



KANSAS CORPORATION COMMISSION 1099858
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 #:
8/17/2012 8/18/2012 8/21/2012
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-059-25818-00-00
Spot Description:
SW NE SW Sec. 33 Twp. 15 S. R. 20 East West
1650 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-7
Field Name: Norwood
Producing Formation: Squirrel
Elevation: Ground: 949 Kelly Bushing: 0
Total Depth: 775 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: 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 Carrico Date: 11/08/2012



1099858

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: Lutter Well #: I-7
 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name GammaRay	Top Datum
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 <i>(If no. Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

List All E. Logs Run:
GammaRay/Neutron/CCL

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	7	50/50 POZ
Completion	5.6250	2.8750	8	760	Portland	108	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	716.0-725.0	2" DML RTG	9

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift 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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Sec 33, Twp 15, Rng 20
 Ft. Co., Kansas
 1650 FSL 3630 FEL
 API # 15-059-25818

HUGHES DRILLING REPORT

Well No. L-7 Size 7"
 Farm Lutter Feet 24'
 Circulated 7 ex cement

PERMANENT CSG.
 Size 78 gal EVE
 Feet 760 pipe T.D.
 Bolt at 753'
 T. D. at Completion 775'
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
8-17-12	0	2	Soil	(1) 21.5-21.5
	2	17	clay	(2) 22.5-44.0
24'	17	64	shale	(3) 22.5-66.5
8-20-12	64	70	Lime	(4) 22.5-89.0
5 1/8 PVC	70	15	shale	(5) 22.5-111.5
	25	91	lime	(6) 22.5-134.0
	91	99	shale (Dark) (slate 98-99)	(7) 22.5-156.5
	99	109	lime	(8) 22.5-179.0
	109	113	shale	(9) 22.5-201.5
	113	131	lime	(10) 22.5-224.0
	131	167	shale (Broken 133-139)	(11) 22.5-246.5
	167	183	lime	(12) 22.5-269.0
	183	261	shale (Sandy 185-189)	(13) 22.5-291.5
	261	283	lime	(14) 22.5-314.0
	283	302	shale (Red Bed 297-301)	(15) 22.5-336.5
	302	308	lime	(16) 22.5-359.0
	308	339	shale	(17) 22.5-381.5
	339	351	lime	(18) 22.5-404.0
	351	370	shale (Broken 352-356)	(19) 22.5-426.5
30'	370	394	lime	(20) 22.5-449.0
	394	401	shale (Slate 399-400)	(21) 22.5-471.5
20'	401	426	lime	(22) 22.5-494.0
	426	430	shale (Slate 429-430)	(23) 22.5-516.5
	430	434	lime	(24) 22.5-539.0
	434	436	shale	(25) 22.5-561.5
"Hethin"	436	443	lime	(26) 22.5-584.0
	443	561	shale (Broken 444-448) (Sandy 476-500) Broken 557-559	

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
15	Clay	17
27	Shale	64
6	Lime	70
5	Shale	75
16	Lime	91
8	Shale	99
20	Lime	109
4	Shale	113
18	Lime	131
36	Shale	167
17	Lime	183
78	Shale	261
22	lime	283
19	shale	302
6	lime	308
31	shale	339
12	lime	351
19	shale	370
30'	24	Lime 394
	7	shale 401
20'	25	Lime 426
	4	shale 430
	9	lime 434
"Hethin"	2	shale 436
	7	lime 443
	118	shale 561
	5	sand 566
	7	shale 573
	2	soil shale 575
	27	shale 602
	2	lime 604
	2	sand 606
	13	shale 619
	5	lime 624
	10	shale 634
	10	lime 654
	11	shale 665
	2	lime 667
	9	shale 676
	6	lime 682

HUGHES DRILLING REPORT

Well No. I-7
 Farm Lutter
 SURFACE CASING Size _____
 Feet _____
 Circulated _____ sx cement

PERMANENT CSG.
 Size 2 7/8" 8rd EUE
 Feet 760' pipe T.D.
Bolt at 753'
 T. D. at Completion 775
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

1650 FSL 7630 FEL
 API # 15-059-25818

STRATA THICKNESS	FORMATION DRILLED	T.D.
12	Shale	674
8	lime	702
5	Shale	707
9	BK sand	716
9	sand	725
30	shale	755
4	lt. Br sand	759
16	shale	775
		TO

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REP.	PIPE TALLY
	FROM	TO		
8/20/12	561	566	Sand (oil trace)	(27) 22.5-606.5
	566	573	Shale	(28) 22.5-629.0
	573	575	Sandy shale (oil trace)	(29) 22.5-651.5
	575	602	Shale (BK 595-599)	(30) 22.5-674.0
	602	604	lime	(31) 22.5-676.5
	604	606	sand (Lamin. 1/2" shale little black)	(32) 22.5-719.0
	606	619	Shale (BK 616-619)	(33) 22.5-741.5
	619	624	lime	(34) 22.5-764.0
	624	644	Shale (BK 629-632)	
	644	654	lime	
	654	665	Shale	
	665	667	lime (Browns)	
	667	676	Shale (slate 667-669)	
	676	682	lime	
	682	694	Shale	
	694	702	lime (soft + 696-700 some blacking)	
	702	707	Shale	
8/21/12	707	716	Broken sand } Remarks	
	716	725	sand } 3 P.S. 3	
	725	755	Shale (lime break TSDC)	
762	755	759	lt Brown sand	
8/21/12	759	775	Shale	
			T.D.	
			Set 760' of 2 7/8" 8rd EUE	
			Bolt at 753' used 3 centralizers	