

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

*Handwritten signature and date: 10/21/08*

Operator: License # 5682  
Name: Hughes Drilling Co.  
Address: 122 N. Main  
City/State/Zip: Wellsville, Ks. 66092  
Purchaser: CMT  
Operator Contact Person: Carl (Clay) Hughes  
Phone: (785) 883-2235  
Contractor: Name: company tools  
License: 5682  
Wellsite Geologist: none

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

<u>5/5/08</u>	<u>5/9/08</u>	<u>6/23/08</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 019-23239 *091-23239-0000*  
County: Johnson  
NE NE SE SW Sec. 36 Twp. 14 S. R. 21  East  West  
1010 feet from S / N (circle one) Line of Section  
2840 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: McKaughan Well #: 5  
Field Name: Gardner  
Producing Formation: Bartlesville  
Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
Total Depth: 910 Plug Back Total Depth: 902.5  
Amount of Surface Pipe Set and Cemented at 22.8 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 902.5  
feet depth to surface \_\_\_\_\_ w/ 156 \_\_\_\_\_ sx crnt.

Drilling Fluid Management Plan AH II MC  
(Data must be collected from the Reserve Pit) 12-11-08  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Carl C. Hughes  
Title: partner Date: 10/17/08  
Subscribed and sworn to before me this 17 day of October,  
2008.  
Notary Public: Gerlyn K. Green  
Date Commission Expires: 9/25/2009

**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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KANSAS CORPORATION COMMISSION  
**OCT 20 2008**

NOTARY PUBLIC  
STATE OF KANSAS  
GERLYN K. GREEN  
My Appt. Exp. 9/25/2009

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Hughes Drilling Co. Lease Name: McKaughan Well #: 5  
 Sec. 36 Twp. 14 S. R. 21  East  West County: Johnson

**INSTRUCTIONS:** Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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  
 (Submit Copy)

List All E. Logs Run:

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Hertha	395	401
Bartlesville	857	863

**Gamma Ray/ Neutron**

CASING RECORD <input type="checkbox"/> New <input checked="" 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
surface	11'	7"	16	<del>902.5</del> 12.80	portland	58	
production	5 5/8	2 7/8	7	902.5	50/50 poz	156	2% gel

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				

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
3	19 perms-858'-864'-2" DML-RTG	fracture-5800# sand	858-864

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*Per telecon. w/ oper. on 11/05/08*

TUBING RECORD		Size	Set At	Packer At	Liner Run	CONSERVATION DIVISION WICHITA, KS	
					<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method					
6/24/08		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	2	trace	1		19		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_

CONSOLIDATED OIL WELL SERVICES, INC.

P.O. BOX 884, CHANUTE, KS 66720

620-431-9210 OR 800-467-8676

TICKET NUMBER 16056

LOCATION Ottawa

FOREMAN Alan Mader

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-9-08	3425	McKaughan #5	36	14	21	SO
CUSTOMER Hughes Drilling			TRUCK #			
MAILING ADDRESS 122 Main			DRIVER			
CITY Wellsville		STATE KS	ZIP CODE 66092	TRUCK #		
			DRIVER			

JOB TYPE long string HOLE SIZE 6" HOLE DEPTH 910 CASING SIZE & WEIGHT 2 1/8  
 CASING DEPTH 900' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING YES  
 DISPLACEMENT 5 1/4 DISPLACEMENT PSI 750 MIX PSI 200 RATE 4 bpm

REMARKS: Established rate. Mixed & pumped 100# gel to flush hole. Mixed & pumped 159 sx 50/50 poz, 270 gel. Circulated cement to surface. Flushed pump. Pumped 2 1/2 plug to pin @ 900'. Well held 750 PSI. Closed valve.

Customer supplied water

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	875.00
5406	25	MILEAGE	368	86.25
5402	900'	casing footage	368	—
5407	min	ten miles	503	300.00
111813	367#	gel		58.72
1124	156 sx	50/50 poz		1450.80
4402	1	2 1/2 plug		21.00
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			OCT 20 2008	2796.77
			CONSERVATION COMMISSION	
			Wichita, KS	
			6.4	SALES TAX 97.95
				ESTIMATED TOTAL # 2889.72

AUTHORIZATION Cly Hughes

TITLE 222030

DATE \_\_\_\_\_

# HUGHES DRILLING REPORT

Well No. 5  
 Farm McKean  
 SURFACE CASING Size 7"  
 Feet 22.80  
 Circulated 8 sx cement

PERMANENT CSG. Size 2 7/8  
 Feet 900'  
 T. D. at Completion 910  
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
14	clay	16
26	shale	42
5	Lime	47
3	shale	50
15	lime	65
7	shale	72
11	lime	83
4	shale	87
18	lime	105
16	shale	121
3	sand	124
7	shale	131
22	lime	153
31	shale	184
13	lime	196
26	shale	222
7	lime	229
7	shale	236
11	lime	247
19	shale	266
8	lime	274
7	shale	281
5	lime	286
44	shale	330
30'	23 lime	353
6	shale	359
20'	24 lime	383
4	shale	387
4	lime	391
4	shale	395
6	lime	401
35	shale	436
5	sand	441
133	shale	574
4	lime	578
6	shale	584
4	lime	588
5	shale	593
7	lime	600
15	shale	615

