

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1  
September 1999  
Form Must Be Typed

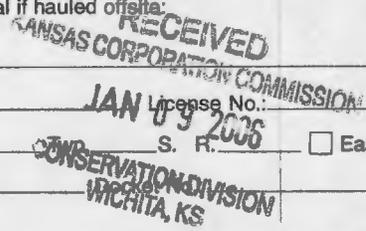
**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 5682  
 Name: Hughes Drilling Co.  
 Address: 122 N. Main  
 City/State/Zip: Wellsville, Ks. 66092  
 Purchaser: CMT  
 Operator Contact Person: Carl(Clay)Hughes  
 Phone: ( 913 ) 963-9127 or 785-883-2235  
 Contractor: Name: company tools  
 License: 5682  
 Wellsite Geologist: none  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_  

<u>4/5/05</u>	<u>4/19/05</u>	<u>9/14/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-25049 - 00 - 00  
 County: Franklin  
SE NW NW NE Sec. 11 Twp. 16 S. R. 20  East  West  
4080 4699 feet from (S) / N (circle one) Line of Section  
2075 2115 feet from (E) / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE (SE) NW SW  
 Lease Name: South McMillen Well #: 9  
 Field Name: LeLoup  
 Producing Formation: Squirrel  
 Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
 Total Depth: 784 Plug Back Total Depth: 776  
 Amount of Surface Pipe Set and Cemented at 25.70 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 776  
 feet depth to surface w/ 113 sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_



**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Carl C. Hughes  
 Title: Partner Date: 1/6/06  
 Subscribed and sworn to before me this 6<sup>th</sup> day of January,  
2006.  
 Notary Public: Brenda F. Vickers  
 Date Commission Expires: 12-03-09



**KCC Office Use ONLY**

NO Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Hughes Drilling Co. Lease Name: South McMillen Well #: 9  
 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

**Gamma Ray/ Neutron**

Log Formation (Top), Depth and Datum  Sample

Name Top Datum

Hertha 418-423  
 #1 Squirrel 683-699  
 #2 Squirrel 738-747

CASING RECORD <input 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	11 5/8	7	12	25.70	portland	7	
production	5 5/8	2 7/8	7	776	50/50poz mi	113	2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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	2" DML RTG 28 perfs 738.5-747.5	fracture-7000# sand	738.5-747

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 KANSAS CORPORATION COMMISSION  
 JAN 8 9 2006  
 CONSERVATION DIVISION  
 WICHITA, KS

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enh.	Producing Method
11/26/05	<input type="checkbox"/> Flowing <input checked="" 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
1	trace 1 26

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval \_\_\_\_\_

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

IND  
Form ACO-1  
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 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
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<u>4/5/05</u>	<u>4/19/05</u>	<u>9/14/05</u>
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API No. 15 - 059-25049-00-00  
 County: Franklin  
SE NW NW NE Sec. 11 Twp. 16 S. R. 20  East  West  
4880 feet from S / N (circle one) Line of Section  
2075 feet from E / W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: South McMillen Well #: 9  
 Field Name: LeLoup  
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 Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
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 Multiple Stage Cementing Collar Used?  Yes  No  
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 feet depth to surface w/ 113 sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
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 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No. \_\_\_\_\_  
 WICHITA, KS

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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.

Signature: Carl C. Hughes  
 Title: partner Date: 1/6/06  
 Subscribed and sworn to before me this 6<sup>th</sup> day of January  
2006.  
 Notary Public: Brenda F. Vickers  
 Date Commission Expires: 12-03-09



**KCC Office Use ONLY**

NO Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

COPY

Operator Name: Hughes Drilling Co. Lease Name: South McMillen Well #: 9  
 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

**Gamma Ray/ Neutron**

Log Formation (Top), Depth and Datum  Sample

Name Top Datum

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 #1 Squirrel 683-699  
 #2 Squirrel 738-747

CASING RECORD  New  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
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production	5 5/8	2 7/8	7	776	50/50poz mi)	113	2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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	2" DML RTG 28 perfs 738.5-747.5	fracture-7000# sand	738.5-747

RECEIVED  
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 JAN 09 2006  
 CONSERVATION DIVISION  
 WICHITA, KS

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
11/26/05	<input type="checkbox"/> Flowing <input checked="" 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
	1	trace	1		26

