



KANSAS CORPORATION COMMISSION 1099855
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>8/15/2012</u>	<u>8/16/2012</u>	<u>8/17/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-25819-00-00

Spot Description: _____
W2_E2_SW Sec. 33 Twp. 15 S. R. 20 East West
1320 Feet from North / South Line of Section
3630 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-8

Field Name: Norwood

Producing Formation: Squirrel

Elevation: Ground: 949 Kelly Bushing: 0

Total Depth: 777 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 23 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ 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 Gantsoi Date: 11/08/2012



1099855

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: Lutter Well #: I-8
 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	23	Portland	7	50/50 POZ
Completion	5.6250	2.8750	8	767	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 <i>(Amount and Kind of Material Used)</i>	Depth
4	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 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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-457-8576

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 37585
LOCATION Ottawa KS
FOREMAN Fred Mader

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/17/12	3425	Butter # I-8	6w 23	15	20	FR
CUSTOMER			TRUCK #			
Mailing Address			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
Wellsville			KS			
122 Main St			113			
166092			MH			

JOB TYPE hangstrid HOLE SIZE 5 7/8 HOLE DEPTH 777 CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 767.0 DRILL PIPE pin in TUBING @ 760 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 2 1/2" Plug + 5'
 DISPLACEMENT 4.42 DISPLACEMENT PSI _____ MIX PSI _____ RATE 53 RPM

REMARKS: Establish circulation. Mix + Pump 100' Coil Flush. Mix + Pump
107 bbls 50/50 Por Mix Cement 2.20 gal. Cement to Surface.
Flush pump + lines clean. Displace 2 1/2" Rubber plug to pin in
casing. Pressure to 700' PSI. Hold + Monitor pressure
for 2 30 Min. MIT. Shut in Casing.

Customer supplied H₂O

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 ⁰⁹
5406	15 mi	MILEAGE	495	60 ⁰⁹
5402	767	Casing footage		415
5407	Minimum	Ten Miles	548	350 ⁰⁹
1124	107.515	50/50 Por Mix Cement		1171 ⁰⁵
1115A	280"	Premium Gel		59 ⁰⁹
4402	1	2 1/2" Rubber Plug		28 ⁰⁹
			7.88	98 ¹⁶
			SALES TAX	
			ESTIMATED	
			TOTAL	2796 ⁰¹

Levin 3737

AUTHORIZATION

[Signature]

TITLE

DATE

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.

252166

Sec. 33, Twp. 15, Rng. 20
 Franklin Co., Kansas
1370 FSL 3630 FEL
 API # 15-059-25819-00-00

HUGHES DRILLING REPORT

Well No. I-8
 Farm Luther
 SURFACE CASING
 Size 7"
 Feet 23.85
 Circulated 7 ex cement

