

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

OPERATOR: License # 5682  
Name: Hughes Drilling Co.  
Address 1: 122 N. Main  
Address 2: \_\_\_\_\_  
City: Wellsville State: Ks Zip: 66092 + 8522  
Contact Person: Carl (Clay) Hughes  
Phone: (913) 963-9127  
CONTRACTOR: License # 5682  
Name: Hughes Drilling Co.  
Wellsite Geologist: \_\_\_\_\_  
Purchaser: High Sierra

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Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 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 #: \_\_\_\_\_  
4/6/11    4/8/11    5/11/11  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 091-23,450-0000  
Spot Description: \_\_\_\_\_  
NW SE SW SE Sec. 36 Twp. 14 S. R. 21  East  West  
440 402 Feet from  North /  South Line of Section  
1,760 1731 Feet from  East /  West Line of Section  
675-KCC Dg  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Johnson  
Lease Name: Braun Well #: 16-1  
Field Name: Longanecker Southeast  
Producing Formation: Bartlesville  
Elevation: Ground: n/a Kelly Bushing: \_\_\_\_\_  
Total Depth: 905 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 35.0 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 890.75  
feet depth to: surface w/ 124 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: 5/23/11

**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: Dg Date: 6/7/11

Operator Name: Hughes Drilling Co. Lease Name: Braun Well #: 16-1

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.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, 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>401</td> <td>409</td> </tr> <tr> <td>Bartlesville</td> <td>856</td> <td>864</td> </tr> </table>	Name	Top	Datum	Hertha	401	409	Bartlesville	856	864
Name	Top	Datum								
Hertha	401	409								
Bartlesville	856	864								

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 7/8	8"	15	35.0'	portland	8	none
Production	5 1/4	2 7/8"	7	890.75'	50/50 poz	124	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	856-864	150 gallons of HCl Acid (23 ball sealers)	856-864
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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.	Producing Method: <input type="checkbox"/> Flowing <input 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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# HUGHES DRILLING REPORT

Well No. 16-I Size 8" SURFACE CASING PERMANENT CSG.  
 Farm Braun Feet 35.0 Feet  
 Circulated 8 ex cement

OPERATOR Hughes Drilling

T. D. at Completion 905  
 Contractor HUGHES DRILLING CO.

440 FSL 1760 FEL  
 API # 15-091-23450

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
31	clay	33
14	shale	47
25	lime	72
8	shale	80
9	lime	89
4	shale	93
21	lime	114
29	shale	143
26	lime	169
24	shale	193
12	lime	205
20	shale	225
9	lime	234
10	shale	244
16	lime	255
17	shale	274
8	lime	282
6	shale	288
6	lime	294
43	shale	337
30'	24' lime	361
8	shale	369
20'	23' lime	392
3	shale	395
2	lime	397
4	shale	401
11"	lime	409
171	shale	580
5	lime	585
14	shale	599
8	lime	607
15	shale	622
2	lime	624
12	shale	636
11	lime	647
14	shale	661
1	lime	662
53	shale	715
1	lime	716
49	shale	765

DATE	DRILLED		REMARKS - TYPE WORK -- BILLING REF.	PIPE TALLY
	FROM	TO		
4/6/11	0	2	Soil	① 21.5-21.5
	2	33	clay	② 22.5-44.0
35'	33	47	shale	③ 22.5-66.5
4-7-11	47	72	lime	④ 22.5-89.0
5/8 PDC	72	80	shale	⑤ 22.5-111.5
	80	89	lime	⑥ 22.5-134.0
	89	93	shale	⑦ 22.5-156.5
	93	114	lime	⑧ 22.5-179.0
	114	143	shale (Red Bed 115-117)	⑨ 22.5-201.5
	143	169	lime	⑩ 22.5-224.0
	169	193	shale (sandy 169-177)	⑪ 22.5-246.5
	193	205	lime	⑫ 22.5-269.0
	205	225	shale	⑬ 22.5-291.5
	225	234	lime	⑭ 22.5-314.0
	234	244	shale	⑮ 22.5-336.5
	244	255	lime	⑯ 22.5-359.0
	255	274	shale (Broken 270-273)	⑰ 22.5-381.5
	274	282	lime	⑱ 22.5-404.0
	282	288	shale	⑲ 22.5-426.5
	288	294	lime	⑳ 22.5-449.0
	294	337	shale (lime 325-326)	㉑ 22.5-471.5
30'	337	361	lime	㉒ 22.5-494.0
	361	369	shale (slate 365-367)	㉓ 22.5-516.5
20'	369	392	lime	㉔ 22.5-539.0
	392	395	shale (slate 392-393)	㉕ 22.5-561.5
	395	397	lime	㉖ 22.5-584.0
	397	401	shale	㉗ 22.5-606.5

