

ORIGINAL

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

Operator: License # 5952

Name: AMOCO PRODUCTION COMPANY

Address P. O. BOX 800 ROOM 925

City/State/Zip DENVER, CO 80201

Purchaser: _____

Operator Contact Person: ELLEN HARTZLER

Phone (303) 830-5130

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

04/26/94 05/08/94 06/17/94
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20,738-0000

County STANTON

C - SE - SW Sec. 17 Twp. 29 Rge. 39 X W

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

1980 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 GEORGIA WELCH Well # 1-17

Field Name SAND ARROYO

Producing Formation MORROW

Elevation: Ground 3221' KB 3233'

Total Depth 5850' PBTB 5804

Amount of Surface Pipe Set and Cemented at 1850 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 2-6-96 JK
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid volume 2140 bbls

Dewatering method used DRIED AND FILLED

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 N. E. Ellen Hartzler

Title SR. STAFF ASSISTANT Date 9/27/94

Subscribed and sworn to before me this 17th day of September, 1994.

Notary Public Denise R. Harris

Date Commission Expires November 10, 1996

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)

RECEIVED
KANSAS CORPORATION COMMISSION

Form ACO-1 (7-91)

JAN 06 1995

CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name AMOCO PRODUCTION COMPANY Lease Name GEORGIA WELCH Well # 1-17

Sec. 17 Twp. 29 Rge. 39 East West
 County STANTON

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:
 DIL - GR
 FWS - FACT - GR
 SDL - DSN - GR
 ML - GR

Log		Formation (Top), Depth and Datums	Sample
Name	Top	Datum	
BASE HEEBNER	3780	-547	
LANSING	3870	-637	
MARMATON	4050	-817	
MORROW	5180	-1947	
L. MORROW	5482	-2249	
CHESTER	5575	-2342	
ST GENEVIEVE	5581	-2348	

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	24#	1850	615 HLC PRM. PLUS	765 150	
Production	7 7/8"	5 1/2"	14#	5850	"H" "C" LITE "C"	400 400 50	1ST STAGE 2ND STAGE

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
4	5483-5492; 5520-5530; 5567-5574;	FRAC W/292,180# 16/30 OTTAWA SAND	5483-5492
		& 117,000 GALS. CO2 FOAM 70Q	5567-5574 5520-5530

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 3/8	5575		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj. ST				Producing Method <input checked="" 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 Gravity
				500			

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 5483-5574
 (If vented, submit ACO-18.) Other (Specify) _____

JOB LOG FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Amoco Production	1-17	GEORGIN WELCH	2STAGE 5/8 LONG TRING	677413

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200	5.8						JOB READY
	0220	5.7						CALLED OUT FOR JOBS
	0120							PUMP TRUCK ON LOCATION
								RIG LAYING DOWN DRILL PIPE
								SET UP PUMP TRUCK
	0500							DRILL PIPE LAYED DOWN
	0545							START RUNNING 5/8 CSG + FLOAT EQUIP
								PLACE D.V TOOL ON "69 CSG 5T 2995"
	0745							CASING ON BOTTOM 5850'
								HOOK UP 5/8 PIG + CIRCULATING IRON
	0300							START CIRCULATING WITH RIG PUMP
	0820							THROUGH CIRCULATING
								HOOK UP TO PUMP TRUCK
	0927	6.5			✓	450		START MIXING 1ST STAGE CEMENT
	0942		96		✓	250		THROUGH MIXING CEMENT
						0"		SHUT DOWN
	0844							WASH UP TRUCK
								DROP SHUT OFF PLUG
	0657	6.5			✓	525		START DISPLACING WITH FRESH WATER
								TO D.V TOOL. FINISH DISPLACING
								WITH MUD.
	0710		143		✓	1800		PLUG DOWN.
								DROP SPRINGS PLUG
								LET FALL 20 MIN
	0930					950		OPEN D.V TOOL WITH PUMP TRUCK
								HOOK UP TO RIG PUMP + CIRCULATE
								FOR 4 HRS BEFORE CEMENTING 2ND STAGE
								THROUGH CIRCULATING
								HOOK UP TO PUMP TRUCK
	1318	6.0	146		✓	150		START MIXING LINA CMT ON 2ND STAGE
		6.0	11.7		✓	150		START MIXING TAL CMT
			158					THROUGH MIXING CMT
						0		SHUT DOWN, WASH UP TRUCK
								RELEASE PLUG
								START DISPLACING
	1357		380			650		HAVE 38 BBS Dsp 1110 CMT RETURNS TO SURFACE
	1400		380			1800		PLUG DOWN + CIRCULATED (10.3 SKS)

