

ORIGINAL

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

API No. 15 - 187-20663-0000
County Stanton
SE - SE - NW - NW Sec. 33 Twp. 27 Rge. 39 X East West

Operator: License # 5952
Name: Amoco Production Company
Address P.O. Box 800, Rm. 2118
City/State/Zip 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 SIOW 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 _____ PSTD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
4/9/93 4/11/93 6/9/93
Spud Date Date Reached TD Completion Date

4030 Feet from (S)N (circle one) Line of Section
4030 Feet from (E)W (circle one) Line of Section

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

Lease Name Baughman G.U. D Well # 4
Field Name Hugoton

Producing Formation Chase
Elevation: Ground 3173' KB 3184'
Total Depth 2499' PSTD _____

Amount of Surface Pipe Set and Cemented at 698 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 7-29-93
(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.). ~~Disclosures 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 Daphne M. Hook
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
KCC SWD/REPERF/CONV
KGS Plug Other
(Specify) 9 1993
7-9-93
KANSAS CORPORATION COMMISSION
Wichita, Kansas

SIDE TWO

Operator Name Amoco Production Company

Lease Name Baughman G.U. D

Well # 4

Sec. 33 Twp. 27 Rge. 39

East
 West

County Stanton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (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	2,289'	
Krider	2,303'	
Winfield	2,348'	
Towanda	2,408'	

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#	698'	Class C	330	
Production	7-7/8"	5-1/2"	15.5#	2,499'	Class C	550	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
4	2288-2300'; 2308-2322' 2348-2372'; 2408-2436'; 2471-2495'	Frac with 245,140# 12/20 Brady sand and 63,314 gal. fluid 2288-2495'

TUBING RECORD

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 1500 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

2288-2495'

(If vented, submit ACO-18)

Other (Specify) _____

DRILLERS LOG

AMOCO PRODUCTION COMPANY
BAUGHMAN GU "D" NO. 4 HI
SECTION 33-T27S-R39W
STANTON COUNTY, KANSAS

COMMENCED: 04-09-93
COMPLETED: 04-11-93

SURFACE CASING: 689' OF 8 5/8"
CMTD W/180 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- 698
RED BED & SAND	698-1558
RED BED & SHALE	1558-2499 RTD

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
A.J. JACQUES

RECEIVED
STATE CORPORATION COMMISSION

APR 15 1993

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12TH DAY OF APRIL, 1993.

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

Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC

HAZARD TON SERVICES
JOB LOG

WELL NO. 34E LEASE BAUGMAN G.O. "D" TICKET NO. 305597
 CUSTOMER CHEYENNE DRILL. PAGE NO. 1
 JOB TYPE 5 1/2 LS DATE 4-11-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBF) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0130							Called
	0500							Requested
	0430							On Location - Drill Rig up
	0500							TD - Circ Hole
	0530							L.P.P.
	0800							Run 5 1/2 casing
	0945							Spindle in - Hook up To Mud Pump
	0955							Hole Circulating - Slurry with
	1004							Start Mud Pump Down - Hook up To Loss Line
	1006	5	20				200	Pump To BBL Spill Water
	1010	9	147				250	Pump Loss Slurry @ 12.34 - Good Return
	1026	7	35				250	Pump Tail Slurry @ 14.24 - " "
	1030							Slurry in - Start down To Drop Top Plug & Wash Pumps & Lines
	1033	6					50*	Displace w/ H ₂ O - Good Return
	1040		50				800/1700	Slow Loss
	1045		58				800/1400	Plug Down - Reverse Plug - Finish Running
								Reopened Spill Location
								* Calculated 60 BBL - 180 SE of Slurry To Pit

