blow immediately.  
Final Shut-in: 4 in. blow back.

Tool Sample: 50% oil, 3% water, 47% mud



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<p><b>DATE</b> November <b>11</b> 2017</p>
--

**DST #1**      **Formation: Lans "B-D"**      **Test Interval: 3562 - 3622'**      **Total Depth: 3622'**

Time On: 10:36 11/11      Time Off: 18:12 11/11  
Time On Bottom: 13:18 11/11      Time Off Bottom: 16:13 11/11

**Down Hole Makeup**

<b>Heads Up:</b> 21.27 FT	<b>Packer 1:</b> 3556.85 FT
<b>Drill Pipe:</b> 3550.55 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3561.85 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3546.27 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3600 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 60.15	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.15 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 23 FT <i>4 1/2-FH</i>	



**Company: Edison Operating  
Company, LLC**

**Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<b>DATE</b> November <b>11</b> 2017
--

<b>DST #1</b>	<b>Formation: Lans "B- D"</b>	<b>Test Interval: 3562 - 3622'</b>	<b>Total Depth: 3622'</b>
	Time On: 10:36 11/11	Time Off: 18:12 11/11	
	Time On Bottom: 13:18 11/11	Time Off Bottom: 16:13 11/11	

**Mud Properties**

<b>Mud Type: Chemical</b>	<b>Weight: 9.2</b>	<b>Viscosity: 68</b>	<b>Filtrate: 8</b>	<b>Chlorides: 7,100 ppm</b>
---------------------------	--------------------	----------------------	--------------------	-----------------------------



# Company: Edison Operating Company, LLC

## Lease: Allender #1-26

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

**DATE**  
November  
**12**  
2017

DST #2    Formation: Lans "F"    Test Interval: 3616 - 3634'    Total Depth: 3634'

Time On: 00:28 11/12    Time Off: 07:52 11/12  
Time On Bottom: 02:08 11/12    Time Off Bottom: 05:03 11/12

