



KANSAS CORPORATION COMMISSION 1090314  
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     SLOW  
 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>6/27/2012</u>	<u>6/29/2012</u>	<u>8/10/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-25817-00-00

Spot Description: \_\_\_\_\_  
E2 SW Sec. 33 Twp. 15 S. R. 20  East  West  
1320 Feet from  North /  South Line of Section  
3300 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Franklin  
Lease Name: Lutter Well #: I-6  
Field Name: Norwood

Producing Formation: Mississippi

Elevation: Ground: 956 Kelly Bushing: 0

Total Depth: 784 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/ 8 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



1090314

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: Lutter Well #: I-6  
 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	8	50/50 POZ
Completion	5.6250	2.8750	8	774	Portland	98	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	722.0-732.0	2" DML RTG	10

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
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) _____	
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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) _____	PRODUCTION INTERVAL: _____ _____
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# HUGHES DRILLING REPORT

Well No. H 26  
 Farm Letter  
 SURFACE CASING Size 6 5/8  
 Feet. 24.10  
 Circulated 2 cement

PERMANENT CSG.  
 Size 2 7/8" 8rd EUE (NEW)  
 Feet. 774 PIPE T.D.  
 Bolt at 766

T. D. at Completion 784

Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
18	Clay	20
46	Shale	66
6	lime	72
2	Shale	74
19	lime	92
7	shale	99
1	lime	110
3	shale	113
18	lime	130
30	shale	160
23	lime	183
78	shale	261
19	lime	282
23	shale	305
7	lime	312
26	shale	338
13	lime	351
20	shale	371
20	lime	396
5	shale	401
2d	lime	426
4	shale	430
6	lime	434
2	shale	436
Hertha	lime	443
81	shale	524
10	Gr. sand	534
27	shale	561
4	Gr. sand	565
37	shale	602
4	Gr. sand	606
10	shale	616
9	lime	625
21	shale	646
10	lime	656
10	shale	666
3	lime	669
14	shale	683
3	lime	680
8	shale	694

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/27/12	1	2	Soil	① 21.5-21.5
24'	2	20	Clay	② 22.5-44.0
6/28/12	20	66	Shale	③ 22.5-66.5
5 9/8'	66	72	lime	④ 22.5-89.0
P.D.	72	74	shale	⑤ 22.5-111.5
	74	92	lime	⑥ 22.5-134.0
	92	99	shale - slate 98-99)	⑦ 22.5-156.5
	99	110	lime	⑧ 22.5-179.0
	110	113	shale	⑨ 22.5-201.5
	113	130	lime	⑩ 22.5-224.0
	130	160	Shale (Red Bed 134-135)	⑪ 22.5-246.5
	160	183	lime	⑫ 22.5-269.0
	183	261	Shale (sandy 183-187)	⑬ 22.5-291.5
	261	282	lime	⑭ 22.5-314.0
	282	305	Shale (Red Bed 297-299)	⑮ 22.5-336.5
	305	312	lime	⑯ 22.5-359.0
	312	338	shale	⑰ 22.5-381.5
	338	351	lime	⑱ 22.5-404.0
	351	371	shale (Broken 355-357)	⑲ 22.5-426.5
30'	371	396	lime	⑳ 22.5-449.0
	396	401	shale (slate 399-402)	㉑ 22.5-471.5
20'	401	426	lime	㉒ 22.5-494.0
	426	430	shale (slate 428-429)	㉓ 22.5-516.5
	430	434	lime	㉔ 22.5-539.0
	434	436	shale	㉕ 22.5-561.5
Hertha	436	443	lime	㉖ 22.5-584.0
	443	524	shale (Broken 444-459)	㉗ 22.5-606.5

(sdy shale 432-501)

Driller - Eric Schultz  
 Tool dresser - Justin Timken

Sec. 33 Twp. 15 Rng. 20  
FR Co., Kansas

# HUGHES DRILLING REPORT

Well No. #1-6  
 Farm W.H.C.  
 SURFACE CASING  
 Size \_\_\_\_\_  
 Feet \_\_\_\_\_  
 Circulated \_\_\_\_\_ sx cement

PERMANENT CSG.  
 Size 2 7/8" 8rd EWE (New)  
 Feet 774 pipe T.D.  
 Bolt at 766  
 T. D. at Completion : 784  
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

