

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 Recompletion Date _____ 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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Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	SCHMITT 1-10
Doc ID	1467712

All Electric Logs Run

CDL/CNL/PE
DIL
MEL
SONIC



Company: Mull Drilling Company, Inc

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 4
Elevation: 2988 Sur
Field Name: Wildcat
Pool: Wildcat
Job Number: 338

Operation:
Uploading recovery & pressures

DATE
April
28
2019

DST #1 Formation: Lansing "I-L" Test Interval: 4210 - 4340' Total Depth: 4340'
Time On: 05:44 04/28 Time Off: 15:16 04/28
Time On Bottom: 09:08 04/28 Time Off Bottom: 12:43 04/28

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



**Company: Mull Drilling
Company, Inc**
Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
April
29
2019

DST #2 **Formation: Marmaton** **Test Interval: 4355 - 4450'** **Total Depth: 4450'**
Time On: 07:32 04/29 Time Off: 16:38 04/29
Time On Bottom: 10:17 04/29 Time Off Bottom: 13:52 04/29

Electronic Volume
Estimate:
184'

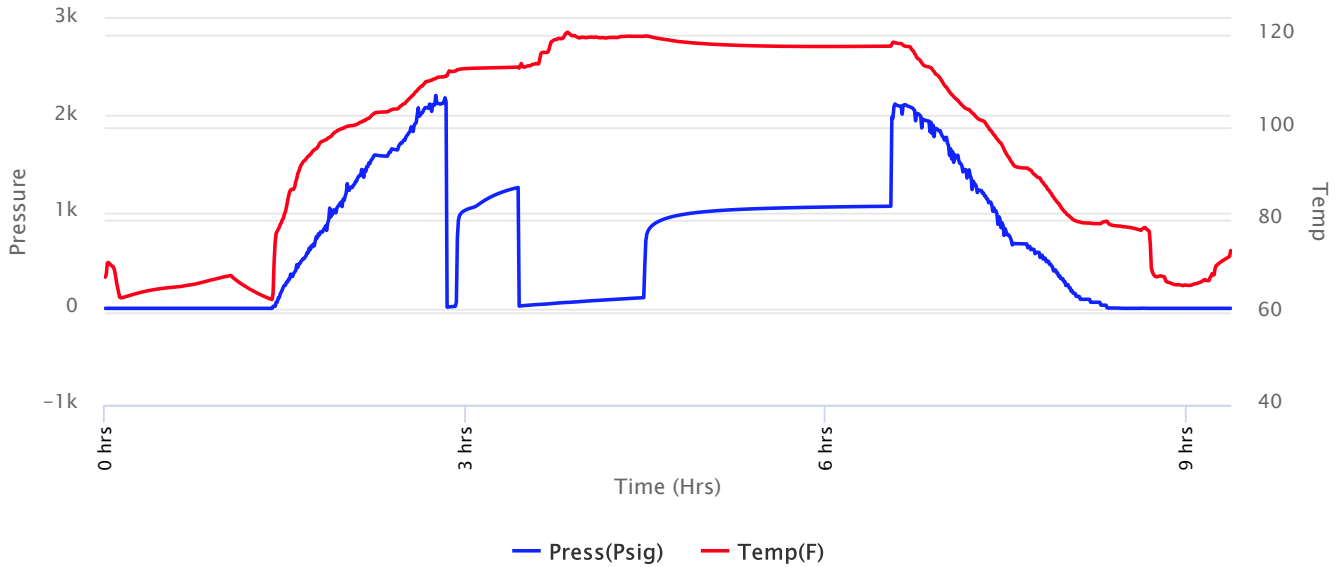
1st Open
Minutes: 5
Current Reading:
1.7" at 5 min
Max Reading: 1.7"

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

2nd Open
Minutes: 60
Current Reading:
13.8" at 60 min
Max Reading: 13.8"

2nd Close
Minutes: 120
Current Reading:
0" at 120 min
Max Reading: 0"

Inside Recorder





**Company: Mull Drilling
Company, Inc**
Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
April
29
2019

DST #2 **Formation: Marmaton** **Test Interval: 4355 - 4450'** **Total Depth: 4450'**
Time On: 07:32 04/29 Time Off: 16:38 04/29
Time On Bottom: 10:17 04/29 Time Off Bottom: 13:52 04/29

