

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 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](mailto: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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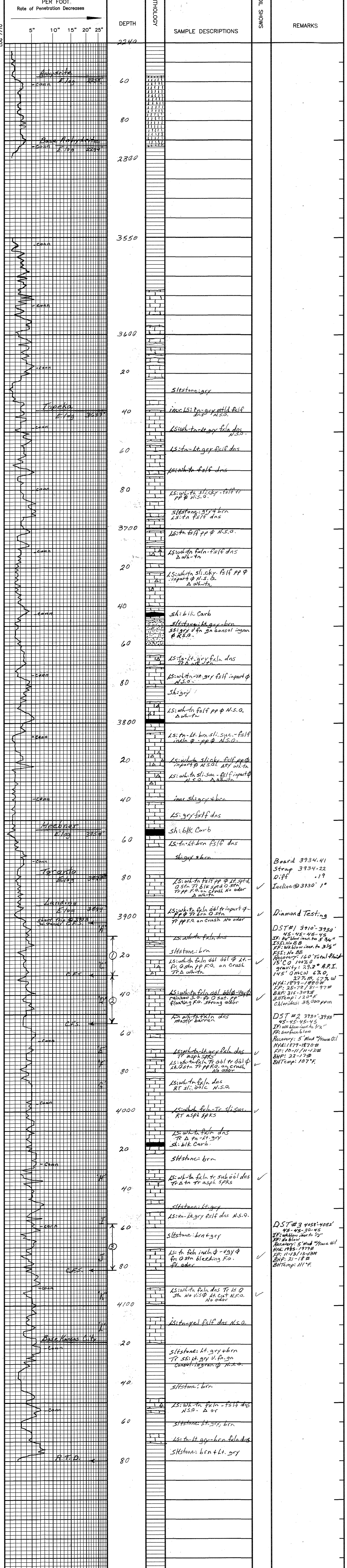
A.P.I. # 15-045-24211-00-00		GEOLOGICAL REPORT	
COMPANY RL Investment LLC		DRILLING TIME AND SAMPLE LOG	
LEASE Drilling # 7		ELEVATION KB 2615'	
FIELD Lower Northwest		DF 2613'	
LOCATION J243 E1 + 1128 E1		GL 2608'	
SEC 21 TWP 9 S RGE 25 W		Depths Measured From Log KB Drilling KB	
COUNTY Greaham STATE Kansas		CASING	
CONTRACTOR STP Drilling, LLC Rig # 1		Surface 8 5/8" ID 2616'	
SPUD 12-11-21 COMP 12-19-21		Production 5 3/4" ID	
SAMPLES SAVED FROM 3140 TO 3110		ELECTRIC LOGS F.I.	
FORMATION TOPS AND STRUCTURAL POSITION			
FORMATION	SAMPLE	E. LOG	DEPTH
Anhydrite	2257	2858	+ 357
Base Anhydrite	2293	2294	+ 321
Topoka	3639	3639	- 1024
Heabner	3855	3854	- 1238
Tosanto	3878	3878	- 1263
Lansing	3894	3894	- 1279
Base Kansas City	4119	4120	- 1505
Total Depth	4180	4180	- 1565
REFERENCE WELLS			
A P.I. Investment: Drilling # 5, 2219, E1 + 1125 E1, Sec. 21-9S-25W			
B P.I. Investment: Drilling # 7, 2210, E1 + 1125 E1, Sec. 21-9S-25W			

REMARKS  
 This well ran 4 feet lower to 4 feet higher on the Lansing top than the reference wells. After considering all pertinent information it was decided production casing would be cemented to further test the well.

