

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

ORIGINAL

API NO. 15- 067-21, 147A -0001

Operator: License # 9953  
Name: Harris Oil and Gas Company  
Address 410 17th St., Suite 2310  
  
City/State/Zip Denver, CO 80202  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Bud Harris  
Phone (303) 623-3336  
Contractor: Name: Murfin Drilling Company  
License: 30606  
Wellsite Geologist: 2-13-92

County Grant  
E/2-SE - NE - Sec. 31 Twp. 29S Rge. 38W E  
3300 Feet from S/N (circle one) Line of Section  
330 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 Johnson C OWWO Well # 4  
Field Name Big Bow  
Producing Formation P & A  
Elevation: Ground N/A KB N/A  
Total Depth 5850 PBTD \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 1770 Feet  
Multiple Stage Cementing Collar Used? Yes X No \_\_\_\_\_  
If yes, show depth set \_\_\_\_\_ Feet

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

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STATE CORPORATION COMMISSION  
FEB 17 1992  
CONSERVATION DIVISION  
Wichita, Kansas

Alternate II completion, cement circulated from \_\_\_\_\_  
Test depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
Drilling Fluid Management Plan ALFI DTD  
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:  
Operator: Amoco Production Company  
Well Name: Johnson C #4  
Comp. Date 03-23-91 Old Total Depth 5850'  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ PBTD  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
5-21-91 5-24-91 6-10-91  
Spud Date Date Reached TD Completion Date

Chloride content 51,912 ppm Fluid volume 200 bbls  
Dewatering method used Cut windows in wall, natural dewatering  
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 W.G. Harris  
Title President Date 2/11/92  
Subscribed and sworn to before me this 11th day of February  
19 92  
Notary Public [Signature]  
Date Commission Expires 03-28-94

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)

Operator Name Harris Oil and Gas Company

Lease Name Johnson C OWWO

Well # 4

Sec. 31 Twp. 29S Rge. 38

East  
 West

County Grant

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ST. Louis "B" Porosity 5695'		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ST. Louis "C" Porosity 5770'		
List All E.Logs Run:				
CBL Only				

CASING RECORD <input type="checkbox"/> New <input 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
Production		5-1/2		5850	Thick Set	175	5% KCL

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
4 SPF	5770 - 81			
4 SPF	5695 - 5702		1000 gal FE Acid	5695-5702
			+750 gal & 5000 gal 20% MOD202	
	5725 - 26 4 squeeze holes		25 SAX class H cement	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"		5759	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	N/A			

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: \_\_\_\_\_



**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. C14 LEASE Johnson TICKET NO. 141649  
 CUSTOMER Holmes's Oil & Gas PAGE NO. 1  
 JOB TYPE 5 1/2 Prod String DATE 5-24-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL.) (GAL.)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0030							Time Collected
	0500							Time Ready
	0345							Time ended
	0900							Start Pump Casing
	1133							Casing in Hole
	1135							Hookup To Circulate Casing
	1148							Circulate Casing w/ New Pump
	1152							Circulate Mud To Equal Level
	1240							Hookup To Pump Truck
	1248	5				300		Start 2% KLL Blend
	1249	/	5			300		Start Super Flush
	1251	/	10			325		Start 2% KLL Blend
			5					
	1253					275		Start Mixing Cement
	1306	4				200		Finish Mixing Cement
	1308		43.94			200		Shut Down
	1309							wash Pump's & lines
	1313					150		Start Displacement
		5.45	141.59					2% KLL
	1340					450		Plug Down
								Flare Held & Circulate Mud
								Fluid at all Time

RECEIVED *Thanks for calling*  
 KANSAS CORPORATION COMMISSION  
 Halliburton Services  
 JAN 27 1992  
*Done & Done*

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

DISTRICT: Lisaco K ORIGINAL DATE: 5-24-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Harris Oil & Gas (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. C4 LEASE JOHNSON SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

FIELD \_\_\_\_\_ COUNTY Stanton STATE K OWNED BY Harris Oil & Gas

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			<u>15.5/14</u>	<u>5 1/2</u>	<u>K13</u>	<u>5850</u>	<u>07</u>
LINER							
TUBING							
OPEN HOLE				<u>7 1/2</u>	<u>K600</u>	<u>10250</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED 5  
Cement 5 1/2 Pore Slang w/ 10<sup>00</sup> KCL 10<sup>00</sup> Super Fluid 10<sup>00</sup> 1/2 KCL  
175<sup>00</sup> Thinsert 'H' 5 1/2 KCL

Displacement w/ KCL

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration for the above named Customer's work, THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney fees, and costs of defense to the extent permitted by law for:
  1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
  2. Reservoir, formation or well loss or damage, subsurface trespass or any action in the nature thereof.
  3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout, or the use of radioactive material.

The defense, indemnity, release, and hold harmless obligations of Customer provided for in this Section (b) and Section (c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections (b) and (c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on such and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart, interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damage arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's obligation to indemnify in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall at its risk and expense attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered Customer shall pay Halliburton as replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments, Customer shall, in addition to the foregoing, be fully responsible for loss, damage or destruction of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer of the foregoing unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices Act insofar as it may apply to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services and materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract unless such change or modification is made in writing by a duly authorized executive officer of Halliburton.

JAN 27 1992

CONSERVATION DIVISION WIGATA, KS

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED: [Signature] CUSTOMER

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ A.M. P.M.