

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, Rm. 2118  
Denver, CO 80201

Purchaser: \_\_\_\_\_  
Operator Contact Person: Julie Victor  
Phone (303) 830-4009

Contractor: Name: Cheyenne Drilling  
License: 5382

Wellsite Geologist: \_\_\_\_\_

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

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

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

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

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

5/16/93 5/18/93 6/17/93  
Spud Date Date Reached TD Completion Date

API No. 15 - 129-21161-0000  
County Morton  
SW - SW - NE - NE Sec. 13 Twp. 32 Rge. 40  East West  
4030 Feet from  N (circle one) Line of Section  
1250 Feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE,  SE, NW, or SW (circle one)  
Lease Name Fidelity Savings G.U. A Well # 2HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3291' KB 3302'

Total Depth 2602' PBTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 524 Feet

Multple 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 P-26-93  
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid Volume 2140 bbls

Dewatering method used dried and filled

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

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

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S.Rng. \_\_\_\_\_ E/W

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

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months.). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete to the best of my knowledge.

Signature Julie Victor

Title Permitting Representative Date July 6, 1993

Subscribed and sworn to before me this 6 day of July, 1993

Notary Public Nabeel M. Abd

Date Commission Expires December 26, 1994

K.C.C. OFFICE USE ONLY  
F  Letter of confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
RECEIVED  
Distribution: \_\_\_\_\_  
KCC  SWD/Rep \_\_\_\_\_ NGPA  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
7-9-93 11/11/93  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas

P1

Operator Name Amoco Production Company

Lease Name Fidelity Savings G.U. A Well # 2HI

Sec. 13 Twp. 32 Rge. 40  East  West

County Morton

**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.)  Yes  No  Log Formation (Top), Depth and Datums  Sample

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run (Submit Copy.)  Yes  No

List All E. Logs Run:

Name	Top	Datum
Herington	2,386'	
Krider	2,414'	
Winfield	2,462'	
Towanda	2,534'	
Ft. Riley	2,590'	

**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#	524'	Class C	290	
Production	7-7/8"	5-1/2"	15.5#	2,602'	Class C	450	

**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	2388-2394'; 2420-2430'; 2460-2496';		Frac with 246,140# 12/20 sand and 57,723 gals. fluid	2388-2599'
	2532-2554'; 2589-2599'			

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 checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
SI					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		1500			

Disposition of Gas:

Vented  Sold  Used on Lease

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled

Production Interval:

2388-2599'

(If vented, submit ACO-18)

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

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY  
FIDELITY SAVINGS GU "A" NO. 2 HI  
SECTION 13-T32S-R40W  
MORTON COUNTY, KANSAS

COMMENCED: 05-16-93  
COMPLETED: 05-18-93

SURFACE CASING: 514' OF 8 5/8"  
CMTD W/140 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- 524
RED BED	524-1592
RED BED & SHALE	1592-2192
CHASE	2192-2602 RTD

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

CHEYENNE DRILLING, INC.

*Claude E. Norwood*  
CLAUDE E. NORWOOD

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 20TH DAY OF MAY, 1993.

BECKY J. WHETSTONE  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 4/29/95

*Becky J. Whetstone*

BECKY J. WHETSTONE, NOTARY PUBLIC

RECEIVED  
STATE CORPORATION COMMISSION

JUL - 9 1993

CONSERVATION DIVISION  
Wichita, Kansas

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

WELL NO. A 2 HI LEASE Fidelity Saving TICKET NO. 345283  
 CUSTOMER Cheyenne Ark "Amoco" PAGE NO. 1  
 JOB TYPE 035 DATE 5-19-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	04:20							Callout Ready 07:30
	07:30							ONloc. Big Start Lay Down D.P. w.o. Cat.
	10:10							Start CSG. in Hole CSG on Bottom Hook-up Cir Hole Safety Meeting att. by Jack, Sam, Tim, Bill, Juan, Will
	11:55	4	20				200	Start Job 20 bbls H <sub>2</sub> O Ahead
	12:07	6	110				"	300 SK HLC P+
	12:17	"	35				"	150 SK Perm +
	12:24	-					-	Stop Wash-up & Drop Plug
	12:28	6					100	Start Displ w H <sub>2</sub> O
	12:43	2	50				700	Plug Down Release back Float Holding
		-	61				800	
								Slurry Cir to Pit - 30 bbls = 81.7 SKS Plug Landing P.S.I. - 800 PSI.
								Average head - 200 PSI P.S.I. Tail - 200 Displ - 550
								Average head - 11 Rate Tail - 5 Displ - 4 overall - 5.7

