

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

API No. 15 - 175-21277-00 ORIGINAL

Operator: License # 5952
Name: Amoco Production Company
Address P.O. Box 800, Rm. 2118
City/State/Zip Denver, CO 80201

County Seward
NE . NE . SW . SW Sec. 32 Twp. 31 Rge. 33 X East West
1250 Feet from S/N (circle one) Line of Section
4030 Feet from E/W (circle one) Line of Section

Purchaser: _____
Operator Contact Person: Julie Victor
Phone (303) 830-4009
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: _____

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

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

Field Name Hugoton
Producing Formation Chase
Elevation: Ground 2833' KB 2844'
Total Depth 3308' PBDT _____

Workover/Re-entry: old well info as follows:
Operator: N/A
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
11/28/92 12/2/92 Delayed
Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 527 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 4-26-93
(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. _____ EW
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 PERMITTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 April 12, 1993
described and sworn to before me this 12 day of April, 1993
Notary Public Nakole M. Wood
Date Commission Expires December 26, 1994

RECEIVED
STATE CORPORATION COMMISSION
APR 16 1993
K.C.C. OFFICE USE ONLY
Conservation of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)

Operator Name Amoco Production Company

Lease Name Thomas G.U. C

Well # 2HI

Sec. 32 Twp. 31 Rge. 33 East West

County Seward

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

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E. Logs Run:

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Herington	2588'	+256'
Krider	2610'	+234'
Winfield	2660'	+184'
Towanda	2720'	+124'
Ft. Riley	2776'	+ 68'

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#	527'	Class C	345	
Production	7-7/8"	5-1/2"	15.5#	3,308'	Class C	655	

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				

PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
(Amount and Kind of Material Used) Depth

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

TUBING RECORD Size N/A 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 Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18)

Other (Specify)

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2HE LEASE Thomas "O.C." TICKET NO. 304829
 CUSTOMER Chyenne Drk "Amoco" PAGE NO. 1
 JOB TYPE 010 DATE 11-29-92

FORM 2013 R-2

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	23:00							Call out Ready Now
	02:00							ON loc Drk Cir Hole Trip out w D.P.
	04:15							Start CSG.
	05:15							ON Bottom Hook-up Cir Hole
	05:45		10					Start H ₂ O Ahead
	05:50		25					11-3K HHC P+
	06:00		35					150 SK Prem +
	06:10							Stop Drop Plug
	06:12							Start Displ w H ₂ O
	06:20		30.9					Stop No CMT To Surface Wt. on 1" d CMT
	09:30							1" 50 FT 150 SK P+
	10:00	2				150		Stop
								CMT To Pit 8 bbls
								Plug heading 150 P _s
								Avg P _s head 150 P _s Tri 150 P _s Displ 75 P _s
								Avg Rate head 5 BPM Tri 5 BPM Displ 3 BPM 3 1/2 BPM
								Thank you Tim & Crew

RECEIVED
STATE COMMUNICATION COMMISSION

APR 16 1993

CONSERVATION DIVISION
Wichita, Kansas

FIELD OFFICE



FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME WAT Thomas Co's		COUNTY Sevier	STATE KS	CITY / OFFSHORE LOCATION	DATE 11-29-92
CHARGE TO Murray	OWNER Murray		TICKET TYPE (CHECK ONE) SERVICE <input type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS Murray		CONTRACTOR Murray		LOCATION 1 Libbrotke	CODE 015010
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION 2 Houston KS	CODE 015035
WELL TYPE	WELL CATEGORY	WELL PERMIT NO.	DELIVERED TO	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB		B-10752	ORDER NO.	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		
000-117				MILEAGE	30	mi				78.00
001-016				Phone Charge	1	hr				680.00
011-005				Phone Charge	1	hr				545.00
020-016				Phone Charge	1	hr				100.00
010				Phone Charge	1	hr				100.00
010				Phone Charge	1	hr				115.00
030				Phone Charge	1	hr				11.50

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-

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.

HALLIBURTON OPERATOR: [Signature]
 HALLIBURTON APPROVAL: [Signature]

SUB TOTAL
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.
RETAIN

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

ORIGINAL ATTACH TO INVOICE & TICKET NO. 304829
DATE 11-29-92

DISTRICT Liberal KS

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

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

WELL NO. 2HI LEASE Thomas G.O. "C" SEC. 32 TWP. 31 RANGE 33W

FIELD _____ COUNTY _____ STATE _____ 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.
CASING		N	24	2 1/2	KB	530	1500
LINER							
TUBING							
OPEN HOLE				12 1/4	GL	527	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 527 MUD WEIGHT 9.0

BORE HOLE 12 1/4

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF _____

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF _____

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

010 in well H₂O ahead 195 sk HLC P+ 2 1/2 cc 1" Hbertz
150 sk Perm 2 1/2 cc 1" Hbertz
Displ w saw floe d H₂O 150 sk of 1" cont R top out

CUSTOMER OR HIS AGENT WARRANTS THE WELLS 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

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

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on 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.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's 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.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton 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.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) 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 [Signature] CUSTOMER
DATE 11-29-92
TIME 02:00 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.

