

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**27**  
 2018

**DST #2**      **Formation: Lans H**      **Test Interval: 3838 - 3854'**      **Total Depth: 3854'**  
 Time On: 17:12 04/27      Time Off: 02:43 04/28  
 Time On Bottom: 19:56 04/27      Time Off Bottom: 22:56 04/27

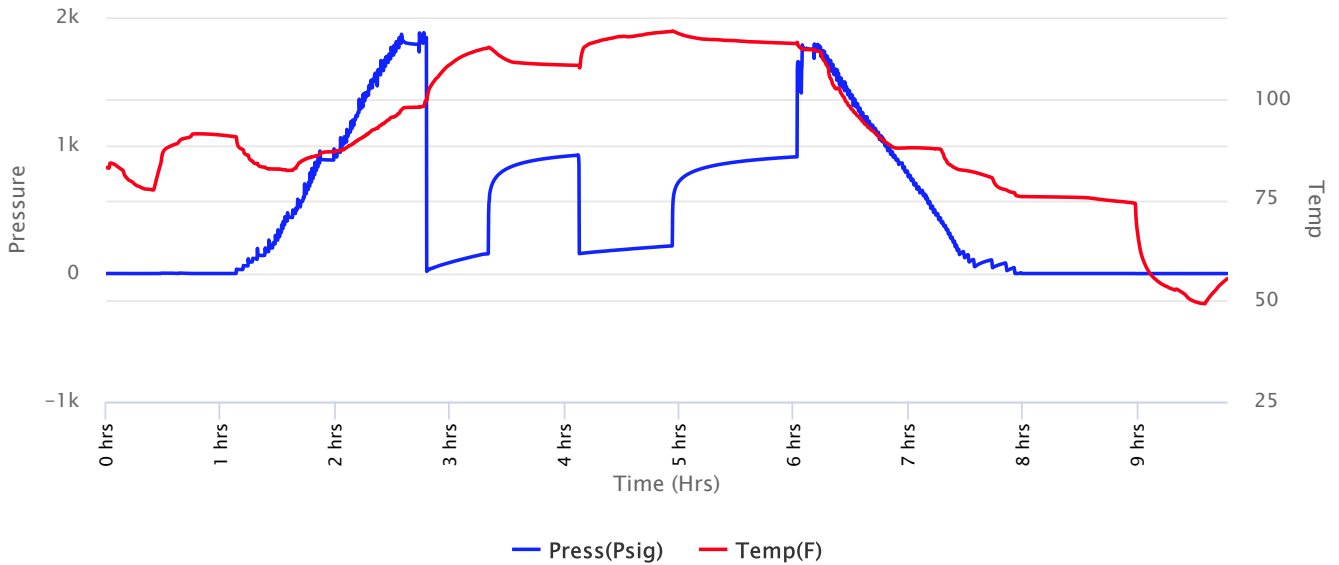
Electronic Volume  
 Estimate:  
 450'

1st Open  
 Minutes: 30  
 11.3" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 16.6" at 45 min

2nd Close  
 Minutes: 60  
 2.1" at 60 min





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Recovered

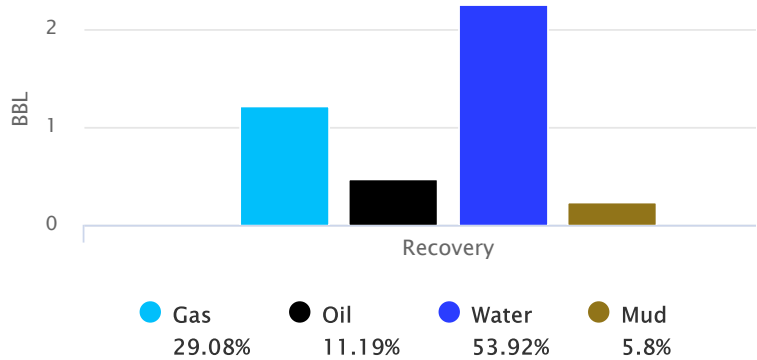
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
93	1.00812	G	100	0	0	0
31	0.33604	O	0	100	0	0
62	0.67208	SLOCSLGCMCW	15	10	55	20
367	2.1696016	SLOCSLGCMLCW	5	3	87	5

Total Recovered: 553 ft  
 Total Barrels Recovered: 4.1858416

Reversed Out  
 NO

Initial Hydrostatic Pressure	1789	PSI
Initial Flow	44 to 154	PSI
<b>Initial Closed in Pressure</b>	<b>925</b>	<b>PSI</b>
Final Flow Pressure	156 to 217	PSI
<b>Final Closed in Pressure</b>	<b>911</b>	<b>PSI</b>
Final Hydrostatic Pressure	1786	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	1.5	%

**Recovery at a glance**





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**REMARKS:**

1O. 1/4" Blow. Built to 11 1/4 inch in 30 mins

1C. No Blow Back

2O. 1/2" Blow. BOB in 32 1/4 mins.