RECEIVED  
STATE CORPORATION COMMISSION

MAY 19 1993

Thank You Tim & Crew

CONSERVATION DIVISION  
Wichita, Kansas

FIELD OFFICE



# JOB SUMMARY

HALLIBURTON DIVISION OKla City OK  
 HALLIBURTON LOCATION Liberal Ks

BILLED ON TICKET NO. 345283

## WELL DATA

FIELD \_\_\_\_\_ SEC. 13 TWP. 32 RNG. 40 COUNTY Morton 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 Clay MUD WT. 9.0

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 2602

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>155</u>	<u>5 1/2</u>	<u>KB</u>	<u>2602</u>	<u>1500</u>
LINER						
TUBING						
OPEN HOLE			<u>7 1/2</u>	<u>3P</u>	<u>2602</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>3B</u>	<u>1</u>	<u>Hawco</u>
FLOAT SHOE		
GUIDE SHOE <u>4 1/2</u>	<u>1</u>	
CENTRALIZERS <u>3-11</u>	<u>5</u>	
BOTTOM PLUG		
TOP PLUG <u>3-11</u>	<u>1</u>	
HEAD <u>ROPE</u>	<u>1</u>	
PACKER		
OTHER <u>W.I.A</u>	<u>1</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-19-93</u>	DATE <u>5-19-93</u>	DATE <u>5-19-93</u>	DATE <u>5-19-93</u>
TIME <u>04:30</u>	TIME <u>07:30</u>	TIME <u>11:30</u>	TIME <u>12:43</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Bohannon</u>	<u>40045 RD.</u>	<u>Liberal Ks</u>
<u>B. Sawyer</u>	<u>52823 P.</u>	<u>" "</u>
<u>W. Macm</u>	<u>50806</u>	<u>Hugoton Ks</u>
<u>W. Thomas</u>	<u>4715</u>	<u>" "</u>

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENISTY \_\_\_\_\_ 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. \_\_\_\_\_

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

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Comm +

DESCRIPTION OF JOB 035

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X John Pappas

HALLIBURTON OPERATOR Tim Bohannon COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>300</u>	<u>HIC P+</u>		<u>5</u>	<u>1/2 flocc</u>	<u>2.06</u>	<u>12.3</u>
<u>2</u>	<u>150</u>	<u>Pem +</u>		<u>5</u>	<u>1/2 flocc</u>	<u>1.32</u>	<u>14.8</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL-GAL. 20 TYPE H2O

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

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL. BBL-GAL. 61

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL. 110 + 352

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

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

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

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

FEET 42 REASON stop IT

### REMARKS

RECEIVED STATE CORPORATION COMMISSION

MAY - 9 1993

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER Dr. ...  
 LEASE ...  
 WELL NO. ...  
 JOB TYPE ...

**WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA**

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 345283

DISTRICT Liberal KS

DATE 5-18-93

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

WELL NO. A2HI LEASE Fidelity Savings G.O. SEC. 13 TWP. 325 RANGE 40W  
FIELD \_\_\_\_\_ COUNTY Morton STATE KS OWNED BY Amoco Production

**THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT**

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF							

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

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_  
035 5k 300<sup>FR</sup> HLC "A+" 1/2" floccle  
150<sup>FR</sup> Rem "+" 1/2" floccle  
Disp 1 W 5-W Plug & H<sub>2</sub>O

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

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
  - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
    - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
    - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
    - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
  - The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
  - That 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 products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
  - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
  - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
  - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
  - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
  - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED \_\_\_\_\_ CUSTOMER  
DATE 5-19-93  
TIME 07:30 A.M. P.M.