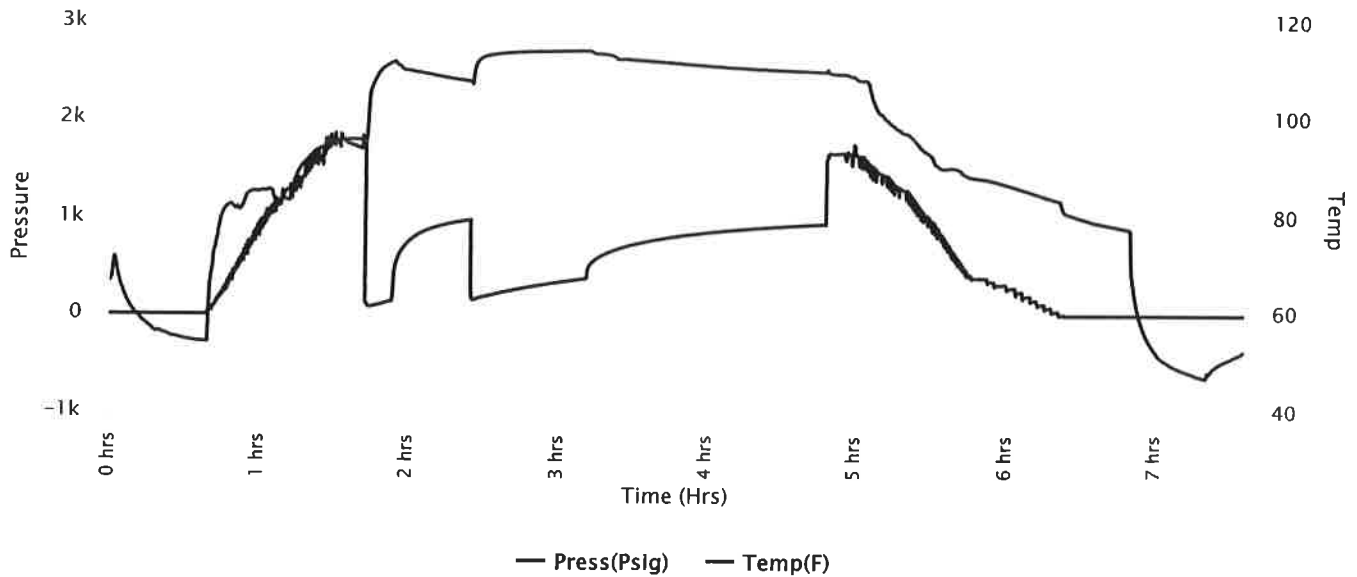
Electronic Volume Estimate:  
N/A

1st Open  
Minutes: 10  
293" at 10 min

1st Close  
Minutes: 30  
56.5" at 30 min

2nd Open  
Minutes: 45  
GTS" at 45 min

2nd Close  
Minutes: 90  
GTS" at 90 min





**Company: Edison Operating Company, LLC**  
**Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1912 GL  
 Field Name: St John  
 Pool: Pool Ext  
 Job Number: 83

**DATE**  
 November  
**12**  
 2017

**DST #2 Formation: Lans "F" Test Interval: 3616 - 3634' Total Depth: 3634'**

Time On: 00:28 11/12 Time Off: 07:52 11/12  
 Time On Bottom: 02:08 11/12 Time Off Bottom: 05:03 11/12

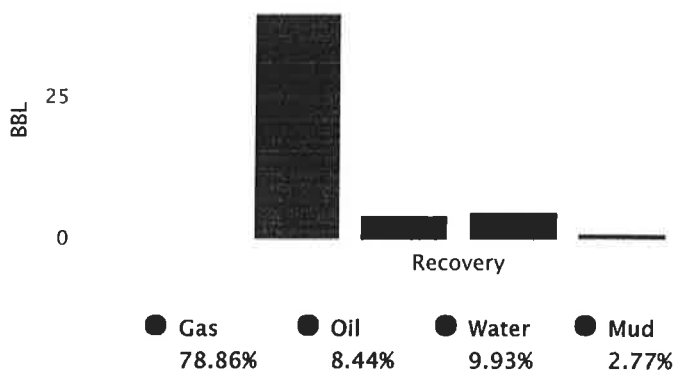
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2828	40.24244	G	100	0	0	0
32	0.45536	SLGCOCM	15	20	0	65
378	5.37894	SLGCSLMCO	5	79	0	16
378	5.37894	SLMCW	0	0	95	5

Total Recovered: 3616 ft  
 Total Barrels Recovered: 51.45568

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1712	PSI
Initial Flow	88 to 147	PSI
<b>Initial Closed in Pressure</b>	<b>980</b>	<b>PSI</b>
Final Flow Pressure	163 to 380	PSI
<b>Final Closed in Pressure</b>	<b>940</b>	<b>PSI</b>
Final Hydrostatic Pressure	1673	PSI
Temperature	115	°F
Pressure Change Initial Close / Final Close	4.1	%



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<b>DATE</b> November <b>12</b> 2017
--

**DST #2      Formation: Lans "F"      Test Interval: 3616 -      Total Depth: 3634'**  
**3634'**

Time On: 00:28 11/12      Time Off: 07:52 11/12  
Time On Bottom: 02:08 11/12      Time Off Bottom: 05:03 11/12

**REMARKS:**

Initial Flow: 1 in. blow. BOB in 45 secs.  
Initial Shut-in: BBBB.  
Final Flow: BOB immediately. GTS in 45 mins.  
Final Shut-in: BBBB.

Tool Sample: 70% oil, 30% water

Ph: 7

RW: .1 @ 49 degrees F

Chlorides: 100,000 ppm





**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rlg 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<p><b>DATE</b> November <b>12</b> 2017</p>
--

**DST #2**    **Formation: Lans "F"**    **Test Interval: 3616 - 3634'**    **Total Depth: 3634'**  
 Time On: 00:28 11/12    Time Off: 07:52 11/12  
 Time On Bottom: 02:08 11/12    Time Off Bottom: 05:03 11/12

**Down Hole Makeup**

<b>Heads Up:</b> 32.84 FT	<b>Packer 1:</b> 3611 FT
<b>Drill Pipe:</b> 3616.27 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3616 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3600.42 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3621 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 18	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 14 FT <i>4 1/2-FH</i>	



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

**DATE**  
November  
**12**  
2017

**DST #2      Formation: Lans "F"      Test Interval: 3616 -      Total Depth: 3634'**  
**3634'**

Time On: 00:28 11/12      Time Off: 07:52 11/12  
Time On Bottom: 02:08 11/12      Time Off Bottom: 05:03 11/12

