

FORM MUST BE TYPED

PAGE ONE

ORIGINAL

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

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: 5832

Wellsite Geologist: None

Designate Type of Completion  
 New Well  Workover  
Oil  SWD  ENHR  SIGW  
Gas  Other (Core, WSW, Exp. Cathodic, etc.)  
Dry \_\_\_\_\_  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
MAR 31 1994

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

Operator: CONSERVATION DIVISION  
WICHITA, KS  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conn. to Inj/SWD \_\_\_\_\_  
Plug Back \_\_\_\_\_  
Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
11/4/93 11/06/93 1/05/94  
Spud Date Date Reached TD Completion Date

API No. 15 055-21223-0000  
County Finney  
SW NE NE Sec. 35 Twp. 24 Rng. 32  East West  
4030 Foot from  (circle one) Line of Section  
1250 Foot from  (circle one) Line of Section

Footage: Calculated from Nearest Outside Section Corner:  
NE,  SE, NW, or SW (circle one)  
Lease Name Hicks GU /D/ Well # 2HI  
Field Name Hugoton

Producing Formation Chase  
Elevation: Ground 2794' KB 2805'  
Total Depth 2795' PBTD 2793.50'  
Amount of Surface Pipe Set and Cemented at 1176' 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 2H 11-8-94  
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid Volume 2140 bbls  
Downwatering 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 to the best of my knowledge.

Signature Ellen Hartzler  
Title Sr. Staff Assistant Date March 30, 1994  
Subscribed and sworn to before me this 30TH day of MARCH, 1994  
Notary Public Susan Callahan  
Notary Commission Expires August 02, 1994

K.C.C. OFFICE USE ONLY  
F  Letter of confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 SGS  Plug  Other  
(Specify)

91

Operator Name Amoco Production Company Lease Name Hicks GU /D/ Well # 2HI  
 County Finney  
 Sec. 35 Twp. 24 Rge. 32  East  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 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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	Herrington	2498	KB
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Krider	2524	
List All E. Logs Run: MINILOG DUAL INDUCTION PROLOG	COMPENSATED NEUTRON ENHANCED DECONVOLUTION DUAL INDUCTION CASING COLLAR LOCATOR EPILOG SPECTRALOG	Winfield	2561	
		Towanda	2618	
		Ft. Riley	2672	

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 1/4"	8 5/8"	24#	1170'	Class C	425	138 lbs Flocele 2% CaCl <sub>2</sub>
Production	7 7/8"	5 1/2"	15.5#	2795'	Class C	550	107 lbs Flocele
Conductor	23 1/4"	20"	48#	80'	Premium Plus	155	2% CaCl <sub>2</sub>

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	2498-2538'; 2584-2592'; 2560-2574'; 2616-2634';	Frac with 74,160# 10/20 Brady sand	2498-2538'
		Acidize with 1500 gals. 20% HCL & 15% HCL	2560-2592' 2616-2634'

TUBING RECORD N/A Size        Set At        Packer At        Liner Run  Yes  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 400 Mct Water        Bbls. Gas-Oil Ratio        Gravity       

Disposition of Gas:  Vented  Sold  Used on Lease

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Completed  Commingled

Production Interval: 2498-2538

(If vented, submit ACO-18)  Other (Specify)



ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY  
HICKS GU "D" NO. 2 HI  
SECTION 35-T24S-R32W  
FINNEY COUNTY, KANSAS

API # 15-055-21223-0000

COMMENCED: 11-04-93  
COMPLETED: 11-07-93

SURFACE CASING: 1170' OF 8 5/8"  
CMTD W/400 SX LT "C", 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE.

FORMATION	DEPTH
SURFACE HOLE	0-1177
SAND & CLAY	1177-1204
RED BED	1204-1364
GLORILETTA SAND	1364-1537
RED BED & ANHYDRITE	1537-2280
SHALE & LIME	2280-2795 RTD

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MAR 31 1994

OBSERVATION DIVISION  
WICHITA, KS

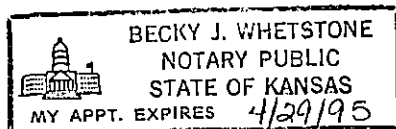
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A. J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 8TH DAY OF NOVEMBER, 1993.



Becky J. Whetstone  
BECKY J. WHETSTONE, NOTARY PUBLIC

ORIGINAL

 DATE: 10-7-93  
 PAGE NO.

