

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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Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	NUTTLE #1-7
Doc ID	1632854

All Electric Logs Run

DIL
Density-Neutron
Sonic
Microlog

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	NUTTLE #1-7
Doc ID	1632854

Tops

Name	Top	Datum
Stone Corral	2068	598
Heebner	3894	-1228
Lansing	3932	-1266
BKC	4236	-1570
Marmaton	4288	-1622
Fort Scott	4436	-1770
Cherokee	4463	-1797
Mississippi	4534	-1868

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	NUTTLE #1-7
Doc ID	1632854

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4538	4548	CIBP Cast Iron Bridge Plug	4520	
4	4456	4460	CIBP Cast Iron Bridge Plug	4150	
4	4188	4222	CIBP Cast Iron Bridge Plug	4150	300 gals. 15% MCA
4	4156	4168	CIBP Cast Iron Bridge Plug	4150	500 gals. 15% MCA
4	4118	4122			
4	4096	4100			250 gals. 15% MCA
4	4082	4088			500 gals. 15% MCA

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2678

Date <i>12-20-21</i>	Sec. <i>7</i>	Twp. <i>16</i>	Range <i>26</i>	County <i>NESS</i>	State <i>Ks</i>	On Location	Finish <i>7:00pm</i>
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Location *Utica 3W 3.3 N*

Lease <i>Nottle</i>	Well No. <i>1-7</i>	Owner
Contractor <i>Duke</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <i>SURFACE</i>		
Hole Size <i>12 1/4</i>	T.D.	Charge To <i>Mull Drilling Co</i>
Csg. <i>8 5/8</i>	Depth	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <i>15</i>	Shoe Joint	Cement Amount Ordered <i>175 cu ft 8920-3-2</i>

Meas Line Displace *13.4*

EQUIPMENT			
Pumptrk <i>17</i>	No. Cementer	<i>B. V</i>	Common <i>140</i>
	Helper	<i>CRAL</i>	Poz. Mix <i>35</i>
Bulktrk	No. Driver		Gel. <i>3</i>
Bulktrk <i>9</i>	No. Driver	<i>Jordan</i>	Calcium <i>7</i>

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38

Sete ~~225~~ 220
Cemt of 175 cu ft
Pump plus of 13.4 bbls
Cemt did circ

FLOAT EQUIPMENT	
Handling <i>185</i>	Guide Shoe
Mileage	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge *Surface*
Mileage *34*

Signature <i>Hoctor Torres</i>	Tax
	Discount
	Total Charge

Thanks



CHARGE TO: Mud Drilling
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 35753

PAGE 1 OF 3

1. <u>Hays Ks</u>	WELL/PROJECT NO. <u>1-7</u>	LEASE <u>MUTEL</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>Ks</u>	CITY	DATE <u>1/10/22</u>	OWNER
2. <u>Ness City Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke</u>	RIG NAME/NO.	SHIPPED <u>W/E</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>TOP TO BOTTOM LOGS STRIKES</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT
		LOC	ACCT	DF		UM	UM	PRICE		
535					MILEAGE <u>TRK # 11D</u>	35	mi			210.00
539					<u>RUNE CHARGE - TOP TO BOTTOM</u>	1	EA			2050.00
290					<u>D-AIR</u>	6	EA			42.00
280					<u>FLOCHECK 21</u>	1	DD	EA		3.50
221					<u>Liquid Gel</u>	2	EA			25.00
403					<u>CEMENT BASKET</u>	3	EA	S/2		825.00
406					<u>LATCH DOWN Plug & Baffle</u>	1	EA			250.00
407					<u>INSERT FLOAT SHOE AL AIR FILL</u>	1	EA			325.00
409					<u>TURBO LIZER</u>	14	EA			90.00
419					<u>ROTATING HEAD RENTAL</u>	1	EA			250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	D.P.1
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					
TOTAL					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR DAVID EDGESTON

APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 1/10/22 PAGE NO.

