Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1224546

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5682
Name: Hughes Drilling Co, a General Partnership
Address 1: 122 MAIN
Address 2:
City: WELLSVILLE State: KS Zip: 66092 + 8522
Contact Person: Clay Hughes
Phone: (785) 883-2235
CONTRACTOR: License # 5682
Name: Hughes Drilling Co, a General Partnership
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

7/9/2014	7/11/2014	7/11/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26632-00-00
Spot Description:
NW SE SW SE Sec. 2 Twp. 16 S. R. 20 ☑ East ☐ West
370 Feet from ☐ North / ☑ South Line of Section
1846 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)*, Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Franklin
Lease Name: North McMillen Well #: I-2
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 962 Kelly Bushing: 0
Total Vertical Depth: 740 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 30 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: 30 w/ 9 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 bbls
Dewatering method used: Evaporated

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**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 09/24/2014

[redacted]

1224546

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: North McMillen Well #: I-2

Sec. 2 Twp. 16 S. R. 20 ☑ East ☐ West County: Franklin

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
No log		

CASING RECORD ☑ New ☐ 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
Surface	9	7	10	30	Portland	9	50/50 POZ
Completion	5.6250	2.8750	8	740	Portland	69	50/50 poz

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* ____________

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* ____________

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Sec. 2, Twp. 16, Rng. 20
FR Co., Kansas
370 FSL 1846 FEL
API # 15-059-26632

HUGHES DRILLING REPORT

SURFACE CASING

PERMANENT CSG.

Well No. I-2 Size 7"

Farm N. McMiller Feet 30

Circulated 9 sx cement

Size plugged well

Feet

T. D. at Completion 740

OPERATOR Hughes Drilling Co. #5682

Contractor HUGHES DRILLING CO.

DATE		DRILLED FROM	DRILLED TO	REMARKS – TYPE WORK – BILLING REF.	PIPE TALLY
7/9/14		0	3	Soil	①21.5·22.5
30'		3	25	clay	②22.5·44.0
7/10/14		25	42	shale	③22.5·66.5
		42	66	Lime	④22.5·89.0
5 5/8" PDC		66	73	shale (Dark) (slate 72-73)	⑤22.5·111.5
		73	84	Lime	⑥22.5·134.0
		84	91	shale	⑦22.5-156.5
		91	108	Lime	⑧22.5-179.0
		108	143	shale	⑨22.5·201.5
		143	175	Lime	⑩22.5 224.0 30'
		175	238	shale	⑪22.5-246.5
		238	263	Lime	⑫22.5-269.0 20'
		263	270	Gray sand	⑬22.5-291.5
		270	279	Shale	⑭22.5-314.0
		279	285	Lime	⑮22.5-336.5 "Hertha"
		285	307	shale	⑯22.5-359.0
		307	322	Lime	⑰22.5-381.5
		322	345	shale (324-327)	⑱22.5-404.0
	30'	345	369	Lime	⑲22.5-426.5
		369	377	shale (slate 376-377)	⑳22.5-449.0
	20'	377	401	Lime	㉑22.5-471.5
		401	405	shale (slate 404-405	㉒22.5-494.0
		405	409	Lime	㉓22.5-516.5
		409	411	shale	㉔22.5-539.0
	"Hertha"	411	417	Lime	㉕22.5-561.5
		417	564	shale (Brkn 420-423)(sdy 531-534)	㉖22.5-584.0
		564	567	Lime	㉗22.5-606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
22	clay	25
17	shale	42
24	Lime	66
7	shale	73
11	Lime	84
7	shale	91
17	Lime	108
35	shale	143
32	Lime	175
63	shale	238
25	Lime	263
7	Gr Sand	270
9	shale	279
6	Lime	285
22	shale	307
15	Lime	322
23	shale	345
24	Lime	369
8	shale	377
24	Lime	401
4	shale	405
4	Lime	409
2	shale	411
6	Lime	417
147	shale	564
3	Lime	567
3	shale	570
3	sand	573
12	shale	585
8	Lime	593
21	shale	614
8	Lime	622
13	shale	635
3	Lime	638
5	shale	643
8	Lime	651
14	shale	665
3	Lime	668
2	shale	670
7	Sdy shale	677

Sec. 2, Twp. 16, Rng. 20
Fr. Co., Kansas
370 FSL 1846 FEL
API # 15-059-26632

HUGHES DRILLING REPORT

SURFACE CASING
PERMANENT CSG.