**JOB LOG** FORM 2013 R-4

CUSTOMER <i>Amoco Prod.</i>	WELL NO. <i>2 HI</i>	LEASE <i>Hicks GW D</i>	JOB TYPE <i>5 1/2" Long Sten</i>	TICKET NO. <i>549361</i>
--------------------------------	-------------------------	----------------------------	-------------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							Time Collected
	1300							Time Ready
	1200							on loc Pig Run OP in Hole
	1610							Start Pig Casing
	1705							Casing in Hole
	1706							Hook Up To Circulate Casing last Joint Down
	1715							Circulate Casing w/loc Pump
	1718							Circulate Mid To Ground Level
	1743							Hook Up To Pump Truck
	1745					350		Start Mix Cement
	1802	6.8	118.65			250		Start Tail Cement
	1807	5.2	23.50			250		Start Mix Cement
			142.15			250		Slut Down
	<del>1807</del>							wash Pump's Lines
	1810	6				250		Start Displacement
		4.4	66.52					
	1825					750		Pig Down
								Did Not Circulate Casing To The PT
								0 BBL 0 Gallons
								0 0
								Thanks For Calling Halliburton Services
								Order Crew

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 CONSERVATION DIVISION  
 WICHITA, KS

*M260T*  
*Libool Ks*

15-055-21223-0000

BILLED ON TICKET NO. *549361*

**ORIGINAL**

**WELL DATA**

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY *Fring* 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		<i>15-3</i>	<i>5 1/2</i>	<i>KB</i>	<i>2795</i>	
LINER						
TUBING						
OPEN HOLE					<i>2795</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>10-7</i>	DATE <i>10-7</i>	DATE <i>10-7</i>	DATE <i>10-7</i>
TIME <i>0900</i>	TIME <i>1200</i>	TIME <i>1705</i>	TIME <i>1825</i>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Koser</i>	<i>14075</i>	<i>LIBOOL Ks</i>
	<i>59179</i>	<i>Ks</i>
<i>D. Pence</i>	<i>4903</i>	<i>"</i>
	<i>137106</i>	<i>"</i>
<i>M. Davis</i>	<i>50731</i>	<i>Hogston Ks</i>
	<i>F4549</i>	<i>"</i>
<i>Compering</i>	<i>3625</i>	<i>"</i>
	<i>62728</i>	<i>7620</i>

**TOOLS AND ACCESSORIES**

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

**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. \_\_\_\_\_

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. \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

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CONSERVATION DIVISION  
WICHITA, KS

DEPARTMENT *Cement*

DESCRIPTION OF JOB *5 1/2 Prod. String*

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

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR *D. Koser* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>325</i>	<i>Prem Plus</i>	<i>LITEST</i>		<i>1/2 # Floccs</i>	<i>2.05</i>	<i>12.3</i>
	<i>100</i>	<i>Prem Plus</i>			<i>1/2 # Floccs</i>	<i>1.32</i>	<i>14.8</i>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

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

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. *66.52*

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. *142.15*

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

**RAMARKS**

CUSTOMER: *Amoco Production*

LEASE: *Wicks GUD*

WELL NO.: *21E*

JOB TYPE: *5 1/2 Prod String*

DATE: *10-7-93*



**HALLIBURTON**  
ENERGY SERVICES

**TICKET CONTINUATION**

COPY

15.055-21223-0000

5.2

TICKET No. 549361

FORM 1911 R-8

CUSTOMER				WELL				DATE		PAGE OF			
Amoco Production				11-07-93				11-07-93		2 12			
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF									
504-050	516.00265						100	sk				9 22	922 00
504-120							325	nsk				8 21	2668 25
<del>504-050</del>	516.00265												
506-105	516.00286												
506-121	516.00259												
507-210	890.50071						107	lb				1 40	149 80
500-207						SERVICE CHARGE			CUBIC FEET	432		1 35	583 20
500-306						MILEAGE CHARGE	TOTAL WEIGHT 39479	LOADED MILES 62	TON MILES	1223.849		95	1162 66

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MAR 31 1994  
CONSOLIDATION DIVISION  
WICHITA, KS

CONTINUATION TOTAL

5485 91





CHARGE TO: Amoco Prod.  
 ADDRESS: Amoco Prod.  
 CITY, STATE, ZIP CODE:

COPY 15-055-21223-0060  
 TICKET

No. 549361 - X

PAGE 1 OF 2

FORM 1906 R-12

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>25540</u>	LEASE <u>Hick/SU D</u>	COUNTY/PARISH <u>Finney</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>10-7-93</u>	OWNER <u>Amoco Prod.</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <u>Cherokee Dely 3#</u>	SHIPPED VIA	DELIVERED TO <u>Loc.</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>035 5 1/2 Prod. Stang.</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>02103</u>						

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
000-117						MILEAGE	124		mls		2.75	341.00
001-016						Pump charge	2795		FT		(820)	1345.00
030-016						5 in Top Plug	1		Exch	5 1/2	60.00	60.00
5A	837-07100					Super Seal Float Sloc	1		Exch		225.00	225.00
40	806-60022					Gen Test Lines	5		"		144.00	220.00
350	890-10802					thru weld A	1		1.13		14.50	14.50

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 MAR 31 1994  
 REGULATION DIVISION  
 TOPEKA, 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 Sam Cozack 'Co Rep'

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

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input checked="" type="checkbox"/> RUN	<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>2205</u>   <u>50</u>
TYPE LOCK _____ DEPTH _____	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				
BEAN SIZE _____ SPACERS _____	WE UNDERSTOOD AND MET YOUR NEEDS?				
TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
TUBING SIZE _____ TUBING PRESSURE _____ 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 APPLICABLE TAXES WILL BE ADDED ON INVOICE
	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

**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>[Signature]</u>	<u>59179</u>	<u>w/39 %odier 4691.76</u>

## 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

DATE: 11-5-93 | PAGE NO.

 CUSTOMER: *Hmoco* | WELL NO.: *24 F* | LEASE: *Hicks G.V. 'D'* | JOB TYPE: *8 1/2 Surface* | TICKET NO.: *549218*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	20:00							Called out
	23:00							ON location, rig drilling
	02:00							Start casing run floating equipt
	05:00							Casing on bottom
	05:15							hookup iron, rig circulating
	05:35							hookup iron, Co Tek
	05:40	6	147		X	250		Start lead cement
	06:03	5	35		X	200		Start Tail Cement
	06:10					0		Shut down deep saw Top Plug
	06:13	4	25		X	200		Start water displacement
	06:18	6	39			250		Cement circulated to surface
	06:24	3	10			400		Slowed rate
	06:29					400		Plug landed
	06:29					450		Pressure up
	06:50					450		Shut in well
	06:50							Job Complete
								Slurry circulated = 46 #
								Plug landing PSI 400 #
								Head Cut = 250 #
								Average PSI Tail Cut = 200 #
								(Displ) = 400 #
								Head Cut = 6 BPM
								Average Rate Tail Cut = 5 BPM
								(Displ) = 6 BPM
								Overall = 5.5 BPM
								Thanks for call
								Halliburton
								Robert
								@ Crown

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 MAR 31 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

74

**WELL DATA**

FIELD *Hugoton* ORIGINAL SEC. *35* TWP. *14* RNG. *21* COUNTY *Finney* 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	<i>N</i>	<i>24</i>	<i>8 1/2</i>	<i>K.B.</i>	<i>1176</i>	
LINER						
TUBING						
OPEN HOLE			<i>12 1/2</i>	<i>K.B.</i>	<i>1177</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>11-4-93</i>	DATE <i>11-4-93</i>	DATE <i>11-5-93</i>	DATE <i>11-5-93</i>
TIME <i>20:00</i>	TIME <i>23:00</i>	TIME <i>02:30</i>	TIME

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Tugh</i>		
<i>D. Williams</i>	<i>40078</i>	<i>L. Brown</i>
<i>D. McLarty</i>	<i>52938</i>	<i>L. Brown</i>
<i>D. Corpening</i>	<i>8408</i>	<i>Hugoton</i>
<i>D. Corpening</i>	<i>52920</i>	<i>Hugoton</i>
<i>D. Corpening</i>	<i>75817</i>	<i>Hugoton</i>
<i>D. Corpening</i>	<i>3856</i>	<i>Hugoton</i>
<i>D. Corpening</i>	<i>5835</i>	<i>Hugoton</i>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <i>B.H.C.</i>	<i>1</i>	<i>H</i>
FLOAT SHOE		<i>0</i>
GUIDE SHOE		<i>0</i>
CENTRALIZERS	<i>3</i>	<i>C</i>
BOTTOM PLUG		<i>H 0</i>
TOP PLUG	<i>1</i>	<i>0</i>
HEAD	<i>1</i>	<i>W</i>
PACKER		<i>C</i>
OTHER <i>Wild A</i>	<i>1</i>	<i>0</i>