CUSTOMER Mull Drilling WELL NO. 1-7 LEASE Nuttel JOB TYPE TOP TO BOTTOM TICKET NO. 35753

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							on location
								5 1/2 x 17 #
								RTD- 4670 LTD 4672
								TOTAL PIPE - 4660
								SHOE - 44' BAFFLE @ 4616
								CENTRALIZERS - 1-12 34, 61
								BASKETS - 7, 35, 62
	1245							START CSG
	1530							START CIRC
	1700	2	8			0		plug rat Hole - 30 sx
		2	4			0		plug MOUSE hole - 20 sx
		6	24			300		pump flocheck
		6	20			300		pump KCL SPACER
		7	200			400		START CMT 350 sx SMD @ 11.2 PAK
		5	195			200		END SMD - START 50/50 @ 14.6
		5	230					END CMT
		7	0					Drop plug - WASH P&L
		5.5	107			1200		START DISP
								LAND plug @ 1700 #
								JET CELLAR - CMT IN BOTTOM
								JOB COMPLETE
								THANKS
								DAVID, SETH, ISAAC, MARK, SHAWN



CHARGE TO: Nell Dalg Co
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 34276

WELL/PROJECT NO. 17 LEASE Nuttk COUNTY/PARISH Ness STATE KS CITY Utica DATE 2-11-2008 OWNER
 TICKET TYPE SERVICE SALES CONTRACTOR Futler FIG NAME/NO. Ness SHIPPED VIA CS DELIVERED TO LOCATION ORDER NO.
 WELL CATEGORY Development JOB PURPOSE Squeeze CMT to surface WELL PERMIT NO. Utica, 3-W, 3 1/2-N

PAGE 1 OF 1

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
576			MILEAGE TRK #115	40	MI	1	JOB	6.00	240.00
576			Ramp Charge - Shallow Squeeze					1,050.00	1,050.00
305			Standard Cement	166	SKS			14.00	2324.00
279			Benzonite Gel	3	SKS			30.00	90.00
278			Calcium Chloride	8	SKS			40.00	320.00
290			D-AIR	2	GD			42.00	84.00
581			Cement Service Charge					2.00	360.00
583			Dravage	17160	lbs	343	TM	1.00	343.00

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REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED 2-11-2008 TIME SIGNED 11:00 A.M. P.M.
 SIGNATURE [Signature]

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	1	4896.00
TOTAL	17059.12	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR [Signature] APPROVAL [Signature]
 Thank You!

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	T	C	PRESSURE (PSI)	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
0905	Ø	2	200	✓			500			Test BS to 500 PSI + Hold + Shut in
0910	3	3	300	✓			300			Injection Rate 3 @ 300 PSI
0915	3	40	200	✓			200			Mix 165 sks of Standard CMT @ 147ppg * Circulate CMT to surface * Wash Pump + Lines
0930	2	0	0	✓			0			Begin Displacement PKR Clear
0945	1 1/2	3.5	300	✓			300			RO Pump - Shut in
0955	1040	5.25	450	✓			450			Wash up TB #115 Job Complete
										Thanks!
										165 sks of Standard CMT w/ 2% gel, 3% CC used - 15 sks to the RT - Borden, Mark Shane



Company: Mull Drilling Company, Inc

Lease: Nuttle #1-7

SEC: 7 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 5
Elevation: 2655 GL
Field Name: Prairie Ridge North
Pool: Infield
Job Number: 545
API #: 15-135-26140

Operation:
Uploading recovery & pressures

DATE
January
04
2022

DST #1 **Formation: Lansing "F"** **Test Interval: 4010 - 4030'** **Total Depth: 4030'**

Time On: 19:01 01/04 Time Off: 05:08 01/05
Time On Bottom: 22:45 01/05 Time Off Bottom: 01:05 01/06

Electronic Volume Estimate:
2086'

