



KANSAS CORPORATION COMMISSION 1081870
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>2/2/2012</u>	<u>2/3/2012</u>	<u>2/3/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-25814-00-00

Spot Description: _____

SW SE NE SW Sec. 33 Twp. 15 S. R. 20 East West
1646 Feet from North / South Line of Section
2997 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-3

Field Name: Norwood

Producing Formation: Squirrel

Elevation: Ground: 960 Kelly Bushing: 0

Total Depth: 785 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: 0

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 Garrisor Date: 05/24/2012



1081870

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: Lutter Well #: I-3
 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	974	Portland	107	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	709.0-719.0	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 Bbls.	Gas Mcf	Water Bbls. 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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 36946
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/2/12	3425	Lutter # I-3	SW 33	15	20	FR
CUSTOMER Hughes Drilling			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 122 Main			481	Casey	CE	
CITY Wellsville			495	Gar Moo	GM	
STATE KS			510	Asa Mic	AM	
ZIP CODE 66092						

JOB TYPE Logging HOLE SIZE 5 5/8" HOLE DEPTH 785' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 774' DRILL PIPE _____ TUBING pin - 754' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" plug
 DISPLACEMENT 4.38 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100 # Gel followed by 10 bbls fresh water, mixed & pumped 107 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped plug to pin w/ 4.38 b fresh water, pressured to 800 PSI, well held pressure for 30 min MIT, shut in casing

(Handwritten signature)

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5401	1	PUMP CHARGE		1030.00	
5406	on lease	MILEAGE			
5402	774'	casing footage			
5407	1/2 minimum	ton mileage		175.00	
1124	107 sks	50/50 Pozmix cement		1171.65	
1118B	280 #	Premium Gel		58.80	
4402	1	2 1/2" rubber plug		28.00	
				SALES TAX	98.16
				ESTIMATED TOTAL	2561.61

(Handwritten number) 247756

in 3737

AUTHORIZATION Dan R. Hughes 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 for

Sec. 15 Twp. 15 Rng. 44
FLC Co., Kansas
1650 FSL 270 FEL
 API # 15-059-25814-00-00

HUGHES DRILLING REPORT

Well No. I-3
 Farm Letter

SURFACE CASING
 Size 6 1/4"
 Feet 27'
 Calculated 0 sx cement

PERMANENT CSG.
 Size 3 1/2"
 Feet 785'

OPERATOR Hughes Drilling Co.

T. D. at Completion 785'
 Contractor HUGHES DRILLING CO.

DATE	DRILLED FROM	TO	FORMATION	TYPE WORK	DRILLING REF.	PIPE TALLY
2/1/12	0	2	Soil			(1) 0.5-21.5
27'	2	25	Clay			(2) 2.5-44.0
27/12	25	66	Shale			(3) 22.5-66.5
27/12	66	77	Lime			(4) 22.5-81.0
27/12	77	80	Shale			(5) 22.5-111.5
	80	92	Lime			(6) 22.5-131.0
	92	99	Shale (Slate 94-96)			(7) 22.5-150.5
	99	110	Lime			(8) 22.5-179.0
	110	113	Shale			(9) 22.5-211.5
	113	130	Lime			(10) 22.5-224.0
	130	164	Shale (BRK 135-136)			(11) 22.5-246.5
	164	182	Lime			(12) 22.5-269.0
	182	196	Shale			(13) 22.5-271.5
	196	201	Shale			(14) 22.5-314.0
	201	282	Lime			(15) 22.5-336.5
	282	302	Shale (BRK 290-302)			(16) 22.5-359.0
	302	307	Lime			(17) 22.5-371.5
	307	339	Shale			(18) 22.5-404.0
	339	349	Lime			(19) 22.5-426.5
	349	369	Shale (BRK 349-354)			(20) 22.5-449.0
30'	369	373	Lime			(21) 22.5-471.5
	373	400	Shale (Slate 377-394)			(22) 22.5-494.0
20'	400	426	Lime			(23) 22.5-516.5
	426	430	Shale (Slate 423-426)			(24) 22.5-539.0
	430	433	Lime			(25) 22.5-561.5
	433	436	Shale			(26) 22.5-584.0
	436	447	Lime			(27) 22.5-606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
23	Clay	25
41	Shale	66
11	Lime	77
3	Shale	80
8	Lime	92
7	Shale	99
11	Lime	110
3	Shale	113
17	Lime	130
34	Shale	164
14	Lime	182
14	Shale	196
65	Shale	211
21	Lime	224
20	Shale	246
6	Lime	269
31	Shale	282
10	Lime	302
20	Shale	307
24	Lime	314
7	Shale	336
20	Lime	359
4	Shale	371
3	Lime	384
3	Shale	404
10	Lime	426
7	Shale	430
4	Shale	433
3	Shale	436
16	Lime	447
67	Shale	471
1	Shale	484
4	Shale	494
3	Shale	507
39	Shale	516
3	Lime	539
7	Shale	552
12	Lime	561
7	Shale	584
7	Lime	597
9	Shale	606
4	Lime	613
14	Shale	625
3	Lime	632

Drilled by Hughes Drilling Co.
 Date 2/1/12

HUGHES DRILLING REPORT

Well No. I-3
 Farm Letter

SURFACE CASING
 Size _____
 Feet _____
 Circulated _____ sx cement

PERMANENT CSG.
 Size 7 7/8" (110)
 Feet 785' (110)

OPERATOR Hughes Drilling

T.D. at Completion 785'
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
10	Shale	679
6	Lime	685
12	Shale	697
3	Lime	700
7	Shale	707
16	Sand	723
37	Shale	760
5	Lt. Brown sand	765
20	Siltic	785
	T.D.	

DATE	DRILLED		REMARKS ... TYPE WORK ... BILLING REF.	PIPE TALLY
	FROM	TO		
2/2/12	442	507	Shale (BRK 444-447)	(13) 22.5-629.0
	507	520	(Grey Sand)	(21) 22.5-631.5
	520	561	Shale	(41) 22.5-674.0
	561	564	Sand (lt. Brown sand some bleeding)	(3) 22.5-676.5
	564	603	Shale (BRK 575-593)	(39) 22.5-719.0
	603	606	Lime (w/ Trace Some Bleedin)	(3) 22.5-741.5
	606	613	Shale	(7) 22.5-764.0
	613	625	Lime	
	625	632	Shale (State 630-631)	
	632	639	Lime	
	639	648	Shale	
	648	650	Lime	
	650	666	Shale	
	666	681	Lime (Brown)	
	681	679	Siltic (State 670-671 BRK 676-679)	
	679	685	Lime	
	685	697	Shale	
	697	700	Lime (slight color)	
	700	707	Shale (BRK 704-706)	
7/1	707	723	Sand (lt. Brown sand)	
	723	760	Shale	
7/1	760	765	Lt. Brown sand (lt. Brown)	
	765	785	Shale	
			T.D.	

Shale ...
 Sand ...
 Siltic ...