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION

JUL - 9 1993

CONSERVATION DIVISION
Wichita, Kansas

FIELD OFFICE



JOB SUMMARY

HALLIBURTON DIVISION 23010
 HALLIBURTON LOCATION 2000

ORIGINAL

BILLED ON TICKET NO. 215577

CUSTOMER Wichita Falls
 LEASE HALLIBURTON CO. D.
 WELL NO. 215
 JOB TYPE 5-15
 DATE 7-9-93

WELL DATA

FIELD _____ SEC. 33 TWP. 20S RNG. 37W COUNTY SMITH 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	<u>N</u>	<u>15.5</u>	<u>5.5</u>	<u>15</u>	<u>2477</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 1/2</u>	<u>8 3/8</u>	<u>2477</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-11</u>	DATE <u>7-11</u>	DATE <u>7-11</u>	DATE <u>7-11</u>
TIME <u>1130</u>	TIME <u>7120</u>	TIME <u>2145</u>	TIME <u>1130</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Richard</u>	<u>01973</u>	<u>2000</u>
<u>Pyatt</u>	<u>75416</u>	<u>"</u>
<u>Cove</u>	<u>21372</u>	<u>Horton</u>
<u>Wagon</u>	<u>5835</u>	<u>"</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>10000 1/2" 5"</u>	<u>1</u>	<u>Horton</u>
GUIDE SHOE <u>10000 1/2" 5"</u>	<u>1</u>	<u>Horton</u>
CENTRALIZERS <u>5-1/2"</u>	<u>5</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>5-1/2"</u>	<u>1</u>	<u>"</u>
HEAD		
PACKER		
OTHER <u>10000 1/2" 5"</u>	<u>1</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-⁰API

DISPL. FLUID _____ DENSITY _____ LB/GAL-⁰API

PROP. TYPE _____ SIZE _____ LB

PROP. TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

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

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT 200

DESCRIPTION OF JOB 5-15

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X [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>400</u>	<u>Portland Cement</u>		<u>3</u>	<u>70 FLOCC</u>	<u>2.0%</u>	<u>12.3</u>
<u>2</u>	<u>150</u>	<u>Portland Cement</u>		<u>3</u>	<u>50 FLOCC</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. 20 TYPE 2000

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 58.3

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 182

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 47' REASON Side Trip

REMARKS

Well on 2000 5-15 to 1000

RECEIVED
 STATE CORPORATION COMMISSION
 JUL - 9 1993

22577

DISTRICT DATE

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. LEASE SEC. TWP. RANGE

FIELD COUNTY STATE OWNED BY

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FORMATION THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH MUD WEIGHT BORE HOLE INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

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.

- 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.
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.

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.

- 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.
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.
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.

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

SIGNED DATE TIME

RECEIVED STATE CORPORATION COMMISSION JUL - 9 1953 CONSERVATION DIVISION Wichita Kansas

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>Bowland A.U. 2 HI</i>		COUNTY <i>Seminole</i>	STATE <i>Ks</i>	CITY / OFFSHORE LOCATION	DATE <i>7-11-73</i>
CHARGE TO <i>Wagoner District</i>		OWNER <i>Wagoner</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS <i>Wagoner District</i>		CONTRACTOR <i>Wagoner #2</i>	LOCATION <i>1 L. REAR</i>	CODE <i>25540</i>	
CITY, STATE, ZIP		SHIPPED VIA <i>Wagoner</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION <i>2 Wagoner</i>	CODE <i>25585</i>
WELL TYPE <i>22</i>	WELL CATEGORY <i>21</i>	WELL PERMIT NO.	DELIVERED TO <i>Wagoner</i>	LOCATION <i>3</i>	CODE
TYPE AND PURPOSE OF JOB <i>335</i>		B- <i>16722</i>	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			
<i>200-117</i>		<i>1</i>		MILEAGE	<i>1.0</i>	<i>1 MI</i>			<i>2.75</i>	<i>27</i>	<i>50</i>
<i>201-216</i>				Pumpjack Service	<i>5</i>	<i>HR</i>	<i>24.19</i>			<i>115</i>	<i>00</i>
<i>232-216</i>				5-61 Top Post	<i>1</i>	<i>EA</i>	<i>5 1/2"</i>			<i>60</i>	<i>00</i>
<i>12A</i>	<i>225, 205</i>			Guide Sides	<i>1</i>	<i>EA</i>	<i>5 1/2"</i>			<i>121</i>	<i>00</i>
<i>24A</i>	<i>815, 17251</i>			INSRET	<i>1</i>	<i>EA</i>	<i>5 1/2"</i>			<i>110</i>	<i>00</i>
<i>27</i>	<i>815, 17211</i>			SHIELD	<i>1</i>	<i>EA</i>	<i>5 1/2"</i>			<i>46</i>	<i>50</i>
<i>40</i>	<i>817, 17222</i>			CONCRETE	<i>5</i>	<i>EA</i>	<i>5 1/2"</i>		<i>44.00</i>	<i>220</i>	<i>00</i>
<i>350</i>	<i>870, 17312</i>			WELD - A	<i>1</i>	<i>EA</i>				<i>14</i>	<i>50</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- *16722*

RECEIVED *571 72*

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.