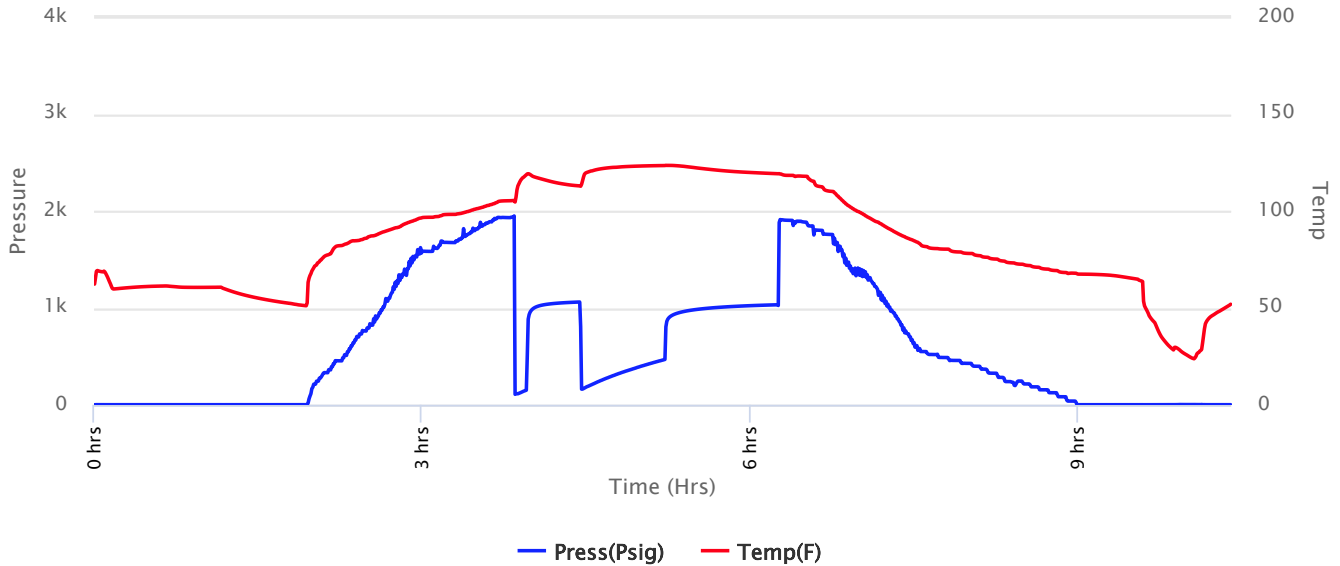
1st Open
Minutes: 5
Current Reading:
33.7" at 5 min
Max Reading: 33.7"

1st Close
Minutes: 30
Current Reading:
1.8" at 30 min
Max Reading: 1.8"

2nd Open
Minutes: 45
Current Reading:
164.9" at 45 min
Max Reading: 164.9"

2nd Close
Minutes: 45
Current Reading:
15.4" at 45 min
Max Reading: 15.4"

Inside Recorder





**Company: Mull Drilling
Company, Inc
Lease: Nuttle #1-7**

SEC: 7 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 5
Elevation: 2655 GL
Field Name: Prairie Ridge North
Pool: Infield
Job Number: 545
API #: 15-135-26140

Operation:
Uploading recovery &
pressures

DATE
January
04
2022

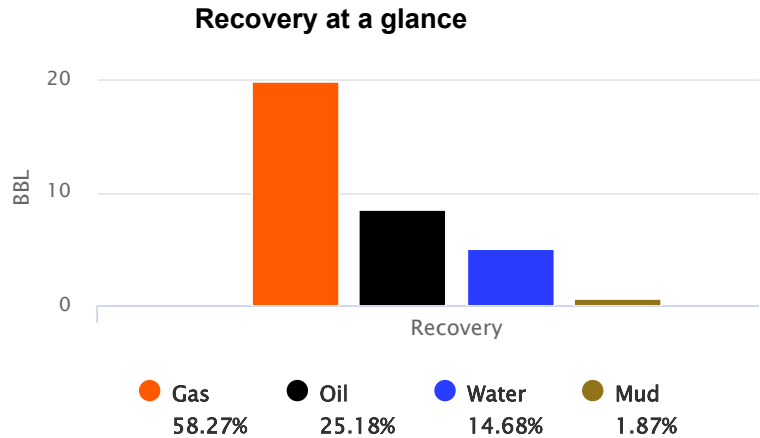
DST #1 Formation: Lansing "F" Test Interval: 4010 - 4030' Total Depth: 4030'
Time On: 19:01 01/04 Time Off: 05:08 01/05
Time On Bottom: 22:45 01/05 Time Off Bottom: 01:05 01/06

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
1300	18.499	G	100	0	0	0
25	0.35575	SLOCM	0	8	0	92
350	4.9805	SLMCSLGCO	4	93	0	3
155	2.20565	SLWCSLGCO	13	83	4	0
250	3.5575	SLMCWCGCO	22	55	21	2
315	4.48245	SLGC SLMCSLOCW	2	3	93	2