2C. 2 1/4" inch Blow Back

Tool Sample: 5% G 90% O 5% W

Gravity: 34 @ 60 degrees F

Ph: 7

RW: .34 @ 48 degrees F

Chlorides: 60,000 ppm



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**Down Hole Makeup**

<b>Heads Up:</b> 17.87 FT	<b>Packer 1:</b> 3833 FT
<b>Drill Pipe:</b> 3517.78 FT <i>ID-3</i>	<b>Packer 2:</b> 3838 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3822.42 FT
<b>Collars:</b> 305.52 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3842 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> 16	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 2 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 13 FT <i>4 1/2-FH</i>	



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Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
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<p><b>DATE</b> April <b>27</b> 2018</p>
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**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.7      **Viscosity:** 50      **Filtrate:** 8.8      **Chlorides:** 8800 ppm





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Time On: 17:12 04/27      Time Off: 02:43 04/28  
 Time On Bottom: 19:56 04/27      Time Off Bottom: 22:56 04/27

**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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# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>COATS ENERGY, INC.</i>	Lease No.	Date <i>4-23-2018</i>
Lease <i>TANNER</i>	Well # <i>1</i>	
Field Order # <i>110300</i>	Station <i>PRATT, Ks.</i>	Casing <i>8 5/8"</i>
Type Job <i>8 5/8" S.P.</i>	Formation	Depth <i>TD 395'</i>
		County <i>STAFFORD</i>
		State <i>Ks</i>
		Legal Description <i>23-255-14W</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8"</i>	<i>5 7/8"</i>	<i>PMT-</i>		<i>175SK A-CON</i>			Max 5 Min.	
Depth <i>380.79'</i>	Depth	From	To	<i>Pre-Pad @ 2.47CUFT<sup>3</sup></i>	Max			
Volume <i>4.37BBL</i>	Volume	From	To	<i>Pad</i>	Min		10 Min.	
Max Press <i>300</i>	Max Press	From	To	<i>Frac @ 1.30 CUFT<sup>3</sup></i>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>360'</i>	Packer Depth	From	To	Flush <i>23 BBL</i>	Gas Volume		Total Load	

Customer Representative <i>CASEY COATS</i>				Station Manager <i>J.W.</i>				Treater <i>K. LESLEY</i>			
Service Units <i>86531 27463 19959 19918</i>		Driver Names <i>LESLEY HANSON NATAL</i>									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>3:30pm</i>					<i>ON LOCATION - SAFETY MEETING</i>
<i>4:00pm</i>					<i>RUN 9 STS. 8 5/8" X 23" CSA.</i>
<i>4:10pm</i>					<i>CENTRALIZER - B</i>
<i>5:30pm</i>					<i>CSG. ON BOTTOM</i>
<i>5:40pm</i>					<i>HOOK UP TO CSG. / BREAK CIRC. W/RIG</i>
<i>5:57pm</i>	<i>200</i>		<i>5</i>	<i>6</i>	<i>H2O HEAD</i>
<i>6:00pm</i>	<i>210</i>		<i>77</i>	<i>6</i>	<i>MIX 175SKS A-CON @ 12 PPG</i>
<i>6:13pm</i>	<i>150</i>		<i>38</i>	<i>6</i>	<i>MIX 175SKS COMMON @ 15.6 PPG</i>
<i>6:19pm</i>					<i>SHUT DOWN - DROP PLUG (WOODEN)</i>
<i>6:25pm</i>	<i>0</i>		<i>0</i>	<i>5</i>	<i>START DISPLACEMENT</i>
<i>6:27pm</i>	<i>275</i>		<i>17</i>	<i>3</i>	<i>SLOW RATE</i>
<i>6:30pm</i>	<i>300</i>		<i>23</i>	<i>2</i>	<i>CMT + PLUG @ DESIRED DEPTH</i>
					<i>CIRC. THRU JOB</i>
					<i>CIRC. 15 BBL TO PIT</i>
					<i>JOB COMPLETE,</i>
					<i>THANKS -</i>
					<i>KEVIN LESLEY</i>

Customer <i>COATS ENERGY, INC.</i>	Lease No.	Date <i>4-23-2018</i>
Lease <i>TANNER</i>	Well # <i>1</i>	
Field Order # <i>110300</i>	Station <i>PRATT, KS.</i>	Casing <i>8 5/8"</i>
Type Job <i>8 5/8" S.P.</i>	Formation	Depth <i>TD 395'</i>
		County <i>STAFFORD</i>
		State <i>KS</i>
		Legal Description <i>23-255-14W</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8"</i>			<i>CMT-</i>	<i>175SK A-CON</i>			Max	5 Min.
Depth <i>380.79'</i>	Depth	From	To	<i>Pre-Pad @ 2.47 CUFT</i>	Min		10 Min.	
Volume <i>4.37 BBL</i>	Volume	From	To	<i>Pad 175SK COMMON</i>	Avg		15 Min.	
Max Press <i>300</i>	Max Press	From	To	<i>Frac @ 1.30 CUFT</i>	HHP Used		Annulus Pressure	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		Gas Volume		Total Load	
Plug Depth <i>360'</i>	Packer Depth	From	To	Flush <i>23 BBL</i>				