[Signature]
HALLIBURTON OPERATOR

JUL - SLIP TOTAL *298436*

HALLIBURTON APPROVAL *[Signature]*

APPLICABLE TAXES WILL BE ADDED ON INVOICE.
CONSERVATION DIVISION
Wichita, Kansas



BULK MATERIALS DELIVERY AND TICKET CONTINUATION ORIGINAL

FOR INVOICE AND
TICKET NO. 305517

DATE 04-11-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Baughman G.U. "D" #3HI	COUNTY Stanton	STATE Kansas
CHARGE TO Cheyenne Drig.		OWNER Amoco Production	CONTRACTOR Cheyenne Rig #1	
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO W/Ulysses, Ks	TRUCK NO. 52827-7620 50866-5839	RECEIVED BY <i>KINS: N: 28</i>

No. **B 167028**

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	400	sk			8.05	3220	00
507-210	890.50071	2	B	Flocele 4#W/ 550	138	lb			1.40	193	20
				Returned Mileage Charge							
				TOTAL WEIGHT	LOADED MILES		TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		2	B	SERVICE CHARGE			CU. FEET	559	1.25	698	75
500-300		2	B	Mileage Charge	51.126	10	CU. FEET	255.63	1.85	217	29
				TOTAL WEIGHT	LOADED MILES		TON MILES				
No. B 167028		CARRY FORWARD TO INVOICE					SUB-TOTAL		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED JUL 5 1993 CORPORATION COMMISSION </div>		



HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

ORIGINAL NO. 345326-3

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>4 HI Rayburn Rd A</i>		COUNTY <i>STANTON</i>	STATE <i>K</i>	CITY / OFFSHORE LOCATION	DATE <i>4-9-52</i>
CHARGE TO <i>Cheyenne</i>		OWNER <i>Amoco P. 1</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS <i>Cheyenne</i>		CONTRACTOR <i>Cheyenne #2</i>	LOCATION <i>Liberal KS</i>		CODE <i>02774</i>
CITY, STATE, ZIP		SHIPPED VIA <i>None</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION <i>Stanton K</i>	CODE <i>02555</i>
WELL TYPE <i>2</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>location</i>	LOCATION <i>3</i>	CODE
TYPE AND PURPOSE OF JOB <i>oil</i>		B- <i>12346</i>	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			
<i>44 117</i>				MILEAGE	<i>10</i>	<i>M</i>			<i>2.75</i>	<i>27</i>	<i>50</i>
<i>22 016</i>				<i>Pump Charge</i>	<i>6.75</i>	<i>hr</i>	<i>4</i>	<i>hr</i>		<i>7.50</i>	<i>00</i>
<i>22 016</i>				<i>500 Gals. T. & M.</i>	<i>1</i>	<i>hr</i>	<i>82</i>	<i>mi</i>		<i>13.00</i>	<i>00</i>
<i>1/2</i>	<i>517.92.58</i>			<i>S. & C. Cementation</i>	<i>3</i>	<i>Ft</i>	<i>11</i>		<i>2.00</i>	<i>211</i>	<i>00</i>
<i>547</i>	<i>525.111</i>			<i>Aluminum Puffin</i>	<i>1</i>	<i>Ft</i>	<i>11</i>			<i>45</i>	<i>00</i>
<i>550</i>	<i>222.1.912</i>			<i>WELL. A</i>	<i>1</i>	<i>hr</i>				<i>14</i>	<i>50</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- *12346*

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.