Total Recovered: 2395 ft
Total Barrels Recovered: 34.08085

Reversed Out
NO

Initial Hydrostatic Pressure	1934	PSI
Initial Flow	108 to 151	PSI
Initial Closed in Pressure	1060	PSI
Final Flow Pressure	161 to 468	PSI
Final Closed in Pressure	1025	PSI
Final Hydrostatic Pressure	1911	PSI
Temperature	124	°F
Pressure Change Initial Close / Final Close	3.4	%



GIP cubic foot volume: 111.48855



Company: Mull Drilling Company, Inc

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Elevation: 2655 GL
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Operation:
Uploading recovery & pressures

DATE
January
04
2022

DST #1 **Formation: Lansing "F"** **Test Interval: 4010 - 4030'** **Total Depth: 4030'**
Time On: 19:01 01/04 Time Off: 05:08 01/05
Time On Bottom: 22:45 01/05 Time Off Bottom: 01:05 01/06

Down Hole Makeup

Heads Up: 28.89 FT	Packer 1: 4005 FT
Drill Pipe: 4006.32 FT <i>ID-3 1/2</i>	Packer 2: 4010 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3994.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4012 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: 20	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 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): 19 FT <i>4 1/2-FH</i>	



Company: Mull Drilling Company, Inc

Lease: Nuttle #1-7

SEC: 7 TWN: 16S RNG: 26W
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Elevation: 2655 GL
Field Name: Prairie Ridge North
Pool: Infield
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Operation:
Uploading recovery & pressures

DATE
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04
2022

DST #1 **Formation: Lansing "F"** **Test Interval: 4010 - 4030'** **Total Depth: 4030'**
Time On: 19:01 01/04 Time Off: 05:08 01/05
Time On Bottom: 22:45 01/05 Time Off Bottom: 01:05 01/06

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: Mull Drilling Company, Inc

Lease: Nuttle #1-7

SEC: 7 TWN: 16S RNG: 26W
 County: NESS
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 5
 Elevation: 2655 GL
 Field Name: Prairie Ridge North
 Pool: Infield
 Job Number: 545
 API #: 15-135-26140

Operation:
 Uploading recovery & pressures

DATE
 January
06
 2022

DST #2 **Formation: Lansing "I&J"** **Test Interval: 4105 - 4162'** **Total Depth: 4162'**
 Time On: 17:54 01/06 Time Off: 05:16 01/07
 Time On Bottom: 21:34 01/06 Time Off Bottom: 00:49 01/07

Electronic Volume Estimate:
 564'

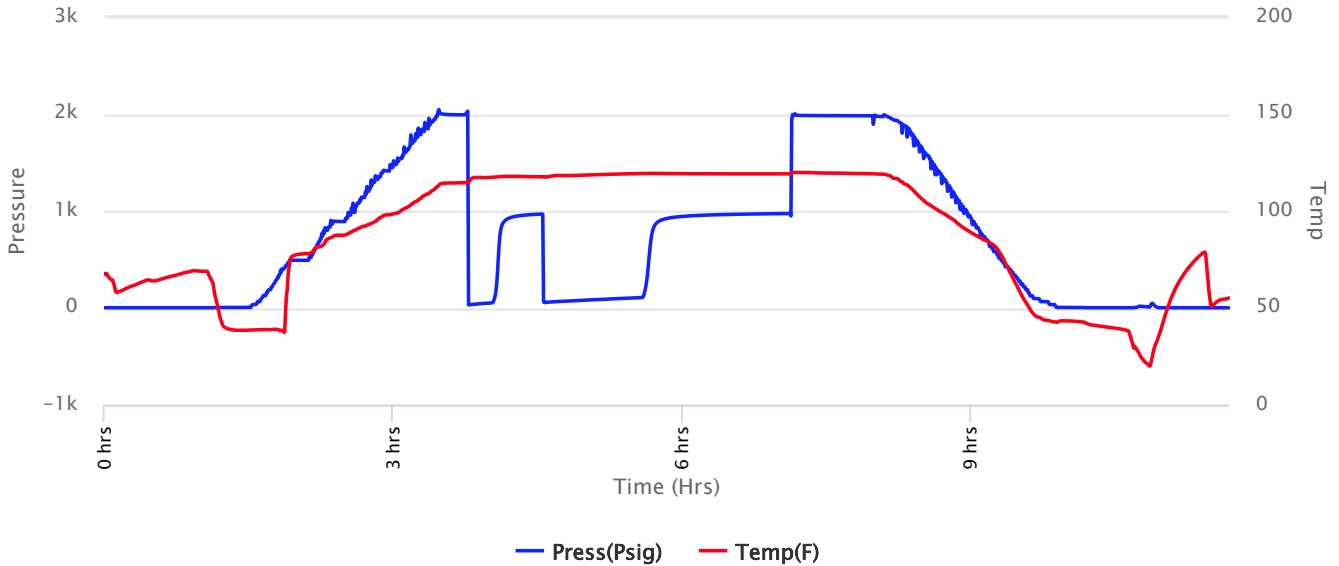
1st Open
 Minutes: 15
 Current Reading:
 7.7" at 15 min
 Max Reading: 7.7"

