

ORIGINAL

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

RECEIVED

JUL 31 2006

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: (785) 883-2235  
Contractor: Name: company tools  
License: \_\_\_\_\_

Wellsite Geologist: none  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  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. \_\_\_\_\_

1/19/06 1/26/06 3/3/06  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 059-25112-00-00  
County: Franklin  
SE NW SE NW Sec. 7 Twp. 17 S. R. 21  East  West  
3500 feet from S / N (circle one) Line of Section  
3305 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Hornsby Well #: 1  
Field Name: Paola-Rantoul

Producing Formation: Squirrel  
Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
Total Depth: 650 Plug Back Total Depth: 640  
Amount of Surface Pipe Set and Cemented at 24.40 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 640  
feet depth to surface w/ 86 sx cmt.

Drilling Fluid Management Plan Air II  
(Data must be collected from the Reserve Pit) 11-20-08  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: 7/28/06  
Subscribed and sworn to before me this 28<sup>th</sup> day of July  
2006  
Notary Public: Brenda F. Vickers  
Date Commission Expires: 12-03-09

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution



Operator Name: Hughes Drilling Co. Lease Name: Hornsby Well #: 1  
 Sec. 7 Twp. T17N R21E  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 <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Gamma Ray-Neutron</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  Hertha 252-257  #2 Squirrel 584-588.5 #3 Squirrel 598.5-604.5
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CASING RECORD <input type="checkbox"/> New <input checked="" 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	15	24.40	portland	10	
production	5 5/8	2 7/8	7	640	50/50 poz	86	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	16 perms 584.5-589.5 (2" DML RTG)	fracture-1500 #20-40 sand	584.5-604
	19 perms 598.5-604.5	5500# 12-20 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. <b>3/4/06</b>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
	5	trace	2		32

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

CONSOLIDATED OIL WELL SERVICES, INC.  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 5061  
 LOCATION Ottawa KS  
 FOREMAN Fred Mader

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-26-06	3425	Hornsby #1	7	17	21	FR
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address <u>Hughes Drilling</u>			<u>372</u>	<u>Fred</u>		
CITY <u>Wellsville</u>			<u>368</u>	<u>Casey</u>		
STATE <u>KS</u>			<u>122</u>	<u>Mark</u>		
ZIP CODE <u>66892</u>						

JOB TYPE Longstring HOLE SIZE 5 5/8 HOLE DEPTH 1050' CASING SIZE & WEIGHT 2 3/8" EOE  
 CASING DEPTH 640' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Rubber Plug  
 DISPLACEMENT 3.7 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Establish circulation. Mix & Pump 100# Premium Gel Flush  
Mix & Pump 88 SKS 50/50 Por Mix Cement. 270 Gal Cement  
to surface. Flush pump clean. Displace 2 1/2" rubber plug to  
Casing TD w/ 3.7 BBL Fresh Water. Pressure to 500 PSI  
Shut in Casing.

*Fred Mader*

Customer Supplied Water

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump	368	800.00
5406	15 mi	MILEAGE Pump Truck	368	47.25
5407	Minimum	Ton Mileage	122	275.00
1124	86 SKS	50/50 Por Mix Cement		683.70
1118B	6 SKS	Premium Gel		42.00
4402	1	2 1/2" Rubber Plug		18.00
Sub Total				1865.95
Tax @ 6.8%				50.57
SALES TAX ESTIMATED TOTAL				1916.55

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 KCC WICHITA

TITLE Watt 202432

AUTHORIZATION \_\_\_\_\_

DATE \_\_\_\_\_

OP - Hughes Drilling Co  
**HUGHES DRILLING REPORT**

Well No. #1 Size 7" (Circ.)  
 Farm. Hornsby Feet 24.40 (10 sack cement)  
 Water Streak @ Cond. Good  
 Water Level @ Top Sand  
 Approved \_\_\_\_\_  
 Superintendent \_\_\_\_\_

PERMANENT CSG. TUBING  
 Size \_\_\_\_\_ Size \_\_\_\_\_  
 Feet \_\_\_\_\_ Feet \_\_\_\_\_  
 Cond. \_\_\_\_\_ Cond. \_\_\_\_\_  
 T. D. at Completion 650'  
 Contractor HUGHES DRILLING CO.