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify): \_\_\_\_\_

Op. - Hughes Drilling Co  
**HUGHES DRILLING REPORT**

4680 FSL  
 2075 FEL

S. 11 T16 R 20e  
 FORMATION DRILLED  
 APZ #15-059-25049

Well No. **#9** SET IN PIPE PERMANENT CSG. TUBING  
 Farm **Sarah Mc Miller** Size **7"** circ. Size **7** Sacks Feet **25.70** Feet **784**  
 Water Streak @ **Cond. good** cement Cond. **784**  
 Water Level @ **Top Sand** Surface T. D. at Completion **784**  
 Approved \_\_\_\_\_ Contractor **HUGHES DRILLING CO.**  
 Superintendent \_\_\_\_\_

STRATA THICKNESS	FORMATION	FEET
3	soil	3
28	clay	31
13	shale	44
26	lime	70
7	shale	77
10	lime	87
6	shale	93
17	lime	110
34	shale	144
28	lime	172
6	shale	178
4	sand	182
62	shale	244
21	lime	265
19	shale	284
7	lime	291
26	shale	317
10	lime	327
24	shale	351
24	lime	375
7	shale	382
28	lime	405
5	shale	410
4	lime	414
4	shale	418
5	lime	423
148	shale	571
3	lime	574
7	shale	581
3	sand	584
10	shale	594
9	lime	603
19	shale	622
9	lime	631
13	shale	644
3	lime	647
8	shale	655
6	lime	661

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
4/5/05		0	3	soil	① 21.0 - 21.0
25'		3	31	clay	② 22.5 - 43.5
1/13		31	44	shale	③ 22.5 - 66.0
1/2" button		44	70	lime	④ 22.5 - 88.5
		70	77	shale Dark (slate 74-75)	⑤ 22.5 - 111.0
		77	87	lime	⑥ 22.5 - 133.5
		87	93	shale	⑦ 22.5 - 156.0
		93	110	lime	⑧ 22.5 - 178.5
		110	144	shale	⑨ 22.5 - 201.0
		144	172	lime	⑩ 22.5 - 223.5
177'		172	178	shale	⑪ 22.5 - 246.0
14		178	182	Gray Sand (Hard 178-179)	⑫ 22.5 - 268.5
		182	244	shale	⑬ 22.5 - 291.0
		244	265	lime	⑭ 22.5 - 313.5
		265	284	shale	⑮ 22.5 - 336.0
		284	291	lime	⑯ 22.5 - 358.5
		291	317	shale	⑰ 22.5 - 381.0
		317	327	lime	⑱ 22.5 - 403.5
		327	351	shale (lime 334-335)	⑲ 22.5 - 426.0
30'		351	375	lime	⑳ 22.5 - 448.5
		375	382	shale (slate 378-379)	㉑ 22.5 - 471.0
20'		382	405	lime	㉒ 22.5 - 493.5
		405	410	shale	㉓ 22.5 - 516.0
		410	414	lime	㉔ 22.5 - 538.5
118'		414	418	shale	㉕ 22.5 - 561.0
Hearth		418	423	lime	㉖ 22.5 - 583.5
15		423	571	shale (Bnk 426-429)	㉗ 22.5 - 606.0

ITR 425 (Aug 31)  
 4/5/05 - Set 25.70' of 7" surface pipe  
 circulated 7 sacks cement to surface

# HUGHES DRILLING REPORT

Well No. **#9** Size..... Size.....  
 Farm **S. McMillen** Feet..... Feet.....  
 Water Streak @..... Cond..... Cond.....  
 Water Level @..... Top Sand.....  
 T. D. at Completion **784**  
 Contractor **HUGHES DRILLING CO.**  
Superintendent

## FORMATION DRILLED

STRATA THICKNESS	FORMATION DRILLED	FEET
8	shale	66'
7	lime	676
7	shale	68'
#1 sq. 16	Oil Sand	69'
29	shale	728
1	lime	729
7	shale	736
1	lime	737
1	shale	738
#2 sq. 9	oil sand	74'
37	shale	78'