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/5/08	0	2	soil	(1) 21.5-21.5
	2	16	clay	(2) 22.5-44.0
22'	16	42	shale	(3) 22.5-66.5
5/7	42	47	lime	(4) 22.5-89.0
6" buttons	47	50	shale	(5) 22.5-111.5
	50	65	lime	(6) 22.5-134.0
	65	72	shale	(7) 22.5-156.5
	72	83	lime	(8) 22.5-179.0
	83	87	shale	(9) 22.5-201.5
	87	105	lime	(10) 22.5-224.0
	105	121	shale (Red Bed 109-112)	(11) 22.5-246.5
	121	124	sand (Hard)	(12) 22.5-269.0
	124	131	shale	(13) 22.5-291.5
	131	153	lime	(14) 22.5-314.0
	153	184	shale	(15) 22.5-336.5
	184	196	lime	(16) 22.5-359.0
	196	222	shale	(17) 22.5-381.5
	222	229	lime	(18) 22.5-404.0
	229	236	shale	(19) 22.5-426.5
	236	247	lime	(20) 22.5-449.0
	247	266	shale	(21) 22.5-471.5
	266	274	lime	(22) 22.5-494.0
	274	281	shale (Bentonite)	(23) 22.5-516.5
	281	286	lime	(24) 22.5-539.0
	286	330	shale (Lime 318-319)	(25) 22.5-561.5
30'	330	353	lime	(26) 22.5-584.0
	353	359	shale (slate 356-357)	(27) 22.5-606.5

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# HUGHES DRILLING REPORT

Well No. 5 SURFACE CASING SIZE \_\_\_\_\_ PERMANENT CSG. SIZE \_\_\_\_\_  
 Farm McKaughan FEET \_\_\_\_\_ FEET \_\_\_\_\_  
 Circulated \_\_\_\_\_ sx cement

T. D. at Completion 910  
 Contractor HUGHES DRILLING CO.

OPERATOR \_\_\_\_\_

API # \_\_\_\_\_

DATE	DEPTH	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
7/1/08	70'	359	383	Lime	(28) 22.5-629.0
		383	397	shale (slate → 386-397)	(29) 22.5-651.5
		387	391	Lime	(30) 22.5-674.0
		391	395	shale	(31) 22.5-696.5
	"Hertha"	395	401	Lime	(32) 22.5-719.0
102'		401	436	Shale (Bx 4 404-408)	(33) 22.5-741.5
5 <sup>5</sup> / <sub>8</sub> "		436	441	Gray sand	(34) 22.5-764.0
1/8"		441	574	shale	(35) 22.5-786.5
		574	578	Lime	(36) 22.5-809.0
		578	584	shale	(37) 22.5-831.5
		584	588	Lime	(38) 22.5-854.0
		588	593	shale	(39) 22.5-876.5
		593	600	Lime	(40) 22.5-899.0
		600	605	shale	
		605	608	Lime (Brown)	
		608	621	shale	
		621	639	Lime	
		634	645	shale (slate 644 645)	
		645	649	Red Bed	
		649	655	shale	
		655	658	Lime	
		658	660	shale	
		660	661	Lime	
		661	670	shale	
		670	674	gray sand	
		674	722	shale	
		722	723	Lime	

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Lime	608
3	shale	621
13	Lime	634
11	shale	645
4	Red Bed	649
4	shale	655
3	Lime	658
2	shale	660
1	Lime	661
9	shale	670
4	Gr sand	674
48	shale	722
1	Lime	723
36	shale	759
3	Lime	766
95	shale	857
6	oil sand	863
47	shale	910
		T.D.

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# HUGHES DRILLING CO.

(794)

Wellsville, Kansas 66092

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

CORE TIME

Ron 913-883-4655  
Clay 913-883-4383

LEASE McKunguan #5

FORMATION Bartholville

DATE: 5/8/08

(RPM 3" Show Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
857	858	Chip Sample	—	} sand slightly lamin. w/shale (Bleeding) 857-859
① 858	859	3:25:00-3:25:45	:45	
② 859	860	3:26:30	:45	} Solid Sand (Bleeding) 859-862
③ 860	861	3:27:30	1:00	
④ 861	862	3:28:15	:45	
⑤ 862	863	3:29:15	1:00	- Sand lamina w/shale (Bleed)
⑥ 863	864	3:30:30	1:15	} sandy shale 863-866 with several thin strips of sand
⑦ 864	865	3:31:30	1:00	
⑧ 865	866	3:32:45	1:15	} SHALE
⑨ 866	867	3:34:00	1:15	
⑩ 867	868	3:35:15	1:15	
⑪ 868	869	3:36:45	1:30	
⑫ 869	870	3:38:15	1:35	} (Best Perf Zone) 857-863 cch
⑬ 870	871	3:40:15	2:00	
⑭ 871	872	3:41:30	1:15	
⑮ 872	873	Stop		} Midwest Surveys Perf 858-864 19 shots 2" OML-BTG 6/20/08
⑯ 873	874			
⑰ 874	875			
⑱ 875	876			
⑲ 876	877			
⑳ 877	878			

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