

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

**COPY**

Operator: License # 5682  
Name: HUGHES DRILLING CO.  
Address: 122 N. MAIN  
WELLSVILLE, KS.  
City/State/Zip: 66092  
Purchaser: CRUDE MARKETING  
Operator Contact Person: Carl G. Hughes  
Phone: (913) 883-2235  
Contractor: Name: HUGHES DRILLING CO.  
License: 5682  
Wellsite Geologist: none

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD \_\_\_\_\_  
Plug Back \_\_\_\_\_ PSTD \_\_\_\_\_  
Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
Other (SWD or Inj?) Docket No. \_\_\_\_\_  
Spud Date 10/29/97 Date Reached TD 10/31/97 Completion Date 10/31/97

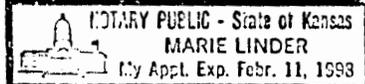
API NO. 15- 091-22,826  
County JOHNSON  
SE - NE - SW - NE Sec. 36 Twp. 14 Rge. 21  E  
3585 Feet from 3 M (circle one) Line of Section  
1350 Feet from 1 W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)  
Lease Name BRAUN Well # 17  
Field Name LONGANECKER  
Producing Formation BARTLESVILLE  
Elevation: Ground na KB \_\_\_\_\_  
Total Depth 917 PSTD \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 21.10 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 902  
feet depth to surface w/ 97 sx cat.

Drilling Fluid Management Plan AA-2, 5-8-98 etc.  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used RECEIVED  
KANSAS CORPORATION COMMISSION  
Location of fluid disposal if hauled offsite:  
FEB 09 1998  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. WICHITA, KS Rng. 3 E/W \_\_\_\_\_  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 2/6/98  
Subscribed and sworn to before me this 6th day of Feb.  
98  
Notary Public Marie Linder  
Date Commission Expires 2/11/1998



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Operator Name HUGHES DRILLING CO. Lease Name BRAUN Well # 17

Sec. 36 Twp. 14 Rge. 21  East  West  
 County JOHNSON

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 HERTHA 399 407  
 BARTLESVILLE 856 863

GAMMA-RAY NEUTRON

(Well log attached)

CASING RECORD  New  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	6 5/8	17	21	portland	5	none
production	2 1/2	5 1/4	7	902	50/50 POZ	97	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 (Amount and Kind of Material Used)	Depth
2	855.5-862.5	FRAC (3600# sand)	855.5-862.5

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 11/25/97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 2 Bbls. Gas trace Mcf Water 1/4 Bbls. Gas-Oil Ratio 24 Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)  
 Production Interval 855.5-862.5