

**CONFIDENTIAL**

SIDE ONE

TIGHT

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

API No. 15 - 075-20628-0000

**ORIGINAL**

County Hamilton

SW - NW - NE Sec. 13 Twp. 22S Rge. 39  East West

Operator: License # 5952

1000 Feet from SW (circle one) Line of Section

Name: Amoco Production Company

2200 Feet from EW (circle one) Line of Section

Address PO Box 800 Room 924

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

City/State/Zip Denver, CO 80201

Lease Name Wild Bill Well # 1-13

Purchaser: N/A

Field Name Wildcat

Operator Contact Person: Susan R. Potts

Producing Formation N/A-Dry

Phone (303) 830-5323

Elevation: Ground 3421.51' KB 3432'

Contractor: Name: Cheyenne Drilling

Total Depth 5382' PBTD 2933'

License: 5382

Amount of Surface Pipe Set and Cemented at 566 Feet

Wellsite Geologist: Pete Devenhem

Multple Stage Cementing Collar Used? Yes  No

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

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

If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan D&A 8/4 3-19-97  
(Data must be collected from the Reserve Pit)

If Workover/Re-entry: old well info as follows:

Chloride content 8600 ppm Fluid Volume 2500 bbls

Operator: \_\_\_\_\_

Dewatering method used Dried and Filled

Well Name: \_\_\_\_\_

Location of fluid disposal if hauled offsite: NOU  
KANSAS CORPORATION COMMISSION

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. \_\_\_\_\_

11/21/96 11/28/96 11/29/96  
Spud Date Date Reached TD Completion Date

Operator Name 12-19-96 DEC 19 1996

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. Rng. \_\_\_\_\_ E/W  
WICHITA, KS

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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**12-19-96**

**DEC 19 1996**

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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 to the best of my knowledge.

Signature Susan R. Potts

Title Senior Staff Assistant Date 12/17/96

Subscribed and sworn to before me this 17th day of December

Notary Public Dennis DeFew

Date Commission Expires 11-10-2000

K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of confidentiality Attached
C <input type="checkbox"/>	Wireline Log Received
C <input type="checkbox"/>	Drillers Timelog Received
Distribution	
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

Operator Name Amoco Production Company

Lease Name Wild Bill

Well # 1-13

Sec. 13 Twp. 22S Rge. 39

East  
 West

County Hamilton

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.)

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Base Stone Corral	2300'	KB
Chase	2706'	
Base Heebner	3982'	
Base Kansas City	4502'	
Marmaton	4542'	
Morrow	4984'	
St. Louis	5230'	

List All E. Logs Run: Complex Lithology Analysis, High Resolution Induction, Spectral Density, Dual Spaced Neutron II

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	12.25"	8.625"	24	566'	Premium Plus Lite	150	2%CC+1/4Flocel
					Premium Plus	150	2%CC+1/4Flocel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<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
N/A				

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A					

Date of First, Resumed Production, SWD or Inj	Producing Method	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
N/A-Dry		

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

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented  Sold  Used on Lease

Open Hole

Perf.

Dually Comp.

Commingled

DRY

(If vented, submit ACO-18)

Other (Specify) \_\_\_\_\_

ORIGINAL

AMOCO PRODUCTION COMPANY  
WILD BILL 1-13  
SECTION 13-T22S-T39W  
HAMILTON COUNTY, KANSAS

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15-075-20628-0000

COMMENCED: 11-21-96  
COMPLETED: 11-29-96

SURFACE CASING: 567' OF 8 5/8" CMTD  
W/150 SKS PREMIUM PLUS LITE + 2% CC  
+ 1/4#SK FLOCELE; TAILED IN W/150 SKS  
CLASS "C" + 2% CC + 1/4 #/SK FLOCELE

FORMATION

DEPTH

SURFACE HOLE	0 - 567
SANDSTONE & SHALE	567 - 2187
STONE CORRAL	2187 - 3025
LIMESTONE	3025 - 3265
COUNCIL GROVE	3265 - 3853
LANSING	3853 - 4420
MARMATON	4420 - 4600
KANSAS CITY	4600 - 4886
MORROW	4886 - 5164
CHESTER & MISSISSIPPIAN	5164 - 5271
MISSISSIPPIAN	5271 - 5382 RTD

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I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REC

DEC 18 1996

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CHEYENNE DRILLING, INC.

