

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. \_\_\_\_\_

5/17/06	5/22/06	6/27/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-25113-00-00  
 County: Franklin **KCC WICHITA**  
 SW    NW    SE    NW    Sec. 7 Twp. 17 S. R. 21  East  West  
3500 feet from (S) N (circle one) Line of Section  
3795 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 #: 2  
 Field Name: Paola-Rantoul  
 Producing Formation: Squirrel  
 Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
 Total Depth: 640 Plug Back Total Depth: 630  
 Amount of Surface Pipe Set and Cemented at 21.25 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 630  
 feet depth to surface w/ 87 sx cmt.

**Drilling Fluid Management Plan** *AH II NR*  
 (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 28th day of July  
06  
 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 #: 2  
 Sec. 7 Twp. 17 S. R. 21  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 checked="" 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  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Hertha</td> <td>245</td> <td>250</td> </tr> <tr> <td>#1 Squirrel</td> <td>525</td> <td>528</td> </tr> <tr> <td>#2 Squirrel</td> <td>575</td> <td>579</td> </tr> <tr> <td>#3 Squirrel</td> <td>589</td> <td>594</td> </tr> </table>	Name	Top	Datum	Hertha	245	250	#1 Squirrel	525	528	#2 Squirrel	575	579	#3 Squirrel	589	594
Name	Top	Datum														
Hertha	245	250														
#1 Squirrel	525	528														
#2 Squirrel	575	579														
#3 Squirrel	589	594														

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	21.25	portland	8	
production	5 5/8	2 7/8"	7	630	50/50 pozmix	87	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 <i>(Amount and Kind of Material Used)</i>	Depth
3	13 perms 575-579 & 16 perms 589-594	fracture-700# 20/40 sand & 6400# 12/20 sand	575-594
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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. 6/28/06		Producing Method <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. 2	Gas Mcf trace	Water Bbls. 1/2	Gas-Oil Ratio 33

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____



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

S, T, T17, R 21e  
 3500 FSL  
 3795 FSL  
 FORMATION DRILLED  
 API 15-059-25113

Well No. #2  
 Size 7" (7" 8.5" cement)  
 Feet 21.25'  
 Water Streak @  
 Water Level @ Top Sand  
 Approved  
 SUPERINTENDENT  
 PERMANENT CSG. TUBING  
 Size  
 Feet  
 Cond.  
 T. D. at Completion 640'  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T. D.
3	Soil	3
13	clay	16
44	shale	60
18	Lime	78
41	shale	109
5	Lime	114
35	shale	149
10	Lime	159
21	shale	180
30'	24 Lime	204
8	shale	212
20'	22 Lime	234
5	shale	239
5	Lime	244
1	shale	245
Hentha 5	Lime	250
152	shale	402
10	Lime	412
2	shale	414
3	Lime	417
48	shale	465
5	Lime	470
11	shale	481
2	Lime	483
13	shale	496
6	Lime	502
7	shale	509
2	Lime	511
1	shale	512
5	Lime	517
8	shale	525
159, 3	Bnk sand	528
36	shale	564
1	Lime	565
7	shale	572
1	Lime	573
2	shale	575
25, 4	oil sand	579
10	shale	589
35, 5	oil sand	594
21	shale	615

