



KANSAS CORPORATION COMMISSION 1090316  
OIL & GAS CONSERVATION DIVISION

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

<u>6/18/2012</u>	<u>6/20/2012</u>	<u>8/10/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26090-00-00

Spot Description: \_\_\_\_\_  
SW SE NW SW Sec. 33 Twp. 15 S. R. 20  East  West  
1485 Feet from  North /  South Line of Section  
4486 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Franklin

Lease Name: Lutter Well #: 16

Field Name: Norwood

Producing Formation: Mississippi

Elevation: Ground: 960 Kelly Bushing: 0

Total Depth: 800 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 24 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: 24 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrison Date: 08/21/2012



1090316

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: Lutter Well #: 16  
 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  GammaRay/Neutron/CCL	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum GammaRay
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CASING RECORD <input checked="" 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	9	7	10	24	Portland	9	50/50 POZ
Completion	5.6250	2.8750	8	784	Portland	102	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	-			

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	729.0-745.0	2" DML RTG	16

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# HUGHES DRILLING REPORT

Well No #16  
 Farm Lutes

SURFACE CASING  
 Size 5 1/2  
 Feet 24.10  
 Circulated 9 sx cement

PERMANENT CSG.  
 Size 2 1/8" drill E.L.C. (300)  
 Feet 784' pipe T.D.  
 Bolt at 171'

OPERATOR Hughes Drilling

T. D. at Completion 800  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
7	Soil	2
19	Clay	21
50	Shale	71
6	Lime	77
3	Shale	80
13	Lime	93
7	Shale	100
11	Lime	111
4	Shale	115
14	LIME	139
27	Shale	166
5	Gr Sand	171
3	Shale	174
15	Lime	189
20	Shale	209
21	Lime	230
25	Shale	315
7	LIME	322
2	Shale	324
22	Lime	346
2	Shale	348
23	Lime	401
11	Shale	412
24	Lime	436
1	Shale	440
3	Lime	443
3	Shale	446
1	Lime	453
112	Shale	565
3	Gr Sand	568
46	Shale	614
9	Lime	623
21	Shale	644
5	LIME	649
16	Shale	665
3	Lime	668
13	Shale	681
6	Lime	687
9	Shale	696
7	Lime	703
9	Shale	712

DATE	DRILLED		REMARKS	TYPE WORK	BILLING REF	PIPE TALLY
	FROM	TO				
5/18/72	0	7	Soil			(2) 21.5 - 21.5
24	7	31	Clay			(2) 21.5 - 42.0
11/15/72	31	71	Shale			(2) 21.5 - 61.5
5/25	71	77	Lime			(2) 21.5 - 89.0
PDC	77	80	Shale			(2) 21.5 - 111.5
	80	83	Lime			(2) 21.5 - 131.0
	83	105	Shale			(2) 21.5 - 156.5
	105	116	LIME			(2) 21.5 - 179.0
	116	120	Shale			(2) 21.5 - 201.5
	120	139	LIME			(2) 21.5 - 224.0
	139	166	Shale			(2) 21.5 - 246.5
	166	171	Gr Sand			(2) 21.5 - 269.0
	171	174	Shale			(2) 21.5 - 291.5
	174	189	LIME			(2) 21.5 - 314.0
	189	209	Shale (Sandy 195-207)			(2) 21.5 - 336.5
	209	230	LIME			(2) 21.5 - 359.0
	230	315	Shale			(2) 21.5 - 381.5
	315	322	LIME			(2) 21.5 - 404.0
	322	344	Shale			(2) 21.5 - 426.5
	344	356	LIME			(2) 21.5 - 449.0
	356	378	Shale (BRK 361-362)			(2) 21.5 - 471.5
	378	401	LIME			(2) 21.5 - 494.0
	401	412	Shale (Shale 402-403)			(2) 21.5 - 516.5
	412	436	LIME			(2) 21.5 - 539.0
	436	440	Shale (Shale 430-432)			(2) 21.5 - 561.5
	440	443	LIME			(2) 21.5 - 584.0
	443	446	Shale			(2) 21.5 - 606.5