**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. \_\_\_\_\_

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 \_\_\_\_\_

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MAR 31 1994  
CONSERVATION DIVISION  
WICHITA, KS

DEPARTMENT *Cement*

DESCRIPTION OF JOB *8 1/2" Surface*

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

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR *R. Tugh*

COPIES REQUESTED *1*

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>400</i>	<i>HLC</i>	<i>C</i>	<i>B</i>	<i>2% C.C., 1/4" #16 Flange</i>	<i>2.06</i>	<i>123</i>
<i>2</i>	<i>150</i>	<i>Premium Plus</i>	<i>C</i>	<i>B</i>	<i>2% C.C., 1/4" #16 Flange</i>	<i>1.32</i>	<i>148</i>

**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 *1300* REASON *Shut In*

**SUMMARY**

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. *74*

CEMENT SLURRY: BBL.-GAL. *182*

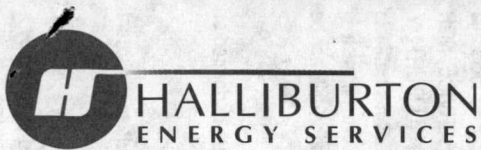
TOTAL VOLUME: BBL.-GAL. *256*

**RAMARKS**

*See Job Log*

CUSTOMER NO. \_\_\_\_\_  
LEASE \_\_\_\_\_  
WELL NO. *249214*  
JOB TYPE \_\_\_\_\_  
DATE *11-5-93*





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

COPY  
 15.055.21223-0000  
 No.

TICKET  
 549218 - X

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS 1. 025540	WELL/PROJECT NO. 2H F	LEASE Hicks G.U.'D	COUNTY/PARISH Finney	STATE KS	CITY/OFFSHORE LOCATION	DATE 11-5-97	OWNER Same
2. 025535	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Cherokee Data	RIG NAME/NO. 3	SHIPPED VIA C.T.	DELIVERED TO Location	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	01	01	010		S. Garden City		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOG	ACCT	DF									
000-117		1				MILEAGE	8408	1	hr	124	m	2.95	341.00
001-016		1				Pump Charge		6	hr	1176	ft	(647)	1060.00
030-018		1				5w Top Plug		1	ea	8 5/8	in		130.00
40	806.60059	1				Centralizers		2	ea	8 5/8	in	72.00	144.00
597	825.1269	1				Baffle (Alum)		1	ea	8 5/8	in		45.00
350	890.10802	1				Weld A		1	ea	1	lb		14.50

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 MAR 31 1994  
 INSURANCE 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: \_\_\_\_\_  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 1734.50
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			SUB-TOTAL 9187.52
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE	TUBING PRESSURE	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			
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

**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
	<b>X</b>	<i>Richard L. Lusk</i>	D4033	w/39% disc \$5604.42

ORIGINAL

## 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.

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**HALLIBURTON**  
ENERGY SERVICES

TICKET CONTINUATION

COPY

15-055-21223-0000

39

TICKET No. 519218
----------------------

FORM 1911 R-8

CUSTOMER					WELL				DATE		PAGE	OF	
Amoco Production					Hicks G.U. "D" 2HT				11-4-93		2	2	
PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF									
504-050	516.00265						150	sk				9.22	1,383.00
504-120							400	sk				8.21	3,284.00
504-050	516.00265												
506-105	516.00286												
506-121	516.00259												
507-210	890.50071						138	lb				1.40	193.20
509-406	890.50812						10	sk				28.25	282.50
500-207						SERVICE CHARGE						1.35	781.65
500-306						MILEAGE CHARGE						.95	1,528.72
						TOTAL WEIGHT	51,909#						
						LOADED MILES	62						
						TON MILES	1,609.179		579				

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MAR 31 1994  
CONSERVATION DIVISION  
WICHITA, KS

<b>CONTINUATION TOTAL</b>	<b>7453.02</b>
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JOB LOG FORM 2013 R-4

DATE 10-28-93 PAGE NO.