*Wray Valentine*

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WRAY VALENTINE

DEC 19 1996

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 3RD DAY OF DECEMBER, 1996

CONSERVATION DIVISION  
WICHITA, KS

JOLENE K. RUSSELL

*Jolene K Russell*  
NOTARY PUBLIC





**JOB LOG** HAL-2013-C

DATE: / / PAGE NO.

CUSTOMER: WELL NO.: LEASE: JOB TYPE: TICKET NO.:

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
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### WELL DATA

FIELD \_\_\_\_\_ SEC \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

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 \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			2 1/2	103	73	
LINER						
TUBING						
OPEN HOLE			177	0.1	500	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 11-21	DATE 11-21	DATE 11-21	DATE 11-21
TIME 1400	TIME 1730	TIME 2100	TIME 2200

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR 2" - 2 1/2" - 2 1/2"	1	2 1/2" H...
FLOAT SHOE 2 1/2"	1	
GUIDE SHOE		
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER		
OTHER 1/2" x 1/2"	1	

### 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. \_\_\_\_\_

PERF PAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
LEE	110011	Land...
T...	...	...
S...		
...	...	...

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DEPARTMENT: ...

DESCRIPTION OF JOB: ...

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE: X

HALLIBURTON OPERATOR: ...

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
	100	...	...		...	2.2	12.7
	100	...	...		...	1.2	12.7

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRES LUSH: BBL. GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL: BBL. GAL. \_\_\_\_\_

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 \_\_\_\_\_

DEC 19 1996

CONSERVATION DIVISION  
WICHITA, KS

RETAIN



15.075-20628-0000

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 107787

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

4461-75509

CUSTOMER Amoco

WELL Wild Bill 1-13

DATE 11-21-96

PAGE OF

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
504-120					Halliburton Light Premium Plus	150	cks	11.52	1728.00
504-050	516.00265								
506-105	516.00286								
506-121	516.00259								
504-050	516.00265				Premium Plus Cement	150	cks	13.12	1968.00
509-406	890.50812				Calcium Chloride 2% w/all	6	cks	40.75	244.50
507-210	890.50071				Flocele 1/4# w/all	75	lbs	1.65	123.75
500-207					SERVICE CHARGE		CUBIC FEET 317	1.35	427.95
500-306					MILEAGE CHARGE		TON MILES 1166.16	1.05	1224.47
					TOTAL WEIGHT 20643		LOADED MILES 82		

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CONSERVATION DIVISION  
WICHITA, KS

No. B 345581

CONTINUATION TOTAL 5716.67



**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

CHARGE TO: *Amoco*  
 ADDRESS:  
 CITY STATE ZIP CODE:

CUSTOMER COPY

TICKET

No.

107287 - 4

PAGE 1 OF

SERVICE LOCATIONS: 1. *25540 Lined Ks* WELL/PROJECT NO. *1-13 Wild Bill* LEASE COUNTY/PARISH *Stanton* STATE *Ks* CITY/OFFSHORE LOCATION *1500 17 18017 18017 18017* DATE *11-21-96* OWNER *Amoco*  
 2. *25535 Hg Ten Ks* CONTRACTOR *Chesapeake Drilling* RIG NAME/NO. *3* SHIPPED VIA *Loc* ORDER NO.  
 3. WELL TYPE WELL CATEGORY *01 01* JOB PURPOSE *010 8 1/2 S. FACE* WELL PERMIT NO. WELL LOCATION *W of Kendall Ks*  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
<i>000-117</i>	<i>CONFIDENTIAL</i>	<i>1</i>	<i>1</i>		<i>MILEAGE</i>	<i>228</i>	<i>1/100</i>			<i>2.99</i>	<i>681.72</i>
<i>000-119</i>		<i>1</i>	<i>1</i>		<i>Crew Mileage</i>	<i>228</i>	<i>1/100</i>			<i>1.60</i>	<i>364.80</i>
<i>001-016</i>		<i>1</i>	<i>1</i>		<i>Pump charge</i>	<i>567</i>	<i>1/100</i>				<i>915.18</i>
<i>030-012</i>		<i>1</i>	<i>1</i>		<i>Sw Top Plug</i>	<i>1</i>	<i>1/100</i>	<i>8%</i>		<i>130.00</i>	<i>130.00</i>
	<i>815-19508</i>	<i>1</i>			<i>Insert Float</i>	<i>1</i>	<i>Each</i>	<i>8%</i>		<i>355.00</i>	<i>355.00</i>
<i>27</i>	<i>815-19415</i>	<i>1</i>			<i>Filth</i>	<i>1</i>				<i>64.90</i>	<i>64.90</i>
<i>411</i>	<i>806-61048</i>	<i>1</i>			<i>Centralizers</i>	<i>3</i>				<i>61.00</i>	<i>183.00</i>
<i>350</i>	<i>890-10802</i>	<i>1</i>			<i>Howes</i>	<i>1</i>	<i>1/100</i>			<i>16.75</i>	<i>16.75</i>