Richard S. Bell  
12-20-21

### LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite





# FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269  
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0483

LOCATION Hoye

FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-20-21	33269	Drilling #7	21	9 S	25 W	Croham

CUSTOMER <u>RL Investment LLC</u>		
MAILING ADDRESS <u>2777 US Hwy 24</u>		
CITY <u>Hill City</u>	STATE <u>KS</u>	ZIP CODE <u>67642</u>

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Tom W		
#2103	Jack T		
	Proctor D		

JOB TYPE <u>DV Tool</u>	HOLE SIZE _____	HOLE DEPTH _____	CASING SIZE & WEIGHT _____
CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING _____
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

REMARKS: Safety meeting & rig up on site. Shows ran in casing hooked up head. Circulated mud for air bc. Mix 500 gal mud slush & 20 bbl of KCL water. Mix 175 sacks of DMC & flushed w/ 100 bbl water & mud. Circulated 3 hrs. Mix 500 gal mud slush. Mix 450 gal 60/40 5% gel. Set 420 down hole & 30 in rat hole. Displaced top plug with 55 #1 balls. Cement circulated.

Thanks Tom & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT
PC004	1	PUMP CHARGE DV Tool
MO02R	31	MILEAGE
MO02	30.48	Tom Mileage delivered
CB030	175 sacks	Class A Graphite 100 sack 2 gal #5
CB020	450 sacks	60/40 5% gel 1/4" 5lb-gal
FE033	1	5 1/2" AFU guide shoe
FE052	1	5 1/2" Latch down plug assembly
FE090	1	5 1/2" DV Tool Weatherford
FE013	10	5 1/2" centralizer
FE022	3	5 1/2" baskets
FE102	3	5 1/2" stop ring
FE096	32	re-lubricating Scratchers
CP014	2 gal	KCL
CP013	1000 gal	DV 1100 Mud Flush
CF003	1	Head & manifold
		1/252

AUTHORIZATION [Signature] TITLE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the cu office, and conditions of service on the back of this form are in effect for services identified on this form.







# Company: R. L. Investment, LLC

## Lease: Dreiling #7

SEC: 21 TWN: 9S RNG: 25W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
Uploading recovery & pressures

**DATE**  
December  
**16**  
2021

DST #1    Formation: L/KC "C"    Test Interval: 3910 - 3930'    Total Depth: 3930'

Time On: 21:53 12/16    Time Off: 05:31 12/17  
Time On Bottom: 00:17 12/17    Time Off Bottom: 03:17 12/17

Electronic Volume Estimate:  
175'

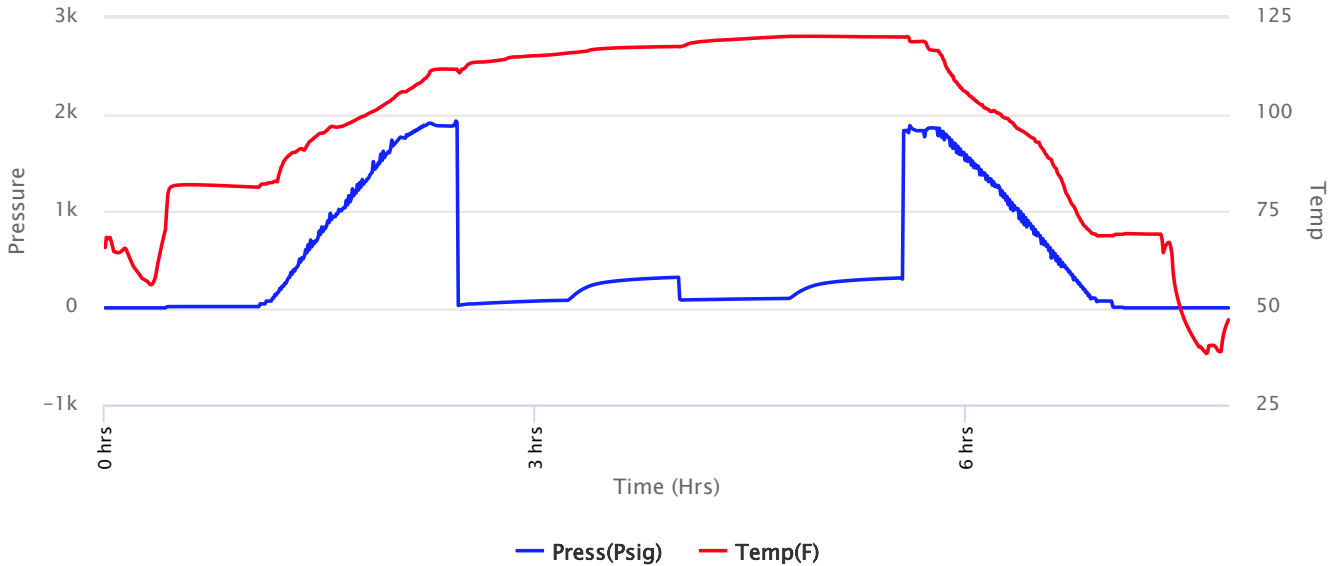
1st Open  
Minutes: 45  
Current Reading:  
5.8" at 45 min  
Max Reading: 5.8"