RETAIN

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKC City OK.
Liberal KE

BILLED ON TICKET NO. 304509

WELL DATA

FIELD _____ SEC. 32 TWP. 31 RNG. 33 W COUNTY STEWART STATE KE

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 Spud MUD WT. 9.0

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 527

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 7/8	KB	530	1500
LINER						
TUBING						
OPEN HOLE			13 1/4	CL	527	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-25-92</u>	DATE <u>11-27-92</u>	DATE <u>11-27-92</u>	DATE <u>11-29-92</u>
TIME <u>23:00</u>	TIME <u>02:00</u>	TIME <u>15:15</u>	TIME <u>10:00</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE	<u>3 5/8</u>	
GUIDE SHOE		<u>WACO</u>
CENTRALIZERS	<u>5-4</u>	<u>3</u>
BOTTOM PLUG		
TOP PLUG	<u>5-11</u>	<u>1</u>
HEAD		
PACKER	<u>WALL-A</u>	<u>1</u>
OTHER	<u>2000 P/L</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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Behannon</u>	<u>40075 40</u>	<u>Liberal KE</u>
<u>D. Cline</u>	<u>52535 2</u>	<u>" "</u>
<u>P. Cline</u>	<u>52507 6</u>	<u>Hogtown KE</u>
<u>D. Cline</u>	<u>50137</u>	<u>" "</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Oil

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Tim Behannon

HALLIBURTON OPERATOR Tim Behannon COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>175</u>	<u>HLC 22</u>			<u>22cc 1/4 HLC</u>	<u>106</u>	<u>123</u>
<u>2</u>	<u>150</u>	<u>Proctor</u>			<u>22cc 1/4 HLC</u>	<u>132</u>	<u>148</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 43 REASON Shoe T

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL 10 1/2 TYPE 100

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

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 30.7

CEMENT SLURRY: BBL-GAL _____

TOTAL VOLUME: BBL-GAL 711.5

REMARKS

CUSTOMER _____
LEASE _____
WELL NO. 3411
JOB TYPE _____
DATE 11-29-92



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO.

ORIGINAL

DATE 11-28-92	CUSTOMER ORDER NO.	WELL NO. AND FARM Thomas G. U. "C" #2 HI	COUNTY Seward	STATE Kansas
CHARGE TO Cheyenne Drilling		OWNER Amoco Production	CONTRACTOR Cheyenne #2	No. B 122782
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE -025535	PREPARED BY Don Phillips
CITY & STATE		DELIVERED TO S/ Satanta, Kansas	TRUCK NO.	RECEIVED BY

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			8.69	1,303	50	
504-120		2	B	Halliburton Light Cement	195	sk			7.82	1,524	90	
507-210	890.50071	2	B	Flocele B/ 1/2 W/ 345	86	lb			1.30	111	80	
509-406	890.50812	2	B	Calcium Chloride B/ @ 2% W/345	7	sk			26.50	185	50	
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET					
500-207		2	B	SERVICE CHARGE			CU. FEET	365	1.15	419	75	
500-306		2	B	Mileage Charge	32,729#	20	327,290		.80	261	83	
					TOTAL WEIGHT		TON MILES					
No. B 122782		CARRY FORWARD TO INVOICE						SUB-TOTAL				

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2 HI LEASE Thomas G.O. "C" TICKET NO. 304832
 CUSTOMER Cheyenne Drilg "Amoco" PAGE NO. 1
 JOB TYPE 035 **ORIGINAL** DATE 12-3-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:00							Call out Ready Now
	11:30							ON hoc Rig Start keydown D.P.
	15:00							Start 5 1/2 CSB in Hole
	17:15							CSB T.O. Hook-up C.r
	17:33							Start Job
		5	20			250		H ₂ O
	17:38	6	174			250		CMIT 475 5K HLC P+
	18:22	"	42			150		" 180 5K Perm+
	18:30	-				-		Stop wash-up
	18:24	6				150		Start Displ w H ₂ O
		2	47			750		Slow Down
	19:00	2	77.7			900		Plug Down Float Hold _{ing}
								Slurry To Pit NONE
								Plug level PSI 900
								Ave Psi head - 250 P.S.I.
								Tail - 150 "
								Displ - 150 "
								Ave Rate Lead - 3.9 BPM
								Tail - 6 "
								Displ - 2.8 "
								Overall - 3.4 "
								Thank You Tim & Crew

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKLAHOMA / OKLA.
Liberal, KS.