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 CONSERVATION DIVISION  
 WORTH, 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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: *X* *P.L. CHATHAM* TIME SIGNED: *Amoco* *1:30*  
 A.M.  P.M.

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

**SUB SURFACE SAFETY VALVE WAS**  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	<i>2710</i>	<i>27</i>
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					<i>5716</i>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?				FROM CONTINUATION PAGE(S)		
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		SUB-TOTAL		
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				APPLICABLE TAXES WILL BE ADDED ON INVOICE		

**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
<i>X</i>	<i>10102 Dennis Lopez</i>	<i>Dennis Lopez</i>	<i>59179</i>	

## TERMS AND CONDITIONS

(1295)

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 not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense 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 HAL-2013-C

CUSTOMER Anoco Prod.	WELL NO. 1-13	LEASE Wild Bill	JOB TYPE 115	TICKET NO. 107181
-------------------------	------------------	--------------------	-----------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1945							Called out - Requested "work"
	2300							on loc - L.D.D.P. Safety Meeting - Rig up
								Hook up to cement - 2933' ft
0302	0-4	10		✓		0/200		Pump H <sub>2</sub> O
0303	4	26 1/2		✓		3 1/2 250		Pump cement
0308	4	3 1/2		✓		200		Pump H <sub>2</sub> O ORIGINAL
0310	4	29		✓		250		Pump mud
0318	4-0			✓		2 1/2 0		Shot down - T.O.H.
								Hook-up to cement - 2300 ft
0417	0-4	10		✓		0/250		Pump H <sub>2</sub> O
0419	4	13 1/2		✓		200		Pump cement
0421	4	3 1/2		✓		200		Pump H <sub>2</sub> O CONFIDENTIAL
0422	4	25 3/4		✓		200 1/2 0		Pump mud
0428	4-0					200 1/2 0		Shot down - T.O.H.
								Hook-up to cement - 1150 ft
0515	0-4	10		✓		0/250		Pump H <sub>2</sub> O RELEASED
0517	4	13 1/2		✓		250		Pump cement
0520	4	3 1/2		✓		150		Pump H <sub>2</sub> O JAN 29 1999
0521	4	10 1/2		✓		200		Pump mud
0523	4-0			✓		200 1/2 0		Shot down - T.O.H. FROM CONFIDENTIAL
								Hook-up to cement - 600' new
0550	0-4	40		✓		0/250		Pump H <sub>2</sub> O DEC 17
0601	4	13 1/2		✓				Pump cement CONFIDENTIAL
0604	4	6		✓				Pump H <sub>2</sub> O
0605	4-0			✓		200 1/2 0		Shot down - T.O.H.
								Hook-up to cement - 40'
			8	✓		0/150		Pump H <sub>2</sub> O
0730			3	✓		0/150		Pump cement RECEIVED KANSAS CORPORATION COMMISSION
0735			4	✓		0/150		Pump cement DEC 19 1996
0739			3			0/150		Pump mouse CONSERVATION DIVISION WICHITA, KS
								Thank you! Tom & Tyce & crew



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Mid Continent  
Liberal Ks

15-075-20628-0000  
BILLED ON TICKET NO. 107181

CUSTOMER Amoco Prod.  
LEASE Will Bill  
WELL NO. 1-13  
JOB TYPE 15  
DATE 11-29-96

### WELL DATA

FIELD \_\_\_\_\_ SEC. 18 TWP. 22s RNG. 39w COUNTY Hamilton 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 \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING <u>P.H. U</u>		<u>16.50</u>	<u>4 1/2</u>	<u>KB</u>	<u>2933</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-28-96</u>	DATE <u>11-29-96</u>	DATE <u>11-29-96</u>	DATE <u>11-29-96</u>
TIME <u>1945</u>	TIME <u>2302</u>	TIME <u>2302</u>	TIME <u>0730</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
	<b>ORIGINAL</b>	
	<b>CONFIDENTIAL</b>	