Recovered

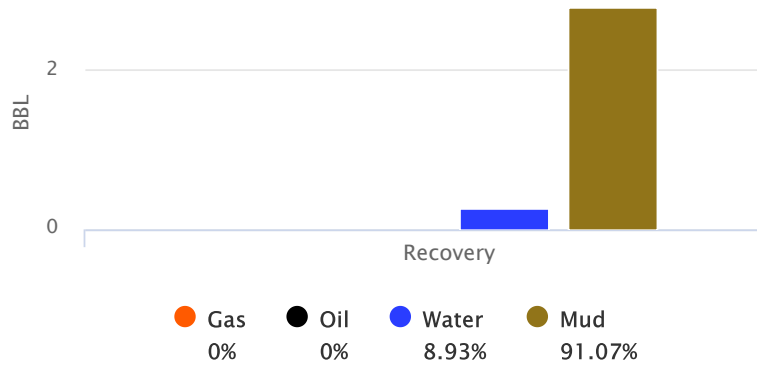
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
155	2.20565	MUD	0	0	0	100
60	0.8538	HWCM	0	0	32	68

Total Recovered: 215 ft
Total Barrels Recovered: 3.05945

Reversed Out
NO

Initial Hydrostatic Pressure	2124	PSI
Initial Flow	13 to 22	PSI
Initial Closed in Pressure	1253	PSI
Final Flow Pressure	24 to 111	PSI
Final Closed in Pressure	1058	PSI
Final Hydrostatic Pressure	2118	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	15.5	%

Recovery at a glance



GIP cubic foot volume: 0



**Company: Mull Drilling
Company, Inc**

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
April
29
2019

DST #2	Formation: Marmaton	Test Interval: 4355 - 4450'	Total Depth: 4450'
	Time On: 07:32 04/29	Time Off: 16:38 04/29	
	Time On Bottom: 10:17 04/29	Time Off Bottom: 13:52 04/29	

BUCKET MEASUREMENT:

1st Open: 1/4" blow building to 2"
1st Close: No BB
2nd Open: Surface blow building to BOB 54 min.
2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas .1% Oil 4.9% Water 95% Mud
Ph: 9.0
Measured RW: .34 @ 70 degrees °F
RW at Formation Temp: 0.204 @ 121 °F
Chlorides: 13,000 ppm



Company: Mull Drilling Company, Inc

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery & pressures

DATE
April
29
2019

DST #2 **Formation: Marmaton** **Test Interval: 4355 - 4450'** **Total Depth: 4450'**
Time On: 07:32 04/29 Time Off: 16:38 04/29
Time On Bottom: 10:17 04/29 Time Off Bottom: 13:52 04/29

Down Hole Makeup

Heads Up: 21.23 FT	Packer 1: 4349.71 FT
Drill Pipe: 4343.37 FT <i>ID-3 1/2</i>	Packer 2: 4354.71 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4339.13 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4423 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 95.29	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: 1 FT	
Drill Pipe: (in anchor): 61.29 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 28 FT <i>4 1/2-FH</i>	



Company: Mull Drilling Company, Inc

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery & pressures

DATE
April
29
2019

DST #2 **Formation: Marmaton** **Test Interval: 4355 - 4450'** **Total Depth: 4450'**
Time On: 07:32 04/29 Time Off: 16:38 04/29
Time On Bottom: 10:17 04/29 Time Off Bottom: 13:52 04/29

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



**Company: Mull Drilling
Company, Inc**

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
April
30
2019

DST #3 Formation: Altamont Test Interval: 4440 - Total Depth: 4530'
"C"-Myric Station 4530'
Time On: 06:49 04/30 Time Off: 13:02 04/30
Time On Bottom: 09:30 04/30 Time Off Bottom: 11:05 04/30

BUCKET MEASUREMENT:

1st Open: Surface blow building to 1/4"

1st Close: No BB

2nd Open: Weak surface blow lasting 25-30 min.

2nd Close: No BB

REMARKS:

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



**Company: Mull Drilling
Company, Inc
Lease: Schmitt #1-10**

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
May
01
2019

DST #4 Formation: Johnson Test Interval: 4545 - Total Depth: 4645'
4645'
Time On: 07:47 05/01 Time Off: 13:49 05/01
Time On Bottom: 10:17 05/01 Time Off Bottom: 11:52 05/01

Electronic Volume
Estimate:
19'