RECEIVED
 KANSAS CORPORATION COMMISSION

JAN 06 1995

 CONSERVATION DIVISION
 WICHITA, KS

WELL DATA

FIELD _____ SEC. 175 TWP. 27S RNG. 37W COUNTY STANTON STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE D.V. TOOL SET AT 2995

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5850

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>11</u>	<u>19'</u>	<u>5 7/8</u>	<u>KB</u>	<u>5850</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>REG</u>	<u>5/8</u>	<u>1</u>
CENTRALIZERS <u>S-4</u>	<u>5/8</u>	<u>15</u>
BOTTOM PLUG		
TOP PLUG		
HEAD <u>PIG</u>	<u>5/8</u>	<u>1</u>
PACKER		
OTHER <u>D.V. TOOL & PLUG SET</u>	<u>5/8</u>	<u>1</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<u>5-7-94</u>	<u>5-8-94</u>	<u>5-8-94</u>	<u>5-8-94</u>
DATE	DATE	DATE	DATE
TIME <u>2200</u>	TIME <u>0100</u>	TIME <u>527</u>	TIME <u>110</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J WOODROW</u>	<u>62523</u>	<u>LIBERAL KS</u>
<u>T DAVIS</u>	<u>F4550</u>	<u>" "</u>
<u>R GRAVES</u>	<u>2607 BULK</u>	<u>HUGOTON KS</u>
<u>D MCINTYRE</u>	<u>52924 BULK</u>	<u>" "</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API

DISPL. FLUID _____ DENSITY _____ LB./GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 06 1995
CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT CEMENT

DESCRIPTION OF JOB 2 STAGE 5/8 PRODUCTION CASING

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR J Woodrow COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>400</u>	<u>PREMIUM</u>	<u>MALCO</u>	<u>B</u>	<u>76 EA-2 1/2 CG 1/4 OILR 1/26 MUD-7 15% SALT</u>	<u>1.35</u>	<u>15.6</u>
<u>2</u>	<u>400</u>	<u>PREMIUM T LITE</u>	<u>"</u>	<u>B</u>	<u>1/4 FLOGRIE</u>	<u>2.06</u>	<u>12.3</u>
<u>3</u>	<u>50</u>	<u>PREMIUM T</u>	<u>"</u>	<u>B</u>	<u>1/4 FLOGRIE</u>	<u>1.32</u>	<u>14.8</u>

SUMMARY

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

CEMENT SLURRY: BBL.-GAL. _____

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

1ST STAGE 76 BBL'S SKIPPY

2ND STAGE 146 BBL'S LEAD CMT

11700'S TAIL CMT

CUSTOMER Amaco Production
LEASE GEORGIA WELCH
WELL NO. 1-17
JOB TYPE 2-1/2" LONG STAGE
DATE 5-8-94

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

JOB LOG FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
AMOCO PRODUCTION	1-17	GEORGIA WELCH	8 3/4" SURFACE	677905

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							JOB READY
	1800							CALLED OUT FOR JOB
	2145							PUMP TRUCK ON LOCATION RIG STILL DRILLING SET UP PUMP TRUCK
	2345							RIG THROUGH CUTTING 1862' OF 12 1/4" HOLE ON BOTTOM CIRCULATING
	2415							TRIP OUT DRILL PIPE
	0130							START RUNNING 8 3/4" CASING + JLT EQUIP
	0245							CASING ON BOTTOM 1862'
	0300							HOOK UP 8 3/4" PIC (CIRCULATING IRON)
	0325							START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING
	0330	60	2250			200'		HOOK UP TO PUMP TRUCK START MIXING LEAD CEMENT
	0350	60	350			225'		START MIXING TAIL CEMENT
			260			0'		THROUGH MIXING CEMENT
	0400							SHUT DOWN RELEASE PLUG
	0401	60						START DISPLACING HAVE 40 BBLs DISPLACED, HAVE CEMENT RETURNS TO SURFACE
	0420		115.5			1000'		PLUG DOWN RELEASE FLOAT FLOAT HELD CIRCULATED 75 BBLs (203 SKS)

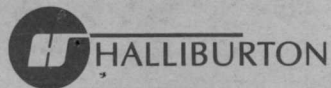
RECEIVED
KANSAS CORPORATION COMMISSION

JAN 06 1995

CONSERVATION DIVISION
WICHITA, KS

THANK YOU!

