



KANSAS CORPORATION COMMISSION 1099878
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>9/4/2012</u>	<u>9/5/2012</u>	<u>9/6/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26199-00-00
Spot Description: _____
NW SE NW NE Sec. 11 Twp. 16 S. R. 20 East West
4480 Feet from North / South Line of Section
1920 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Franklin
Lease Name: South McMillen Well #: I-5
Field Name: Leloup
Producing Formation: Squirrel
Elevation: Ground: 975 Kelly Bushing: 0
Total Depth: 806 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 40 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: 40 w/ 10 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 Gantso Date: 11/08/2012



1099878

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: South McMillen Well #: I-5
 Sec. 11 Twp. 16 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 (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input 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 (If no, Submit Copy) 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	40	Portland	10	50/50 POZ
Completion	5.6250	2.8750	8	790	Portland	103	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
4	746.0-753.0	2" DML RTG	7

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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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HUGHES DRILLING CO.

19

Wellsville, Kansas 66092

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

CORE TIME
LEASE S. McMiller #I-5
FORMATION #1 Squirrel
DATE: 9-5-12

Don 913-883-4855
Clay 913-883-4383

GRIP Chip Sample

FROM	FLEET TO	TIME	MINUTES	REMARKS
692	693	}		sand very lamin w/shale (some bleed)
693	694			
694	695	-		sand lamin w/shale (bleeding)
695	696	-		solid sand (good bleed)
696	697	-		sand slightly lamin w/shale (bleeding)
697	698	}		solid sand (Good bleed)
698	699			
699	700			
700	701	}		sand slightly lamin w/shale (bleeding)
701	702			
702	703			
703	704			
704	705	}		sand lamin w/shale (bleeding)
705	706			
706	707			
707	708	}		sand very lamin w/shale (some bleed)
708	709			
709	710			
710	711	}		shale (Best Part Zone) 695-705 CCH
711	712			
712	713			
713	714			

HUGHES DRILLING CO.

PS.1

Wellsville, Kansas 66092

Roger 913-889-2235
Darrel 913-889-4027

Ron 913-889-4655
Clay 913-889-4303

CORE TIME
LEASE S. Mcmillen #I-5
FORMATION #2 Squirrel
DATE: 9-5-72

(Chip Sample)

FROM	FEET TO	TIME	MINUTES	REMARKS
745	746	- Sdy lime -	(Some Bleeding)	
746	747	}	Solid Sand	(Bleeding)
747	748			
748	749			
749	750			
750	751			
751	752	}	Sand slightly lamin w/shale & mica	(Bleeding)
752	753			
753	754	}	Sand very lamin w/shale	(little bleed)
754	755			
755	756	}	Shale	(Some Sand 755-757) (Some bleed)
756	757			
757	758			
758	759			
759	760			(Best part zone) 746-753 core



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 39640

LOCATION Ottawa KS

FOREMAN Fred 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
9/6/12	3425	So Mc Millan # I-5	NE 11	16	20	FR
CUSTOMER <u>Hughes Drilling</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>122 Main St.</u>			506	Fred Mad	Safety Mtg	
CITY <u>Wellsville</u>			495	Kei Car	KE	
STATE <u>KS</u>			548	Mik Hoa	MH	
ZIP CODE						

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 806 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 790 DRILL PIPE Pin in Tubing @ 753. OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gall/sk _____ CEMENT LEFT in CASING 2 1/2" Plug 7'
 DISPLACEMENT 4.55 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Establish circulation. Mix Pump 100' Gel Flush. Mix Pump
SKS 50/50 Por Mix Cement 290 Gal. Cement to Surface Flush
plug & lines clean. Displace 2 1/2" Rubber plug to pin in casing
Pressure to 700' PSI. Hold & Monitor pressure for 30 min
MIT. Shut in Casing

Customer Supplied Water

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 ⁰⁰
5406	15mi	MILEAGE	495	60 ⁰⁰
5402	790	Casing Footage		Nic
5407	Minimum	Tax Miles	548	360 ⁰⁰
1124	1035145	50/50 Por Mix Cement		1127 ⁸⁵
11180	273 ^d	Premium Gel		57 ³³
4402	1	2 1/2" Rubber Plug		28 ⁰⁰
			7.6%	SALES TAX
				ESTIMATED
				TOTAL
				94 ⁶³
				2747 ⁸¹

SCANNED

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.

HUGHES DRILLING REPORT

Well No. I-5

Farmer S. McMiller

SURFACE CASING

Size 7"

Feet 40.0

Circulated 10 ex cement

PERMANENT CSG.

