

MUST BE TYPED

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

API NO. 15- 091-22710  
County JOHNSON **COPY**  
SE. SE. NW. NE Sec. 36 Twp. 14 Rge. 21 **XX**

Operator: License # 5682  
Name: HUGHES DRILLING CO  
Address 122 N. MAIN  
WELLSVILLE, KS.  
City/State/Zip 66092

4130 Feet from (S)N (circle one) Line of Section  
1554 Feet from (E)W (circle one) Line of Section

Purchaser: CMI  
Operator Contact Person: Carl C. HUGHES  
Phone ( 913 ) 883-2235

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

Contractor: Name: HUGHES DRILLING CO.  
License: 5682  
Wellsite Geologist: none

Lease Name STEPHENS Well # 3A  
Field Name LONGANECKER SE

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  S1OW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Producing Formation BARTLESVILLE  
Elevation: Ground na KB       
Total Depth 866' PBDT     

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  PBDT  
 Commingled Docket No.       
 Dual Completion Docket No.       
 Other (SWD or Inj?) Docket No.       
9/10/96 9/13/96 3/24/97  
Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 20' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set      Feet  
If Alternate II completion, cement circulated from 853  
feet depth to surface w/ 105 ex cat

Drilling Fluid Management Plan AH-2 1-9-98 v.c.  
(Data must be collected from the Reserve Pit)

Chloride content      ppm Fluid volume      bbbl  
Dewatering method used       
Location of fluid disposal if hauled offsite:       
Operator Name       
Lease Name      License No.       
     Quarter Sec.      Twp.      S Rng.      E/I  
County      Docket No.     

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colera 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 4/2/97  
Subscribed and sworn to before me this 2nd day of April,  
19 97.  
Notary Public Marie Linder  
Date Commission Expires Feb. 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  NEPA  
 KGS  Plug  Other  
(Specify) IS

NOTARY PUBLIC - State of Kansas  
MARIE LINDER  
My Appt. Exp. Febr. 11, 1998

East

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test 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 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 Formation (Top), Depth and Datum  Sample

Name	Top	Datum
HERTHA	401	407
BARTLESVILLE	853	860

(DRILLERS LOG ATTACHED)  
(CORE DETAILS 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 1/4	15	20	portland	5	none
production	5 1/8	2 7/8	7	853	50/50 POZ	105	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 Recor- Dep (Amount and Kind of Material Used)
(open Hole)		fracture- 30 sacks sand 853-860

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	none			

Date of First, Resumed Production, SWD or Inj.	Producing Method
3/25/97	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1 1/2	none	1/4		24

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  
853-860

HUGHES DRILLING COMPANY  
 122 NORTH MAIN  
 WALSVILLE, KANSAS 66092

Stephens, Gillin, RCD

LOG  
 STEPHENS

COPY

Well #3A

API # 15-091-227180000

Johnson Co., Ks.

4130' FSL of Section

Sec. 36, Twp. 14S, Rng. 21E

1554' FEL of Section

Approx. SE NW NE

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	26	Lime 30'	361
27	Clay	29	6	Shale	367
	Shale	46	21	Lime 20'	388
5	Lime	51	6	Shale	394
5	Shale (Some gray sand)	56		(Slate 393-394)	
			4	Lime	398
1	Lime	71	3	Shale	401
8	Shale(Dark)	79	6	Lime "HERTHA"	407
8	Lime	87	34	Shale	441
6	Shale	93		(Brk. 412-416)	
18	Lime	111	7	Gray Sand	448
1	Shale	123		(Solid)	
	(Lamin. w/ Red Bed 113-118)			(Gas bubbles)	
			131	Shale	579
12	Gray Sand (Solid 125-133) (Good sand)	135		(Sdy. 520-527)	
				(Slate 562-563)	
			4	Lime	583
3	Shale	138	15	Shale	598
				(Lime 588-589)	
20	Lime	158	6	Lime	604
13	Shale	171	14	Shale	618
5	Gray Sand(Solid)	176	3	Lime(Brown)	621
6	Shale	182	5	Shale	626
13	Lime	195	10	Lime	636
28	Shale	223	7	Shale	643
10	Lime	233	9	Red Bed	752
10	Shale	243	11	Shale	663
11	Lime	254		(Lime 659-660)	
17	Shale	271	3	Lime	666
8	Lime	279	46	Shale	712
6	Shale	285		(Sdy. 672-677)	
8	Lime	293	1	Lime	713
42	Shale (Lime 324-325)	335	11	Shale	724
			1	Lime	725
			11	Shale	736

RECEIVED  
 KANSAS CORP COMM  
 1997 APR 25 A 11:22

CONTRACTOR

OPERATOR

GHES DRILLING COMPANY  
2 NORTH MAIN  
WILLSVILLE, KANSAS 66092

COPY

LOG

Stephens

Well # 3A

API #

Johnson County, KS.

cont.

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
	Brown Sand (#2 SQUIRREL") (Lamin. w/shale)	738			
4	Shale	762			
2	Lime	764			
55	Shale	829			
2	Slate	831			
22	Shale (Some Red Bed 846-849)	853			
7	Oil Sand ("BARTLESVILLE")	860			
6	Shale	866T.D.			

9/10/96-9/13/96

Drilled 866' of hole (5 1/8")

(Core slot 853-866')

9/10/96

Set 20.20' of 6 1/4" surface pipe.

Cemented in with 5 sacks cement.

9/12/96

Cored "BARTLESVILLE ZONE 853'-866'.

9/13/96

Set 853' of 2 7/8" 8 rd. upset pipe.

Used 3 centralizers.

Seating nipple set on top of rubber swedge packer.

Seating nipple at 852' (1' above core slot.)

# HUGHES DRILLING CO.

Wellsvi Kansas 66092

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

CORE TIME

**COPY** Ron 913-883-4655  
Clay 913-883-4383

LEASE Stephens #3A

FORMATION Bartlesville

DATE: 9/12/96

(RPM Shave Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
853	854	7:30:00 - 7:05:45	2:45	Solid Sand (Good Bleeding 0:1)
854	855	7:05:45 - 7:14:30	8:45	stop - Sdy white shale (A few strips of sand)
855	856	7:16:30 - 7:20:30	4:00	stop - Solid Sand (Good Bleeding 0:1)
856	857	7:25:00 - 7:30:00	5:00	stop - slightly lamin. w/shale
857	858	9:30:00 - 9:30:45	:45	856-857 (Bleeding 0:1)
859	859	9:30:45 - 9:31:30	:45	Hard sand (few shale streaks) Bleeding 0:1
859	860	9:31:30 - 9:32:45	1:15	Slightly lamin. w/shale (Bleeding 0:1)
860	861	9:32:45 - 9:35:15	2:30	Sdy shale (A few sand strips)
861	862	9:35:15 - 9:38:00	2:45	} SHALE
862	863	9:38:00 - 9:41:30	3:30	
863	864	9:41:30 - 9:44:30	3:00	
864	865	9:44:30 - 9:47:30	3:00	
865	866	9:47:30 - 9:50:30	3:00	
<del>866</del>	<del>867</del>	STOP		
<del>867</del>	<del>868</del>			
<del>868</del>	<del>869</del>			
<del>869</del>	<del>870</del>			
<del>870</del>	<del>871</del>			
<del>871</del>	<del>872</del>			
<del>872</del>	<del>873</del>			
		(completed open Hole)		
		9/13/96		

CORE CATCHER  
BAD

(NOTE - Sand from 856 to 860 is finer grained sand than top 3')

RECEIVED  
SEP 23 11:22 AM '96