

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

WCH
10/21/08

091-23241-0000

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>5/12/08</u>	<u>5/16/08</u>	<u>6/23/08</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 01923241
County: Johnson
SW NE SE SW Sec. 36 Twp. 14 S. R. 21 East West
2010 feet from S N (circle one) Line of Section
3280 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 #: 10
Field Name: Gardner

Producing Formation: Bartlesville
Elevation: Ground: na Kelly Bushing: _____
Total Depth: 930 Plug Back Total Depth: 923
Amount of Surface Pipe Set and Cemented at 20.1 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 923
feet depth to surface _____ w/ 163 _____ sx cmt.

Drilling Fluid Management Plan *Ait II NR*
(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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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 #: 10
 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)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Hertha 416 422
 Bartlesville 877 885

List All E. Logs Run:

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	20.1	portland	8	
production	5 5/8	2 7/8	7	923	50/50 poz	163	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	22 perms-878'-885'-2" DML-RTG	fracture-5300# sand	878-885

Per telecon w/ oper. on 10/5/08
Mr. [Signature]

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DATE OF FIRST PRODUCTION	SIZE	SET AT	PACKER AT	LINER RUN
6/24/08				<input type="checkbox"/> Yes <input type="checkbox"/> No

Producing Method
<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 16090
 LOCATION St Lawrence
 FOREMAN Alan Maden

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-16-08	3425	McKaughan # 10	36	14	21	Jo
CUSTOMER <u>Hynes Drilling</u>			TRUCK #			
MAILING ADDRESS <u>122 Main</u>			DRIVER			
CITY <u>Wellsville</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>66092</u>			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 6" HOLE DEPTH 930 CASING SIZE & WEIGHT 2 1/2"
 CASING DEPTH 980 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 5.3 DISPLACEMENT PSI 800 MIX PSI 200 RATE 40 bpm

REMARKS: Established rate. Mixed & pumped 100# gel to plug hole followed by 160 sp 50 150 102, 290 gal. Circulated cement to surface. Flushed pump. Pumped 2 1/2 plug to pin Well held 800 PSI. Closed valves.

Customer supplied water.

Alan Maden

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	920'	casing footage	368	-
5407	min	ten mileage	510	300.00
1118B	379#	stl		60.64
1124	1635x	50 150 102		1515.90
4402	1	2 1/2 plug		21.00
			Sub	2858.79
			RECEIVED KANSAS CORPORATION COMMISSION	
			OCT 20 2008	
			6.4%	
			SALES TAX	102.24
			ESTIMATED TOTAL	2961.03

AUTHORIZATION Clay Hynes

TITLE 222129

DATE 8

HUGHES DRILLING REPORT

Well No. **#10**
 Farm **McKaughan**
 SURFACE CASING
 Size **7"**
 Feet **2010**
 Circulated **8** sx cement

PERMANENT CSG.
 Size **2 7/8"**
 Feet **923'**
 T. D. at Completion **930**
 Contractor **HUGHES DRILLING CO.**

OPERATOR **Hughes Drilling Co.**

2010 FSL 3280 FEL
 API # 15-091-33241

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
14	clay	16
49	shale	65
21	lime	86
7	shale	93
10	lime	103
4	shale	107
20	lime	127
13	shale	140
8	Gr Sand	148
3	Shale	151
22	lime	173
1	shale	174
2	Gr Sand	176
26	Shale	202
13	lime	215
27	shale	242
8	lime	250
7	shale	257
11	lime	268
17	shale	285
9	lime	294
8	shale	302
5	lime	307
42	shale	349
25	lime	374
6	shale	380
26	lime	406
3	shale	409
2	lime	411
5	shale	420
6	lime	422
31	shale	453
3	Gr. Sand	456
137	shale	593
6	lime	599
4	shale	603
4	lime	607
5	shale	612
4	lime	616
18	shale	634

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/12/08	0	2	soil	(1) 21.5-21.5
20'	2	16	clay	(2) 22.5-44.0
12" Auger Bit	16	65	shale	(3) 22.5-66.5
5/13/08	65	86	lime	(4) 22.5-89.0
	86	93	shale (slate 91-92)	(5) 22.5-111.5
	93	103	lime	(6) 22.5-131.0
	103	107	shale	(7) 22.5-156.5
	107	127	lime	(8) 22.5-179.0
32'	127	140	shale	(9) 22.5-201.5
1/14	140	148	Gray sand	(10) 22.5-224.0
	148	151	shale	(11) 22.5-246.5
	151	173	lime	(12) 22.5-269.0
	173	174	shale	(13) 22.5-291.5
	174	176	san Gray sand	(14) 22.5-314.0
	176	202	shale (sandy 181-187)	(15) 22.5-336.5
	202	215	lime	(16) 22.5-359.0
	215	242	shale	(17) 22.5-381.5
	242	250	lime	(18) 22.5-404.0
	250	257	shale	(19) 22.5-426.5
	257	268	lime	(20) 22.5-449.0
	268	285	shale (Broken lime 281-284)	(21) 22.5-471.5
	285	294	lime	(22) 22.5-494.0
	294	302	shale	(23) 22.5-516.5
	302	307	lime	(24) 22.5-539.0
	307	349	shale (Broken 336-338)	(25) 22.5-561.5
30'	349	374	lime	(26) 22.5-584.0
	374	380	shale (Slate 375-376)	(27) 22.5-606.5