4/6/11 set 35.0' of 8" surface pipe  
 circulated 8 sk cement

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55  
 85

(P3)

Sec. 36, Twp. 14, Rng. 21  
12 Co., Kansas

# HUGHES DRILLING REPORT

440 FSL 1670 FEL  
API# 15-091-23450

Well No. 16-I Size \_\_\_\_\_ Size \_\_\_\_\_  
Farm Brown Feet \_\_\_\_\_ Feet \_\_\_\_\_  
Circulated \_\_\_\_\_ sx cement

OPERATOR Hughes Drilling

T. D. at Completion 905  
Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Lime	760
81	shale	855
1	Lime	856
8	oil sand	864
41	shale	905
		TD

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
4-7-11	401	409	Lime	(28) 225-629.0
	409	580	shale (Broken 423-418)	(29) 225-651.5
	580	585	Lime	(30) 225-674.0
	585	599	shale (Broken 588-589)	(31) 225-696.5
	599	607	Lime	(32) 225-719.0
	607	622	shale	(33) 225-741.5
	622	624	Lime (Brown)	(34) 225-764.0
	624	636	shale (slate 626-627)	(35) 225-786.5
	636	647	Lime (Broken)	(36) 225-809.0
	647	661	shale	(37) 225-831.5
	661	662	Lime	(38) 225-854.0
	662	715	shale	(39) 225-876.5
	715	716	Lime	(40) 225-899.0
	716	760	shale	
	760	760	Lime	
	760	855	shale (some Red Bed 849-851)	
	855	856	Lime	
4-8-11	856	864	oil sand (Remarks Pg 3)	
875	864	905	shale (Lime Break 871-892)	
			TD	
4/8/11	Set		890.75' of 2 7/8" 3rd EUE pipe	
			0017 at 886.75	
			used 3 centralizers	

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**CONSOLIDATED**  
Oil Well Services, LLC

API 15-091-23450-00-00

TICKET NUMBER 31808  
LOCATION Ottawa  
FOREMAN Alan Madar

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-8-11	3425	Braun 16 -E	SE 36	14	21	JO
CUSTOMER Hughes Drilling			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 122 Main			516	Alan M	Safety Meeting	
CITY Wellsville			495	Herman	KTB	
STATE KS			503	AKM	Arlen Ma	
ZIP CODE 66092						

JOB TYPE loss string HOLE SIZE 5 7/8 HOLE DEPTH 905 CASING SIZE & WEIGHT 2 7/8  
CASING DEPTH 890 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER pin @ 886  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
DISPLACEMENT 5.15 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held crew meeting. Established rate. Mixed + pumped 100 # gel. Mixed + pumped 127 sk 50150 po2, 2 1/2 gel. Circulated cement. Flushed pump pumped plug to pin @ 886'. Well held 800 PSI for 30 min M.T. Closed valve.

Hughes Drilling + water  
Taylor Herman observed Alan Madar

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		975.00
5406	25	MILEAGE		100.00
5402	890'	casing footage		
5407	min	for mileage		330.00
11183	308#	gel		61.60
1124	124	50150 po2		1295.00
4402	1	2 1/2 plug		28.00
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				SALES TAX 104.26
				ESTIMATED TOTAL 2894.66

**SCANNED**

WO # 240469

AUTHORIZATION [Signature] 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.