Well No I-2
Size
Size plugged well
Farm N. Mcmillen
Feet
Feet
Circulated ____ sx cement

T. D. at Completion 740
OPERATOR Hughes Drilling
Contractor HUGHES DRILLING CO.

DATE		DRILLED FROM	DRILLED TO	REMARKS — TYPE WORK — BILLING REF.	PIPE TALLY
		567	570	shale	㉘ 22.5 - 629.0
		570	573	sand (Bleeding oil)	㉙ 22.5 - 651.5
		573	585	shale	㉚ 22.5 - 674.0
		585	593	Lime	㉛ 22.5 - 696.5
		593	614	Shale (BRKN 600-602)	㉜ 22.5 - 719.0
		614	622	Lime	
		622	635	shale	
		635	638	Lime (Brown)	
		638	643	shale (Slate 638-639)	
		643	651	Lime	
		651	665	shale	
691		665	668	Lime (Hard slight odor)	
7/11/14		668	670	Shale	
		670	677	sdy shale	
		677	682	lt Brown sand	
#1 squirrel		682	683	sdy Lime } remarks pg. 3	
		683	686	Broken sand	
		686	718	shale	
		718	719	Lime	
		719	726	shale (LimeBreak 724)	
		726	727	Lime	
#2 squirrel		727	733	Lt Brown sand	
		733	740	shale	
			T.D.		

	STRATA THICKNESS	FORMATION DRILLED	T.D.
	5	lt. Br. Sand	682
	1	Sdy Lime	683
	3	BrKsand	686
	32	shale	718
	1	Lime	719
	7	Shale	726
	1	Lime	727
#2 Sq.	6	LT Brown Sand	733
	7	shale	740
			TD

7/11/14 - Plugged Hole (Consolidated Oilwell Servi
15 sx cement from T.D 740' to 625'
10 sx cement at 575'
10 sx cement at 425'
cement from 250' to surface

~~start core~~
~~19 jts on trailer~~
~~[illegible]~~
~~K.D [illegible]~~
~~[illegible]~~

HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

Ron 913-883-4655
Clay 913-883-4363

CORE TIME

LEASE N. Mcmillen I-2
FORMATION #1 squirrel
DATE: 7-10-14

(3" shake Bit)

FEET FROM	FEET TO	TIME	MINUTES	REMARKS
670	671	chip sample		Sdy shale Thin streaks of sand (oil Tra.
① 671	672	1:10:00 - 1:11:15	1:15	
② 672	673	1:12:15	1:00	
③ 673	674	1:13:15	1:00 Stop Add joint	
④ 674	675	1:19:00 - 1:20:00	1:00	
⑤ 675	676	1:20:45	:45	
⑥ 676	677	1:22:00	1:15	
⑦ 677	678	1:23:00	1:00	lt Brown sand 677-682
⑧ 678	679	1:23:45	:45	
⑨ 679	680	1:24:45	1:00	
⑩ 680	681	1:25:45	1:00	
⑪ 681	682	1:26:45	1:00	
⑫ 682	683	1:28:00	1:15	Sdy Lime (No Oil)
⑬ 683	684	1:28:45	:45	Sand lamin w/shale (Bleeding Oil)
⑭ 684	685	1:29:45	1:00	
⑮ 685	686	1:30:30	:45	
⑯ 686	687	1:31:30	1:00	Shale
⑰ 687	688	1:32:30	1:00	
⑱ 688	689	1:33:30	1:00	
⑲ 689	690	1:34:30	1:00	
⑳ 690	691	1:35:30	1:00	

(No Good)

CCH

CONSOLIDATED
Oil Well Services, LLC

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

269717

TICKET NUMBER 47460
LOCATION Ottawa
FOREMAN Alan Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-11-14	3425	N. McMillen I-2	SE 2	16	20	Fr

CUSTOMER Hughes Drilling
MAILING ADDRESS 122 Main
CITY Wellsville STATE KS ZIP CODE 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
730	AlaMad	Safety Meet	
666	Kei Car		
558	MatCoc		

JOB TYPE plug HOLE SIZE 5 5/8 HOLE DEPTH 740 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: Held meeting. Established rate. Mixed & pumped 15 sk 50/50 cement plus 6% gel down drill steel at hole T.D. Pulled steel to 575'. Spotted 10 sk cement. Pulled steel to 425'. Spotted 10 sk. Pulled steel to 250'. Filled hole to surface. Topped off well.

69 Total

Eric, Hughes water

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	666		1085.00
5406	15	MILEAGE	666		63.00
5407	min	ton miles	558		368.00
1124	69	50/50 cement		793.50	
1118B	348	gel		76.56	
			material sub	870.06	
			less 30%	-261.02	
			material total		609.04
		2452.62			
				SALES TAX	46.59
				ESTIMATED TOTAL	2171.63

Ravin 3737

AUTHORIZTION Clay 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 for