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.2      **Viscosity:** 68      **Filtrate:** 8      **Chlorides:** 7,100 ppm



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 28 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<b>DATE</b>
November
<b>12</b>
2017

**DST #2    Formation: Lans "F"    Test Interval: 3616 -    Total Depth: 3634'**  
**3634'**  
 Time On: 00:28 11/12    Time Off: 07:52 11/12  
 Time On Bottom: 02:08 11/12    Time Off Bottom: 05:03 11/12

**Gas Volume Report**

1st Open

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

2nd Open

Time	Orifice	PSI	MCF/D
45	0.0625	Too weak to measure	Weak

MCF/D



**Company: Edison Operating Company, LLC**  
**Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1912 GL  
 Field Name: St John  
 Pool: Pool Ext  
 Job Number: 83

**DATE**  
 November  
**14**  
 2017

**DST #3 Formation: Arbuckle Test Interval: 4022 - 4097' Total Depth: 4097'**  
 Time On: 02:48 11/14 Time Off: 12:04 11/14  
 Time On Bottom: 04:47 11/14 Time Off Bottom: 07:42 11/14

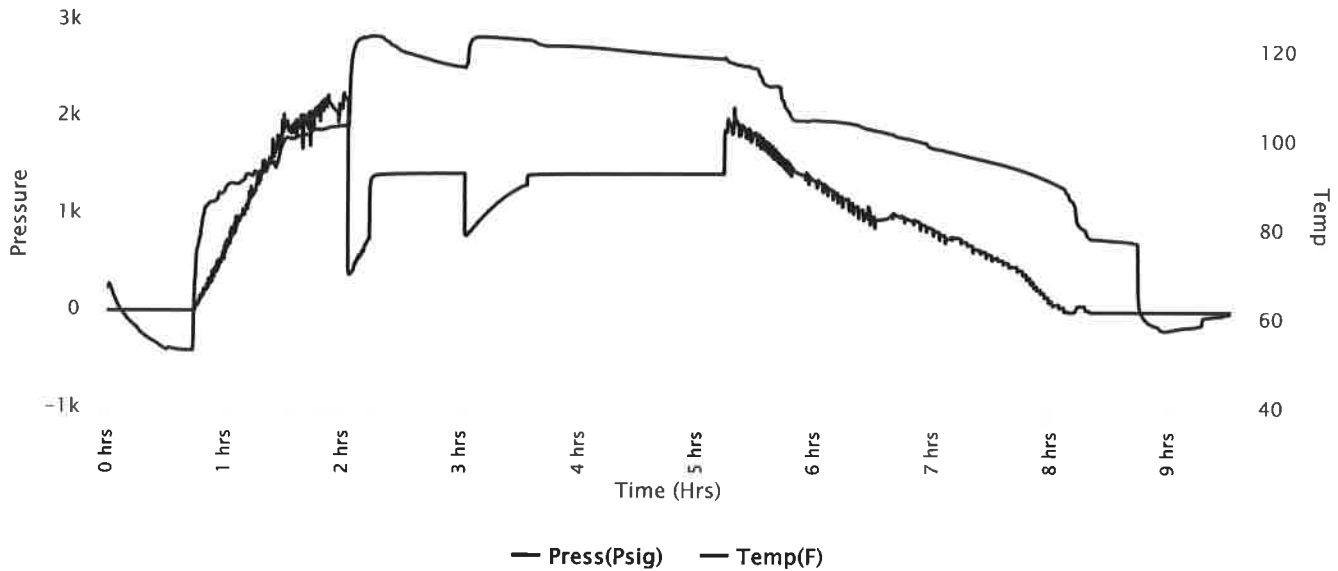
Electronic Volume Estimate:  
 3997'

1st Open  
 Minutes: 10  
 189.5" at 10 min

1st Close  
 Minutes: 45  
 3.7" at 45 min

2nd Open  
 Minutes: 30  
 390" at 30 min

2nd Close  
 Minutes: 90  
 0" at 90 min





**Company: Edison Operating Company, LLC**  
**Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 9  
 Elevation: 1912 GL  
 Field Name: St John  
 Pool: Pool Ext  
 Job Number: 83