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

2nd Open
 Minutes: 60
 Current Reading:
 42.0" at 60 min
 Max Reading: 42.0"

2nd Close
 Minutes: 90
 Current Reading:
 2.2" at 90 min
 Max Reading: 2.2"

Inside Recorder





**Company: Mull Drilling
Company, Inc
Lease: Nuttle #1-7**

SEC: 7 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 5
Elevation: 2655 GL
Field Name: Prairie Ridge North
Pool: Infield
Job Number: 545
API #: 15-135-26140

Operation:
Uploading recovery &
pressures

DATE
January
06
2022

DST #2 Formation: Lansing Test Interval: 4105 - Total Depth: 4162'
"I&J"
Time On: 17:54 01/06 Time Off: 05:16 01/07
Time On Bottom: 21:34 01/06 Time Off Bottom: 00:49 01/07

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
420	5.9766	G	100	0	0	0
145	2.06335	SLGCOCM	5	25	0	70
65	0.92495	SLGCSLMCW (trace O)	3	.3	78.7	18

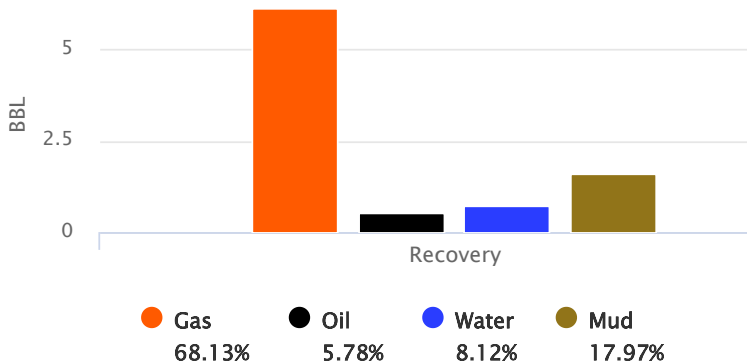
Total Recovered: 630 ft
Total Barrels Recovered: 8.9649

Reversed Out
NO

Initial Hydrostatic Pressure 2005 PSI
Initial Flow 30 to 52 PSI
Initial Closed in Pressure 966 PSI
Final Flow Pressure 55 to 106 PSI
Final Closed in Pressure 973 PSI
Final Hydrostatic Pressure 2002 PSI
Temperature 120 °F

Pressure Change Initial 0.0 %
Close / Final Close

Recovery at a glance



GIP cubic foot volume: 34.29065



Company: Mull Drilling Company, Inc

Lease: Nuttle #1-7

SEC: 7 TWN: 16S RNG: 26W
County: NESS
State: Kansas
Drilling Contractor: Duke Drilling Company, Inc - Rig 5
Elevation: 2655 GL
Field Name: Prairie Ridge North
Pool: Infield
Job Number: 545
API #: 15-135-26140

Operation:
Uploading recovery & pressures

DATE
January
06
2022

DST #2 Formation: Lansing "I&J" Test Interval: 4105 - 4162' Total Depth: 4162'
Time On: 17:54 01/06 Time Off: 05:16 01/07
Time On Bottom: 21:34 01/06 Time Off Bottom: 00:49 01/07

BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1/2" blow building to 8"

1st Close: No BB

2nd Open: 1" blow building reaching BOB 14 1/2 min.

