

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL  
ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30555

Name: John Herrick

Address 1: 3553 Oregon

Address 2: \_\_\_\_\_

City: Ottawa State: KS Zip: 66067 + \_\_\_\_\_

Contact Person: John Herrick

Phone: ( 785 ) 242 6423

CONTRACTOR: License # 5682

Name: Hughes Drilling

Wellsite Geologist: None

Purchaser: Pacer Energy

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  SWD  SIOW

Gas  ENHR  SIGW

CM (Coal Bed Methane)  Temp. Abd.

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.  Conv. to SWD

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled Docket No.: \_\_\_\_\_

Dual Completion Docket No.: \_\_\_\_\_

Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_

5/16/11 5/18/11 5/18/11

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 059 25 600 . 00 . 00

Spot Description: The NE of the NE of the NE of SE

NE-NE-NE-SE Sec. 6 Twp. 17 S. R. 21  East  West

2470 Feet from  North /  South Line of Section

170 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: Franklin

Lease Name: Landry Well #: 4

Field Name: Paola-Rantoul

Producing Formation: Squirrel

Elevation: Ground: n/a Kelly Bushing: n/a

Total Depth: 807 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 761

feet depth to: 0 w/ 114 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. \_\_\_\_\_ 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: \_\_\_\_\_

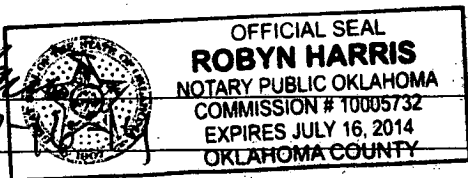
Title: Partner Date: 7/26/11

Subscribed and sworn to before me this 26 day of July

20 11

Notary Public: \_\_\_\_\_

Date Commission Expires: 07/16/14



KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Alt 2 - Dig - 8/2/11

Operator Name: John Herrick Lease Name: Landry Well #: 4  
 Sec. 6 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 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:  <p style="text-align: center;">Gamma Ray Neutron</p>	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Base of Hertha</td> <td></td> <td>375</td> </tr> <tr> <td>1st Squirrel</td> <td></td> <td>650-661</td> </tr> <tr> <td>2nd Squirrel</td> <td></td> <td>703-712</td> </tr> <tr> <td>3rd Squirrel</td> <td></td> <td>720-723</td> </tr> <tr> <td>TD</td> <td></td> <td>807</td> </tr> </table>	Name	Top	Datum	Base of Hertha		375	1st Squirrel		650-661	2nd Squirrel		703-712	3rd Squirrel		720-723	TD		807
Name	Top	Datum																	
Base of Hertha		375																	
1st Squirrel		650-661																	
2nd Squirrel		703-712																	
3rd Squirrel		720-723																	
TD		807																	

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	9"	8 5/8		20 ft.	Portland	5	
production	5 5/8	2 7/8		761	50/50 poz	114 sacks	

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
2	700-710 648-658  <div style="text-align: center; font-size: large; font-weight: bold;">RECEIVED JUL 29 2011 KCC WICHITA</div>	spot acid on perforations and fraced with 30-35 sacks of sand and 70 barrels of gelled water	

TUBING RECORD:    Size: <u>1"</u> Set At: <u>758</u> Packer At: <u>none</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>waiting on completion</u>		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.    Gas    Mcf    Water    Bbls.	Gas-Oil Ratio    Gravity <u>30</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>648-658 700-710</u>
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API # 059-25-600-00-00



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 31940  
LOCATION Ottawa  
FOREMAN Alan Mader

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-18-11	3334	bandry #4	SE 6	17	21	F1
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
John Herack			576	Alan M	Safety	Maetring
MAILING ADDRESS			368	Ken H	495	
3553 Oregon Rd			369	Harold B	HJB	
CITY	STATE	ZIP CODE	548	Tim L	Th	
Ottawa	Ks	66067				

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 807 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 761 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER pin 757  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT 4 DISPLACEMENT PSI 800 MIX PSI 200 RATE 5 ppm

REMARKS: Help crew making established rate. Mixed and pumped 100 lbs of flush hole followed by 114 5/8 ED150 por plus 80 gal. Circulated cement. Flushed pump. Pumped plug to pin @ 757'. Well held 800 PSI. Closed valve.