Customer Representative <i>CASEY COATS</i>	Station Manager <i>J.W.</i>	Treater <i>K. LESLEY</i>
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Service Units <i>86531 27463 19959 19918</i>									
Driver Names <i>LESLEY HANSON NATAL</i>									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>3:30 PM</i>					<i>ON LOCATION - SAFETY MEETING</i>
<i>4:00 PM</i>					<i>RUN 9 JTS. 8 5/8" x 23" CSG.</i>
<i>4:40 PM</i>					<i>CENTRALIZER - B</i>
<i>5:30 PM</i>					<i>CSG. ON BOTTOM</i>
<i>5:40 PM</i>					<i>HOOK UP TO CSG. / BREAK CIRC. W/ RIG</i>
<i>5:57 PM</i>	<i>200</i>		<i>5</i>	<i>6</i>	<i>H2O HEAD</i>
<i>6:11 PM</i>	<i>210</i>		<i>77</i>	<i>6</i>	<i>MIX 175SKS A-CON @ 12 PPG</i>
<i>6:13 PM</i>	<i>150</i>		<i>38</i>	<i>6</i>	<i>MIX 175SKS COMMON @ 15.6 PPG</i>
<i>6:19 PM</i>					<i>SHUT DOWN - DROP PLUG (WOODEN)</i>
<i>6:25 PM</i>	<i>0</i>		<i>0</i>	<i>5</i>	<i>START DISPLACEMENT</i>
<i>6:27 PM</i>	<i>275</i>		<i>17</i>	<i>3</i>	<i>SLOW RATE</i>
<i>6:30 PM</i>	<i>300</i>		<i>23</i>	<i>2</i>	<i>CMT + PLUG @ DESIRED DEPTH</i>
					<i>CIRC. THRU JOB</i>
					<i>CIRC. 15 BBL TO PIT</i>

*JOB COMPLETE,  
THANKS -  
KEVIN LESLEY*

Customer <i>Coats Energy</i>	Lease No.	Date <i>4-30-18</i>
Lease <i>Tanner</i>	Well # <i>1</i>	
Field Order # <i>16455</i>	Station <i>Pratt 1CS</i>	Casing <i>8 5/8</i>
Type Job	Depth	County <i>Stafford</i>
	Formation	State <i>KS</i>
		Legal Description <i>23-25-14w</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid <i>175 sk 60/40 poz</i>	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad <i>490 Gel</i>	Max	<i>500</i>	5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>mud</i>	Gas Volume		Total Load	

Customer Representative <i>Justin</i>	Station Manager <i>Westerman</i>	Treater <i>D Scott</i>
Service Units <i>1000</i>	<i>84981</i>	<i>19483</i>
Driver Names <i>Scott</i>	<i>M</i>	<i>M'Graw</i>
	<i>M</i>	<i>M'Guire</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0600					Called Out
0930					On loc w/Trki. Safety mtg
					1st Plug D.P. @ 920'
1000		200	11.1	5	H2O Spacer
1002		200	12.7	5	mix 50 ski @ 13.7 ppg
1005		200	3.9	5	H2O Spacer
1007		200	5.9	5	Balance & Disp. Cmt
					2nd Plug @ 430'
1030		200	11.1	5	H2O Spacer
1035		200	12.7	5	mix 50 ski @ 13.7 ppg
1038		200	3.9	5	H2O Disp
					D.P. @ 60"
1100			6.36	3	Circ. Cmt to surface 25 ski
1105			7.6	3	30 ski Rat Hole
1110			5.0	3	20 sk Mouse Hole
					175 sk Total 60-40 poz 490 Gel
					Thank you
					Scotty



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**26**  
 2018

**DST #1**     **Formation: Lans**     **Test Interval: 3734 -**     **Total Depth: 3790'**  
    **B,D,F**                             **3790'**

Time On: 22:30 04/26     Time Off: 03:50 04/27  
 Time On Bottom: 00:50 04/27     Time Off Bottom: 08:20 04/27