2nd Close: 2' BB

REMARKS:

Tool Sample: 0% Gas .3% Oil 98.7% Water 1% Mud

Ph: 6.0

Measured RW: .29 @ 45 degrees °F

RW at Formation Temp: 0.118 @ 120 °F

Chlorides: 41,000 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

Well Name: NUTTLE #1-7
 API: 15-135-26140-00-00
 Location: 16S-26W-07 / SE NW NW NE
 License Number: 335' FNL & 2244' FEL
 Spud Date: NA
 Surface Coordinates: 16S-26W-07 / SE NW NW NE
 335' FNL & 2244' FEL
 Bottom Hole Coordinates: NA
 Ground Elevation (ft): 2655
 Logged Interval (ft): 3850
 Formation: MS>KC>LA>MA
 Type of Drilling Fluid: CHEMICAL MUD DISPLACED ABOVE 3800'
 Region: NESS
 Drilling Completed: K.B. Elevation (ft): 2666
 Total Depth (ft): RTD
 Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: MULL DRILLING COMPANY
 Address: MULL DRILLING COMPANY

GEOLOGIST

Name: Blake Miller
 Company: Blake S. Miller - Wellsite & Consulting Geologist
 Address: 235 N. Zelta
 Wichita, KS 67206

COMMENTS

Surface Casing: 6 joints 8 5/8" 20# surf csg (236.49' tally) set @ 244', w/ 170 sx common.

Production Casing:

Deviation Surveys:

Pipe Strap @ 4031': 4045.50 - 4044.76 (BOARD) = 0.74' LONG

Contractor Bit Record:
 #1) 12 1/4" PDC, BBS11466, 7-13s JET, IN @ 0, OUT @ 220', MADE 220'/1 hr, 220 ft/hr.
 #2) 7 7/8" PDC, JV5340, 5-13s JET, IN @ 220', OUT @ 3826', MADE 3606'/46.25 hr, 77.9 ft/hr
 #3) 7 7/8" TRI-CONE, RP0771, 3-14s JET, IN @ 3826', OUT @ _____

Gas Detector:
 Mud System:
 DSTs:

DSTs

DIAMOND TESTING: TIM (TESTER)

DST #1) LANSING F' (4010-4030) 5-30-45-60, (1) 2 1/4" BLO
 < BOB/2.5", (2) 1/2" BLO < BOB/4", 1300' G, 25' SOCM (8%O), 350' SM&GCO (93%O), 155' SW&GCO (83%O), 250'
 SMW&GCO (55%O), 315' SGM&OCW (3%O, 93%W), [1060-1025] FP: 108-151/161-468

DST #2) KC 1 & J' (4105-4162) 15-30-60-90, (1) 1/2" < 8", (2) 1" < BOB/15", 420' G, 145' SG&OCM (25%O), 65'
 SSGMCW (trCO), [966-973] FP: 30-52/55-106

CREWS

TOOL PUSHER: HECTOR TORRES
 DAYLIGHT DRILLER: JOHN (WALKED OFF LOCATION W/ DERRICK & SAMPLE HAND)
 EVENING DRILLER: ROSS

*2X12 hr SHIFTS (...then 1X12hr)
 **~43 HRS SPENT @ RTD 4162'

ROCK TYPES

Anhy	Shy dolo	Siltst	Shale 3
Bent	Dol	Ss	Silty dol
Brec	Gyp	Black sh	Dol lmst
Cht	Sdy lmst	Gry sh	Dol 2
Clyst	Lmst	Shale	Granite wash
Coal	Mrlst	Shysiltst	Lmst
Congl	Salt	Sitysh	Calc dol
Sdy dolo	Shale	Ss 2	Shale 3

ACCESSORIES

Chlorite	Pelec	Grysh
Dol	Pellet	Grysit
Sand	Pisolite	Lms
Silty	Plant	Sandyms
FOSSIL	Strom	Sh
Algae	Fuss	Siltstn
Amph	Oomoldic	TEXTURE
Belm	STRINGER	Boundst
Bioclst	Anhy	Chalky
Brach	Arg	Cryln
Bryozoa	Bent	Earthy
Cephal	Coal	Finexin
Coral	Dol	Grainst
Coral	Gyp	Lithogr
Echin	Ls	Microxln
Fish	Mrst	Mudxt
Forum	Siltstrg	Packst
Fossil	Ssstrg	Wackst
Gastro	Carbsh	
Oolite	Clystn	
Ostra	Dol	