Hughes Drilling

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		975.00
5406	15	MILEAGE		60.00
5402	761	Casing footage		330.00
5407	114	ton miles		180.00
5502C	2	80 gal		58.40
1118	292#	gel		1191.30
1124	114	50150 por		28.00
1102	1	2 1/2 plug		
		NO# 241475		
		RECEIVED		
		JUL 29 2011		
		KCC WICHITA		
		7.8%	SALES TAX	99.66
			ESTIMATED TOTAL	2922.34

Revin 3737

*[Signature]*

AUTHORIZATION \_\_\_\_\_ 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.

Sec. 6, Twp. 17, Rng. 21  
 Franklin Co., Kansas  
 2470 FSL 170 FEL  
 API# 15-059-25600-00-0

# HUGHES DRILLING REPORT

**SURFACE CASING**  
 Well No. 4 Size 8"  
 Farm Landry Feet 20.15'  
 Circulated 5 sx cement

**PERMANENT CSG.**  
 Size 7 7/8 8rd EUE  
 Feet 761 Bolt at Bottom - 757'

Operator Jona Herrick  
 T.D. at Completion 807  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Soil	1
1	Lime	2
4	Clay	6
1	slate	7
11	Lime	18
6	Shale	24
2	lime	26
6	shale	32
16	Lime	48
5	shale	53
14	Sand	67
9	shale	76
19	Lime	95
17	Sand	112
72	shale	184
20	Lime	204
3	shale	207
11	sand	218
14	Shale	232
4	Lime	236
27	Shale	263
19	Lime	282
21	shale	303
25	Lime	328
6	Shale	334
20	Lime	358
5	shale	363
4	Lime	367
4	Shale	371
4	Lime	375
25	shale	400
12	GB sand	412
68	Shale	480
6	GB sand	486
41	Shale	527
3	Lime	532
2	shale	534
9	Lime	538
24	Shale	562
3	Lime	565
11	Shale	576

DATE	DRILLED		REMARKS - TYPE WORK - DRILLING DEP.	PIPE TALLY
	FROM	TO		
05/16/11	0	1	Soil	(1) 21.5-21.5
	1	2	Lime	(2) 22.5-44.0
	2	6	clay	(3) 22.5-66.5
	6	7	slate	(4) 22.5-89.0
	7	18	Lime	(5) 22.5-111.5
20'	18	24	shale	(6) 22.5-134.0
05/17/11	24	26	Lime	(7) 22.5-166.5
5 5/8 PDC	26	32	shale	(8) 22.5-179.0
	32	48	Lime	(9) 22.5-201.5
	48	53	shale (BRN 49-51)	(10) 22.5-224.0
	53	67	sand	(11) 22.5-246.5
	67	76	shale	(12) 22.5-269.0
	76	95	Lime	(13) 22.5-291.5
	95	112	sand	(14) 22.5-314.0
	112	184	shale	(15) 22.5-336.5
	184	204	Lime	(16) 22.5-359.0
	204	207	shale (slate 20)	(17) 22.5-381.5
	207	218	sand	(18) 22.5-404.0
	218	232	shale (BRN 226-232)	(19) 22.5-426.5
	232	236	Lime	(20) 22.5-449.0
	236	263	shale	(21) 22.5-471.5
	263	282	Lime	(22) 22.5-494.0
	282	303	shale	(23) 22.5-516.5
30'	303	328	Lime	(24) 22.5-539.0
	328	334	shale (slate 330-331)	(25) 22.5-561.5
20'	334	358	Lime	(26) 22.5-584.0
	358	363	shale (slate 359-360)	(27) 22.5-606.5

