

ORIGINAL

KANSAS CORPORATION COMMISSION  
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

RECEIVED

DEC 14 2011

KCC WICHITA

OPERATOR: License # 5682  
Name: Hughes Drilling Company  
Address 1: 122 N. Main  
Address 2: \_\_\_\_\_  
City: Wellsville State: Ks Zip: 66092 + 8522  
Contact Person: Carl (Clay) Hughes  
Phone: (785) 883-2235  
CONTRACTOR: License # 5682  
Name: Hughes Drilling Company  
Wellsite Geologist: none  
Purchaser: High Sierra

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 #: \_\_\_\_\_  
8/15/11    8/17/11    9/7/11  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 091-23,531-00-00  
Spot Description: \_\_\_\_\_  
S2 S2 SW SE Sec. 36 Twp. 14 S. R. 21  East  West  
220 Feet from  North /  South Line of Section  
1,980 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Johnson  
Lease Name: Braun Well #: 30  
Field Name: Longanecker Southeast  
Producing Formation: Bartlesville  
Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_  
Total Depth: 905 Plug Back Total Depth: 886  
Amount of Surface Pipe Set and Cemented at: 27 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 886  
feet depth to: surface w/ 121 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 #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

**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.  
Signature: Carl C. Hughes  
Title: Partner Date: 12/12/11

**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: Dls Date: 12/20/11

Operator Name: Hughes Drilling Company Lease Name: Braun Well #: 30

Sec. 36 Twp. 14 S. R. 21  East  West County: Johnson

**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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i></p> <p>List All E. Logs Run: <b>Gamma Ray/Neutron</b></p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample</p> <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>392-399</td> <td></td> </tr> <tr> <td>Bartlesville</td> <td>847-854</td> <td></td> </tr> </table>	Name	Top	Datum	Hertha	392-399		Bartlesville	847-854	
Name	Top	Datum								
Hertha	392-399									
Bartlesville	847-854									

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"	6 1/4"	15#	27	portland	7	
Production	5 5/8"	2 7/8"	7#	890	50/50 poz	121	2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth
3	25 perms- 847'-855' -2" DML RTG	fracture-3,500#	847-855

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. 9/8/11	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 Bbbs. 2	Gas Mcf trace	Water Bbbs. 1
Gas-Oil Ratio		Gravity 24	

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 <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 847-855
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**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720

620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

TICKET NUMBER 32782  
LOCATION Ottawa KS  
FOREMAN Fred Maden

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/17/11	3425	Braun 30	SE 36	14	21	JO
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address Hughes Drilling 122 Main St			506	FREMAD	Safety	Wdg
CITY	STATE	ZIP CODE	495	CASKEN	CK	
Wellsville	KS	66092	558	NARBEC	AKA	

JOB TYPE Long string HOLE SIZE 5 5/8 HOLE DEPTH 905' CASING SIZE & WEIGHT 2 1/8 EUE  
 CASING DEPTH 890 DRILL PIPE Pn @ TUBING 886' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 5' + Plug  
 DISPLACEMENT 5.15 BB DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE SBPM

REMARKS: Establish circulation. Mix + Pump 100# Premium Gel Flush.  
Mix + Pump 121 sks 50/50 Por Mix Cement 2% Gel. Cement  
to surface. Flush pump + lines clean. Displace 2 1/2" Rubber  
plug to pin in casing w/ 5.15 BBs Fresh water. Pressure to  
600# PSI. 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	975 <sup>00</sup>
5406	25	MILEAGE	495	100 <sup>00</sup>
5402	890	Casing footage	538	N/C
5407	Minimum	Ton of Miles		330 <sup>00</sup>
1124	121 sks	50/50 Por Mix Cement		1264 <sup>45</sup>
118B	304#	Premium Gel		60 <sup>00</sup>
4402	1	2 1/2" Rubber plug		28 <sup>00</sup>
			7.525%	SALES TAX
				ESTIMATED
				TOTAL
				101 <sup>00</sup>
				2860 <sup>00</sup>

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KCC WICHITA

# 243626

Revin 3737

AUTHORIZATION

*[Signature]*

TITLE

DATE

# HUGHES DRILLING REPORT

Well No. 30  
 Farm Brown  
 SURFACE CASING  
 Size 1 1/4  
 Feet 27.0  
 Circulated 7 sx cement