1st Close  
Minutes: 45  
Current Reading:  
0" at 45 min  
Max Reading: 0"

2nd Open  
Minutes: 45  
Current Reading:  
3.5" at 45 min  
Max Reading: 3.5"

2nd Close  
Minutes: 45  
Current Reading:  
0" at 45 min  
Max Reading: 0"

Inside Recorder





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## Lease: Dreiling #7

SEC: 21 TWN: 9S RNG: 25W  
 County: GRAHAM  
 State: Kansas  
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 Elevation: 2608 EGL  
 Field Name: Emor NW  
 Pool: Infield  
 Job Number: 543  
 API #: 15-065-24211

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 December  
**16**  
 2021

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Time On: 21:53 12/16    Time Off: 05:31 12/17  
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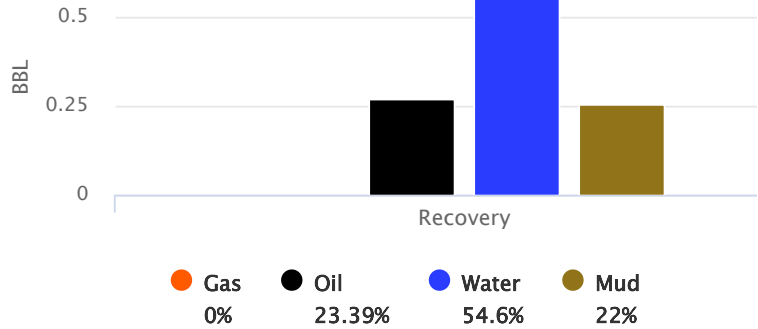
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
15	0.21345	O	0	100	0	0
145	0.9402847	SLOCMCW	0	6	67	27

Total Recovered: 160 ft  
 Total Barrels Recovered: 1.1537347

Reversed Out  
 NO

Initial Hydrostatic Pressure	1879	PSI
Initial Flow	25 to 78	PSI
<b>Initial Closed in Pressure</b>	<b>315</b>	<b>PSI</b>
Final Flow Pressure	81 to 97	PSI
<b>Final Closed in Pressure</b>	<b>309</b>	<b>PSI</b>
Final Hydrostatic Pressure	1880	PSI
Temperature	120	°F
Pressure Change Initial Close / Final Close	2.1	%

Recovery at a glance



GIP cubic foot volume: 0





**Company: R. L. Investment,  
LLC**

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County: GRAHAM  
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Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
December  
**16**  
2021

**DST #1      Formation: L/KC "C"      Test Interval: 3910 -      Total Depth: 3930'**  
**3930'**  
Time On: 21:53 12/16      Time Off: 05:31 12/17  
Time On Bottom: 00:17 12/17      Time Off Bottom: 03:17 12/17

**BUCKET MEASUREMENT:**

1st Open: 1/4" blow building to 5 3/4"

1st Close: No BB

2nd Open: Surface blow building to 3 1/2"