Operator - Eric Schultz

Tolson - Zack K. Woods

Sec. 35 Twp. 15 Rng. 20  
 P. Co., Kansas  
 1985 FSL 4486 FEL  
 API # 12-054-2609

# HUGHES DRILLING REPORT

Well No. <sup>#16</sup> SURFACE CASING PERMANENT CSG.  
 Farm: Latic Size: 2 7/8" 800' EUE (used)  
 Feet: 784' (used)  
 Calculated \_\_\_\_\_ sx cement Bolt at 779'  
 T.D. at Completion 800'  
 Contractor: HUGHES DRILLING CO.

OPERATOR: Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
35	sand	745
31	shale	776
2-	lime	778
2-	shale	800
		T.D.

DATE	DRILLED FROM TO	REMARKS - TYPE WORK - DRILLING REF	PIPE TALLY
6/19/12	446-453	LIME	(2) 22.5-627.0
	453-565	shale (B: 456-460)	(2) 22.5-451.9
	565-568	(grey sand (slight oil))	(3) 22.5-679.0
	568-614	shale	(3) 22.5-696.5
	614-623	LIME	(2) 22.5-719.0
	623-644	shale (BRN w/ lime)	(3) 22.5-741.5
	644-649	LIME	(4) 22.5-764.9
	649-665	shale	(5) 22.5-781.9
	665-668	LIME (low)	
	668-691	shale (slate 670-671)	
	691-697	LIME	
	697-698	shale	
	698-703	LIME (oil area)	
	703-712	shale	
BT signed	712-745	sand (Remarks pg. 3)	
	745-776	shale	
785	776-778	LIME	
12/1/12	778-800	shale (3 1/4" 790-797)	
		T.D.	
		6-20-12 set 784' of 2 7/8" 800' EUE used 3 centralizers Bolt at 779'	

# HUGHES DRILLING CO.

Wellsville, Kansas 66092

Log 5

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

CORE TIME

Ron 913-883-4655  
Clay 913-883-4382

LEASE Letter #16

FORMATION #1 - Squire

DATE: 6/17/72

(RPM Chip Sample)

FROM	FEET TO	TIME	MINUTES	REMARKS
712	721	-		Sand very laminar w/shale (some bleed)
721	722	}		Sand laminar w/shale (bleeding)
722	723			
723	724	-		Sand slightly laminar w/shale (bleeding)
724	725	-		
725	726	}		Sdy shale w/ thin streaks of sand (oil show)
726	727			
727	728			
728	729			
729	730	}		Sand laminar with thin streaks of mica + shale (bleeding)
730	731			
731	732			
732	733			
733	734	}		
734	735			
735	736			
736	737			
737	738			
738	739			
739	740			
740	741			
741	742			
742	743			
743	744			
744	745			
745	746	-		Shale

(Best test run 729 - 733 - 745)

Water showed some oil stain  
729-733 50 min 2 1/2 gal



**CONSOLIDATED**  
ON Well Services, LLC

API # 15-054-26090

TICKET NUMBER 39852

LOCATION Ottawa

FOREMAN Alan Maden

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
6.20.12	3425	Lutter 16	S4 33	15	20	FX
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
516	Al Mad	Safety	Meat
368	Al Mad	AM	
510	Set Tue	ST	

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 800 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 784 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 779  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING ye  
 DISPLACEMENT 4 1/2 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held crew Meat. Established rate. Mixed & pumped 100# gel followed by 102 SK 50150 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to pin well held 800 PSI. Closed valve.

Hughes Drilling, Eric  
Hughes Water  
Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	15	MILEAGE		60.00
5402	784'	casing footage		
5407	min	ten miles		350.00
1124	102	50150 cement		1116.90
1183	271#	gel		56.91
4402	1	2 1/2 plug		28.00
			SALES TAX	93.74
			ESTIMATED TOTAL	2735.55

Ravin 3737

AUTHORIZATION 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 form.