



1366561

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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				

- Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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>			PRODUCTION INTERVAL: Top _____ Bottom _____	

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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# HUGHES DRILLING REPORT

Fr. Co., Kansas  
865 FSL 3070 FEL

Well No. I-2  
Farm W. Broers  
Size 6 1/4  
Feet 31  
Circulated 12 sx cement

PERMANENT CSG.  
Size 2 3/8 81d FIVE LINE  
Feet 783.15 of pipe float shale on bottom

API # 15-059-27154  
Sec 2 TWP 16 R 20

OPERATOR Hughes Drilling

T. D. at Completion PS  
Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
28	clay	30
9	shale	39
24	lime	63
6	shale	69
11	lime	80
8	shale	88
18	lime	106
46	shale	152
28	lime	180
17	shale	197
2	sand	199
40	shale	239
33	lime	262
18	shale	280
6	lime	286
29	shale	315
12	lime	327
21	shale	348
30'	24 lime	372
	9 shale	381
20'	24 lime	405
	4 shale	409
	4 lime	413
	2 shale	415
"Horton"	6 lime	421
	11 shale	532
	3 sand	535
	35 shale	570
	4 lime	574
	16 shale	590
	10 lime	600
	10 shale	610
	3 lime	613
	9 shale	622
	9 lime	631
	12 shale	643
	2 lime	645
	8 shale	653
	8 lime	661
	12 shale	673

DATE	DRILLED		REMARKS -- TYPE WORK -- BILLING REF.	PIPE TALLY
	FROM	TO		
7/13/17	0	2	soil	① 21.5- 21.5
31	2	30	clay	② 22.5- 44.0
7/14/17	30	39	shale	③ 22.5- 66.5
5 1/8 PDC	39	63	lime	④ 22.5- 89.0
	63	69	shale (slate 68-69)	⑤ 22.5- 111.5
	69	80	lime	⑥ 22.5- 134.0
	80	88	shale	⑦ 22.5- 156.5
	88	106	lime	⑧ 22.5- 179.0
	106	152	shale	⑨ 22.5- 201.5
	152	180	lime	⑩ 22.5- 224.0
	180	197	shale	⑪ 22.5- 246.5
	197	199	sand	⑫ 22.5- 269.0
	199	239	shale	⑬ 22.5- 291.5
	239	262	lime	⑭ 22.5- 314.0
	262	280	shale	⑮ 22.5- 336.5
	280	286	lime	⑯ 22.5- 359.0
	286	315	shale (Broken 305-307)	⑰ 22.5- 381.5
	315	327	lime	⑱ 22.5- 404.0
	327	348	shale (lime break 331-332)	⑲ 22.5- 426.5
30'	348	372	lime	⑳ 22.5- 449.0
	372	381	shale (slate 372-373)	㉑ 22.5- 471.5
20'	381	405	lime	㉒ 22.5- 494.0
	405	409	shale (slate 405-406)	㉓ 22.5- 516.5
	409	413	lime	㉔ 22.5- 539.0
	413	415	shale	㉕ 22.5- 561.5
"Horton"	415	421	lime	㉖ 22.5- 584.0
	421	532	shale (Broken 424-427)	㉗ 22.5- 606.5

# HUGHES DRILLING REPORT

Fr Co., Kansas  
865 FSL 3070 FEL

Well No. #T-2  
Farm W. Brooks  
SURFACE CASING Size  
PERMANENT CSG. Size  
Feet  
Circulated \_\_\_\_\_ sx cement

API # 15-059-27154  
Sec 2 TWP 16 R 20

OPERATOR \_\_\_\_\_  
T. D. at Completion 793  
Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Lime	625
6	Shale	681
1	Lime	682
2	Shale	684
#1 sq 16	sand	700
24	Shale	724
1	Lime	725
8	Shale	733
#2 sq 1	sand	744
33	Shale	787
1	Lime	788
5	Shale	792
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	532	535	sand	(28) 22.5 - 629.0
53	535	570	shale	(29) 22.5 - 651.5
7-17-17	570	574	Lime (Broken)	(30) 22.5 - 674.0
	574	590	Shale (sdy 579-581)	(31) 22.5 - 696.5
	590	600	Lime	(32) 22.5 - 719.0
	600	610	shale	(33) 22.5 - 741.5
	610	613	Lime	(34) 22.5 - 764.0
	613	6	Shale	(35) 22.5 - 786.5
	622	631	Lime	
	631	643	Shale	
	643	645	Lime (Brown)	
	645	653	Shale (slate 645-646)	
	653	661	Lime	
	661	673	Shale	
	673	675	Lime	
	675	681	Shale	
	681	682	Lime	
std	682	684	Shale	
Squirrel	684	700	sand (remarks pg 3)	
	700	724	Shale	
	724	725	Lime	
	725	733	shale	
#2 Squirrel	733	744	sand (remarks pg. 4)	
	744	787	Shale	
	787	788	Lime	
	788	793	Shale	
			T.D.	

7-17-17 set 783.15 of 2 7/8 8rd EUE New  
used 3 centralizers Flant shoe on latter





QES PRESSURE PUMPING LLC  
 PO Box 884, Chanute, KS 66720  
 620-431-9210 or 800-467-8676

*Soche 5501*

TICKET NUMBER 53814  
 LOCATION Oklahoma KS  
 FOREMAN Fred Maden

FIELD TICKET & TREATMENT REPORT  
 CEMENT **Invoice # 810771**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-17-17	3425	N. Broers # I-2	SW 2	16	20	FR
CUSTOMER Hughes Drilling Co.			TRUCK #			
MAILING ADDRESS 122 Main St			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 793 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 783 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug  
 DISPLACEMENT 4.55 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Hold Safety Meeting. Establish Circulation Mix + Pump  
100 # Gel Flush. Mix + Pump 5ks Per Blend 1 A  
Cement 270 gal 1/4" Fla Seal /sk. Cement to Surface.  
Flush pump + lines clean. Displace 2 1/2" Rubber Plug  
to casing TD. Pressure to 500# PSI. Hold + Monitor  
pressure for 30 min MIT. Release pressure to set  
Float Valve Shut in casing.

Customer Supplied Water Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	467 1500 <sup>00</sup>	
CE0002	15 mi	MILEAGE	467 1072 <sup>50</sup>	
CE0711	Minimum	Ten Miles Delivery	804 660 <sup>00</sup>	
		Sub Total	2267 <sup>25</sup>	
		less 55%		1020 <sup>26</sup>
13228 CE5846	1045ks	Per Blend 1A Cement	1404 <sup>00</sup>	
CC5965	275 <sup>#</sup>	Bentonite Gel	82 <sup>50</sup>	
CC6075	26 <sup>#</sup>	Cello Flake	52 <sup>00</sup>	
CP5176	1	2 1/2" Rubber Plug	45 <sup>00</sup>	
		Sub Total	1583 <sup>50</sup>	
		less 55%		712 <sup>58</sup>
		SALES TAX		57 <sup>01</sup>
		ESTIMATED TOTAL		1789 <sup>85</sup>

Revin 3737 AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 8/3/17

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.