PERMANENT CSG.  
 Size 2 1/8 Bnd EUE  
 Feet 390.00 pipe T.D.  
 Bolt at 886.00  
 T. D. at Completion 905  
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
1/5/11	7	7	Soil	(1) 21.5 - 21.5
3/16/11	2	25	Clay	(2) 22.5 - 44.0
27'	25	39	Shale	(3) 22.5 - 66.5
5 3/8 DL	39	64	Lime	(4) 22.5 - 89.0
5 3/8 DL	64	72	Shale (slate 64-65)	(5) 22.5 - 111.5
	72	80	Lime	(6) 22.5 - 134.0
	80	85	Shale	(7) 22.5 - 156.5
	85	104	Lime	(8) 22.5 - 179.0
	104	122	Shale (Red Bed 106-108)	(9) 22.5 - 201.5
	122	128	Gray Sand	(10) 22.5 - 224.0
	128	131	Shale	(11) 22.5 - 246.5
	131	158	Lime	(12) 22.5 - 269.0
	158	184	Shale	(13) 22.5 - 291.5
	184	196	Lime	(14) 22.5 - 314.0
	196	216	Shale	(15) 22.5 - 336.5
	216	226	Lime	(16) 22.5 - 359.0
	226	236	Shale	(17) 22.5 - 381.5
	236	246	Lime	(18) 22.5 - 404.0
	246	265	Shale (Broken 260-265)	(19) 22.5 - 426.5
	265	273	Lime	(20) 22.5 - 449.0
	273	280	Shale	(21) 22.5 - 471.5
	280	285	Lime	(22) 22.5 - 494.0
	285	328	Shale (lime 317-319)	(23) 22.5 - 516.5
30'	328	352	Lime	(24) 22.5 - 539.0
	352	359	Shale (slate 354-355)	(25) 22.5 - 561.5
20'	359	383	Lime	(26) 22.5 - 584.0
	383	386	Shale (slate 385-386)	(27) 22.5 - 606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.	
2	Soil	2	
23	Clay	25	
14	Shale	39	
25	Lime	64	
8	Shale	72	
8	Lime	80	
5	Shale	85	
19	Lime	104	
18	Shale	122	
6	6" Sand	128	
3	Shale	131	
27	Lime	158	
26	Shale	184	
12	Lime	196	
20	Shale	216	
10	Lime	226	
10	Shale	236	
10	Lime	246	
19	Shale	265	
8	Lime	273	
7	Shale	280	
5	Lime	285	
43	Shale	328	
30	24	Lime	352
7	Shale	359	
20'	24	Lime	383
3	Shale	386	
3	Lime	389	
3	Shale	392	
Hertha	7	Lime	399
17	Shale	510	
4	Lime	514	
17	Shale	531	
8	Lime	539	
14	Shale	613	
3	Lime	615	
15	Shale	630	
9	Lime	639	
17	Shale	656	
2	Lime	658	
48	Shale	706	

Drillers: Eric Schurz & Isaac Burbank

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# HUGHES DRILLING REPORT

Well No. 30 Size.....  
 Farm Brown Feet.....  
 Circulated \_\_\_\_\_ sx cement

PERMANENT CSG.  
 Size 2 1/8 Bore EVE  
 Feet 890.00 pipe T.D.  
 Bolt at 886.05  
 T. D. at Completion 905  
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

22.0 FSL 1980 FEL  
 API # 15-091-23531-00-00

STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Lime	707
48	Shale	755
2	Lime	757
80	Shale	839
1	Red bed	839
8	Shale	847
7	Dil sand	854
51	Shale	905
		TD

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
8-7-11	386	389	Lime	(28) 22.5-629.0
	389	392	Shale	(28) 22.5-651.5
Hickman	392	399	Lime	(30) 22.5-674.0
	399	570	Shale (BRK 403-407)	(31) 22.5-676.5
	570	574	Lime	(32) 22.5-719.0
	574	591	Shale (BRK 578-581)	(33) 22.5-741.5
	591	599	Lime	(34) 22.5-764.0
	599	613	Shale	(35) 22.5-786.5
	613	615	Lime	(36) 22.5-809.0
	615	630	Shale	(37) 22.5-831.5
	630	639	Lime	(38) 22.5-854.0
	639	656	Shale (Red Bed 643-646)	(39) 22.5-876.5
	656	658	Lime	(40) 22.5-894.0
	658	706	Shale	
	706	707	Lime	
	707	755	Shale (752-753 shale)	
	755	757	Lime	
	757	835	Shale (BRK 796-798)	
	835	839	Red Bed	
	839	847	Shale	
Bartholomew	847	854	Dil sand (Remarks pg. 3)	
	854	905	Shale	
875			TD	
8/17/11	8-17-11		Set 890' of 2 1/8" Bore EVE Bolt at 886 Used 3 centralizers	

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 KCC WICHITA

Drillers: Isaac Butkoff  
 Clay Hughes  
 Eric Schulz

T: 315-25  
 11/17/11

