

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

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 #: \_\_\_\_\_

4/1/11	4/6/11	5/11/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 091-23,446-0000

Spot Description: \_\_\_\_\_  
NE SW NW SE Sec. 36 Twp. 14 S. R. 21  East  West  
1,760 Feet from  North /  South Line of Section  
1,995 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Johnson

Lease Name: Braun Well #: 19-1

Field Name: Longanecker Southeast

Producing Formation: Bartlesville

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

Total Depth: 900 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 31.3 Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from: 889.75'

feet depth to: surface w/ 130 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

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- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: DG Date: 6/6/11

Operator Name: Hughes Drilling Co. Lease Name: Braun Well #: 19-1

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>396</td> <td>402</td> </tr> <tr> <td>Bartlesville</td> <td>850</td> <td>859</td> </tr> </table>	Name	Top	Datum	Hertha	396	402	Bartlesville	850	859
Name	Top	Datum								
Hertha	396	402								
Bartlesville	850	859								

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	31.3'	portland	8	none
Production	5 1/4	2 7/8"	7	889.75'	50/50 poz	130	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	850-859	150 gallons of HCl Acid (25 ball sealers)	850-859

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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) _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# HUGHES DRILLING REPORT

SURFACE CASING

PERMANENT CSG.

We do 19-2 Size 8"

Size.....

Feet 31.3'

Feet.....

Circulated 8 sacks cement

T. D. at Completion 900

OPERATOR Hughes Drilling Co.

Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
26	clay	28
16	shale	44
6	lime	50
2	shy shale	52
15	lime	67
8	shale	75
9	lime	84
4	shale	88
19	lime	107
27	shale	134
23	lime	157
27	shale	184
11	lime	195
26	shale	221
8	lime	229
9	shale	238
11	lime	249
18	shale	267
8	lime	275
6	shale	281
7	lime	288
48	shale	332
30'	22' lime	354
7	shale	361
20'	23' lime	384
4	shale	388
4	lime	397
4	shale	396
"H"	6' lime	402
169	shale	571
5	lime	576
4	shale	580
3	lime	583
10	shale	593
7	lime	600
13	shale	613
3	lime	616
7	shale	620
12	lime	634
3	shale	637

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
4/1/11	0	2	soil	(1) 21.5-21.5
31'	2	28	clay	(2) 22.5-44.0
4/5/11	28	44	shale	(3) 22.5-66.5
5 7/8 PDC	44	50	lime	(4) 22.5-89.0
	50	52	sandy shale	(5) 22.5-111.5
	52	67	lime	(6) 22.5-134.0
	67	75	Dark shale (slate 73-74)	(7) 22.5-156.5
	75	84	lime	(8) 22.5-179.0
	84	88	shale	(9) 22.5-201.5
	88	107	lime	(10) 22.5-224.0
	107	134	shale	(11) 22.5-246.5
	134	157	lime	(12) 22.5-269.0
	157	184	shale	(13) 22.5-291.5
	184	195	lime	(14) 22.5-314.0
	195	221	shale	(15) 22.5-336.5
	221	229	lime	(16) 22.5-359.0
	229	238	shale	(17) 22.5-381.5
	238	249	lime	(18) 22.5-404.0
	249	267	shale (BRK 263-267)	(19) 22.5-426.5
	267	275	lime	(20) 22.5-449.0
	275	281	shale	(21) 22.5-471.5
	281	288	lime	(22) 22.5-494.0
	288	332	shale	(23) 22.5-516.5
30'	332	354	lime	(24) 22.5-539.0
	354	361	shale (slate 359-360)	(25) 22.5-561.5
20'	361	384	lime	(26) 22.5-584.0
	384	388	shale (slate 387-388)	(27) 22.5-606.5

4/1/11 - set 31.3' of 8" surface pipe  
circulated 8 sacks cement

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# HUGHES DRILLING REPORT

1760 FSL 1995 FEL  
 API# 15-091-23446

Well No. 19-F      Size.....      Size.....  
 Farm Braun      Feet.....      Feet.....  
 Circulated \_\_\_\_\_ sx cement