RECEIVED  
STATE CORPORATION COMMISSION  
JUL - 9 1993  
CONSERVATION DIVISION  
Wichita, Kansas

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

RETAIN



# BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND  
TICKET NO. 345283

DATE <b>05-18-93</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>A-2HI Fidelity Saving G.U.</b>	COUNTY <b>Morton</b>	STATE <b>Kansas</b>
CHARGE TO <b>Cheyenne Drlg.</b>		OWNER <b>Amoco Production</b>	CONTRACTOR <b>Cheyenne Rig #2</b>	No. <b>B 171643</b>
MAILING ADDRESS		DELIVERED FROM <b>Hugoton, Ka</b>	LOCATION CODE <b>025535</b>	PREPARED BY <b>Mike Gilbert</b>
CITY & STATE		DELIVERED TO <b>NW/Rolla, Ka</b>	TRUCK NO. <b>4461-5611 50866-5839</b>	RECEIVED BY <i>T. Johnson</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-050	516.00265	2	B	Premium Plus Cement	150	sk			8.95	1342	50
504-120		2	B	Halliburton Light Cement	300	sk			8.05	2415	00
504-050	516.00265										
506-105	516.00286										
506-21	516.00259										
507-210	890.50071	2	B	Flocele 1/4" W/ 450	113	lb			1.40	158	20
					Returned Mileage Charge		TOTAL WEIGHT		LOADED MILES	TON MILES	
					SERVICE CHARGE ON MATERIALS RETURNED		CU. FEET				
500-207		2	B	SERVICE CHARGE			457	STATE 1.25			
500-306		2	B	Mileage Charge	46,490	10	23.245	.85			
				TOTAL WEIGHT		LOADED MILES	TON MILES				
No. <b>B 171643</b>							CARRY FORWARD TO INVOICE		SUB-TOTAL		RECEIVED CORPORATION COMMISSION
											Wichita, Kansas JUL - 9 1993 197 58 46-41 53

FORM 1911 - R7 REV. 8-85

EXTRA COPY

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <b>A-2HI Fidelity Saving</b>		COUNTY <b>Morton</b>	STATE <b>Ks</b>	CITY / OFFSHORE LOCATION	DATE <b>5-19-93</b>
CHARGE TO <b>Cheyenne Only</b>		OWNER <b>Amoco Production</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR <b>Cheyenne - 2</b>	LOCATION <b>1 Liberal Ks</b>		CODE <b>025540</b>
CITY, STATE, ZIP		SHIPPED VIA <b>HS.</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION <b>2 Hugoton Ks</b>
WELL TYPE <b>02</b>		WELL CATEGORY <b>01</b>	WELL PERMIT NO.	DELIVERED TO <b>Loc N.W. Kolla Ks</b>	LOCATION <b>3</b>
TYPE AND PURPOSE OF JOB <b>035</b>		ORDER NO. <b>B-171643</b>		REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
005-117		1		MILEAGE	10	mi	1	KA	2.75	27	50
001-016		1		Pump Charge	2656	FT	8	KA		1725	00
030-018		1		5-w Plug	5	in	1	KA		65	00
12A	825.205	1		Guide Shoe	5	in	1	KA		121	00
24A	815.19251	1		insert Plug	"	"	"	"		110	00
27	815.19311	1		Fill away	"	"	"	"		46	50
40	227.93032	1		Control Plug	"	"	5	50	44.00	220	00
350	870.10802	1		Hammer Weld	1	lb	1	KA		14	50

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B- 171643**

RECEIVED

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

**X** \_\_\_\_\_  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

**X** \_\_\_\_\_  
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

**Tom Pohnman**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL \_\_\_\_\_

STATE OF \_\_\_\_\_ PRODUCTION COMMISSION

**JUL - 9 1993**

SUB TOTAL \_\_\_\_\_

CONC. APPLICABLE TAXES WILL BE ADDED ON INVOICE.