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HUGHES DRILLING REPORT

Well No. 10 SURFACE CASING PERMANENT CSG.
 Farm McKean Shum Size _____ Feet _____ Size _____ Feet _____
 Circulated _____ sx cement
 OPERATOR Hughes Drilling Co. T. D. at Completion 930'
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Lime	637
6	Shale	643
14	Lime	657
7	Shale	664
3	Red Bed	667
10	Shale	677
10	Lime	687
4	Shale	732
2	Lime	734
14	Shale	748
3	Sand	751
30	Shale	781
2	Lime	783
34	Shale	817
5	Lime	822
38	Shale	860
1	Lime	861
16	Shale	877
8	Oil Sand	889
45	Shale	930
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - GILLING REF.	PIPE TALLY
	FROM	TO		
5/14/08	20'	380 406	Lime	(28) 22.5-629.0
		406 409	Shale (Slate 407-408)	(29) 22.5-631.5
		409 411	Lime	(30) 22.5-634.0
		411 416	Shale	(31) 22.5-636.5
425	"Hydrus"	416 422	Lime	(32) 22.5-719.0
5/15/08	3 1/2" S 425 Diamond Bit	422 453	Shale (Broken 427-431)	(33) 22.5-741.5
		453 456	Gray Sand	(34) 22.5-764.0
		456 593	Shale (Slate 571-573)	(35) 22.5-786.5
		593 599	Broken Lime	(36) 22.5-809.0
		599 603	Shale	(37) 22.5-831.5
		603 607	Lime	(38) 22.5-854.0
		607 612	Shale	(39) 22.5-876.5
		612 616	Lime	(40) 22.5-899.0
		616 634	Shale	(41) 22.5-921.5
		634 637	Lime (Brown)	
		637 643	Shale (Slate 638-639)	
		643 657	Lime (Broken)	
		657 664	Shale	
		664 667	Red Bed	
		667 677	Shale (Lime Break 669) (Slate 671)	
		677 687	Lime (Broken)	
		687 732	Shale	
		732 734	Lime	
		734 748	Shale	
		748 751	Sand (Brown)	
		751 781	Shale	
		781 783	Lime	

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HUGHES DRILLING REPORT

Well No. 10 SURFACE CASING SIZE..... FEET.....
 Farm Mikingsham PERMANENT CSG. SIZE..... FEET.....
 Circulated _____ sx cement

OPERATOR _____ T. D. at Completion 930'
 Contractor HUGHES DRILLING CO.

____ FSL _____ FEL
 API # _____

STRATA THICKNESS	FORMATION DRILLED	T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	782	801	Shale	
	801	803	Red Bed	
	803	817	Shale	
	817	822	Lime (Broken)	
	822	860	Shale	
	860	861	Lime	
	861	877	Shale (Red bed 871-874)	
<u>Bartlesville</u>	877	885	Oil sand (core time pg 41)	
<u>390</u>	885	930	shale	
<u>5/16/08</u>		TD		
	<u>5/16/08 - Set 923' of 2 7/8" 8nd upset pipe used 3 centralizers Bolt in bottom at 920.5'</u>			

TD 312
 1-2'
 9 Jts on Trailer
 2008 05 16

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HUGHES DRILLING CO.

Pg. 4

Wellsville, Kansas 66092

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

CORE TIME

LEASE McKaugham #10

FORMATION Bottlesville

DATE: 5/15/08

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

(RPM 3" Snow Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
877	878	chip sample		white sand w/sd lime strips (little pieces)
878	879	3:14:00 - 3:14:45	:45	} Solid sand (Bleeding) 878-882
879	880	3:15:30	:45	
880	881	3:16:15	:45	
881	882	3:17:00	:45	
882	883	3:18:00	1:00	} Solid sand (slightly friable) (Bleeding)
883	884	3:19:00	1:00	
884	885	3:19:45	:45	- Solid sand (Bleeding) 884-884.7
885	886	3:20:45	1:00	} Sandy shale with several thin sand strips
886	887	3:21:45	1:00	
887	888	3:22:45	1:00	
888	889	3:24:00	1:15	} Shale
889	890	3:25:15	1:15	
890	891	3: STOP		
891	892	3: -		
892	893			} (Best Perf Zone) 878-885 c.c.H
893	894			
894	895			
895	896			
896	897			
897	898			

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