

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

COPY

API NO. 15- 091-22,869
County JOHNSON
SW SW NE NE Sec. 36 Twp. 14 Rge. 21 XX
4130 Feet from S/N (circle one) Line of Section
1154 Feet from E/W (circle one) Line of Section

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

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name STEPHENS Well # 4A
Field Name LONGANECKER SE

Purchaser: _____
Operator Contact Person: Carl C. Hughes
Phone (785) 883-2235

Producing Formation BARTLESVILLE
Elevation: Ground na KB
Total Depth 873 PBTD

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

Amount of Surface Pipe Set and Cemented at 21 Feet
Multiple Stage Cementing Celler Used? XX Yes XX No
If yes, show depth set _____ Feet

Designate Type of Completion
XX New Well _____ Re-Entry _____ Workover _____
XX Oil _____ SWD _____ S10W _____ Temp. Abd.
_____ Gas _____ ENHR _____ SIGW _____
_____ Dry _____ Other (Core, MSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from 853
feet depth to surface w/ 98 ex cat.

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 _____ PBTD
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____
1/15/99 1/20/99 1/20/99
Spud Date Date Reached TD Completion Date

Drilling Fluid Management Plan AH-7, 6499 UO.
(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 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 5/20/99
I have read and sworn to before me this 20th day of May, 1999.
Notary Public Marie Linder
Date Commission Expires Feb. 11, 2002

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



CONSERVATION DIVISION
Wichita, Kansas

Operator Name HUGHES DRILLING CO.Lease Name STEPHENSWell # 4ASec. 36 Twp. 14 Rge. 21 EastCounty JOHNSON West

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 ex. 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 NoCores Taken Yes NoElectric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

 Log Formation (Top), Depth and Datum Sample

Name Top Datum

HERTHA 399 406

BARTLESVILLE 852 860

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 1/2	15	21	portland	5	none
production	5 1/4	2 1/2	7	853	50/50 poz	98	2% ge

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
	(OPEN HOLE-COMPLETION)		

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, SMD or Inj.	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	Efficiency

Disposition of Gas:

 Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

 Open Hole Perf. Quality Comp. Cemented 853-860 Other (Specify) _____

Production Interval

HUGHES DRILLING CO.

Wellsville, Kansas 66092

ORIGINAL *Page 3*

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

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

CORE TIME
LEASE STEPHENS #4A
FORMATION Bartlesville
DATE: 1-19-99

(RPM Slow Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
852	853	Chip Sample		very lamin w/shale (same B.O.)
853	854	2:25:00 - 2:25:30	:30	1 - Solid sand (bleeding oil)
854	855	2:25:30 - 2:26:15	:45	2 - lamin. w/shale (bleeding oil)
855	856	2:26:15 - 2:27:15	1:00	Sand slighly lamin. w/shale (bleeding oil)
856	857	2:27:15 - 2:28:00	:45	
857	858	2:28:00 - 2:29:00	1:00	
858	859	2:29:00 - 2:29:45	:45	
859	860	2:29:45 - 2:31:30	1:45	7 - lamin. w/shale (bleeding oil)
860	861	2:31:30 - 2:34:45	3:15	8 -
861	862	2:34:45 - 2:38:00	3:15	SHALE
862	863	2:38:00 - 2:42:00	4:00	
863	864	2:42:00 - 2:45:45	3:45	
864	865	2:45:45 - 2:49:30	3:45	
865	866	2:49:30 - 2:53:45	4:15	
866	867	2:53:45 - 2:56:00	2:15	
867	868	2:56:00 - 3:00:00	4:00	
868	869	3:00:00 - 3:03:00	3:00	
869	870	3:03:00 - 3:07:30	4:30	
870	871	3:07:30 - 3:11:30	4:00	
871	872	3:11:30 - 3:15:15	3:45	SLATE
872	873	3:15:15 - 3:17:15	2:00	

RECORDED
STATE COMMISSION
JUN 9 1999
Wichita, Kansas

ORIGINAL
OPERATOR

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

1/15/99-1/20/99

Hughes Drilling Company
122 N. Main
Wellsville, KS 66092

LOG

Stephens
Well #4A
Johnson Co., KS.
SW SW NE NE
Sec. 36, Twp. 14Sm Rbg, 21E

API # 15-091-2286900

4130' FSL of Section
1154' FEL of sect.

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	5	Gray Sand (Solid) (Knobtown)	447
28	Clay	30			
23	Shale	53	131	Shale	578
5	Lime	58	4	Lime	582
4	Shale (Some Gray Sand)	62	5	Shale	587
16	Lime	78	2	Lime	589
8	Shale (Dark)	86	7	Shale	596
8	Lime	94	6	Lime	602
5	Shale	99	15	Shale	617
19	Lime	118	3	Lime	620
24	Shale (Sdy. 128-135)	142	53	Shale	625
21	Lime	163	9	Lime	6
16	Shale	179	24	Shale (Red Bed 641-646)	658
4	Gray Sand	183	3	Lime	661
4	Shale	187	65	Shale	726
14	Lime	201	1	Lime	727
27	Shale	228	8	Shale	735
9	Lime	237	2	Brown Sand (#2 SQUIRREL)	737
11	Shale	248	25	Shale	762
10	Lime	258	2	Lime	764
19	Shale	277	65	Shale (Limebreak 771)	839
14	Lime	291	1	Lime	840
43	Shale (Lime 323-324)	334	12	Shale (Red Bed 844-846)	852
26	Lime 30'	360	8	Oil Sand ("BARTLESVILLE")	860
5	Shale	365			
22	Lime 20'	387	13	Shale	873 T.D.
5	Shale	392			
4	Lime	396			
3	Shale	399			
7	Lime ("HERTHA")	406			
36	Shale (Brk. 411-414)	442			

STATE OF KANSAS
CONSERVATION DIVISION

JUN 11 1999

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL
OPERATOR

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HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

1/15/99-1/20/99

Hughes Drilling Company
122 N. Main
Wellsville, KS 66092

LOG

Stephens
Well #4A
Johnson Co., KS.
SW SW NE NE
Sec. 36, Twp. 14Sm Rbg, 21E

API # 15-091-22869000C

4130' FSL of Section
1154' FEL of section

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4	Shale (Some Gray Sand) (Some Gray Sand)	62	5	Shale	587
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5	Shale	99	15	Shale	617
19	Lime	118	3	Lime	620
24	Shale (Sdy. 128-135)	142	53	Shale	625
2	Lime	163	9	Lime	634
16	Shale	179	24	Shale (Red Bed 641-646)	658
4	Gray Sand	183	3	Lime	661
4	Shale	187	65	Shale	726
14	Lime	201	1	Lime	727
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STATE OF KANSAS COMMISSION

JUN 6 1999

CONSERVATION DIVISION
Wichita, Kansas

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG

Stephens
Well # 4A
cont.

API #

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
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Stephens Well #4A

1/15/99-1/20/99

Drilled 873' of hole (5 1/8")

Core slot 853'-873'.

1/15/99

Set 21.10' of 6 1/4" surface pipe.

Cemented in with 5 sacks cement.

1/19/99

Red "BARTLESVILLE ZONE" 853'-873'.

1/20/99

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

Seating nipple at 851'.

Rubber swedge cone packer set on top
of core slot (853')

Used 3 centralizers.

STATE OF KANSAS
COMMISSION

JUN 3

WELLSVILLE, KANSAS