Wichita, Kansas  
**6,514.03**

**EXTRA COPY**



**JOB LOG**

WELL NO. 2 HI LEASE Fidelity Savings TICKET NO. 345260  
E.V. A

CUSTOMER Cheyenne Drilling PAGE NO. 1

JOB TYPE 8 7/8 Sulf. DATE 5/16/93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	13:00							Called out
	15:00							On Loc. all Equip
	16:00							safety meeting
	17:45							Howco + Cust Ready
1	17:47	3	10				150	Preflush water
2	17:50	5	51				150	mix + Pump Lead CNT @ 12.3 #
3	18:00	5	35				200	mix + Pump Tail CNT @ 14.8 #
								Drop Plug
4	18:07	4	30.5				150	Displace w/ Fresh water
	18:18						250/300	Land Plug
	18:18							Job Complete Trucks + Crew Released
								Thanks for calling Halliburton  Jim + Crew

RECEIVED  
STATE CORPORATION COMMISSION

JUL - 9 1993

CONSERVATION DIVISION  
Wichita, Kansas

FIELD OFFICE



# JOB SUMMARY

HALLIBURTON DIVISION Eastern Area 1  
 HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 345260

### WELL DATA

FIELD \_\_\_\_\_ SEC. 13 TWP. 32S RNG. 40W COUNTY Morton STATE Kan

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		24	8 7/8	KB	524	1,000
LINER						
TUBING						
OPEN HOLE			12 1/4	KB	524	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

### JOB DATA

#### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4</u>	<u>3</u>	<u>HOWCO</u>
BOTTOM PLUG		
TOP PLUG <u>5W</u>	<u>1</u>	<u>"</u>
HEAD <u>PC + Mn.</u>	<u>1</u>	<u>"</u>
PACKER <u>Alum Bottle</u>	<u>1</u>	<u>"</u>
OTHER <u>Weld A</u>	<u>1</u>	<u>"</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5/16</u>	DATE <u>5/16</u>	DATE <u>5/16</u>	DATE <u>5/16</u>
TIME <u>13:00</u>	TIME <u>15:00</u>	TIME <u>17:47</u>	TIME <u>18:18</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Yocum</u>	<u>D0547</u>	<u>Cementer</u>
<u>R. Elwood</u>	<u>D4360</u>	<u>4903/7842</u>
	<u>7524</u>	<u>P</u>
<u>J. Martin</u>	<u>F4579</u>	<u>4673/5838</u>
	<u>660</u>	<u>P</u>

#### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
 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 \_\_\_\_\_

DEPARTMENT CMT  
 DESCRIPTION OF JOB Surf.

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X John Popper

HALLIBURTON OPERATOR J. Yocum COPIES REQUESTED 1

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>140</u>	<u>PRIM PLU</u>	<u>Lite</u>	<u>B</u>	<u>2% CC, 1/4 #/sk. Elmer's</u>	<u>2.24</u>	<u>12.3</u>
<u>2</u>	<u>150</u>	<u>PRIM PLU</u>	<u>Lite</u>	<u>B</u>	<u>2% CC, 1/4 #/sk. Elmer's</u>	<u>1.32</u>	<u>14.2</u>

### PRESSURES IN PSI

CIRCULATING 175 DISPLACEMENT 200  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN INSTANT 250 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING 5 DISPL. 4 OVERALL 4 1/2  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 42 REASON Bottle

### SUMMARY

### VOLUMES

PRESLUSH: BBL-GAL 10 TYPE Water  
 LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
 TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL. BBL-GAL. \_\_\_\_\_  
 CEMENT SLURRY: BBL-GAL. 1) 51 2) 35  
 TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

### REMARKS

10 PBL: CMT to Pit - (27 SK.)  
 JUL - 9 1999  
 CONSERVATION DIVISION  
 Wichita, Kansas

CUSTOMER Cheyenne Drilling  
 LEASE Fidelity Savings Co  
 WELL NO. 2 HI  
 JOB TYPE Surf