OPERATOR Hughes Drilling Co.      T. D. at Completion 900  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
8	Red Bed	645
10	Shale	655
1	Lime	656
53	Shale	709
1	Lime	710
48	Shale	759
3	Lime	761
22	Shale	783
4	Red Bed	787
63	Shale	850
9	oil sand	859
41	shale	900
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	388	392	Lime	(28) 22.5 - 629.0
	392	396	Shale	(29) 22.5 - 651.5
"Hertna"	396	402	Lime	(30) 22.5 - 674.0
	402	571	shale (Brk 406-410) (sdy)	(31) 22.5 - 696.5
	571	576	Lime	(32) 22.5 - 719.0
	576	580	shale	(33) 22.5 - 741.5
	580	583	Lime	(34) 22.5 - 764.0
	583	593	Shale	(35) 22.5 - 786.5
	593	600	Lime	(36) 22.5 - 809.0
	600	613	shale	(37) 22.5 - 831.5
	613	616	Lime (Brown)	(38) 22.5 - 854.0
	616	622	shale	(39) 22.5 - 876.5
	623	634	LIME	(40) 22.5 - 899.0
	634	637	shale	
	637	645	Red Bed	
	645	655	shale (slate 645-646)	
	655	656	Lime	
	656	709	shale (Broken 659-668)	
	709	710	Lime	
	710	759	shale (733-736 sandy) (slate)	
	759	761	Lime	(757-758)
	761	783	Shale (Brk 766-769)	
	783	787	Red Bed	
	787	850	Shale	
"Battlesville"	850	859	Oil sand (remarks pg. 3)	
	859	905	shale	
875			T.D.	

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4/6/11  
 905 TD

4/6/11 set 889.75' of 2 7/8" 8rd EUE Pipe  
 Bolt at 885.75  
 used 3 centralizers

# HUGHES DRILLING CO.

Pg 3

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE BRAUN #19-I  
FORMATION Bartlesville  
DATE: 4/5/11

Chip Sample  
(RPM)

FROM	FEET TO	TIME	MINUTES	REMARKS
850	851			sand lamin w/shale (bleeding)
851	852	}		solid sand (good bleed)
852	853			
853	854			
854	855			
855	856			
856	857			
857	858			sand lamin w/sandy lime (bleeding)
858	859			sand very lamin w/shale (some bleed)
859	860	}		shale
860	861			
861	862			
				(Best Perf Zone 850-859)

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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 31827  
LOCATION Ottawa KS  
FOREMAN Fred Mader

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/6/11	3425	Braun # 19. I	SE 36	14	21	JO.
CUSTOMER			TRUCK #			
Mailing Address			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
Wellsville			KS			
66092			DM			

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 900' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 890' DRILL PIPE PMA TUBING 886, OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug  
 DISPLACEMENT 5.15 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Establish circulation. Mix + Pump 100# Premium Gel  
Flush. Mix + Pump 130 sks 50/50 Poz Mix Cement / 2% Premium Gel. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber Plug to pin incasing w/ 5.15 BBL Fresh Water. Pressure to 650\* PSI. Hold pressure for 30 min MIT. Shut in casing

*Fred Mader*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		975 <sup>00</sup>
5406	25	MILEAGE		100 <sup>00</sup>
5402	890'	Casing Footage		N/C
5407	Minimum	Ten Miles		330 <sup>00</sup>
5502C	2 hrs	80 BBL Vac Truck		180 <sup>00</sup>
1124	130 sks	50/50 Poz Mix Cement		1358 <sup>50</sup>
1116B	319*	Premium Gel		63 <sup>80</sup>
4402	1	2 1/2" Rubber Plug		28 <sup>00</sup>
		WD # 240352		
		7525 <sup>70</sup>	SALES TAX	109 <sup>44</sup>
			ESTIMATED TOTAL	3144 <sup>44</sup>

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Rev'n 3737

AUTHORIZATION *Clay* 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.