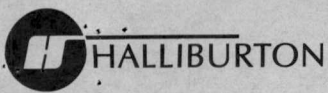
CUSTOMER Amoco Prod. WELL NO. D-2 LEASE HICKS. JOB TYPE CONDUCTOR PIPE TICKET NO. 648027

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for time, rate, volume, and descriptions like 'CALLED OUT READY 1500 ON LOCK. WAITING ON TRUCK' and 'JOB OVER'.

THANK FOR CALLING HALLIBURTON ENERGY SERVICES LIBERAL KS. Tim BROADFOOT & CREW

RECEIVED KANSAS CORPORATION COMMISSION MAR 31 1994 CONSERVATION DIVISION WICHITA, KS





# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

WID CONTINENT AREA 15-055-21223-0000  
LIBERAL KS. BILLED ON 648027  
TICKET NO.

## WELL DATA

FIELD \_\_\_\_\_ SEC \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY FINNEY 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	4	78	20"	64	80	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-28-93</u>	DATE <u>10-28-93</u>	DATE <u>10-28-93</u>	DATE <u>10-28-93</u>
TIME <u>1100</u>	TIME <u>1800</u>	TIME <u>1813</u>	TIME <u>2000</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>BLADFOOT</u>	<u>40073</u>	<u>LIBERAL KS.</u>
<u>WILLIAMS</u>	<u>52738</u>	<u>"</u>
<u>CORNELSON</u>	<u>3400</u>	<u>HUGOTON KS.</u>

### TOOLS AND ACCESSORIES

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

## 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. \_\_\_\_\_ 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  
MAR 31 1994  
CONSERVATION DIVISION  
WICHITA, KS

DEPARTMENT CEMENT

DESCRIPTION OF JOB CONDUCTOR PIPE

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

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>160</u>	<u>PREM PARS</u>		<u>B</u>	<u>2% C.C.</u>	<u>1.32</u>	<u>14.8</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL. -GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

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

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL. -GAL. \_\_\_\_\_ DISPL. BBL. -GAL. 25.6

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL. -GAL. 37.6

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL. -GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 10 REASON PLUG

## REMARKS

CEMENT TO SURFACE

CUSTOMER  
ANCOO  
LEASE  
HICKS  
WELL NO.  
D-2  
JOB TYPE  
CONDUCTOR  
DATE  
10-28-93



TICKET CONTINUATION

COPY  
15-055-21223-0000

TICKET No. 648027

CUSTOMER Amoco Production	WELL Hicks d-2	DATE 1028-93	PAGE 1	OF 1
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FORM 1911 R-8

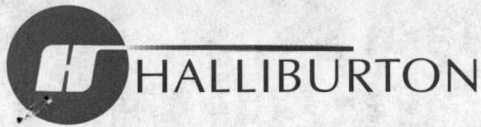
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF										
504-050	516.00265					Premium Plus Cement	155		sk		9.22	1429.10		
509-406	890.50812					Calcium Chloride 2%W/ 155	3		sk		28.25	84.75		
504-050	516.00265					Premium Plus Cement	5				9.22	46.10		
SERVICE CHARGE														
500-207										CUBIC FEET	161	1.35	217.35	
500-306						MILEAGE CHARGE	TOTAL WEIGHT	14810	LOADED MILES	52	TON MILES	385.06	1.95	365.80

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 KANSAS CORPORATION COMMISSION  
 MAR 31 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

CONTINUATION TOTAL 2145.10





HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: Amoco Production  
 ADDRESS: 2222 W. OKLA AVE  
 CITY, STATE, ZIP CODE: OKLAHOMA OK 73100

COPY

TICKET

No.

648027 - 6

15.055-21223-0000

PAGE 1 OF 2

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>D-2</u>	LEASE <u>HICKS</u>	COUNTY/PARISH <u>FINNEY</u>	STATE <u>K</u>	CITY/OFFSHORE LOCATION	DATE <u>1-28-93</u>	OWNER <u>Amoco</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
					MILEAGE	32	mi	1	unit	2.35	143
						33	mi	1	unit		575

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MAR 31 1994  
CONSERVATION DIVISION

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <u>X</u>	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	<b>PAGE TOTAL</b> 718 <b>FROM CONTINUATION PAGE(S)</b> 2143 <b>SUB-TOTAL</b> 2861 APPLICABLE TAXES WILL BE ADDED ON INVOICE	
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?						
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
DATE SIGNED <u>1-28-93</u>	TIME SIGNED <u>1930</u>	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		TREE CONNECTION	TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND									