TICKET

PAGE 1 OF 2 PAGES

HALLIBURTON SERVICES  
Duncan, Oklahoma 73536

NO. 345260-3

A Division of Halliburton Company

FORM 1906 R-11

WELL NO.-FARM OR LEASE NAME <b>2 HI Fidelity Savings Gu. A</b>		COUNTY <b>Morton</b>	STATE <b>KN</b>	CITY / OFFSHORE LOCATION	DATE <b>5/16/93</b>
CHARGE TO <b>Cheyenne Drilling</b>		OWNER <b>Amoco Prod.</b>		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS <b>P.O. Box 916</b>		CONTRACTOR <b>Cheyenne #2</b>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
CITY, STATE, ZIP <b>Garden City, OK</b>		SHIPPED VIA <b>Co. Veh</b>		LOCATION <b>1 Liberal</b>	
WELL TYPE <b>02 Gas</b>		WELL PERMIT NO. <b>API</b>		LOCATION <b>2 Hugoton</b>	
WELL CATEGORY <b>01 Devel.</b>		DELIVERED TO <b>LOC.</b>		LOCATION <b>3</b>	
TYPE AND PURPOSE OF JOB <b>010 surf</b>		ORDER NO.		REFERRAL LOCATION	
		<b>B-171634</b>			

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

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PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117				MILEAGE	10	m.	1	TR	2.75	27	50
001-016				Casing Job		FT	8	HRS		735	00
40	807.93039			54 Centralizer	8 3/8	IN	3	EA	72.00	216	00
350	890.10802			Weld A	1	LB	1	EA		14	50
597	825.1269			Aluminum Baffle	8 5/8	IN	1	EA		45	00
030-018				5 Wiper Top Plug	8 5/8	IN	1	EA		130	00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B-171634**

RECEIVED

3241

MAY - 9 1993

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
 CUSTOMER OR HIS AGENT (PLEASE PRINT)  
 CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

**Jim Yocum**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUBS TOTAL: **7410.85**  
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.

FIELD OFFICE



# BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 745260

Pg 2 of 2

DATE 5-16-93	CUSTOMER ORDER NO.	WELL NO. AND FARM #2 HI Fidelity Savings G.U. "A"	COUNTY Morton	STATE Kansas
CHARGE TO Cheyenne Drilling		OWNER Amoco	CONTRACTOR Cheyenne #2	
MAILING ADDRESS		DELIVERED FROM flugoton, kansas	LOCATION CODE 025535	PREPARED BY Don Phillips
CITY & STATE		DELIVERED TO N/ Rolla, Kansas	TRUCK NO.	RECEIVED BY J. m. Yocum

No. **B 171634**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-050	516.00265	2	B	Premium Plus Cement	150	sk			8.95	1,342	50
504-120		2	B	Halliburton Light Cement	140	sk			8.05	1,127	00
507-210	890.50071	2	B	Flocele B/ 1/4 W/ 290	73	lb			1.40	102	20
509-406	890.50812	2	B	Calcium Chloride B/ 2 3/4 W/ 290	6	sk			28.25	169	50
Returned Mileage Charge					TOTAL WEIGHT		LOADED MILES		TON MILES		
SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET				
500-207		2	B	SERVICE CHARGE				307	1.25	383	75
500-306		2	B	Mileage Charge	27,505#	10		137.525	.85	116	90
Returned Mileage Charge					TOTAL WEIGHT		LOADED MILES		TON MILES		
Returned Mileage Charge							CU. FEET				
No. <b>B 171634</b>		CARRY FORWARD TO INVOICE						SUB-TOTAL		3,041.85	

**WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA**

FORM 1908 R-7

ATTACH TO INVOICE & TICKET NO. 345260

DISTRICT Liberal

DATE 5/16/93

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Cheyenne Drilling (CUSTOMER)  
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2 HI LEASE Fidelity Savings G.U.A SEC. 13 TWP. 32<sup>S</sup> RANGE 40<sup>W</sup>

FIELD \_\_\_\_\_ COUNTY Morton STATE Kn OWNED BY Amoco Prod.

**THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT**

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF							

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

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED

Cmt surf with 140 sk Prem Plus Lite w/2% CC + 1/4 #/sk Flocele.  
150 sk Prem Plus w/2% CC + 1/4 #/sk Flocele

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

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

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

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

RECEIVED  
STATE CORPORATION COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.  
SIGNED Josh Pappas CUSTOMER  
DATE 5/16/93  
TIME 3:30 A.M. (P.M.)

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

FIELD OFFICE