

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

June 2009

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 Company
Address 1: 122 N. Main
Address 2: _____
City: Wellsville State: Ks Zip: 66092 + 8522
Contact Person: Carl (Clay) Hughes
Phone: (913) 963-9127
CONTRACTOR: License # 5682
Name: Hughes Drilling Company
Wellsite Geologist: none
Purchaser: High Sierra

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>4/12/11</u>	<u>4/14/11</u>	<u>6/7/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-25,555 -0000

Spot Description: _____

SW SW NE SW Sec. 33 Twp. 15 S. R. 20 East West

1,485 Feet from North / South Line of Section

3,795 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Franklin

Lease Name: Lutter Well #: 9

Field Name: Norwood

Producing Formation: Squirrel

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: 785' Plug Back Total Depth: 771'

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: 771'

feet depth to: surface w/ 104 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 #: _____

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.

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.

Signature: Carl C. Hughes

Title: partner Date: 6/24/11

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dlg Date: 7/8/11

Operator Name: Hughes Drilling Company Lease Name: Lutter Well #: 9
 Sec. 33 Twp. 15 S. R. 20 East West County: Franklin

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, Submit Copy) List All E. Logs Run: Gamma Ray/Neutron	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Hertha</td> <td>437'-445'</td> <td></td> </tr> <tr> <td>1st Squirrel</td> <td>712'-731'</td> <td></td> </tr> </table>	Name	Top	Datum	Hertha	437'-445'		1st Squirrel	712'-731'	
Name	Top	Datum								
Hertha	437'-445'									
1st Squirrel	712'-731'									

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
Surface	11"	6 1/4"	15#	23'	portland	7	
Production	5 5/8"	2 7/8"	7#	775'	50/50 poz	104	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	44 perms-716.5'-730.5'-2" DML RTG	fracture-5,000#	716.5-730.5

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. 6/8/11		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. 5	Gas Mcf trace	Water Bbls. 1
			Gas-Oil Ratio
			Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 716.5-730.5
---	--	-------------------------------------



CONSOLIDATED
Oil Well Services, LLC

API 15-059-25555-00.00

TICKET NUMBER 31813

LOCATION Ottawa

FOREMAN Alan Mader

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-14-11	3425	Lutter #9	SW 33	15	20	Jr
CUSTOMER <u>Hughes Drilling</u>						
MAILING ADDRESS <u>122 Main</u>						
CITY <u>Wellsville</u>		STATE <u>KS</u>	ZIP CODE <u>66092</u>			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			<u>516</u>	<u>Alan M</u>	<u>Safety</u>	<u>Meer</u>
			<u>496</u>	<u>Casby</u>	<u>CE</u>	
			<u>548</u>	<u>Cecil P</u>	<u>OP</u>	

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 785 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 775 DRILL PIPE _____ TUBING _____ OTHER pin @ 77'
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING YES
 DISPLACEMENT 4 1/2 DISPLACEMENT PSI 800 MIX PSI 200 RATE 5 bpm

REMARKS: Held crew meeting Established rate Mixed & pumped 100# gel to flush hole followed by 104 sk 50/150 pot 2 7/8 gel. Circulated cement. Flushed pump. Pumped plug to capin @ 771'. Well held 800 PSI. Closed valve

Hughes Drilling + water

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		975.00
5406	15	MILEAGE		160.00
5402	775'	Casing footage		
5407	min	for miles		330.00
1183	275#	gel		55.00
1124	104	50/150 pot		1086.80
4402	1	2 1/2 plug		28.00
				RECEIVED
				JUN 30 2011
				KCC WICHITA
				WO# 240509
SALES TAX				9624
ESTIMATED				2626.04
TOTAL				

Revin 3737

AUTHORIZATION [Signature] 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.

HUGHES DRILLING REPORT

Well No. 9
 Farm Lutter
 SURFACE CASING
 Size 6 1/4"
 Feet 23.0
 Circulated 7 sx cement

PERMANENT CSG.
 Size 2 7/8" 3rd EUE
 Feet 775' (Bolt at 771')
 T. D. at Completion 785
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

API # 15-059-2555-00-00

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
18	clay	20
45	shale	65
6	Lime	71
2	shale	73
19	lime	92
7	shale	99
10	lime	109
5	shale	114
17	lime	131
35	shale	166
17	lime	183
79	shale	262
21	lime	283
21	shale	304
6	lime	310
29	shale	339
11	lime	350
21	shale	371
20'	25' lime	396
6	shale	402
20'	25' lime	427
4	shale	431
4	lime	435
2	shale	437
"Hertha"	8' lime	445
11.5	shale	560
4	sand	584
8	shale	572
3	sand	575
25	shale	600
2	lime	602
4	sand	606
6	shale	612
10	lime	622
21	shale	643
10	lime	653
11	shale	664
3	lime	667
8	shale	675
8	lime	683