2nd Close: No BB

**REMARKS:**

Tool Sample: 0% Gas 2% Oil 90% Water 8% Mud

Gravity: 29.2 @ 60 °F

Ph: 7.0

Measured RW: .3 @ 52 degrees °F

RW at Formation Temp: 0.139 @ 120 °F

Chlorides: 35,000 ppm



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Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

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2021

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Time On: 21:53 12/16      Time Off: 05:31 12/17  
Time On Bottom: 00:17 12/17      Time Off Bottom: 03:17 12/17

**Down Hole Makeup**

<b>Heads Up:</b> 30.99 FT	<b>Packer 1:</b> 3905 FT
<b>Drill Pipe:</b> 3787.79 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3910 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3894.42 FT
<b>Collars:</b> 120.63 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3912 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> 20	<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> 0 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> 19 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,  
LLC**

**Lease: Dreiling #7**

SEC: 21 TWN: 9S RNG: 25W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: STP Drilling, LLC -  
Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
December  
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2021

**DST #1      Formation: L/KC "C"      Test Interval: 3910 -      Total Depth: 3930'**  
**3930'**

Time On: 21:53 12/16      Time Off: 05:31 12/17  
Time On Bottom: 00:17 12/17      Time Off Bottom: 03:17 12/17

### **Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.1      **Viscosity:** 48      **Filtrate:** 7.2      **Chlorides:** 3,000 ppm





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Time On: 21:53 12/16      Time Off: 05:31 12/17  
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### Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



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County: GRAHAM  
State: Kansas  
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Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
Uploading recovery & pressures

**DATE**  
December  
**17**  
2021

**DST #2    Formation: L/KC "D"    Test Interval: 3930 - 3955'    Total Depth: 3955'**

Time On: 11:55 12/17    Time Off: 19:21 12/17  
Time On Bottom: 13:39 12/17    Time Off Bottom: 16:39 12/17

Electronic Volume Estimate:  
24'

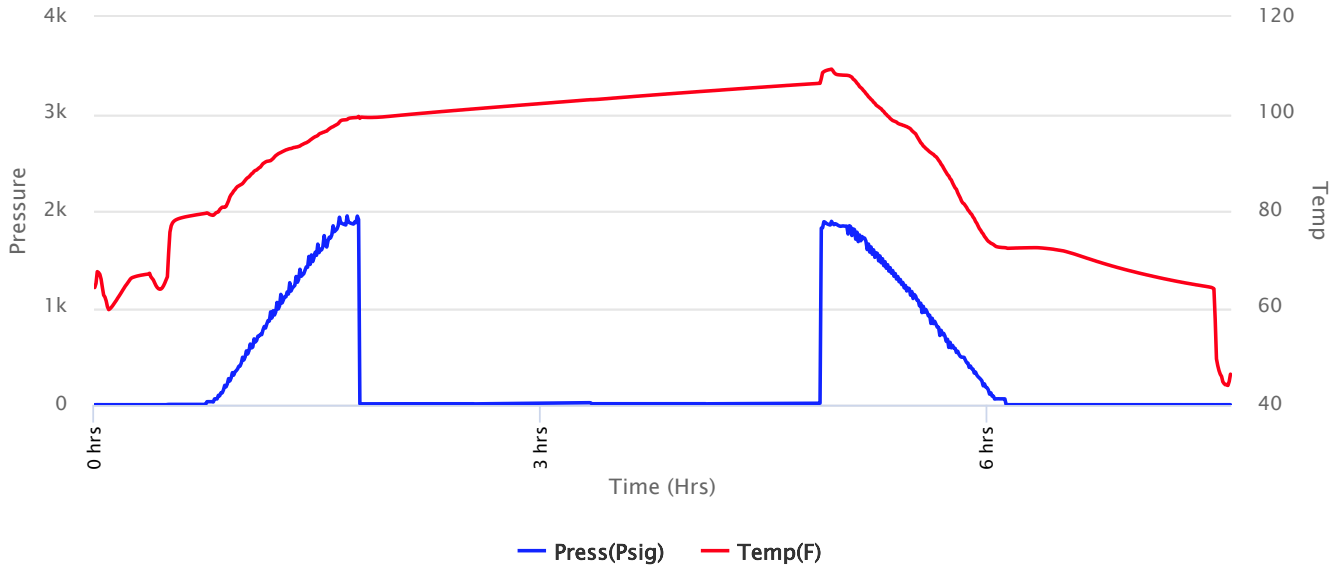
1st Open  
Minutes: 45  
Current Reading: .8" at 45 min  
Max Reading: .8"