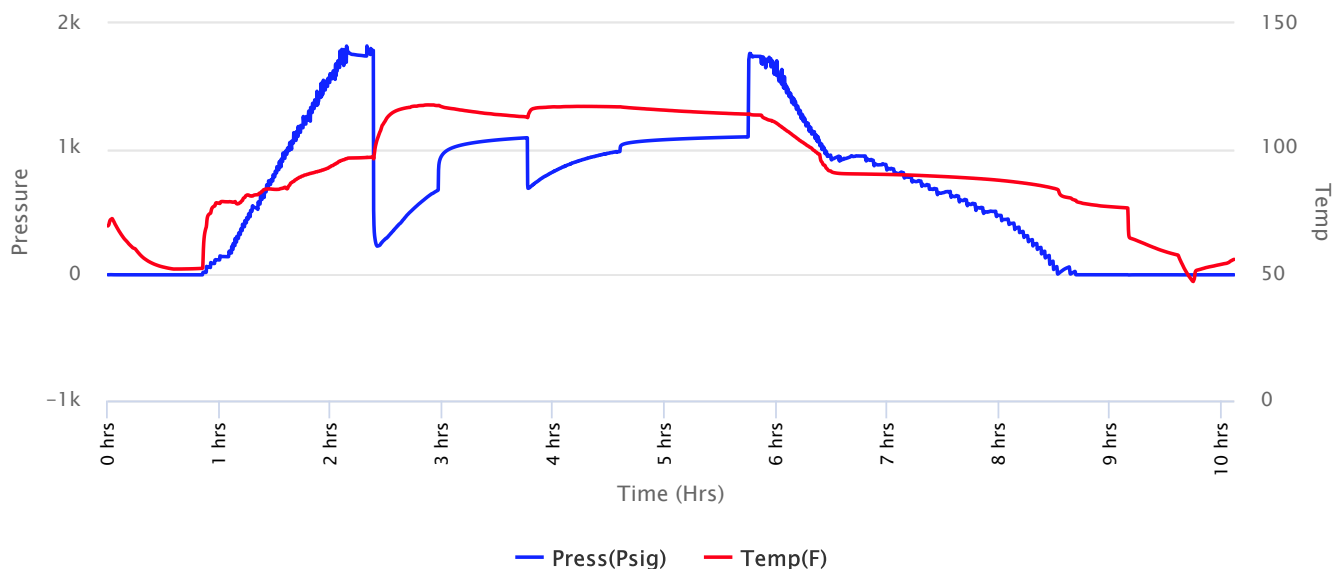
Electronic Volume  
 Estimate:  
 N/A

1st Open  
 Minutes: 30  
 GTS" at 30 min

1st Close  
 Minutes: 45  
 415" at 45 min

2nd Open  
 Minutes: 45  
 GTS" at 45 min

2nd Close  
 Minutes: 60  
 260.7" at 60 min





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**26**  
 2018

**DST #1**      **Formation: Lans B,D,F**      **Test Interval: 3734 - 3790'**      **Total Depth: 3790'**  
 Time On: 22:30 04/26      Time Off: 03:50 04/27  
 Time On Bottom: 00:50 04/27      Time Off Bottom: 08:20 04/27

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1346	14.59064	G	100	0	0	0
278	3.01352	SLWCSLOCSLGCM	15	5	5	75
248	2.68832	SLGC SLWCSLMCO	5	75	10	10
186	2.01624	SLMCOGCW	20	20	45	15
1364	12.9770816	SLOCSLMCW	0	1	94	5

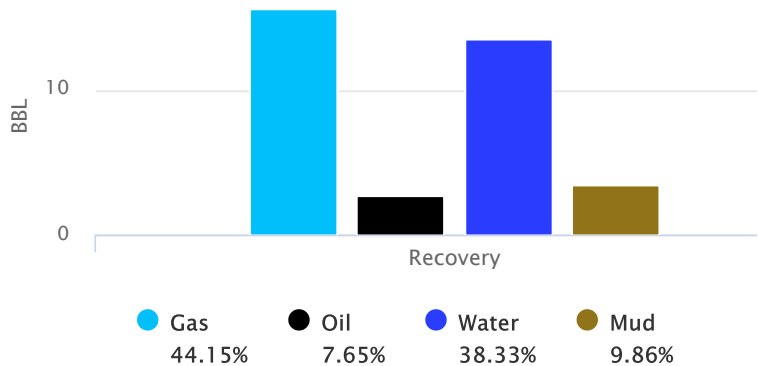
Total Recovered: 3422 ft

Total Barrels Recovered: 35.2858016

Reversed Out  
 NO

Initial Hydrostatic Pressure	1740	PSI
Initial Flow	228 to 676	PSI
<b>Initial Closed in Pressure</b>	<b>1090</b>	<b>PSI</b>
Final Flow Pressure	692 to 981	PSI
<b>Final Closed in Pressure</b>	<b>1098</b>	<b>PSI</b>
Final Hydrostatic Pressure	1738	PSI
Temperature	118	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

<b>DATE</b> April <b>26</b> 2018
---

<b>DST #1</b>	<b>Formation: Lans B,D,F</b>	<b>Test Interval: 3734 - 3790'</b>	<b>Total Depth: 3790'</b>
	Time On: 22:30 04/26	Time Off: 03:50 04/27	
	Time On Bottom: 00:50 04/27	Time Off Bottom: 08:20 04/27	

**REMARKS:**

- 1O. 2" Blow. BOB in 15 secs.
- 1C. BBBB
- 2O. 2" Blow. BOB in 15 Secs.
- 2C. BBBB

Tool Sample: 5 % O 95 % W

Ph: 7

RW: .3 @ 35 degrees F

Chlorides: 115,000 ppm



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

<b>DATE</b> April <b>26</b> 2018
---

<b>DST #1</b>	<b>Formation: Lans B,D,F</b>	<b>Test Interval: 3734 - 3790'</b>	<b>Total Depth: 3790'</b>
	Time On: 22:30 04/26	Time Off: 03:50 04/27	
	Time On Bottom: 00:50 04/27	Time Off Bottom: 08:20 04/27	

