

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1271064  
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: \_\_\_\_\_

1271064

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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# HUGHES DRILLING REPORT

Well No. I-7 Size 7"  
 Farm N. McMillen Feet 26  
 Circulated 10 ex cement

PERMANENT CSG.  
 Size 2 7/8 8'1" EUE (NEW)  
 Exp 804.80 of pipe  
 Baffle at 723 float shoe on Bottom

T. D. at Completion 819  
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
19	clay	22
25	shale	37
24	lime	61
6	shale	67
11	lime	78
7	shale	85
20	lime	105
20	shale	125
7	sand	132
11	shale	143
31	lime	174
62	shale	236
23	lime	259
18	shale	277
6	lime	283
27	shale	310
12	lime	322
22	shale	344
24	lime	368
9	shale	377
20'	23	lime 400
	4	shale 404
	4	lime 408
	2	shale 410
"Hertha"	6	lime 416
	113	shale 529
	4	lime 533
	31	shale 564
	14	lime 576
	5	sand 581
	4	shale 585
	9	lime 594
	9	shale 603
	4	lime 607
	10	shale 617
	7	lime 624
	14	shale 638
	3	lime 641
	3	shale 644

DATE	DRILLED		REMARKS - TYPES WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
10/19/15	0	3	Soil	(1) 21.5-21.5
26'	3	22	clay	(2) 22.5-44.0
10/20/15	22	37	shale	(3) 22.5-66.5
558	37	61	lime	(4) 22.5-89.0
PDC Bit	61	67	shale (slate 61-62)	(5) 22.5-111.5
	67	78	lime	(6) 22.5-134.0
	78	85	shale	(7) 22.5-156.5
	85	105	lime	(8) 22.5-179.0
	105	125	shale	(9) 22.5-201.5
	125	132	sand	(10) 22.5-224.0
	132	143	shale	(11) 22.5-246.5
	143	174	lime	(12) 22.5-269.0
	174	236	shale (sdy 181-186)	(13) 22.5-291.5
	236	259	lime	(14) 22.5-314.0
	259	277	shale	(15) 22.5-336.5
	277	283	lime	(16) 22.5-359.0
	283	310	shale	(17) 22.5-381.5
	310	322	lime	(18) 22.5-404.0
	322	344	shale (lime 326-327)	(19) 22.5-426.5
30'	344	368	lime	(20) 22.5-449.0
	368	377	shale (slate 376-377)	(21) 22.5-471.5
20'	377	400	lime	(22) 22.5-494.0
	400	404	shale (slate 403-404)	(23) 22.5-516.5
	404	408	lime	(24) 22.5-539.0
	408	410	shale	(25) 22.5-561.5
"Hertha"	410	416	lime	(26) 22.5-584.0
	416	529	shale (BRKA 420-425) (sdy 459-463)	(27) 22.5-606.5

# HUGHES DRILLING REPORT

Well No. ~~I-7~~ I-7 Size 7"  
 Farm M. M. Miller Feet 26'  
 Circulated 10 ex cement

PERMANENT CSG.  
 Size 2 7/8 8rd EUE (New)  
 Feet 804.80 of pipe  
 Baffle at 773 float shoe on Bottom  
 T. D. at Completion 819

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
9	Lime	655
13	Shale	668
2	Lime	670
7	Shale	677
#1 sq 11	oil sand	698
5	blk sand	693
1	sdylime	694
27	shale	721
1	lime	722
5	shale	727
1	lime	728
1	shale	729
1	lime	730
1	sdylime	731
#2 sq 9	sand	740
79	shale	819
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	529	533	Lime (sdy)	(28) 225-629.0
	533	564	shale	(29) 225-651.5
	564	576	Lime	(30) 225-674.0
	576	581	sand (bleating oil)	(31) 225-696.5
	581	585	Shale	(32) 225-719.0
	585	594	Lime	(33) 225-741.5
	594	603	Shale	(34) 225-764.0
	603	607	Lime	(35) 225-786.5
	607	617	shale	(36) 225-809.0
	617	624	Lime	
	624	638	Shale	
	638	641	Lime (Brown)	
	641	646	shale (slate 641-642)	
	646	655	Lime	
	655	668	shale	
	668	670	Lime (Broken)	
	670	677	shale	
#1 squirrel	677	698	oil sand (remarks pg. 3)	
	698	693	Broken Black Sand	
	693	694	sdylime	
	694	721	shale	
	721	722	lime	
	722	727	shale	
	727	728	Lime	
	728	729	shale	
	729	730	Lime	
	730	731	sdylime	
#2 squirrel	731	740	sand (remarks pg. 4)	
	740	819	shale	
			T.D.	