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. **JAN 29 1999**  
 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. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

RELEASED

CONFIDENTIAL

FROM CONFIDENTIAL

DEPARTMENT 5001  
 DESCRIPTION OF JOB PTA  
DEC 17  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TSG/ANN.   
 CUSTOMER REPRESENTATIVE **X**  
 HALLIBURTON OPERATOR Tom Payer COPIES REQUESTED \_\_\_\_\_

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD LBS./GAL.	MIXED LBS./GAL.
<u>2933</u>	<u>285</u>	<u>6 1/4 PREP</u>		<u>B</u>	<u>6% CCI</u>	<u>1.5</u>	<u>13.0</u>
<u>2300</u>	<u>50</u>	<u>"</u>				<u>"</u>	<u>"</u>
<u>1150</u>	<u>50</u>	<u>"</u>				<u>"</u>	<u>"</u>
<u>600</u>	<u>50</u>	<u>"</u>				<u>"</u>	<u>"</u>
<u>40</u>	<u>10</u>	<u>"</u>				<u>"</u>	<u>"</u>

RECEIVED  
KANSAS CORPORATION COM

DEC 19 1996

CONSERVATION DIVISION  
VOLUME PTA, KS

### PRESSURES IN PSI

### SUMMARY

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 26+13+13  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

### REMARKS

SEE Job log

FIELD OFFICE



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

15-075-20628-0000

187181

TICKET No. \_\_\_\_\_

FORM 1911 R-10

IT	CUSTOMER	WELL	DATE	PAGE	OF
	Amco Production	Wild Bull #1-13	11-20-96		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	QTY.	U/M
					275 cu. ft. 40% Pozmix 60% Cement						
506-043	516.00272				Premium Cement	171	sk	12	03	2057	13
506-105	516.00286				Pozmix	2436	lb			615	183
506-121	516.00259				Gal. 2% allowed	5	sk				
507-277	516.00259				Gal. 4% added	10	sk	10	50	136	00
507-210	800.50071				Floccule $\frac{1}{2}$ gal/285	71	lb	1	65	117	15
500-207					SERVICE CHARGE			CUBIC FEET	310	1	33
500-306								TON MILES	1074.184	1	05

ORIGINAL

CONFIDENTIAL

NOV  
DEC 17  
CONFIDENTIAL

RELEASED  
JAN 29 1999,  
FROM CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 19 1996  
CONSERVATION DIVISION  
WICHITA KS

CONTINUATION TOTAL

No. B 345608



**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

CHARGE TO: Amoco Production  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

CUSTOMER COPY

No.

TICKET

107181 - 8

15-075.20628-0000

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>25540</u>	WELL/PROJECT NO. <u>173</u>	LEASE <u>Wild Bill</u>	COUNTY/PARISH <u>Hamilton</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION <u>Kendall</u>	DATE <u>11-29-96</u>	OWNER
2. <u>25535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Cheyenne</u>	RIG NAME/NO. <u>#3</u>	SHIPPED VIA <u>HES</u>	DELIVERED TO <u>Wellsite</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	DEC 17 1996 CONFIDENTIAL	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS	<u>01</u>	<u>06</u>	<u>115</u>		

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-117</u>					MILEAGE	<u>R/T</u>	<u>EM</u>	<u>238</u>	<u>mi</u>	<u>2.99</u>	<u>711.6</u>
<u>000-119</u>					<u>CREW mileage</u>	<u>R/T</u>	<u>CR</u>	<u>238</u>	<u>mi</u>	<u>1.60</u>	<u>380.8</u>
<u>009-019</u>					<u>Pump charge</u>		<u>6 hrs</u>	<u>2933</u>	<u>+</u>		<u>1580.0</u>

ORIGINAL

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

CONFIDENTIAL

RECEIVED

KANSAS CORPORATION COMMISSION

DEC 19 1996

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

**X**

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

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH
BEAN SIZE	SPACERS
TYPE OF EQUALIZING SUB.	CASING PRESSURE
TUBING SIZE	TUBING PRESSURE
	WELL DEPTH
TREE CONNECTION	TYPE VALVE

**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?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<u>2672.4</u>
FROM CONTINUATION PAGE(S)	<u>4543.5</u>
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	<u>7215.9</u>

**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
	<u>X</u>	<u>Tom Poyles</u>	<u>48120</u>	