1st Close  
Minutes: 45  
Current Reading: 0" at 45 min  
Max Reading: 0"

2nd Open  
Minutes: 45  
Current Reading: 0" at 45 min  
Max Reading: 0"

2nd Close  
Minutes: 45  
Current Reading: 0" at 45 min  
Max Reading: 0"

Inside Recorder





# Company: R. L. Investment, LLC

## Lease: Dreiling #7

SEC: 21 TWN: 9S RNG: 25W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
Uploading recovery & pressures

**DATE**  
December  
**17**  
2021

**DST #2**    **Formation: L/KC "D"**    **Test Interval: 3930 - 3955'**    **Total Depth: 3955'**

Time On: 11:55 12/17    Time Off: 19:21 12/17  
Time On Bottom: 13:39 12/17    Time Off Bottom: 16:39 12/17

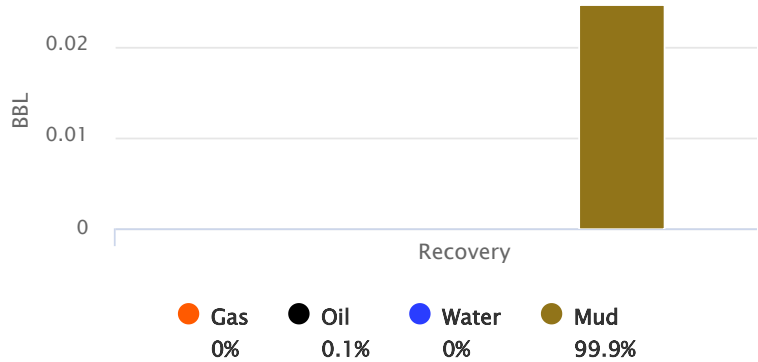
### Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	M (trace O)	0	.1	0	99.9

Total Recovered: 5 ft  
Total Barrels Recovered: 0.0246

Reversed Out  
NO

### Recovery at a glance



Initial Hydrostatic Pressure	1879	PSI
Initial Flow	10 to 11	PSI
<b>Initial Closed in Pressure</b>	<b>22</b>	<b>PSI</b>
Final Flow Pressure	11 to 12	PSI
<b>Final Closed in Pressure</b>	<b>17</b>	<b>PSI</b>
Final Hydrostatic Pressure	1870	PSI
Temperature	107	°F
Pressure Change Initial Close / Final Close	25.5	%

GIP cubic foot volume: 0





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LLC**

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County: GRAHAM  
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Drilling Contractor: STP Drilling, LLC -  
Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

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2021

**DST #2      Formation: L/KC "D"      Test Interval: 3930 -      Total Depth: 3955'**  
**3955'**

Time On: 11:55 12/17      Time Off: 19:21 12/17  
Time On Bottom: 13:39 12/17      Time Off Bottom: 16:39 12/17

**BUCKET MEASUREMENT:**

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

1st Close: No BB

2nd Open: Surface blow

2nd Close: No BB

**REMARKS:**

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



**Company: R. L. Investment, LLC**

**Lease: Dreiling #7**

SEC: 21 TWN: 9S RNG: 25W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
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Time On: 11:55 12/17      Time Off: 19:21 12/17  
Time On Bottom: 13:39 12/17      Time Off Bottom: 16:39 12/17