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
5/17/06		0	3	soil	1) 21.5-21.5
21'		3	16	clay	2) 22.5-44.0
5/18/06		16	60	shale	3) 22.5-66.5
5 1/8" Button Bit		60	78	Lime	4) 22.5-89.0
		78	109	shale (soly 82-93)	5) 22.5-111.5
		109	114	Lime	6) 22.5-134.0
		114	149	shale	7) 22.5-156.5
		149	159	Lime	8) 22.5-179.0
		159	180	shale	9) 22.5-201.5
30'		180	204	Lime	10) 22.5-224.0
		204	212	shale (slate 205-206)	11) 22.5-246.5
20'		212	234	Lime	12) 22.5-269.5
		234	239	shale (slate 237-238)	13) 22.5-292.0
		239	244	Lime	14) 22.5-314.5
		244	245	shale	15) 22.5-337.0
1" Hentha		245	250	Lime	16) 22.5-359.5
Bit Trip 262)		250	402	shale (Bnk 255-258)	17) 22.5-382.0
262)		402	412	Lime	18) 22.5-404.5
5/19/06		412	414	shale	19) 22.5-427.0
		414	417	Lime	20) 22.5-449.5
		417	465	shale	21) 22.5-472.0
		465	470	Lime	22) 22.5-494.5
		470	481	shale	23) 22.5-517.0
		481	483	Lime (Brown)	24) 22.5-539.5
		483	496	shale	25) 22.5-562.0
		496	502	Lime (Bnk)	26) 22.5-584.5
		502	509	shale	27) 22.5-607.0

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5/17/06 - SET 21.25' of 7" sun face pipe  
 circulated 8 sacks cement

Bit Trip 262

# HUGHES DRILLING REPORT

Well No. **# 2**      SET IN PIPE      PERMANENT CSG.      TUBING  
 Size.....      Size.....      Size.....  
 Farm **Hornsky**      Feet.....      Feet.....      Feet.....  
 Water Streak @.....      Cond.....      Cond.....  
 Water Level @.....      Top Sand.....      T. D. at Completion **640'**  
 Approved.....      Contractor **HUGHES DRILLING CO.**  
 Superintendent

## FORMATION DRILLED

STRATA THICKNESS	FORMATION DRILLED	T. D.
2	lime	617
3	shale	625
1	lime	626
14	shale	640
		TD

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
		509	511	lime	2822.5-629.5
		511	512	shale	
		512	517	lime (soft 512-515) (some bleeding)	
		517	525	shale	
		#1 Squirt	525	528	Broken sand (Remarks pg. 3)
			528	564	shale
			564	565	lime
			565	572	shale
			572	573	lime
			573	575	shale
		#2 Squirt	575	579	oil sand (core time pg. 4)
			579	589	shale
		#3 Squirt	589	594	oil sand (core time pg. 4)
		597'	594	615	shale
		5/22/06	615	617	lime
			617	625	shale
			625	626	lime
			626	640	shale
					TO
		5/22/06			Set 630' of 2 7/8 8rd upset pipe used 3 centralizers Bolt in Bottom

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START CORE 576  
 KD 14'  
 23 JFS left



# 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 Horasby #2

FORMATION #2 + #3 Squirrel

DATE: 5/19/06

3" shave bit  
(RPM)

FROM	FEET TO	TIME	MINUTES	REMARKS
574	575	Chip Sample		Sdy shale
575	576	" "		575-578
576	577	1:33:00 - 1:34:00	1:00	Solid Sand (Good Bleeding)
577	578	1:35:00	1:00	
578	579	1:36:00	1:00	
579	580	1:37:00	1:00	Sand lamina w/shale (Bleeding)
580	581	1:38:00	1:00	BEST Perf Zone 575-579 + 589-594 CCH
581	582	1:39:00	1:00	
582	583	1:40:15	1:15	
583	584	1:41:15	1:00	
584	585	ADD JOINT 1:42:00 - 1:42:45	:45	
585	586	1:48:45	1:00	SHALE Midwest Survey Perfed 6/22/06 575-579 - 13 Perfs 589-594 - 16 Perfs 2" DMH RTG 589-592
586	587	1:50:00	1:15	
587	588	1:51:00	1:00	
588	589	1:52:00	1:00	
589	590	1:53:15	1:15	
590	591	1:54:15	1:00	
591	592	1:55:15	1:00	
592	593	1:56:15	1:00	
593	594	1:57:15	1:00	
594	595	1:58:30	1:15	
595	596	1:59:30	1:00	SHALE (A few strips of sand 594-596)