

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

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 #: _____

5/4/11	5/6/11	6/7/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-25,557-0000
Spot Description: _____
NE NW SE SW Sec. 33 Twp. 15 S. R. 20 East West
1,155 Feet from North / South Line of Section
3,465 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Franklin
Lease Name: Lutter Well #: 11
Field Name: Norwood
Producing Formation: Squirrel
Elevation: Ground: _____ Kelly Bushing: _____
Total Depth: 785' Plug Back Total Depth: 766'
Amount of Surface Pipe Set and Cemented at: 24.20' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 766'
feet depth to: surface w/ 105 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 #: 11
 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 <i>(Attach Additional Sheets)</i> 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 <i>(If no, Submit Copy)</i> 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>436'-443'</td> <td></td> </tr> <tr> <td>1st Squirrel</td> <td>725'-734'</td> <td></td> </tr> </table>	Name	Top	Datum	Hertha	436'-443'		1st Squirrel	725'-734'	
Name	Top	Datum								
Hertha	436'-443'									
1st Squirrel	725'-734'									

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#	24.20'	portland	7	
Production	5 5/8"	2 7/8"	7#	770'	50/50 poz	105	2% gel

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				

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
2	37 perms-725'-734'-2" DML RTG	fracture-3,500#	725-734

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. 2	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 <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 725-734
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Sec. 33 Twp. 15 Rng. 20
 Fr Co., Kansas
 1155 FSL 3465 FEL
 API# 15099-25557

HUGHES DRILLING REPORT

SURFACE CASING

PERMANENT CSG.

Well No. 11

Size 6 1/4"

Size 2 7/8" 2nd EUE

Farm Lot 6C

Feet 24.20

Feet 770' (Bolt at 766')

Circulated 7 sx cement

T. D. at Completion 785

Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/4/11	0	2	Soil	1221.5-21.5
24'	2	17	Clay	222.5-44.0
5/5/11	17	65	Shale	222.5-66.5
5/8/11	65	71	Lime	222.5-89.0
5/8/11	71	73	Shale	222.5-111.5
	73	92	Lime	222.5-134.0
	92	99	Shale	222.5-156.5
	99	108	Lime	222.5-179.0
	108	113	Shale	222.5-201.5
	113	131	Lime	222.5-224.0
	131	161	Shale	222.5-246.5
	161	182	Lime	222.5-269.0
	182	261	Shale	222.5-291.5
	261	283	Lime	222.5-314.0
	283	302	Shale (Red bed 296-297)	222.5-336.5
	302	312	Lime	222.5-354.0
	312	338	Shale	222.5-381.5
	338	350	Lime	222.5-404.0
	350	369	Shale (Brk 352-354)	222.5-426.5
30'	369	393	Lime (Brk 371-373)	222.5-449.0
	393	400	Shale (slate 398-399)	222.5-471.5
30'	400	427	Lime	222.5-494.0
	427	431	Shale (slate 430-431)	222.5-516.5
	431	434	Lime	222.5-539.0
	434	436	Shale	222.5-561.5
"Heatha"	436	443	Lime	222.5-584.0
	443	562	Shale (Brk 446-449) (sandy shale 481-509)	222.5-606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
15	clay	17
48	shale	65
6	lime	71
2	shale	73
19	lime	92
7	shale	99
9	lime	108
5	shale	113
18	lime	131
30	shale	161
21	lime	182
79	shale	261
22	lime	283
19	shale	302
10	lime	312
26	shale	338
12	lime	350
19	shale	369
30'	24' Lime	393
	7' shale	400
20'	2' Lime	407
	4' shale	431
	3' Lime	434
	2' shale	436
"Heatha"	7' lime	443
	119' shale	562
	3' sand	565
	30' shale	595
	11' lime	606
	10' shale	616
	9' lime	625
	6' shale	631
	3' lime	634
	12' shale	646
	8' lime	654
	13' shale	667
	2' lime	669
	11' shale	680
	4' lime	684
	12' shale	696

5/4/11 - set 24.20' of 6 1/4" surface pipe
 circulated 7sx cement

Drillers: Isaac Burdett
 Clay Hughes

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HUGHES DRILLING REPORT

Well No. 11
 Farm Luther
 SURFACE CASING
 Size 1 1/4"
 Feet 24.20
 Circulated 7 sacks cement

PERMANENT CSG.
 Size 2 7/8" 8rd EVE
 Feet 770 (Bolt at 766)

OPERATOR Hughes Drilling Co.

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

STRATA THICKNESS	FORMATION DRILLED	T.D.
6	lime	702
23	shale	725
9	oil sand	734
4	shale	748
1	lime	749
6	shale	755
1	lime	756
19	shale	775
2	sand	777
8	shale	785
		T.O.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/5/11	562	565	Sand (oil show)	(28) 225-629.0
	565	595	Shale	(29) 225-651.5
	595	606	Lime (study 596-599)	(30) 225-674.0
	606	616	shale	(31) 225-696.5
	616	625	lime	(32) 225-719.0
	625	631	shale	(33) 225-741.5
	631	634	lime	(34) 225-764.0
	634	646	shale (slate 634-636)	
	646	654	lime	
	654	667	shale	
	667	669	lime (brown)	
	669	680	shale (slate 669-670)	
	680	684	lime	
	684	696	shale (slate 693-694)	
	696	702	lime	
	702	725	shale (A few sand strings 721-725)	
#1 squirrel	725	734	oil sand (come time Ag. 3)	
	734	748	shale	
739	748	749	lime	
5/6/11	749	755	shale	
	755	756	lime	
	756	775	shale	
	775	777	Brown sand (No show)	
	777	785	shale	
			T.O.	
5/6/11 - Set 770' of 2 7/8" 8rd EVE Bolt at 766' used 3 centralizers				

EVE

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HUGHES DRILLING CO.

PS 3

Wellsville, Kansas 66092

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

LEASE Lutter #11
FORMATION #2 Squirrel
DATE: 5-5-11

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

3" PDC Bit

FROM	FEET TO	TIME	MINUTES	REMARKS
721	725	-	721-725	dry shale with a few thin strips of sand
725	726	-	725-726	sand lamin. w/ shale (bleeding)
① 726	727	3:34:00-3:34:45	:45	sand slightly lamin. w/ shale (bleeding)
② 727	728	3:36:00	1:15	
③ 728	729	3:38:15	2:15	shale 728-728.5
④ 729	730	3:39:15	1:00	Solid Sand (Good Bleed) (This has a few thin coal streaks)
⑤ 730	731	3:40:45	1:30	dry shale - 730.5-731.5
⑥ 731	732	3:41:45	1:00	730.5-734
⑦ 732	733	3:42:30	:45	Solid Sand (Good Bleed)
⑧ 733	734	3:43:00	:30	- A few very thin coal streaks
⑨ 734	735	3:44:30	1:30	733-734
⑩ 735	736	3:46:00	1:30	
⑪ 736	737	3:47:30	1:30	shale
⑫ 737	738	3:49:15	1:45	
⑬ 738	739	3:51:30	2:15	
⑭ 739	740	-	-	STOP
⑮ 740	741			
⑯ 741	742			(Best Perf Zone)
⑰ 742	743			725-734 cch
⑱ 743	744			
⑲ 744	745			
⑳ 745	746			

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