BILLED ON TICKET NO. 101932

WELL DATA

ORIGINAL

FIELD _____ SEC 32 TWP. 31 RNG. 33W COUNTY Sevier 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 3300

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	100	150	5 1/2	K0	311	1500
LINER						
TUBING						
OPEN HOLE			7 1/2	BL	3700	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-2-92</u>	DATE <u>12-3-92</u>	DATE <u>12-3-92</u>	DATE <u>12-3-92</u>
TIME <u>10:00</u>	TIME <u>11:30</u>	TIME <u>17:33</u>	TIME <u>19:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. Robinson	4005000	Liberal, KS
R. J. ...	5835 P	" "
L. Adair	30707	Mogotank
D. ...	3006	" "

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>insert 5 1/2</u>	1	
FLOAT SHOE		HOWCO
GUIDE SHOE	1	
CENTRALIZERS <u>5-9</u>		
BOTTOM PLUG		
TOP PLUG <u>5-9</u>	1	
HEAD <u>5-9</u>	1	
PACKER		
OTHER <u>...</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 Concrete

DESCRIPTION OF JOB 035

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Jack F...

HALLIBURTON OPERATOR Tom Robinson COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	475	MHC 14			1/2 Hacks	2.06	12.3
2	100	Am+			1/2 Hacks	1.22	14.0

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 46.45 REASON ...

SUMMARY

PRELUSH: BBL-GAL. 20 TYPE H2O

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

TREATMENT: BBL-GAL. _____

CEMENT SLURRY: BBL-GAL. 174

TOTAL VOLUME: BBL-GAL. _____

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
APR 16 1993
CONSERVATION DIVISION
Wichita, Kansas

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

DISTRICT Liberal KS DATE 12-3-92

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 Thomas G.U. "C" SEC. 32 TWP. 31 RANGE 33 W

FIELD _____ COUNTY Seward STATE KS 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.
CASING		N	15.5	5 1/2	KB	3311	1500
LINER							
TUBING							
OPEN HOLE				7 7/8	GL	3308	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

035 20 bbls H2O 475 SK HHC PL 1/4" floccle
180 SK PREM + 1/4" floccle

Displ w H2O 77.6 bbls

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 John Pepper CUSTOMER

DATE 12-3-92

TIME 11:30 A.M.



ORIGINAL

FORM 1906 R-11

WELL NO.-FARM OR LEASE NAME <i>2 NE Thomsen SW 1/4 "C"</i>		COUNTY <i>Seward</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>12-3-92</i>
CHARGE TO <i>Cheyenne Dry</i>	OWNER <i>Amoco Prod.</i>	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 <i>Cheyenne Dry</i>	CONTRACTOR <i>Cheyenne 2</i>	LOCATION <i>1 Liberal, KS</i>		CODE <i>025540</i>	
CITY, STATE, ZIP	SHIPPED VIA <i>Home</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <i>2 Hutchinson, KS</i>		CODE <i>025535</i>
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>see note liberal, KS</i>	LOCATION <i>3</i>	
TYPE AND PURPOSE OF JOB <i>025</i>		ORDER NO. B-122798	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			
<i>117</i>		<i>1</i>		MILEAGE	<i>30</i>	<i>mi</i>	<i>1</i>	<i>CA</i>	<i>260</i>	<i>78</i>	<i>-</i>
<i>0-1-016</i>		<i>1</i>		Pump Charge	<i>3311</i>	<i>GT</i>	<i>3</i>	<i>HP</i>		<i>1,185</i>	<i>-</i>
<i>30-016</i>		<i>1</i>		5-1/2 Pl.	<i>5 1/2</i>	<i>in</i>	<i>1</i>	<i>TA</i>		<i>50</i>	<i>-</i>
<i>12A</i>	<i>525,225</i>	<i>1</i>		Grind Stone	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>121</i>	<i>-</i>
<i>24A</i>	<i>415,175</i>	<i>1</i>		Insert + Flange	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>83</i>	<i>-</i>
<i>27</i>	<i>415,175</i>	<i>1</i>		Oil-up	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>30</i>	<i>-</i>
<i>40</i>	<i>527,930</i>	<i>1</i>		Chg	<i>"</i>	<i>"</i>	<i>5</i>	<i>SA</i>		<i>220</i>	<i>-</i>
<i>350</i>	<i>590,100</i>	<i>1</i>		Weld - A	<i>1</i>	<i>lb</i>	<i>1</i>	<i>TA</i>		<i>11</i>	<i>50</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-122798

6,744.91

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X *[Signature]*
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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

EXTRA COPY