**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) <u>DAVID W. HICKS</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u>	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL <u>w/39% disc. 1745.27</u>
--	--	-------------------------------	-------	--

## 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.

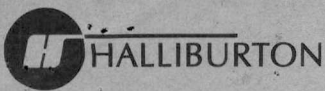


**JOB LOG** FORM 2013 R-4

CUSTOMER A.C. PROD.	WELL NO. D-2	LEASE HICKS	JOB TYPE CONDUCTOR PIPE	TICKET NO. 648027
------------------------	-----------------	----------------	----------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							CALLED OUT READY 1500
	1200							ON LOCK. WAITING ON TRUCK
	1313	2.5	37.6					START CMT. 14% / GAL
	1330	3	25.2					START DISK W/ 11" O
	1345	2	0					SHUT DOWN LEFT 1044 PLUG IN CSG.
								JOB OVER
								CMT TO SURFACE
								THANK F.R. CALLING HALLIBURTON ENERGY SERVICES LIBERAL KS TIM BRADFORD CREW

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 KANSAS CORPORATION COMMISSION  
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 CONSERVATION DIVISION  
 WICHITA, KS



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

15-055-21223-0006  
BILLED ON TICKET NO. 91827

## WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY Johnson 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			2"			
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		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE _____	DATE _____	DATE _____	DATE _____
TIME _____	TIME _____	TIME _____	TIME _____

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
WILLIAMS	52136	11

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

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 \_\_\_\_\_

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
MAR 31 1994  
CONSERVATION DIVISION  
WICHITA, KS

DEPARTMENT Cement

DESCRIPTION OF JOB CONDUCTIVE PIPE

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

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR \_\_\_\_\_ COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	160	1584 P&S				1.32	14.8

### 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 10 REASON 32.44

### SUMMARY

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 296

CEMENT SLURRY: BBL.-GAL. 37.6

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

### REMARKS

Cement Cond. Csg.

CUSTOMER \_\_\_\_\_

LEASE \_\_\_\_\_

WELL NO. \_\_\_\_\_

JOB TYPE \_\_\_\_\_

DATE \_\_\_\_\_



**TICKET CONTINUATION**

COPY

15-055-21223-0000

TICKET No. 648027

FORM 1911 R-8

CUSTOMER Amoco Production	WELL Hicks d-2	DATE 1028-93	PAGE	OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
504-050	516.00265					Premium Plus Cement	155	sk			9.22	1429.10	
509-406	890.50812					Calcium Chloride 2%W/ 155	3	sk			28.25	84.75	
504-050	516.00265					Premium Plus Cement	5				9.22	46.10	
SERVICE CHARGE													
500-207											1.35	217.35	
500-306						MILEAGE CHARGE		TOTAL WEIGHT	14810	LOADED MILES	52	TON MILES	385.06
											1.95	365.80	

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 MAR 3 1 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

ORIGINAL

CONTINUATION TOTAL

2143.10



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: Amoco PRODUCTION  
 ADDRESS: 2225 W OKLA AVE  
 CITY, STATE, ZIP CODE: WALSLEY KS 67880

COPY

TICKET

No.

648027 - 6

15-055-21223-0000

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>W. BERAR KS</u>	WELL/PROJECT NO. <u>D-2</u>	LEASE <u>HICKS</u>	COUNTY/PARISH <u>FINNEY</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>10-28-93</u>	OWNER <u>Amoco PROD.</u>
2. <u>HUGGTON KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <u>RAW</u>	RIG NAME/NO. <u>RAW</u>	SHIPPED VIA <u>P.U.</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>003</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>200-117</u>					MILEAGE	<u>52</u>	<u>Mi</u>	<u>1</u>	<u>UNIT</u>	<u>2.75</u>	<u>143</u>
<u>301-016</u>					PUMP CHARGE	<u>80</u>	<u>HR</u>	<u>6</u>	<u>HR</u>		<u>575</u>

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 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 *[Signature]*

DATE SIGNED: 10-28-93 TIME SIGNED: 1930

A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>718</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>2861</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			10
WELL DEPTH		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

**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) <u>DAVID W MCCART</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u> <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP # <u>D4604</u>	HALLIBURTON APPROVAL <u>w/39% disc.</u>	<u>1745.27</u>
--	---	---	-----------------------	--	----------------

ORIGINAL



## 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.