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KCC WICHITA

Drillers: Isaac Burbank  
 clay Hughes  
 Eric Schultz

Sec. 6, Twp. 17, Rng. 21  
FR Co., Kansas

### HUGHES DRILLING REPORT

2470 FSL 170 FEL  
API# 15-059-25600-00-00

Well No. 4      Size 2 7/8 8' d EVE  
 Farm Landry      Feet 761 Bolt at Bottom at 757  
 Circulated        sx cement

OPERATOR John Herrick      T. D. at Completion 807  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
	<del>LIME</del>	
10	Gray Sand	586
2	Lime	588
15	Shale	601
4	Lime	610
2	Shale	612
2	Lime	614
4	Shale	618
5	Lime	623
17	Shale	640
5	Lime	645
5	Shale	650
2	Sandy Lime	652
9	Sand	661
22	Shale	693
1	Lime	694
7	Shale	701
2	Lime	702
9	oil sand	712
8	Shale	720
3	oil sand	723
31	Shale	754
1	Lime	755
7	Shale	762
7	lt shale	769
36	Shale	805
1	Lime	806
1	Shale	807
	T.D.	

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/17/11	363	367	Lime	(28) 22.5-629.0
	367	371	Shale	(29) 22.5-651.5
"Heath"	371	375	Lime	(30) 22.5-674.9
	375	409	Shale (BRK 381-384)	(31) 22.5-696.5
	400	412	Gray Sand	(32) 22.5-719.0
	412	480	Shale	(33) 22.5-741.5
	480	486	Gray Sand	(34) 22.5-764.0
	486	527	Shale (BRK 512-515)	(35) 22.5-786.5
	527	532	Lime	
	532	534	Shale	
	534	538	Lime	
	538	562	Shale	
	562	565	Lime	
	565	576	Shale	
	576	586	<del>Shale</del> Gray Sand	
	586	588	Lime	
	588	601	Shale (slate 588-589) (BRK 593-601)	
	601	610	Lime	
	610	612	Shale	
	612	614	Lime	
	614	618	Shale	
	618	623	Lime	
	623	640	Shale	
"Heath"	640	645	Lime (Bleeding Oil 640-643)	
"#1 squirrel"	645	650	Shale	
	650	652	Sandy <del>Shale</del> Lime (oil Trace)	
	652	661	Sand (Remarks pg 4)	

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KCC WICHITA



# HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

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

CORE TIME  
LEASE Landry #4  
FORMATION #4 squirrel  
DATE: 5-17-11

~~Chip~~ chip sample

FROM	FEEET TO	TIME	MINUTES	REMARKS
650	651	}		sdy lime (0:1 Trace)
651	652			
652	653	}		Solid sand (Good Bleed) 652-656
653	654			
654	655			
655	656			
656	657	}		sand lamin, w/shale (Bleeding) 656-659
657	658			
658	659			
659	660	}		sand very lamin w/shale (Some Bleed) 659-661
660	661			
661	662	}		Shale
662	663			
663	664			
				RECEIVED
				JUL 29 2011
				KCC WICHITA

# HUGHES DRILLING CO.

Wellsville, Kansas 66092

P-2

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

CORE TIME

Ron 913-883-4355  
Clay 913-883-4383

LEASE Landry #4  
FORMATION #2 r #3 squirrel  
DATE: S-17-11

Ship Sample

FROM	FERT TO	TIME	MINUTES	REMARKS
703	704	-		Solid sand - (Bleeding) 703-704
704	705	}		sand lamin. w/shale (Bleeding) 704-706
705	706			
706	707	}		Solid sand (Bleeding) 706-711
707	708			
708	709			
709	710			
710	711			
711	712	-		Sand lamin. w/shale (Bleeding)
712	713	}		SHALE
713	714			
714	715			
715	716			
716	717			
717	718			
718	719			
719	720			
720	721	}		#3 Squirrel Solid sand (Bleeding) (720-723)
721	722			
722	723			
723	724	}		Shale
724	725			
725	726			

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