10-21-15  
 Set 804.80 of 2 7/8 8rd EUE (New)  
 Baffle at 773 float shoe on Bottom  
 used 3 centralizers

# HUGHES DRILLING CO.

(Pg. 3)

Wellsville, Kansas 66092

Roger 913-883-2235  
Darrel 913-883-4027

CORE TIME

Ron 913-883-4855  
Clay 913-883-4863

LEASE N. Mendenhall #7

FORMATION #1 squirrel

DATE: 10/30/15

(~~chip~~ chip sample)

	FROM	FEET TO	TIME	MINUTES	REMARKS
①	677	678	sand		- very lamin w/shale (little bleed)
②	678	679	}		solid sand (ex. bleed)
③	679	680			
④	680	681			
⑤	681	682	}		sand very lamin w/shale (bleeding)
⑥	682	683			
⑦	683	684	}		solid sand (bleeding oil)
⑧	684	685			
⑨	685	686			
⑩	686	687			
⑪	687	688			- sand lamin w/shale (bleeding oil)
⑫	688	689	}		Broken black sand slight bleed of heavy oil
⑬	689	690			
⑭	690	691			
⑮	691	692			
⑯	692	693			
⑰	693	694	}		shale
⑱	694	695			
⑲	695	696			
⑳	696	697			

(Best Perf Zone  
678-687  
CCT)

# HUGHES DRILLING CO.

pg. 4

Wellsville, Kansas 66092

Roger 913-883-2235  
Darrel 913-883-4027

CORE TIME

Ron 913-883-4856  
Clay 913-883-4383

LEASE N. Maxwell I-7  
FORMATION #2 squirrel  
DATE: 10/26/15

(~~chip~~ chip sample)

	FROM	FEEET TO	TIME	MINUTES	REMARKS
①	730	731	-		Gray Sdy Lime
②	731	732	}		solid sand (saturated with oil but not much gas) so not much bleed
③	732	733			
④	733	734			
⑤	734	735			
⑥	735	736			
⑦	736	737			
⑧	737	738			
⑨	738	739			
⑩	739	740	-		Black sand
					(Best Perf zone 731-736 cch)





**CONSOLIDATED**  
Oil Well Services, LLC

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

46004  
4521

TICKET NUMBER 49841  
LOCATION Chanute, KS  
FOREMAN Casey Kennedy

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

**Invoice #86177**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/21/15	3425	N. McMillen # I-7	SE 2	16	20	FR
CUSTOMER <u>Hughes Drilling</u>						
MAILING ADDRESS <u>122 Main <del>Wellsville</del></u>						
CITY <u>Wellsville</u>		STATE <u>KS</u>	ZIP CODE <u>666092</u>			
TRUCK #	DRIVER	TRUCK #	DRIVER			
<u>729</u>	<u>Casey Ken</u>	<input checked="" type="checkbox"/>	<u>Safety Meeting</u>			
<u>368</u>	<u>Ala Mad</u>	<input checked="" type="checkbox"/>				
<u>558</u>	<u>Mik Har</u>	<input checked="" type="checkbox"/>				

JOB TYPE Logging HOLE SIZE 5 5/8" HOLE DEPTH 819' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 805' DRILL PIPE THRU: baffle - 773' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 30'  
 DISPLACEMENT 4.47 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100 # Gels followed by 5 bbls fresh water, mixed & pumped 115 # Portland IA cement w/ 2% gel + 1/4 # Floeal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.47 bbls fresh water, pressured to 800 PSI, well held pressure for 30 min MIT, released pressure, shut in casing.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>CE0450</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1500.00</u>	
<u>CE0002</u>	<u>15 mi</u>	<u>MILEAGE</u>	<u>107.25</u>	
<u>CE0711</u>	<u>min</u>	<u>ton mileage</u>	<u>600.00</u>	
		<u>trucks</u>	<u>2267.25</u>	
		<u>- 46%</u>	<u>1042.94</u>	
		<u>subtotal</u>		<u>1224.31</u>
<u>CC5840</u>	<u>115 sks</u>	<u>Portland IA</u>	<u>1552.50</u>	
<u>CC5965</u>	<u>293 #</u>	<u>Gel</u>	<u>87.90</u>	
<u>CC6075</u>	<u>29 #</u>	<u>Floeal</u>	<u>58.00</u>	
<u>CP8176</u>	<u>1</u>	<u>2 1/2" rubber plug</u>	<u>45.00</u>	
		<u>materials</u>	<u>1743.40</u>	
		<u>- 46%</u>	<u>801.96</u>	
		<u>subtotal</u>		<u>941.44</u>
		<u>8%</u>	<u>SALES TAX</u>	<u>75.32</u>
		<u>ESTIMATED TOTAL</u>		<u>2241.07</u>

AUTHORIZATION No Co Rep TITLE \_\_\_\_\_ DATE 4.15.12

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.