

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

Operator: License # 5682

Name: HUGHES DRILLING CO.

Address 122 N. MAIN

WELLSVILLE, KS. 66092

City/State/Zip \_\_\_\_\_

Purchaser: N/A

Operator Contact Person: CARL C. 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 WSW 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. \_\_\_\_\_

7/10/95 7/13/95 8/8/95  
Spud Date Date Reached TD Completion Date

API NO. 15- 091-22,649 36-14-21A

County JOHNSON **COPY**

NE - NE - NW SE Sec. 36 Twp. 14 Rge. 21  E  W

2557 Feet from S/N (circle one) Line of Section

1415 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name BRAUN Well # WSW #1

Field Name LONGANECKER SE

Producing Formation BURGESS

Elevation: Ground na KB \_\_\_\_\_

Total Depth 1114' PSTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 30 Feet

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes  No

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

If Alternate II completion, cement circulated from 1103

feet depth to surface w/ 132 sx cat.

Drilling Fluid Management Plan ALT 2 JH 5-24-96  
(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 Rng. \_\_\_\_\_ 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 \_\_\_\_\_ 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.

SEP 13 1995

Signature Carl C. Hughes

Title partner Date 9-11-95

Subscribed and sworn to before me this 11th day of Sept. 19 95.

Notary Public Marie Linder

Date Commission Expires Feb. 11, 1998

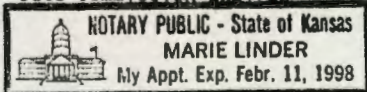
**RECEIVED**  
STATE CORPORATION COMMISSION

**K.C.C. OFFICE USE ONLY**  
Conservation Division  
Wichita, Kansas

F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C \_\_\_\_\_ Geologist Report Received

**Distribution**

KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
 KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify) FS



Operator Name HUGHES DRILLING CO. Lease Name BRAUN Well # WSW #1

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 gas if gas to surface during test. Attach extra sheets 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 Name	Formation (Top)	Depth	Datum	Sample
	HERTHA	390	397	
	BURGESS	1043	1086	

GAMMA-RAY, NEUTRON

(DRILLERS LOG ATTACHED)

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	6 1/4	15	30	portland	8	
production	5 1/4	2 7/8	7	1103	50/50 POZ	132	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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
1 every 9"	1065-1080	(20 shots)	150 gal. 15% HCL ACID	1065-1080

TUBING RECORD Size 1" Set At 1040 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 8/9/95 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 80 Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravi'

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 1065-1080

CONTRACTOR

HUGHES DRILLING COMPANY  
 122 NORTH MAIN  
 WELLSVILLE, KANSAS 66092

OPERATOR

HUGHES DRILLING CO.

LOG

BRAUN

WSW #1

JOHNSON CO., KS.

SEC. 36, TWP 13s, RNG 21e

NE, NE, NW, SE

**COPY**

API # 15-091-22,649

2557FSL

1415FNL

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	SOIL	2	171	SHALE	568
26	CLAY	28		(slate 552-553)	
15	SHALE	43		(sdy 560-568)	
5	LIME	48	6	LIME	574
4	GRAY SAND(hard)	52	3	SHALE	577
14	LIME	66	4	LIME	581
7	DARK SHALE	73	6	SHALE	587
9	LIME	82	9	LIME	596
5	SHALE	87	11	SHALE	607
19	LIME	106	3	LIME (brown)	610
23	SHALE	129	5	SHALE	615
23	LIME	152	13	LIME	628
2	SHALE	177	5	SHALE	633
11	LIME	188	9	RED BED	642
27	SHALE	215	7	SHALE	649
9	LIME	224		(slate 646-647)	
10	SHALE	234	8	LIME	657
11	LIME	245	6	SHALE	663
18	SHALE	263		(lt. 660-663)	
9	LIME	272	3	GRAY SAND	666
4	SHALE	276	48	SHALE	714
8	LIME	284	1	LIME	715
42	SHALE (lime 315-316)	326	12	SHALE	727
25	LIME 30'	351		LT. BROWN SAND	730
6	SHALE (slate 355-356)	357		(very lamin.)	
23	LIME 20' ○	380	22	SHALE	752
4	SHALE (slate 383-384)	384	3	LIME	755
4	LIME	388		CONSERVATION DIVISION	
2	SHALE	390		Wichita, Kansas	
7	LIME "HERTHA"	397	80	SHALE	835
			6	RED BED	841
			2	SHALE	843
			1	SDY LIME	844
			7	OIL SAND	851
				"BARTLESVILLE"	
			22	SHALE	873
				(limebreak-857)	

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**SEP 13 1995**  
 CONSERVATION DIVISION  
 Wichita, Kansas

(CONTINUED)

CONTRACTOR

HUGHES DRILLING COMPANY  
122 NORTH MAIN  
WELLSVILLE, KANSAS 66092

OPERATOR

COPY

LOG

BRAUN WSW #1  
(cont.)

API #

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
17	DARK SHALE	890			
21	SHALE (some red bed 895-902)	911			
6	GRAY SAND (lamin. with shale)	917		7/10/95-7/13/95	
3	SDY LIME	920		Drilled 1114' of 5 1/4" hole	
12	SHALE (sdy 920-925)	932		7/10/95	
8	GRAY SAND	940		Set 30' of 6 1/4" surface pipe	
7	SDY SHALE	947		cemented in with 8 sacks cement	
13	GRAY SAND	960		7/13/95	
34	SDY SHALE	994		Sampled Burgess zone 1043-1086	
	GRAY SAND (solid, coarse)	1009		7/13/95	
2	LIME	1011		Set 1103.50' of 2 7/8" 8rd upset pipe	
31	SDY SHALE (vry sdy 1035-1042)	1042		Seating Nipple set at 1040'	
1	LIME	1043		used 4 centralizers	
43	GRAY SAND (solid, coarse)	1086		Float shoe on bottom	
2	LIME	1088			
18	SHALE	1106			
8	LIME	1114			
		T.D.			

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SEP 13 1995

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Wichita, Kansas