**DATE**  
 November  
**14**  
 2017

**DST #3 Formation: Arbuckle Test Interval: 4022 - 4097' Total Depth: 4097'**  
 Time On: 02:48 11/14 Time Off: 12:04 11/14  
 Time On Bottom: 04:47 11/14 Time Off Bottom: 07:42 11/14

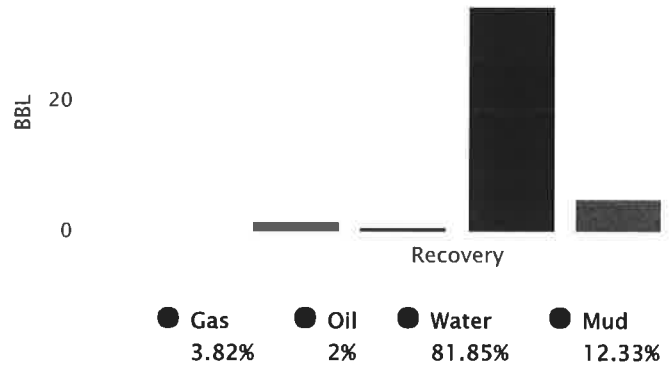
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1612	22.93876	SLOCSLGCSLMCW	3	2	80	15
1323	18.82629	SLOCSLGCSLMCW	5	2	88	5
63	0.89649	SLOCM	0	2	0	98

Total Recovered: 2998 ft  
 Total Barrels Recovered: 42.66154

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	2047	PSI
Initial Flow	377 to 748	PSI
<b>Initial Closed in Pressure</b>	<b>1425</b>	<b>PSI</b>
Final Flow Pressure	799 to 1307	PSI
<b>Final Closed in Pressure</b>	<b>1430</b>	<b>PSI</b>
Final Hydrostatic Pressure	1994	PSI
Temperature	124	°F
Pressure Change Initial Close / Final Close	0.0	%



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<b>DATE</b> November <b>14</b> 2017
--

**DST #3      Formation: Arbuckle      Test Interval: 4022 - 4097'      Total Depth: 4097'**

Time On: 02:48 11/14      Time Off: 12:04 11/14  
Time On Bottom: 04:47 11/14      Time Off Bottom: 07:42 11/14

**REMARKS:**

Initial Flow: 2 in. blow. BOB in 1 min.  
Initial Shut-in: 3 3/4 in. blow back.  
Final Flow: 3 in. blow. BOB in 45 secs.  
Final Shut-in: No blow back.

Tool Sample: 5% oil, 85% water, 10% mud

Ph: 7

RW: .25 @ 55 degrees F

Chlorides: 30,000 ppm



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

<p><b>DATE</b> November <b>14</b> 2017</p>
--

**DST #3      Formation: Arbuckle      Test Interval: 4022 - 4097'      Total Depth: 4097'**

Time On: 02:48 11/14      Time Off: 12:04 11/14  
Time On Bottom: 04:47 11/14      Time Off Bottom: 07:42 11/14

**Down Hole Makeup**

<b>Heads Up:</b> 7.37 FT	<b>Packer 1:</b> 4016.72 FT
<b>Drill Pipe:</b> 3996.52 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4021.72 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4006.14 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4090 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
	<b>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"

**Total Anchor:** 75.28

**Anchor Makeup**

**Packer Sub:** 1 FT

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

**Change Over:** 1 FT

**Drill Pipe: (in anchor):** 62.28 FT  
*ID-3 1/2*

**Change Over:** 1 FT

**Perforations: (below):** 8 FT  
*4 1/2-FH*



**Company: Edison Operating  
Company, LLC  
Lease: Allender #1-26**

SEC: 26 TWN: 24S RNG: 13W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 9  
Elevation: 1912 GL  
Field Name: St John  
Pool: Pool Ext  
Job Number: 83

**DATE**  
November  
**14**  
2017

**DST #3    Formation: Arbuckle    Test Interval: 4022 - 4097'    Total Depth: 4097'**

Time On: 02:48 11/14    Time Off: 12:04 11/14  
Time On Bottom: 04:47 11/14    Time Off Bottom: 07:42 11/14

**Mud Properties**

**Mud Type:** Chemical    **Weight:** 9.2    **Viscosity:** 46    **Filtrate:** 11.6    **Chlorides:** 9,000 ppm