3500 1<sup>st</sup> SL  
 3305 1<sup>st</sup> EL  
 5 7, T17, R21e  
 FORMATION DRILLED  
 API 12-059-25112

STRATA THICKNESS	FORMATION DRILLED	T.O.
2	Soil	2
17	clay	19
48	shale	67
23	lime	90
12	shale	102
3	sand	105
14	shale	119
7	lime	126
30	shale	156
10	lime	166
20	shale	186
30'	20 lime	212
6	shale	218
20'	22 lime	240
5	shale	245
4	lime	249
3	shale	252
Hertle	5 lime	257
151	shale	408
11	lime	419
21	shale	440
5	sand	445
25	shale	470
6	lime	476
13	shale	489
3	lime	492
10	shale	502
8	lime	510
7	shale	517
2	lime	519
2	shale	521
5	lime	526
6	shale	532
#159	5 sdy shale	537
27	shale	574
1	lime	575
3	shale	583
1	lime	583
1	shale	584
#259	4.5 oil sand	588.5
10	shale	598.5

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
1/19/06		0	2	Soil	① 21.5-21.5
		2	19	clay (some gravel 18-19)	② 22.5-44.0
24'		19	67	shale	③ 22.5-66.5
124/06		67	90	lime	④ 22.5-89.0
1/2 Cutlog Air		90	102	shale (sdy 94-102)	⑤ 22.5-111.5
		102	105	Gray Sand (Hard)	⑥ 22.5-134.0
		105	119	shale	⑦ 22.5-156.5
		119	126	lime	⑧ 22.5-179.0
		126	155	shale	⑨ 22.5-201.5
		156	166	lime	⑩ 22.5-224.0
		166	186	shale	Bit Trip ⑪ 22.5-246.5
30'		186	212	lime	⑫ 22.5-269.5
		212	218	shale (Slate 213-215)	⑬ 22.5-292.0
20'		218	240	lime	⑭ 22.5-314.5
		240	245	shale (Slate 242-243)	⑮ 22.5-337.0
		245	249	lime	⑯ 22.5-359.5
		249	252	shale	⑰ 22.5-382.0
"Hertle"		252	257	lime	⑱ 22.5-404.5
Bit Trip		257	408	shale (BRKpt 261-265)	⑲ 22.5-427.0
259 Bit		408	419	lime	⑳ 22.5-449.5
		419	440	shale	㉑ 22.5-472.0
		440	445	sand	㉒ 22.5-494.5
		445	470	shale (sdy 462-468) (Slate 469-470)	
		470	476	lime	㉓ 32.5-517.0
		476	489	shale	㉔ 22.5-539.5
		489	492	lime (Brown)	㉕ 22.5-562.0
		492	502	shale	㉖ 22.5-584.5

1/19/06 Set 24.40 of 7" surface pipe  
 10 sacks of cement circulated to surface

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JUL 31 2008

KCC WICHITA

10 20 50 trailer

# HUGHES DRILLING REPORT

SET IN PIPE

PERMANENT CSG.

TUBING

FORMATION DRILLED

Vell No. A 1 Size.....  
 Farm Hornsky Feet.....  
 Water Streak @ Cond.....  
 Water Level @ Top Sand.....  
 Approved.....  
 Superintendent

Size..... Size.....  
 Feet..... Feet.....  
 Cond..... Cond.....  
 T. D. at Completion 650'  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
#3 sq 6	Oil sand	604.5
18.5	shale	623
1	Lime	624
10	shale	634
1	Lime	635
15	shale	650
		TD