**Down Hole Makeup**

<b>Heads Up:</b> 10.99 FT	<b>Packer 1:</b> 3925 FT
<b>Drill Pipe:</b> 3787.79 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3930 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3914.42 FT
<b>Collars:</b> 120.63 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3932 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> 25	<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> 0 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> 24 FT <i>4 1/2-FH</i>	



**Company: R. L. Investment,  
LLC**

**Lease: Dreiling #7**

SEC: 21 TWN: 9S RNG: 25W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: STP Drilling, LLC -  
Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
December  
**17**  
2021

**DST #2      Formation: L/KC "D"      Test Interval: 3930 -      Total Depth: 3955'**  
**3955'**

Time On: 11:55 12/17      Time Off: 19:21 12/17  
Time On Bottom: 13:39 12/17      Time Off Bottom: 16:39 12/17

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.1      **Viscosity:** 47      **Filtrate:** 7.2      **Chlorides:** 3,000 ppm





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**Lease: Dreiling #7**

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**3955'**

Time On: 11:55 12/17                      Time Off: 19:21 12/17  
Time On Bottom: 13:39 12/17    Time Off Bottom: 16:39 12/17

**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



# Company: R. L. Investment, LLC

## Lease: Dreiling #7

SEC: 21 TWN: 9S RNG: 25W  
County: GRAHAM  
State: Kansas  
Drilling Contractor: STP Drilling, LLC - Rig 1  
Elevation: 2608 EGL  
Field Name: Emor NW  
Pool: Infield  
Job Number: 543  
API #: 15-065-24211

**Operation:**  
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**DATE**  
December  
**18**  
2021

**DST #3    Formation: L/KC "J"    Test Interval: 4058 - 4082'    Total Depth: 4082'**

Time On: 13:17 12/18    Time Off: 19:57 12/18  
Time On Bottom: 15:24 12/18    Time Off Bottom: 18:09 12/18

Electronic Volume Estimate:  
25'

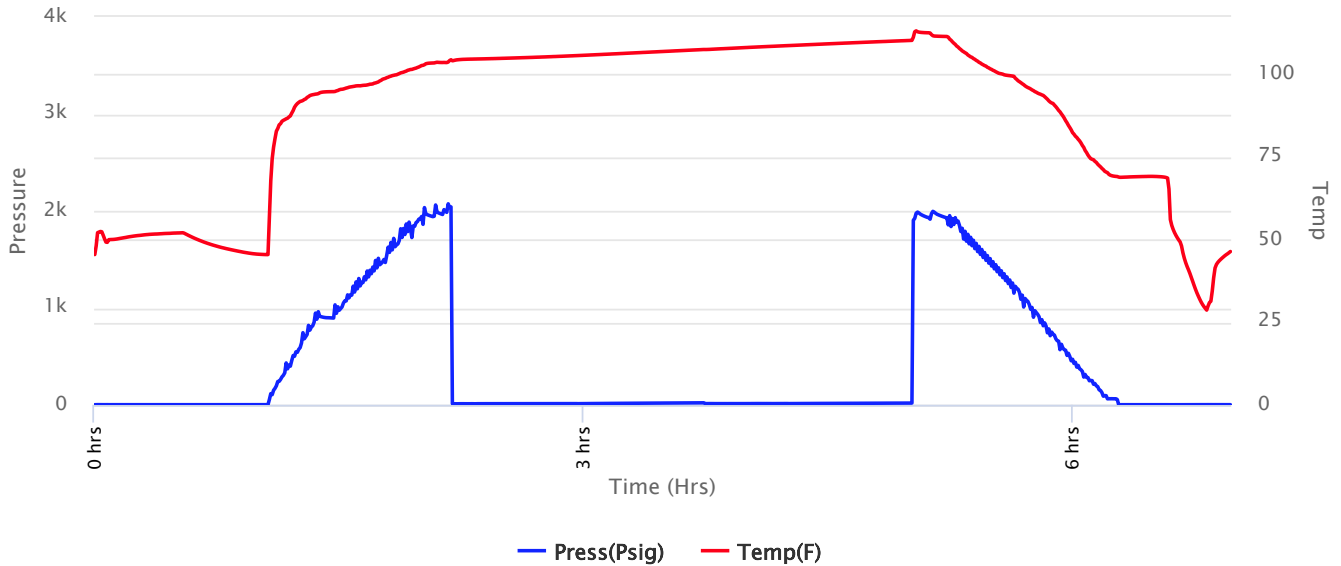
1st Open  
Minutes: 45  
Current Reading: .7" at 45 min  
Max Reading: .8"

