

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1366562  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
November 2016

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: \_\_\_\_\_

1366562

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
--	---

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) (Submit ACO-4)</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:	
----------------	-------	---------	------------	--



# HUGHES DRILLING REPORT

Well No. I-3

Farm W. Broers

SURFACE CASING

Size 6 1/4"

Feet 35'

Circulated 12 sx cement

PERMANENT CSG

Size 7 7/8 8 1/2 EUE (New)

Feet 782.45 of pipe  
With Flare shoe on Bottom

T. D. at Completion 797'

Contractor HUGHES DRILLING CO.

Fr 1245 Co., Kansas  
FSL 3070 FEL

API # 15-059-27155

Sec. 2 Twp. 16 R. 20

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
30	Clay	32
1	Gravel	33
25	Lime	38
6	Shale	64
12	Lime	76
6	Shale	82
19	Lime	101
65	Shale	166
17	Lime	183
55	Shale	238
23	Lime	261
15	Shale	276
7	Lime	283
29	Shale	312
12	Lime	324
20	Shale	344
30'	24 Lime	368
	9 Shale	377
20'	23 Lime	400
	4 Shale	404
	4 Lime	408
	2 Shale	410
"Hertma"	6 Lime	416
	11 Shale	527
	2 Sand	529
	37 Shale	566
	4 Lime	570
	15 Shale	585
	10 Lime	595
	8 Shale	603
	6 Lime	609
	7 Shale	616
	7 Lime	623
	14 Shale	637
	3 Lime	640
	7 Shale	647
	10 Lime	657
	9 Shale	665
	3 Lime	668
	10 Shale	678

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/18/17	0	2	Soil	① 21.5-21.5
35'	2	32	Clay	② 22.5-44.0
7/19/17	32	33	Gravel	③ 22.5-66.5
5/8 PDC	33	58	Lime	④ 22.5-89.0
	58	64	Shale (Slate 63-64)	⑤ 22.5-111.5
	64	76	Lime	⑥ 22.5-134.0
	76	82	Shale	⑦ 22.5-156.5
	82	101	Lime	⑧ 22.5-179.0
	101	166	Shale	⑨ 22.5-201.5
	166	183	Lime	⑩ 22.5-224.0
	183	238	Shale (Lime 93-94)	⑪ 22.5-246.5
	238	261	Lime	⑫ 22.5-268.0
	261	276	Shale (BRK 267-269)	⑬ 22.5-281.5
	276	283	Lime	⑭ 22.5-314.0
	283	312	Shale	⑮ 22.5-336.5
	312	324	Lime	⑯ 22.5-359.0
	324	344	Shale (Lime Break 328-329)	⑰ 22.5-381.5
30'	344	368	Lime	⑱ 22.5-404.0
	368	377	Shale (Slate 375-376)	⑲ 22.5-426.9
20'	377	400	Lime	⑳ 22.5-449.0
	400	404	Shale (Slate 400-401)	㉑ 22.5-471.5
	404	408	Lime	㉒ 22.5-494.0
	408	410	Shale	㉓ 22.5-516.5
"Hertma"	410	416	Lime	㉔ 22.5-539.0
	416	527	Shale (Broken 420-424)	㉕ 22.5-561.5
"Peru"	527	529	Sand (slight odor)	㉖ 22.5-584.0
	529	566	Shale	㉗ 22.5-606.5

# HUGHES DRILLING REPORT

FC. Co., Kansas (157)  
 1245 FSL 3070 FEL  
 API # 15-099-27155  
 Sec 2 TWP. 16 R. 20

SURFACE CASING

PERMANENT CSG.

Well No. I-3

Size.....

Size.....

Farm W. Brooks

Feet.....

Feet.....

Circulated \_\_\_\_\_ sx cement

T. D. at Completion 792'

Contractor HUGHES DRILLING CO.

OPERATOR .....

STRATA THICKNESS	FORMATION DRILLED	T.D.
15	sand	693
13	Shale	706
1	Lime	707
21	Shale	728
2	Lime	730
10	sand	740
32	Shale	772
1	Lime	773
19	Shale	792
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	566	570	Lime	(28) 22.5-629.0
	570	585	Shale (BRKN 574-577)	(29) 22.5-651.5
	585	595	Lime	(30) 22.5-674.0
	595	603	Shale	(31) 22.5-696.5
	603	609	Lime	(32) 22.5-719.0
	609	616	Shale	(33) 22.5-741.5
	616	623	Lime	(34) 22.5-764.0
	623	637	Shale	(35) 22.5-786.5
	637	640	Lime (Brown)	
	640	647	Shale (slate 640-641)	
	647	657	Lime	
	657	665	Shale	
	665	668	Lime	
	668	678	Shale	
	678	693	Sand	
	693	706	Shale	
	706	707	Lime	
	707	728	Shale	
	728	730	Lime	
	730	740	Sand	
	740	792	Shale	
			T.D.	
			7-20-47 set 782.45 at 2 7/8" 80' EUE	
			used 3 centralizers	
			And float shoe on Bottom	

(New)

HUGHES DRILLING CO.

CORE TIME

Lease # I-3 w. Boery

Formation #1 squirrel

Date 7/19/17 RPM chip sample

FROM	TO	TIME	MINUTES	REMARKS
678	679	LT. Brown sand lamin, w/shale		(Bleed)
679	680	LT. Brown sand		solid (Bleed)
680	681	}	680-684	solid sand (exc. bleed)
681	682			
682	683			
683	684			
684	685	- Sand very lamin, w/shale		(Bleed)
685	686	}	685-689	sand slightly lamin, w/shale
686	687			
687	688			
688	689	}		(Bleed)
689	690			
690	691	}		shale
691	692			
692	693			
693	694			
694	695			
695	696			(Best Perf Zone 680-689 cont)



8023/520

TICKET NUMBER 50457  
 LOCATION Oftawa  
 FOREMAN Alan Mader

PO Box 884, Chanute, KS 66720  
 620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

Invoice # 810789

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-20-17	3425	N. Broens #9	SW 3	16	20	FL
CUSTOMER Hughes Drilling			TRUCK #			
MAILING ADDRESS 122 Main			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 792 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 782 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI 800 MIX PSI 200 RATE 4.5 gpm

REMARKS: Held meeting, mixed & pumped 100 # gel followed by 105.5k PB IA plug 2% gel & 1/4# flo seal per sack. Circulated cement. Flushed pump. Pumped plug to casing TD. Set float.

Hughes water

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	150.00	
CE0002	15	MILEAGE	107.25	
CE0711	min	Ten miles	860.00	
		Sub	2267.25	
		less 55%	-1246.99	1020.26
CC5840	105	PB 1-A	1417.50	
CC5965	276	gel	82.80	
CC6075	26	flo seal	52.00	
CP8176	1	2 1/2 plug	45.00	
		Sub	1597.30	
		less 55%	-878.52	718.78
		8%		
		SALES TAX		57.50
		ESTIMATED TOTAL		1796.58
				(3992.33)

Ravin 3737

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.