### Down Hole Makeup

<b>Heads Up:</b> 27.62 FT	<b>Packer 1:</b> 3728.87 FT
<b>Drill Pipe:</b> 3423.4 FT <i>ID-3</i>	<b>Packer 2:</b> 3733.87 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3718.29 FT
<b>Collars:</b> 305.52 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3770 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>Total Anchor:</b> 56.13	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 1 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.13 FT <i>ID-3</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 21 FT <i>4 1/2-FH</i>	





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

**DATE**  
April  
**26**  
2018

**DST #1**            **Formation: Lans**            **Test Interval: 3734 -**            **Total Depth: 3790'**  
                         **B,D,F**    **3790'**  
Time On: 22:30 04/26                    Time Off: 03:50 04/27  
Time On Bottom: 00:50 04/27          Time Off Bottom: 08:20 04/27

**Mud Properties**

**Mud Type: Chem**

**Weight: 8.8**

**Viscosity: 56**

**Filtrate: 8.4**

**Chlorides: 5500 ppm**



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

<b>DATE</b>
April
<b>26</b>
2018

**DST #1**      **Formation: Lans B,D,F**      **Test Interval: 3734 - 3790'**      **Total Depth: 3790'**

Time On: 22:30 04/26      Time Off: 03:50 04/27  
 Time On Bottom: 00:50 04/27      Time Off Bottom: 08:20 04/27

**Gas Volume Report**

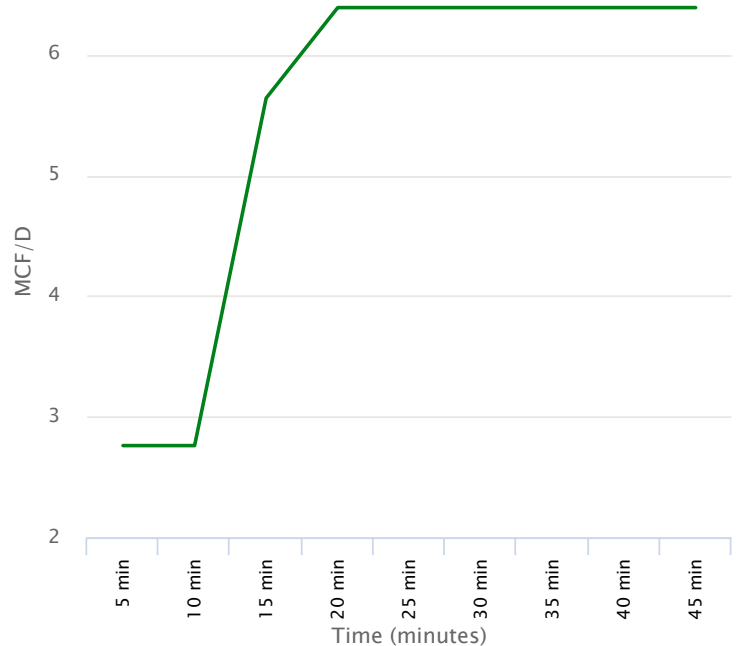
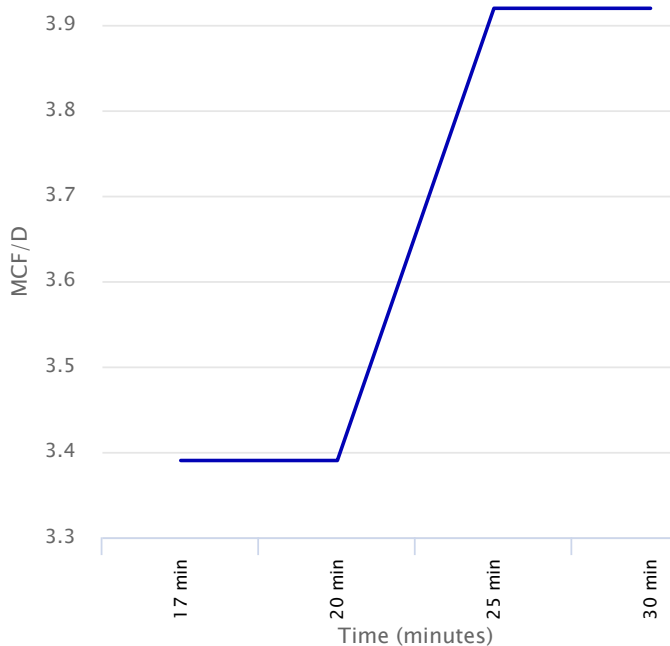
**Remarks:** Caught gas Sample 10 mins into first opening. Gas to Surface in 5 mins on first opening. Gas to surface instantly on second opening

1st Open

Time	Orifice	PSI	MCF/D
17	0.125	1.5	3.39
20	0.125	1.5	3.39
25	0.125	2.0	3.92
30	0.125	2.0	3.92

2nd Open

Time	Orifice	PSI	MCF/D
5	0.125	1.0	2.76
10	0.125	1.0	2.76
15	0.125	4.0	5.64
20	0.125	5.0	6.39
25	0.125	5.0	6.39
30	0.125	5.0	6.39
35	0.125	5.0	6.39
40	0.125	5.0	6.39
45	0.125	5.0	6.39