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
		502	510	Lime (Broken)	(27) 22.8 - 607.0
		510	517	shale (Broken)	(28) 22.5 - 629.5
		517	519	Lime	
		519	521	shale	
5/23		521	526	Lime (medium soft fossiliferous 521-524) (Bleeding Oil)	
1/25/06		526	532	shale (LT 530-532)	
	#1 sq.	532	537	sdly shale (core time pg. 3)	
		537	574	shale (Lime Break 567)	
		574	575	Lime	
		575	582	shale	
		582	583	Lime	
		583	584	shale	
	#2 sq.	584	588.5	Oil sand	
05'		588.5	598.5	shale (core time pg. 4)	
1/26	#3 sq.	598.5	604.5	Oil sand	
		604.5	623	shale (slate 622-623)	
		623	624	Lime	
		624	634	shale	
		634	635	Lime	
		635	650	shale	
				TD	
1/26/06				set 640' of 2 7/8" 8nd upper pipe used 3 centralizers Bolt in Bottom	

Start core 585  
 Kelly up 6" 585  
 220ts on Trailer

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 KCC WICHITA

532 320  
 257 257  
 225 225

# HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE Hornsby #1

FORMATION #1 Squirrel

DATE: 1/25/06

(RPM 3' Shovel Bit)

	FROM	FEET TO	TIME	MINUTES	REMARKS
	532	533	Chip Sample —		533-537
①	533	534	9:52:00-9:53:00	1:00	} Sdy shale A few widely scattered thin strips of sand (oil trace)
②	534	535	9:54:00	1:00	
③	535	536	9:55:15	1:15	
④	536	537	9:56:15	1:00	
⑤	537	538	9:57:30	1:15	stop APP joint
⑥	538	539	10:03:00-10:04:00	1:00	} Shale
⑦	539	540	10:05:00	1:00	
⑧	540	541	10:06:00	1:00	
⑨	541	542	10:07:15	1:15	
⑩	542	543	10:08:30	1:15	
⑪	543	544	10:09:45	1:15	
⑫	544	545	10:11:00	1:15	
⑬	545	546	10:12:00	1:00	
⑭	546	547	10:13:15	1:15	
⑮	547	548	10:14:15	1:00	
⑯	548	549	10:15:15	1:00	
⑰	549	550	10:16:15	1:00	
⑱	550	551	10:17:15	1:00	
⑲	551	552			
⑳	552	553			

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JUL 31 2006  
KCC WICHITA

# HUGHES DRILLING CO.

75.4

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE ~~Hornby~~ #1 Hornsby  
FORMATION 2<sup>nd</sup> + 3<sup>rd</sup> Squirrel  
DATE: 1/25/06

(RPM 3" Shave Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
584	585	Chip Sample	—	Sand very lamin. w/shale (Bleeding <sup>some</sup> oil)
① 585	586	2:06:00-2:07:00	1:00	- Sand slightly lamin w/shale (Bleeding oil)
② 586	587	2:07:45	:45	- Solid Sand
③ 587	588	2:08:45	1:00	- Sand lamin. w/shale (Bleeding oil)
④ 588	589	2:10:00	1:15	- Sdy Lime 588.5-588.5 (S.B.O)
⑤ 589	590	2:11:00	1:00	} shale KCC WICHITA 588.5-598.5
⑥ 590	591	2:12:15	1:15	
⑦ 591	592	2:13:15	1:00	
⑧ 592	593	2:14:30	1:15	
⑨ 593	594	2:15:30	1:00	
⑩ 594	595	2:16:30	1:00	
⑪ 595	596	2:17:15	:45	
⑫ 596	597	2:17:45	:30	
⑬ 597	588	2:18:30	:45	598.5-600
⑭ 598	599	2:19:15	:45	} Solid Sand (Good Bleeding)
⑮ 599	600	2:20:15	1:00	
⑯ 600	601	2:22:15	2:00	} white Sdy Lime (oil show at 601)
⑰ 601	602	2:23:30	1:15	
⑱ 602	603	2:24:30	1:00	} Solid Sand 601.5-602 (B.O)
⑲ 603	604	2:25:30	1:00	
⑳ 604	605	2:26:45	1:15	} Sand lamin w/shale 602-604.5 (Bleeding oil)
		↓ shale		Shale 604.5-

2/28/06 2" DMH-RTG  
Midwest Surveys Perched  
584.5-589.5 + 598.5-604.5 (Best Perf Zone 584-588.5)  
16 Perfs + 19 Perfs (CCN + 598.5-604.5)