1st Close  
Minutes: 45  
Current Reading: 0" at 45 min  
Max Reading: 0"

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

2nd Close  
Minutes: 45  
Current Reading: 0" at 45 min  
Max Reading: 0"

Inside Recorder





**Company: R. L. Investment, LLC**

**Lease: Dreiling #7**

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 Elevation: 2608 EGL  
 Field Name: Emor NW  
 Pool: Infield  
 Job Number: 543  
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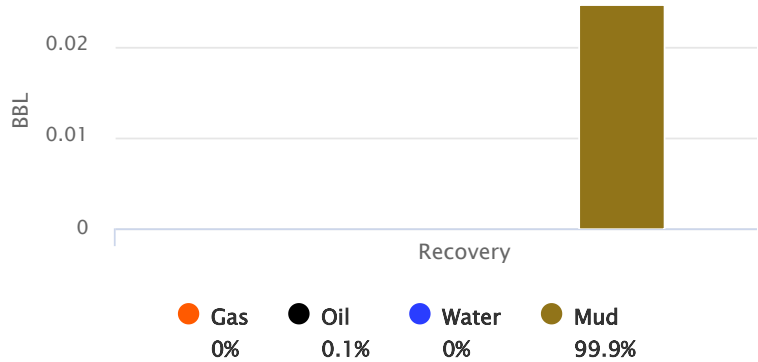
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	M (trace O)	0	.1	0	99.9

Total Recovered: 5 ft  
 Total Barrels Recovered: 0.0246

**Reversed Out  
 NO**

**Recovery at a glance**



Initial Hydrostatic Pressure	1985	PSI
Initial Flow	11 to 13	PSI
<b>Initial Closed in Pressure</b>	<b>21</b>	<b>PSI</b>
Final Flow Pressure	13 to 13	PSI
<b>Final Closed in Pressure</b>	<b>18</b>	<b>PSI</b>
Final Hydrostatic Pressure	1979	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	13.0	%

GIP cubic foot volume: 0



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**DST #3      Formation: L/KC "J"      Test Interval: 4058 -      Total Depth: 4082'**  
**4082'**

Time On: 13:17 12/18      Time Off: 19:57 12/18  
Time On Bottom: 15:24 12/18      Time Off Bottom: 18:09 12/18

**BUCKET MEASUREMENT:**

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

1st Close: No BB

2nd Open: No blow

2nd Close: No BB

**REMARKS:**

Tool Sample: 0% Gas .5% Oil 0% Water 99.5% Mud



# Company: R. L. Investment, LLC

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### Down Hole Makeup

<b>Heads Up:</b> 9.209999999999999 FT	<b>Packer 1:</b> 4053 FT
<b>Drill Pipe:</b> 3914.01 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4058 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4042.42 FT
<b>Collars:</b> 120.63 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4060 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> 24	<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> 0 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> 23 FT <i>4 1/2-FH</i>	



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### **Mud Properties**

**Mud Type:** Chemical    **Weight:** 9.1    **Viscosity:** 47    **Filtrate:** 7.2    **Chlorides:** 3,000 ppm





**Company: R. L. Investment,  
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