Size 2 7/8" 8rd EUE

Feet 790' Pipe T.D.

Bolt at 783'

T. D. at Completion 806

Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.
#5682

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
34	clay	36
16	shale	52
27	lime	79
7	shale	86
10	LIME	96
6	Shale	102
18	LIME	120
30	Shale	150
30	LIME	180
3	shale	183
4	Sand	187
65	shale	252
26	lime	278
9	shale	287
12	lime	299
24	shale	323
12	lime	335
24	shale	359
30	25 Lime	384
6	Shale	390
20	24 Lime	414
5	shale	419
4	LIME	423
2	shale	425
"Hertan"	6 Lime	431
114	shale	545
4	Sand	549
42	shale	591
2	Sand	593
9	shale	602
9	LIME	611
9	shale	620
4	LIME	624
10	shale	634
7	LIME	641
12	shale	653
3	LIME	656
11	shale	667
3	LIME	670
8	shale	678

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
9/4/12	0	2	Soil	(1) 21.5 - 21.5
40'	2	36	Clay	(2) 22.5 - 44.0
9/5/12	36	52	Shale	(3) 22.5 - 66.5
5 7/8"	52	79	Lime	(4) 22.5 - 89.0
PDL	79	86	Shale (Slate 84-85)	(5) 22.5 - 111.5
	86	96	Lime	(6) 22.5 - 134.0
	96	102	Shale	(7) 22.5 - 156.5
	102	120	Lime	(8) 22.5 - 179.0
	120	150	Shale	(9) 22.5 - 201.5
	150	180	Lime	(10) 22.5 - 224.0
	180	183	Shale	(11) 22.5 - 246.5
	183	187	Sand	(12) 22.5 - 269.0
	187	252	Shale	(13) 22.5 - 291.5
	252	278	Lime	(14) 22.5 - 314.0
	278	287	shale	(15) 22.5 - 336.5
	287	299	Lime	(16) 22.5 - 359.0
	299	323	shale	(17) 22.5 - 381.5
	323	335	Lime	(18) 22.5 - 404.0
	335	359	shale	(19) 22.5 - 426.5
30'	359	384	lime	(20) 22.5 - 449.0
	384	390	Shale (Slate 388-389)	(21) 22.5 - 471.5
20'	390	414	Lime	(22) 22.5 - 494.0
	414	419	Shale (Slate 418-419)	(23) 22.5 - 516.5
	419	423	Lime	(24) 22.5 - 539.0
	423	425	Shale	(25) 22.5 - 561.5
"Hertan"	425	431	Lime	(26) 22.5 - 584.0
	431	545	Shale (Broken 433-437) (Sdly 440-446)	

Sec. 11, Twp. 16, Rng. 20 (pg. 2)
 Ft. Co., Kansas
 4480 FSL 1920 FEL
 API # 15-059-26199

HUGHES DRILLING REPORT

Well No. I-5 Size.....
 Farm St. M. Miller Feet.....
 Circulated _____ ex cement

PERMANENT CSG.
 Size 2 7/8" 8rd EUE
 Feet 790' pipe T.D.
 Bolt at 783'
 T. D. at Completion 806

OPERATOR

Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
7	Lime	685
7	Shale	692
19	oil sand	711
25	Shale	736
1	Lime	737
6	Shale	743
1	Lime	744
1	Shale	745
12	oil sand	757
31	Shale	806
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	545	549	sand	(27) 22.5-606.5
	549	591	shale (Broken 579-587)	(29) 22.5-629.0
	591	593	sand (bleeding oil)	(29) 22.5-631.5
	593	602	shale	(32) 22.5-674.0
	602	611	lime	(31) 22.5-696.5
	611	620	shale	(32) 22.5-719.0
	620	624	lime	(33) 22.5-741.5
	624	634	shale	(34) 22.5-764.0
	634	641	lime	(35) 22.5-786.5
	641	653	shale (Broken 641-645)	
	653	656	lime (Brown) slate-686-690	
	656	667	shale (Broken 660-667)	
	667	670	lime	
	670	678	shale	
	678	685	lime (soft 678-680 bleeding oil)	
	685	692	shale	
#1 Squirrel	692	711	oil sand (Remarks pg 3)	
	711	736	shale	
	736	737	lime	
	737	743	shale	
	743	744	lime	
	744	745	shale	
#2 Squirrel	745	757	oil sand (Remarks pg 4)	
	757	806	shale	
			T.D.	
	7/6/12		set 790' of 2 7/8" 8rd EUE Bolt at 783'	

used 3 centralizers