PERMANENT CSG.
 Size 2 7/8" 8T EUE
 Feet 716.1 pipe T.O.
 Bolt at 75'
 T. D. at Completion 777
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
8/15/12	0	2	Soil	(1) 21.5 - 21.5
	2	17	clay	(2) 27.5 - 44.0
23'	17	65	Shale	(3) 22.5 - 66.5
8/16/12	65	71	Lime	(4) 22.5 - 89.0
5 5/8" PDC	71	74	Shale	(5) 22.5 - 111.5
	74	92	Lime	(6) 22.5 - 131.0
	92	99	Shale (Part) Shale 98-99	(7) 22.5 - 156.5
	99	109	Lime	(8) 22.5 - 179.0
	109	113	Shale	(9) 22.5 - 201.5
	113	120	Lime	(10) 22.5 - 224.0
	130	142	Shale (Real Bed 135-140)	(11) 22.5 - 246.5
	142	181	Lime	(12) 22.5 - 269.0
	181	261	Shale (Sandy 181-184)	(13) 22.5 - 291.5
	261	282	Lime	(14) 22.5 - 314.0
	282	303	Shale (Real Bed 284-292)	(15) 22.5 - 336.5
	303	311	Lime	(16) 22.5 - 359.0
	311	339	Shale	(17) 22.5 - 381.5
	339	351	Lime	(18) 22.5 - 404.0
	351	370	Shale (Broken 354-357)	(19) 22.5 - 426.5
30'	370	397	Lime	(20) 22.5 - 449.0
	397	403	Shale (Slate 401-402)	(21) 22.5 - 471.5
20'	403	427	Lime	(22) 22.5 - 494.0
	427	431	Shale (Slate 429-430)	(23) 22.5 - 516.5
	431	439	Lime	(24) 22.5 - 539.0
	439	436	Shale	(25) 22.5 - 561.5
"Meridian"	436	443	Lime	(26) 22.5 - 584.0
	443	560	Shale (Broken 445-448) sandy shale 478-530)	(27) 22.5 - 606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.	
2	Soil	2	
15	Clay	17	
48	Shale	65	
6	Lime	71	
7	Shale	74	
18	Lime	92	
7	Shale	99	
10	Lime	109	
4	Shale	113	
17	Lime	130	
36	Shale	162	
19	Lime	181	
80	Shale	261	
19	Lime	282	
21	Shale	303	
8	Lime	311	
28	Shale	339	
12	Lime	351	
19	Shale	370	
30'	27	Lime	397
6'	20	Shale	403
20'	24	Lime	427
	4	Shale	431
	8	Lime	436
	2	Shale	436
"Meridian"	7	Lime	443
	117	Shale	560
	2	Sand	562
	20	Shale	602
	2	Lime	604
	3	Sand	607
	5	Shale	612
	11	Lime	623
	20	Shale	643
	10	Lime	653
	11	Shale	664
	2	Lime	666
	9	Shale	675
	8	Lime	683
	18	Shale	698
	16	Lime	701

HUGHES DRILLING REPORT

1720 FSL 3630 FEL
 API # 15-059-25919

Well No. I-3 SURFACE CASING
 Farm L.H.W. Size _____
 Feet _____
 Circulated _____ sx cement

PERMANENT CSG.
 Size 2 7/8" Bore EUE
 Feet 766 pipe T.D.
 Bolt at 759
 T. D. at Completion 777
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

STRATA THICKNESS	FORMATION DRILLED	T.D.
6	Shale	719
19	oil sand	734
38	Shale	772
1	lime	773
4	Shale	777
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
8/10/12	560	562	SAND (oil trace)	(28) 22.5-629.0
8/10/12	562	602	Shale (sandy 571-574) (Broken 579-592)	(29) 22.5-651.3
	602	604	Lime	(30) 22.5-674.0
	604	607	SAND (Lamin w/ shale. Some Breccia)	(31) 22.5-696.5
	607	612	Shale	(32) 22.5-719.0
	612	623	Lime	(33) 22.5-741.5
	623	643	Shale (Broken 628-631)	(34) 22.5-764.0
	643	653	Lime	
	653	664	Shale	
	664	666	Lime (Drawn)	
	666	675	Shale (slate 667-668)	
	675	683	Lime	
	683	693	Shale	
	693	701	Lime (oil trace)	
	701	715	Shale	
#1 Squirrel	715	734	oil sand (REMARKS P. 9)	
8/11/12	734	772	Shale (lime break 755) (LIME DRAWN 756-760)	
761'	772	773	Lime	
	773	777	Shale	
			T.D.	
	8-16-12		set 766' of 2 7/8" Bore EUE Bolt at 759' used 3 centralizers	

HUGHES DRILLING CO.

pg. 3

Wellsville, Kansas 66092

Roger 913-883-2235
Darrel 913-809-4027

Ray 913-883-4655
Clay 913-883-4383

LEASE Letter I-8
FORMATION #1 squirel
DATE: 8-16-72

~~Chip~~ Chip Sample

	FROM	FEET TO	TIME	MINUTES	REMARKS
1	715	716	}		sand very lamin w/shale (little bleed)
2	716	717			
3	717	718			
4	718	719	}		sand lamin w/shale
5	719	720			
6	720	721	}		
7	721	722			
8	722	723	}		sand slightly lamin w/shale (bleeding)
9	723	724			
10	724	725	}		solid sand (bleeding)
11	725	726			
12	726	727	}		(726-728 A Few thin shale segms)
13	727	728			
14	728	729	}		solid sand (excl. bleeding)
15	729	730			
16	730	731			
17	731	732	}		shale (Best Peat zone) 722-732 cont
18	732	733			
19	733	734			
20	734	735			