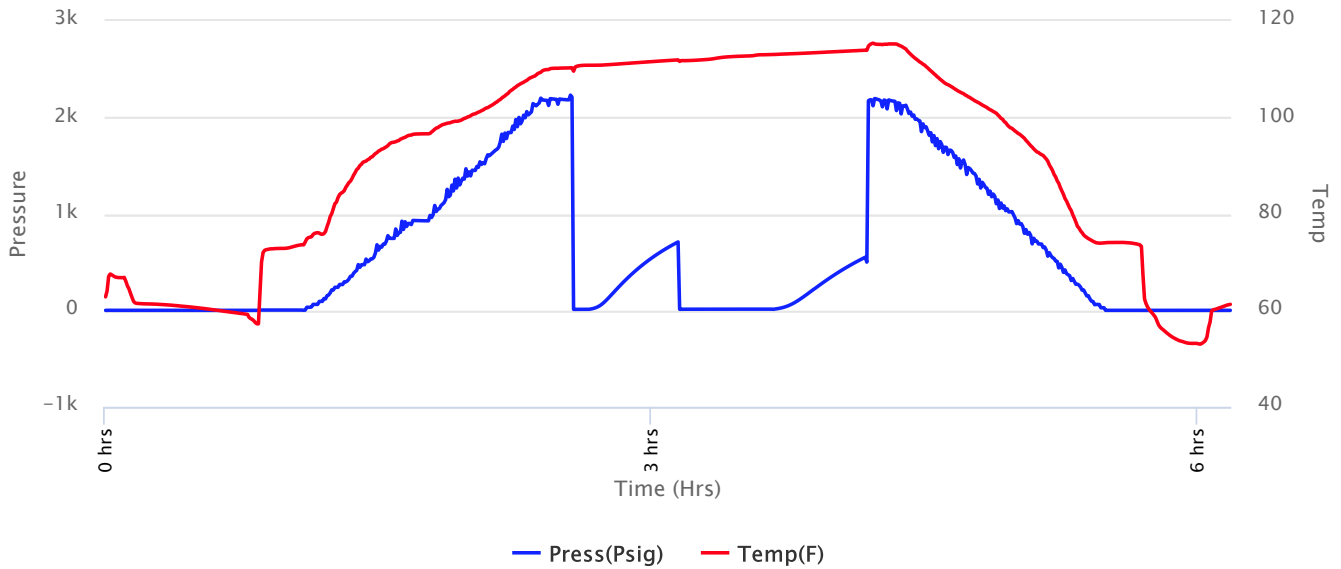
1st Open
Minutes: 5
Current Reading:
1.0" at 5 min
Max Reading: 1.0"

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: .5"

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

Inside Recorder





**Company: Mull Drilling
Company, Inc**
Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
May
01
2019

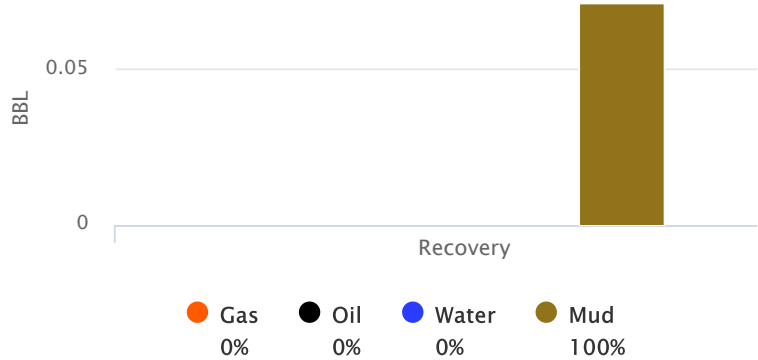
DST #4 **Formation: Johnson** **Test Interval: 4545 - 4645'** **Total Depth: 4645'**
Time On: 07:47 05/01 Time Off: 13:49 05/01
Time On Bottom: 10:17 05/01 Time Off Bottom: 11:52 05/01

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.07115	M	0	0	0	100

Total Recovered: 5 ft
Total Barrels Recovered: 0.07115

**Reversed Out
NO**

Recovery at a glance



Initial Hydrostatic Pressure	2181	PSI
Initial Flow	11 to 12	PSI
Initial Closed in Pressure	709	PSI
Final Flow Pressure	11 to 13	PSI
Final Closed in Pressure	551	PSI
Final Hydrostatic Pressure	2181	PSI
Temperature	114	°F
Pressure Change Initial Close / Final Close	22.4	%

GIP cubic foot volume: 0



**Company: Mull Drilling
Company, Inc**

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
May
01
2019

DST #4 Formation: Johnson Test Interval: 4545 - Total Depth: 4645'
4645'
Time On: 07:47 05/01 Time Off: 13:49 05/01
Time On Bottom: 10:17 05/01 Time Off Bottom: 11:52 05/01

BUCKET MEASUREMENT:

1st Open: Surface blow building to 1/2"
1st Close: No BB
2nd Open: Weak surface blow lasting 23 min.
2nd Close: No BB

REMARKS:

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



**Company: Mull Drilling
Company, Inc
Lease: Schmitt #1-10**

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
May
01
2019

DST #4 Formation: Johnson Test Interval: 4545 - 4645' Total Depth: 4645'
Time On: 07:47 05/01 Time Off: 13:49 05/01
Time On Bottom: 10:17 05/01 Time Off Bottom: 11:52 05/01