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**28**  
 2018

**DST #3**      **Formation: Lans I**      **Test Interval: 3860 - 3876'**      **Total Depth: 3876'**  
 Time On: 10:45 04/28      Time Off: 19:01 04/28  
 Time On Bottom: 13:10 04/28      Time Off Bottom: 16:10 04/28

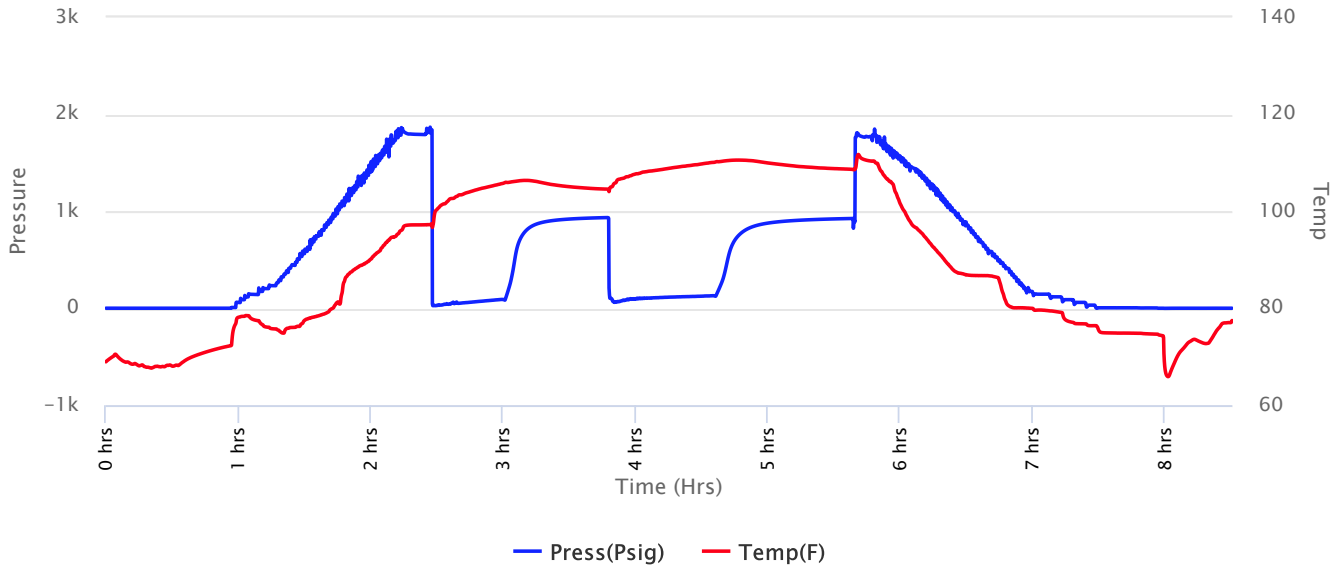
Electronic Volume  
 Estimate:  
 3454'

1st Open  
 Minutes: 30  
 193" at 30 min

1st Close  
 Minutes: 45  
 10.6" at 45 min

2nd Open  
 Minutes: 45  
 292.2" at 45 min

2nd Close  
 Minutes: 60  
 GTS" at 60 min





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**28**  
 2018

**DST #3**      **Formation: Lans I**      **Test Interval: 3860 - 3876'**      **Total Depth: 3876'**  
 Time On: 10:45 04/28      Time Off: 19:01 04/28  
 Time On Bottom: 13:10 04/28      Time Off Bottom: 16:10 04/28

Recovered

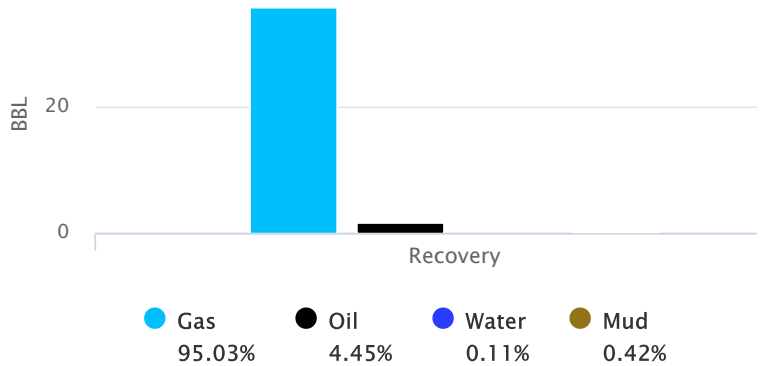
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3297	35.73948	O	100	0	0	0
107	0.7956816	SLWCSLGCMCO	15	60	5	20
244	1.20048	O	0	100	0	0

Total Recovered: 3648 ft

Total Barrels Recovered: 37.7356416

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1791	PSI
Initial Flow	27 to 91	PSI
<b>Initial Closed in Pressure</b>	<b>935</b>	<b>PSI</b>
Final Flow Pressure	61 to 130	PSI
<b>Final Closed in Pressure</b>	<b>926</b>	<b>PSI</b>
Final Hydrostatic Pressure	1797	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	0.9	%



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

<p><b>DATE</b> April <b>28</b> 2018</p>
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**DST #3      Formation: Lans I      Test Interval: 3860 -      Total Depth: 3876'**  
**3876'**

Time On: 10:45 04/28      Time Off: 19:01 04/28  
Time On Bottom: 13:10 04/28      Time Off Bottom: 16:10 04/28

**REMARKS:**

- 1O. 1/4" BOB in 1 1/4 min
- 1C. 10 1/2 inch Blow Back
- 2O. 4" Blow. BOB in 1 min
- 2C. BBBB. Gas At Surface in 10 mins on.