WOODY, TYLER, CREW



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

BILLED ON TICKET NO. 677405

WELL DATA

FIELD _____ SEC. 17 TWP. 29S RNG. 39W COUNTY STANTON STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 1255

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>1</u>	<u>29'</u>	<u>8 7/8</u>	<u>KG</u>	<u>1262</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-27-94</u>	DATE <u>4-27-94</u>	DATE <u>1-28-94</u>	DATE <u>4-28-94</u>
TIME <u>1800</u>	TIME <u>2145</u>	TIME <u>0730</u>	TIME <u>1420</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>INSERT</u>	<u>1</u>	<u>HALCO</u>
GUIDE SHOE <u>RPG</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>BLUE</u>	<u>4</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>SW</u>	<u>1</u>	<u>"</u>
HEAD <u>PIC</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodrow</u>	<u>62573</u>	<u>LIRPAC</u>
	<u>PHU</u>	<u>KS</u>
<u>T. DAVIS</u>	<u>F4350</u>	<u>"</u>
	<u>52274</u>	<u>ADU</u>
	<u>178900</u>	<u>"</u>
<u>D. McYURT</u>	<u>53920</u>	<u>MUGOTSU</u>
	<u>52720</u>	<u>BULK</u>
	<u>1303</u>	<u>KS</u>
<u>D. CORPENTING</u>	<u>41471</u>	<u>BULK</u>
	<u>16610</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API _____

DISPL. FLUID _____ DENSITY _____ LB./GAL. °API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN _____

PERFPAC BALLS TYPE _____ GAL.-LB. _____ IN _____

OTHER _____

OTHER _____

RECEIVED
KANSAS CORPORATION COMMISSION
JAN 06 1995
CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 8 7/8 SURFACE CASING

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Jh Woodrow

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>615</u>	<u>PREMIUM PLUS</u>	<u>HALCO</u>	<u>B</u>	<u>1/4 FLOCCUL 27CC</u>	<u>206</u>	<u>123</u>
	<u>150</u>	<u>PREMIUM F</u>	<u>"</u>	<u>B</u>	<u>1/4 FLOCCUL 27CC</u>	<u>132</u>	<u>148</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 44.28 REASON INSERT FLOAT

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 115

CEMENT SLURRY: BBL.-GAL. 225.6 LC

TOTAL VOLUME: BBL.-GAL. 35.2 TC

REMARKS

260.8

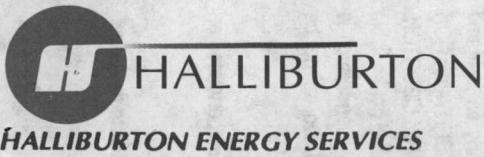
CUSTOMER AMOCO PRODUCTION

LEASE GEORGINA WELLS

WELL NO. 1-17

JOB TYPE 8 7/8 SURFACE

DATE 4-27-94



CHARGE TO: Amoco Production
 ADDRESS: Amoco Production
 CITY, STATE, ZIP CODE: _____

COPY _____ TICKET No. 677405 - 3
 PAGE 1 OF 2

ORIGINAL

FORM 1906 R-13

SERVICE LOCATIONS 1. <u>025540 LIBERAL</u>	WELL/PROJECT NO. <u>1-17</u>	LEASE <u>GEORGIA WELCH</u>	COUNTY/PARISH <u>STANTON</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>RIG ROW</u>	DATE <u>4-28-94</u>	OWNER <u>SAME</u>
2. <u>025535 HUGOTON</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>DUKE DRUG #6</u>	RIG NAME/NO.	SHIPPED VIA <u>WELL SITE</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <u>01 OIL</u>	WELL CATEGORY <u>01 Development</u>	JOB PURPOSE <u>010 - 87% SURFACE</u>	WELL PERMIT NO.	WELL LOCATION <u>LIND</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	18	mi	2	u	2.75	99.00
001-016		1			Pump CHARGE	1862	FT			1220.00	1220.00
030-018		1			S-W TOP PLUG	1	EA	878	IN	130.00	130.00
12A	825-217	1			REG Guide SHOE	1	EA	878	IN	216.00	216.00
24A	815-19502	1			INSERT FLOAT VALVE	1	EA	878	IN	171.00	171.00
27	815-19415	1			FILL UP ASSY	1	EA	150	IN	55.00	55.00
40	806-61048	1			CENTRALIZER	4	EA	878	IN	65.00	260.00
350	870-10802	1			HALCO WELD A	1	EA	1	LB	14.50	14.50

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 06 1995
 CONSERVATION DIVISION
 WICHITA, KS

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: **X**

DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	SURVEY AGREE UN-DECIDED DIS-AGREE OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	PAGE TOTAL FROM CONTINUATION PAGE(S) SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	
SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN			TYPE LOCK	DEPTH				2165 150
CUSTOMER OR CUSTOMER'S AGENT SIGNATURE			BEAN SIZE	SPACERS				9242 60
DATE SIGNED			TYPE OF EQUALIZING SUB.	CASING PRESSURE				11468 10

do do not require IPC (Instrument Protection). Not offered

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
	X	<i>JH Woodson</i>	62573	<i>W/40% Disc</i>

6844.86

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