1320 FSL 3300 FEL  
 API # 15-059-25817

STRATA THICKNESS	FORMATION DRILLED	T.D.
8	Lime	702
16	Shale	718
<u>1/29</u> 16	Sand	734
13	Shale	749
1	Lime	750
8	Shale	758
2	Lime	760
1	Shale	761
6	lt Br. sand	767
17	shale	784
		L.R.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/28/12	524	534	Gray sand	(2) 22.5-629.0
	534	561	Shale	(3) 22.5-651.5
	561	565	Coarse sand (some Bleaching oil)	(4) 22.5-674.0
	565	602	Shale (Broken 601-602)	(3) 22.5-696.5
	602	606	Gray sand (Good Bleaching oil)	(2) 22.5-719.0
	606	616	Shale	(3) 22.5-711.5
	616	625	Lime	(4) 22.5-764.0
	625	646	Shale (Broken 631-637)	
	646	656	Lime	
	656	666	Shale	
	666	669	Lime (Brown)	
	669	683	Shale (slate 669-670) (Broken 677-681)	
	683	686	Lime	
	686	694	Shale (slate 693-694)	
	694	702	Lime (Little Bleaching)	
	702	718	Shale	
<u>#1</u> <u>Spurred</u>	718	734	Sand (Remarks pg. 3)	
	734	750	Shale	
	750	758	Lime	
	758	760	Shale	
	760	761	Lime	
762	760	761	Shale	
6/29/12	761	767	lt Brown Sand (No show)	
	767	784	Shale	
		T.D.		
			6-29-12 set 774.85' of new 2 7/8" 8rd EWE	
			used 3 centralizers	
			Bolt at 766.85'	

# HUGHES DRILLING CO.

(Pg. 1)

Wellsville, Kansas 66092

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

CORE TIME

Ron 913-883-4656  
Clay 913-883-4383

LEASE Lutter I-6  
FORMATION F1 Squirrel  
DATE: 6/28/12

(BPM) Chip Sample

FROM	FEET TO	TIME	MINUTES	REMARKS
718	719	}		sand very lamin. w/shale (bleeding)
719	720			
720	721	}		sand lamin w/shale (bleeding)
721	722			
722	723	}	722 - 726	sand slightly lamin. w/shale (bleeding)
723	724			
724	725			
725	726			
726	727	}		sand very lamin. w/shale (little bleed)
727	728			
728	729	}		solid sand (exc. bleeding)
729	730			
730	731			
731	732	}		sand lamin. w/shale (bleeding)
732	733			
733	734	}		shale
734	735			
735	736			
736	737			
737	738	}		(Best Penf zone) 722 - 732
				CCM



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
820-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 37371

LOCATION Ottawa KS

FOREMAN Fred Maden

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/29/12	3425	Luther # 6-I (F W)	SW 33	15	20	FR
CUSTOMER Hughes Drilling						
MAILING ADDRESS 122 main ST						
CITY Wellsville	STATE KS	ZIP CODE 66092				
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		506	Fred Mad	Safety	Maden	
		495	Nor Bec	HLB	J	
		555	Set Tuc	ST		

JOB TYPE log storage HOLE SIZE 5 7/8 HOLE DEPTH 784 CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 774 DRILL PIPE 2 1/2" in TUBING @ 766' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 2 1/2" Plug + 8'  
 DISPLACEMENT 4.538 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 50 BPM

REMARKS: Establish circulation. Mix + Pump 100# Gel Flush. Mix + Pump 98 sks 50/50 Poz Mix Cement 2 7/8" CUL. Cement to surface. flush pump + lines clean. Displace 2 1/2" Rubber Plug to pin in casing. Pressure to 600# PSI. Hold pressure for 30 min MIT. Shut in casing.

Water by Hughes Drilling

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 <sup>00</sup>
5406	15mi	MILEAGE	485	60 <sup>00</sup>
5402	774'	Casing footage		NK
5407	Minimum	Ten Miles	558	350 <sup>00</sup>
1124	98 sks	50/50 Poz Mix Cement		1073 <sup>10</sup>
1118B	265 <sup>00</sup>	Premium Gel		55 <sup>00</sup>
4402	1	2 1/2" Rubber Plug		28 <sup>00</sup>
			7.5%	SALES TAX
				90 <sup>00</sup>
				ESTIMATED TOTAL
				2654 <sup>97</sup>

Rev'n 3737

AUTHORIZATION

[Signature]

TITLE

250944

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.