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
11/2/11	0	2	soil	① 21.5 - 21.5
	2	20	clay	② 22.5 - 44.0
23'	20	65	shale	③ 22.5 - 66.5
13lu	65	71	lime	④ 22.5 - 99.0
5 7/8 PDC	71	73	shale	⑤ 22.5 - 111.5
	73	92	lime	⑥ 22.5 - 134.0
	92	99	shale (slate 98-99)	⑦ 22.5 - 156.5
	99	109	lime	⑧ 22.5 - 179.0
	109	114	shale	⑨ 22.5 - 201.5
	114	131	lime	⑩ 22.5 - 224.0
	131	166	shale	⑪ 22.5 - 246.5
	166	183	lime	⑫ 22.5 - 269.0
	183	262	shale (sandy 183-187)	⑬ 22.5 - 291.5
	262	283	lime	⑭ 22.5 - 314.0
	283	304	shale (Red 292-295)	⑮ 22.5 - 336.5
	304	310	lime	⑯ 22.5 - 359.0
	310	339	shale	⑰ 22.5 - 381.5
	339	350	lime	⑱ 22.5 - 404.0
	350	371	shale (Brk 351-355)	⑲ 22.5 - 426.5
30'	371	396	lime (Brk 378-396)	⑳ 22.5 - 449.0
	396	402	shale (slate 400-401)	㉑ 22.5 - 471.5
20'	402	427	lime	㉒ 22.5 - 494.0
	427	431	shale (slate 430-431)	㉓ 22.5 - 516.5
	431	435	lime	㉔ 22.5 - 539.0
	435	437	shale	㉕ 22.5 - 561.5
"Hertha"	437	445	lime	㉖ 22.5 - 584.0
	445	560	shale (Brk 448-451) (sandy shale 484-523)	㉗ 22.5 - 606.5

4/12/11 - set 23' of 6 1/4" surface pipe
 circulated 7 sx cement

RECEIVED

JUN 30 2011

KCC WICHITA

HUGHES DRILLING REPORT

Well No. 9 Size 6 1/4"
Farm Lutter Feet 23.0
Circulated 7 sx cement

PERMANENT CSG. 2 7/8" 8rd EVE
- Size 775' (Bolt at 771)
Feet

T. D. at Completion 785
Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

STRATA THICKNESS	FORMATION DRILLED	T.D.
11	shale	694
7	lime	701
11	shale	712
19	oil sand	731
27	shale	768
2	sand	770
15	shale	785
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/13/11	560	564	sand (oil trace)	(28) 22.5-629.0
	564	572	shale	(29) 22.5-656.5
	572	575	sand (lamin. w/shale) (some bleed)	(30) 22.5-674.0
	575	600	shale (Bolt 593-596)	(31) 22.5-696.5
	600	602	lime	(32) 22.5-719.0
	602	606	sand (lamin. w/shale) (some bleed)	(33) 22.5-741.5
	606	612	shale	(34) 22.5-764.0
	612	623	lime	
	623	643	shale (Bolt 630-632)	
	643	653	lime	
	653	664	shale	
	664	667	lime (Brown)	
	667	675	shale (slate 667-669)	
	675	683	lime	
	683	694	shale (slate 693-694)	
	694	701	lime (oil trace)	
	701	712	shale	
* 1 Equival	712	731	oil sand (core Time Pg 3)	
7-14-11	731	768	shale (lime 746-747)	
7-15	768	770	Lt Brown sand (No show)	
	770	785	shale	
			T.D.	
7-14-11	-	-	set 775' of 2 7/8 8rd EVE used 3 centralizers Bolt in Bottom 771'	

Start core - 713
17 jnts on trailer
KCD - 16.5

RECEIVED
JUN 30 2011
KCC WICHITA

HUGHES DRILLING CO.

Pg. 3

Wellsville, Kansas 66092

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

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

CORE TIME
LEASE Lutter # 9
FORMATION #1 Squinzel
DATE: 4/13/11

PDC core bit
BPM

	FROM FEET	TO FEET	TIME	MINUTES	REMARKS
	712	713	Chip sample -		Sand lamina w/shale (bleeding)
①	713	714	2:30:00 - 2:31:00	1:00	
②	714	715	2:32:15	1:15	Sdy shale (oil show)
③	715	716	2:33:15	1:00	Sand v. clay lamina w/shale (bleeding)
④	716	717	2:34:30	1:15	
⑤	717	718	2:35:15	1:45	Sand slightly lamina w/shale (Go Ble)
⑥	718	719	2:36:30	1:15	Sand lamina w/shale (bleeding)
⑦	719	720	2:42:00 - 2:42:45 <small>Add joint</small>	1:45	
⑧	720	721	2:44:15	1:30	
⑨	721	722	2:45:15	1:00	Solid Sand 722-723.5 (Good Bleeding)
⑩	722	723	2:46:30	1:15	
⑪	723	724	2:47:45	1:15	Sdy shale 723.5-724.5 (oil show)
⑫	724	725	2:49:00	1:15	
⑬	725	726	2:50:30	1:30	724.5-731 Solid Sand (Good Bleed)
⑭	726	727	2:51:30	1:00	
⑮	727	728	2:52:30	1:00	
⑯	728	729	2:53:45	1:15	
⑰	729	730	2:55:00	1:15	(A few thin streaks of shale from 725-729)
⑱	730	731	2:56:30	1:30	
⑲	731	732	2:58:45	2:15	Shale
⑳	732	733	stop		

(Best Perf Zone)
717-731