Down Hole Makeup

Heads Up: 18.51 FT	Packer 1: 4539.71 FT
Drill Pipe: 4530.65 FT <i>ID-3 1/2</i>	Packer 2: 4544.71 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4529.13 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4613 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 100.29	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: 1 FT	
Drill Pipe: (in anchor): 61.29 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 33 FT <i>4 1/2-FH</i>	



**Company: Mull Drilling
Company, Inc**

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery &
pressures

DATE
May
01
2019

DST #4 Formation: Johnson Test Interval: 4545 - Total Depth: 4645'
4645'
Time On: 07:47 05/01 Time Off: 13:49 05/01
Time On Bottom: 10:17 05/01 Time Off Bottom: 11:52 05/01

Mud Properties

Mud Type: Chemical **Weight:** 9.25 **Viscosity:** 60 **Filtrate:** 7.2 **Chlorides:** 2,300 ppm



Company: Mull Drilling Company, Inc

Lease: Schmitt #1-10

SEC: 10 TWN: 17S RNG: 32W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 4
Elevation: 2988 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 338

Operation:
Uploading recovery & pressures

DATE
May
01
2019

DST #4 Formation: Johnson Test Interval: 4545 - 4645' Total Depth: 4645'
Time On: 07:47 05/01 Time Off: 13:49 05/01
Time On Bottom: 10:17 05/01 Time Off Bottom: 11:52 05/01

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

KEVIN L. KESSLER

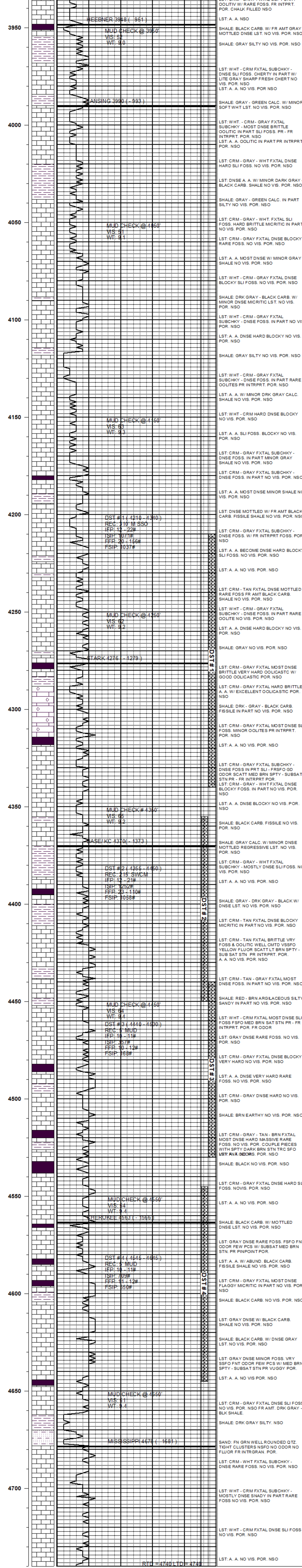
CONSULTING PETROLEUM GEOLOGIST

(316) 522 - 7338

OPERATOR : MULL DRILLING CO. INC.		ELEVATION KB: 2997' GL: 2988' MEASUREMENTS FROM: KB	
LEASE : SCHMITT	WELL # : 1 - 10		
LOCATION : 602' FNL & 2151' FWL			
SEC : 10	TWP : 17S		RGE : 32W
COUNTY : SCOTT		STATE : KANSAS	
CONTRACTOR: DUKE DRILLING RIG # 4		CASING RECORD: SURFACE: 8 5/8" @ 231' PRODUCTION: NONE	
COMM: 04 - 22 - 2019			COMP: 05 - 02 - 2019
RTD: 4740			LTD: 4740
GEOLOGICAL SUPERVISION FROM: 3900			TO: RTD
SAMPLES SAVED FROM: 3900		TO: RTD	

FORMATION:	TOP	LOG DATUM	TOP	SAMPLE DATUM	COMP.	ELECTRICAL SURVEYS:
HEEBNER	3948	- 951	3948	- 951	- 06	DIL CNL/CDL MICRO SONIC
LANSING	3990	- 993	3990	- 993	+ 01	
STARK	4276	- 1279	4276	- 1279	- 01	
BASE/KC	4370	- 1373	4370	- 1373	- 03	
CHEROKEE	4563	- 1566	4563	- 1566	- 08	
MISSISSIPPI	4678	- 1681	4678	- 1681	- 19	

REFERENCE WELL FOR STRUCTURAL COMPARISON:
MULL DRLG # 1-11 SCMITT COUNTY 11-17S-32W SCOTT CO KS



COMMENTS :
DUE TO NEGATIVE TEST RESULTS THIS WELL WAS PLUGGED AND ABANDONED

KEVIN L. KESSLER