Tool Sample: Blow Out

Gravity: 30 @ 60 degrees F



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

<b>DATE</b> April <b>28</b> 2018
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**DST #3**      **Formation: Lans I**      **Test Interval: 3860 - 3876'**      **Total Depth: 3876'**

Time On: 10:45 04/28      Time Off: 19:01 04/28  
 Time On Bottom: 13:10 04/28      Time Off Bottom: 16:10 04/28

**Down Hole Makeup**

<b>Heads Up:</b> 27 FT	<b>Packer 1:</b> 3855 FT
<b>Drill Pipe:</b> 3548.91 FT <i>ID-3</i>	<b>Packer 2:</b> 3860 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3844.42 FT
<b>Collars:</b> 305.52 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3964 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> 16	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 2 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 13 FT <i>4 1/2-FH</i>	



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

<p><b>DATE</b> April <b>28</b> 2018</p>
---

**DST #3**      **Formation: Lans I**      **Test Interval: 3860 - 3876'**      **Total Depth: 3876'**

Time On: 10:45 04/28      Time Off: 19:01 04/28  
Time On Bottom: 13:10 04/28      Time Off Bottom: 16:10 04/28

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.7      **Viscosity:** 56      **Filtrate:** 10.2      **Chlorides:** 9200 ppm



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

<b>DATE</b>
April
<b>28</b>
2018

**DST #3**      **Formation: Lans I**      **Test Interval: 3860 - 3876'**      **Total Depth: 3876'**

Time On: 10:45 04/28      Time Off: 19:01 04/28  
 Time On Bottom: 13:10 04/28      Time Off Bottom: 16:10 04/28

**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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**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**29**  
 2018

**DST #4**      **Formation: Lans J**      **Test Interval: 3878 - 3888'**      **Total Depth: 3888'**

Time On: 01:58 04/29      Time Off: 09:57 04/29  
 Time On Bottom: 04:06 04/29      Time Off Bottom: 07:06 04/29

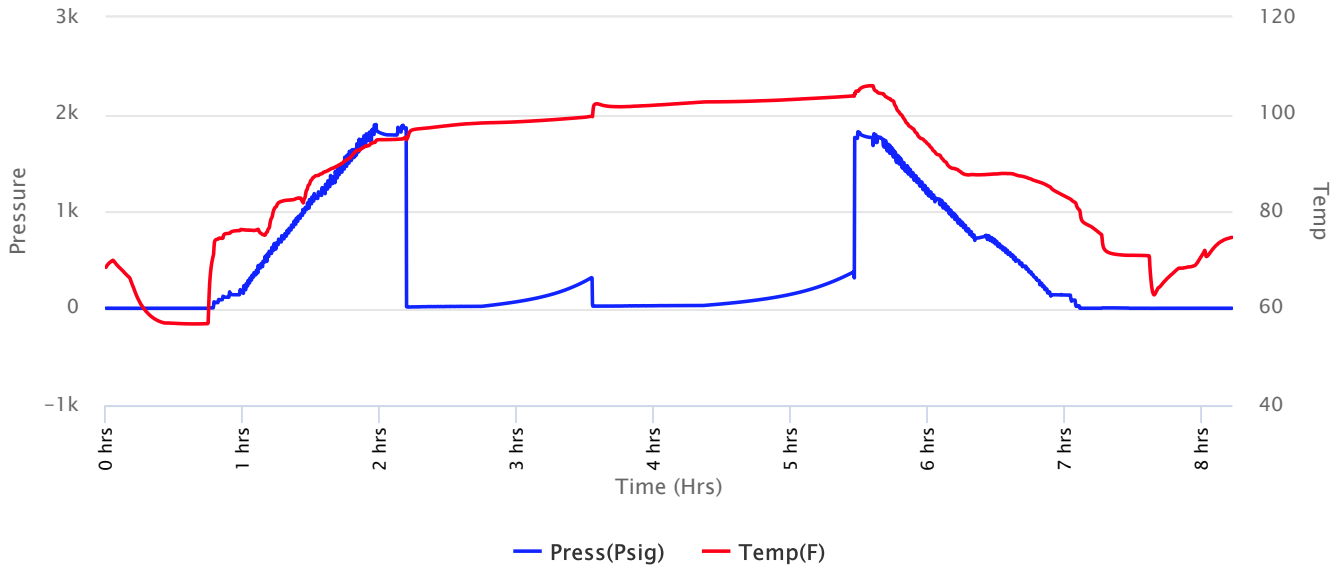
Electronic Volume  
 Estimate:  
 177'