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
		571	574	Line (Broken)	(28) 22.5-628.5
		574	581	shale	(29) 22.5-651.0
		<del>581</del>	<del>584</del>	<del>shale</del>	<del>(30) 22.5-673.5</del>
		<del>584</del>	<del>594</del>	<del>shale</del>	<del>(31) 22.5-696.0</del>
		581	584	sand (oil show) Hard	(32) 22.5-718.5
		584	594	shale	(33) 22.5-741.0
		594	603	lime	(34) 22.5-763.5
		603	622	shale	
		622	631	lime	
		631	644	shale	
		644	647	lime (Brown)	
		647	655	shale	
		655	661	lime	
		661	669	shale	
		669	676	lime	
		676	683	shale	
#1	Squirrel	683	699	Oil Sand (core time pg 3)	
		699	728	shale	
		728	729	lime	
		729	736	shale	
702		736	737	lime	
113		737	738	shale	
#2	Squirrel	738	747	Oil Sand (remarks pg. 4)	
		747	784	shale	
			TO		

4/19/05 - Set 776' of 2 7/8" 8-1/2" API pipe  
 used 3 centralizers  
 seating nipple at 720.10  
 Bolt in Bottom

# HUGHES DRILLING CO.

(Pg. 3)

Wellsville, Kansas 66092

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

CORE TIME

Ron 913-883-4655  
Clay 913-883-4383

LEASE S. Munillen #9

FORMATION 1<sup>st</sup> Squirrel

DATE: 4-5-05

(RPM 3<sup>rd</sup> core 2<sup>nd</sup> core)

FROM	FEET TO	TIME	MINUTES	REMARKS
683	684	chip sample	-	} sand very lamin w/shale (some bleeding oil)
684	685	chip sample	-	
① 685	686	1:54:00 - 1:55:15	1:15	} sand slightly lamin w/shale bleeding oil 685-685.5 shale & sdy lime No Oil 685.5-686.5 sand lamin w/shale B.O. 686.5-687  } solid sand bleeding oil 687-697  { A few scattered thin strips of shale
② 686	687	1:55:15 - 1:56:45	1:30	
③ 687	688	1:56:45 - 1:57:45	1:00	
④ 688	689	1:57:45 - 1:59:15	1:30	
⑤ 689	690	1:59:15 - 2:00:00	:45	
⑥ 690	691	2:00:00 - 2:00:45	:45	
⑦ 691	692	2:00:45 - 2:01:15	:30	
⑧ 692	693	2:01:15 - 2:02:00	:45	
⑨ 693	694	2:02:00 - 2:02:30	:30	
⑩ 694	695	2:02:30 - 2:03:15	:45	
⑪ 695	696	2:03:15 - 2:03:45	:30	
⑫ 696	697	2:03:45 - 2:04:30	:45	
⑬ 697	698	2:04:30 - 2:05:15	:45	} sand lamin w/shale bleeding oil
⑭ 698	699	2:05:15 - 2:06:00	:45	
⑮ 699	700	2:06:00 - 2:07:00	1:00	} SHALE
⑯ 700	701	2:07:00 - 2:07:45	:45	
⑰ 701	702	2:07:45 - 2:08:45	1:00	
⑱ 702	703	- STOP		
⑲ 703	704	-		} (Best Perf Zone 687-697 cor)
⑳ 704	705	-		

# HUGHES DRILLING CO.

(Pg. 4)

Wellsville, Kansas 66092

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

CORE TIME

Ron 913-883-4655  
Clay 913-883-4383

LEASE # 9 SOUTH McMillen

FORMATION # 2 Squirrel

DATE: 4/18/05

(Chip Sample)

FROM	FEET TO	TIME	MINUTES	REMARKS
738	739	Chip Sample		Slightly lamin w/shale (Bleeding Oil)
739	740	"		
740	741	"		
741	742	"		739-743 Solid Sand (Bleeding Oil)
742	743	"		
743	744	"		Solid Sand (Bleeding Oil)
744	745	"		A few streaks of shale + mica
745	746	"		Sand very lamin. w/shale + mica
746	747	"		(Bleeding Oil)
747	748	"		
748	749	"		SHALE
749	750	"		
				(Best Perf Zone)
				(738-747 cch)