1st Open  
 Minutes: 30  
 4.7" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 3.6" at 45 min

2nd Close  
 Minutes: 60  
 0" at 60 min





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

**DATE**  
 April  
**29**  
 2018

**DST #4**      **Formation: Lans J**      **Test Interval: 3878 - 3888'**      **Total Depth: 3888'**

Time On: 01:58 04/29      Time Off: 09:57 04/29  
 Time On Bottom: 04:06 04/29      Time Off Bottom: 07:06 04/29

Recovered

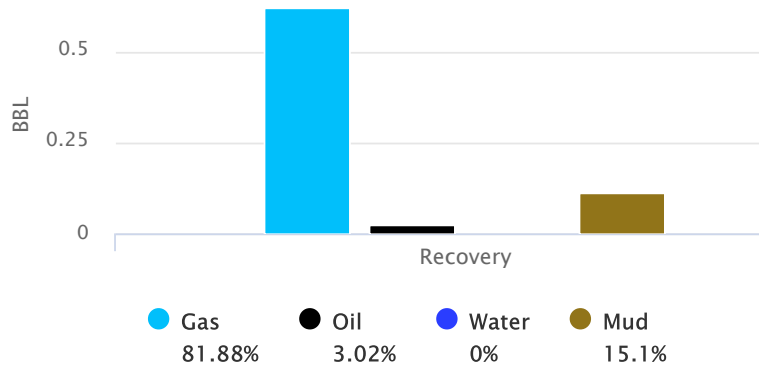
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
123	0.60516	G	100	0	0	0
31	0.15252	SLGCSLOCM	10	15	0	75

Total Recovered: 154 ft  
 Total Barrels Recovered: 0.75768

Reversed Out  
 NO

Initial Hydrostatic Pressure	1786	PSI
Initial Flow	16 to 20	PSI
<b>Initial Closed in Pressure</b>	<b>317</b>	<b>PSI</b>
Final Flow Pressure	22 to 29	PSI
<b>Final Closed in Pressure</b>	<b>373</b>	<b>PSI</b>
Final Hydrostatic Pressure	1791	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**





**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

<b>DATE</b> April <b>29</b> 2018
---

<b>DST #4</b>	<b>Formation: Lans J</b>	<b>Test Interval: 3878 - 3888'</b>	<b>Total Depth: 3888'</b>
	Time On: 01:58 04/29	Time Off: 09:57 04/29	
	Time On Bottom: 04:06 04/29	Time Off Bottom: 07:06 04/29	

**REMARKS:**

- 1O. 1/2" Blow. Built to 4 3/4 inches in 30 mins
- 1C. NOBB
- 2O. 1 1/2" Blow. Built to 3 1/2 inches in 45 mins
- 2C. NO Blow Back

Tool Sample: 10% G 15% O 10% W 65% M



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

<b>DATE</b> April <b>29</b> 2018
---

**DST #4**      **Formation: Lans J**      **Test Interval: 3878 - 3888'**      **Total Depth: 3888'**

Time On: 01:58 04/29      Time Off: 09:57 04/29  
 Time On Bottom: 04:06 04/29      Time Off Bottom: 07:06 04/29

**Down Hole Makeup**

<b>Heads Up:</b> 9 FT	<b>Packer 1:</b> 3873 FT
<b>Drill Pipe:</b> 3548.91 FT <i>ID-3</i>	<b>Packer 2:</b> 3878 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3862.42 FT
<b>Collars:</b> 305.52 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3881 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> 10	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 1 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 8 FT <i>4 1/2-FH</i>	



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
County: STAFFORD  
State: Kansas  
Drilling Contractor: C & G Drilling  
Company - Rig 1  
Elevation: 1969 GL  
Field Name: Kipp North  
Pool: Pool Ext  
Job Number: 139

<p><b>DATE</b> April <b>29</b> 2018</p>
---

**DST #4**      **Formation: Lans J**      **Test Interval: 3878 - 3888'**      **Total Depth: 3888'**

Time On: 01:58 04/29      Time Off: 09:57 04/29  
Time On Bottom: 04:06 04/29      Time Off Bottom: 07:06 04/29

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.7      **Viscosity:** 56      **Filtrate:** 10.2      **Chlorides:** 9200 ppm



**Company: Coats Energy, Inc.**  
**Lease: Tanner #1**

SEC: 23 TWN: 25S RNG: 14W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: C & G Drilling  
 Company - Rig 1  
 Elevation: 1969 GL  
 Field Name: Kipp North  
 Pool: Pool Ext  
 Job Number: 139

<b>DATE</b>
April
<b>29</b>
2018

**DST #4**      **Formation: Lans J**      **Test Interval: 3878 - 3888'**      **Total Depth: 3888'**

Time On: 01:58 04/29      Time Off: 09:57 04/29  
 Time On Bottom: 04:06 04/29      Time Off Bottom: 07:06 04/29

**Gas Volume Report**

1st Open

2nd Open

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