John Brown
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

RECEIVED
 STATE CORPORATION COMMISSION
 SUB TOTAL *112.10*
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.
 CONSERVATION DIVISION
 Wichita, Kansas

EXTRA COPY



HALLIBURTON SERVICES
Duncan, Oklahoma 73169

A Division of Halliburton Company

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 15 22

ORIGINAL

DATE 04-09-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Doughman G.U. "D" #3H1	COUNTY Stanton	STATE Kansas
CHARGE TO Chavonne Drlg.		OWNER Amoco Production	CONTRACTOR Chavonne Rig #2	
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	No. B 123196
CITY & STATE		DELIVERED TO NW/Ulyssa, Ks	TRUCK NO. 3625-75817	PREPARED BY Mike Gilbert
				RECEIVED BY <i>[Signature]</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																																																																								
504-170		2	B	Halliburton Light Cement	180	sk			8.05	1449	00																																																																								
507-210	890.50071	2	B	Flocalc 1/2" W/ 330	83	lb			1.40	116	20																																																																								
509-406	890.50812	2	B	Calcium Chloride 2" W/ 330	6	sk			28.25	169	50																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 15%;">Returned Mileage Charge</td> <td style="width: 20%;">TOTAL WEIGHT</td> <td style="width: 15%;">LOADED MILES</td> <td style="width: 15%;">TON MILES</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>SERVICE CHARGE ON MATERIALS RETURNED</td> <td></td> <td></td> <td></td> <td>CU. FEET</td> <td></td> <td></td> <td></td> </tr> <tr> <td>500-207</td> <td></td> <td>2</td> <td>B</td> <td>SERVICE CHARGE</td> <td></td> <td></td> <td></td> <td>348</td> <td>1.25</td> <td>435</td> <td>00</td> </tr> <tr> <td>550-306</td> <td></td> <td>2</td> <td>B</td> <td>Mileage Charge</td> <td>31,262</td> <td>10</td> <td></td> <td>156.31</td> <td>1.85</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>TOTAL WEIGHT</td> <td></td> <td></td> <td></td> <td>TON MILES</td> <td></td> <td></td> <td></td> </tr> </table>																Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES																					SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET				500-207		2	B	SERVICE CHARGE				348	1.25	435	00	550-306		2	B	Mileage Charge	31,262	10		156.31	1.85							TOTAL WEIGHT				TON MILES			
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No. B 123196		CARRY FORWARD TO INVOICE						SUB-TOTAL		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;"> JUL 9 1993 <small>RECEIVED CORPORATION</small> </td> </tr> </table>			JUL 9 1993 <small>RECEIVED CORPORATION</small>																																																																						
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JOB SUMMARY

HALLIBURTON DIVISION 275 + 115A1
 HALLIBURTON LOCATION Liberal

ORIGINAL
 BILLED ON TICKET NO. _____

WELL DATA

FIELD _____ SEC. 22 TWP. 27S RNG. 34W COUNTY Stanton STATE K

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	<u>25</u>	<u>27</u>	<u>37</u>	<u>25</u>	<u>675</u>	
LINER						
TUBING						
OPEN HOLE			<u>1271</u>	<u>25</u>	<u>170</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>1 1/2" x 3" x 10'</u>	<u>1</u>	<u>Halliburton</u>
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>2"</u>	<u>2</u>	<u>L</u>
BOTTOM PLUG		
TOP PLUG <u>2"</u>	<u>1</u>	<u>L</u>
HEAD		
PACKER		
OTHER <u>W 11 9</u>	<u>100</u>	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-9-93</u>	DATE <u>4-9-93</u>	DATE <u>4-9-93</u>	DATE <u>4-9-93</u>
TIME <u>15:00</u>	TIME <u>13:00</u>	TIME <u>14:15</u>	TIME <u>14:15</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>
<u>Frank</u>	<u>112</u>	<u>Liberal</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL-API _____
 PROP. TYPE _____ SIZE _____ LB _____
 PROP. TYPE _____ SIZE _____ LB _____
 ACID TYPE _____ GAL _____ % _____
 ACID TYPE _____ GAL _____ % _____
 ACID TYPE _____ GAL _____ % _____
 SURFACTANT TYPE _____ GAL _____ IN _____
 NE AGENT TYPE _____ GAL _____ IN _____
 FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN _____
 GELLING AGENT TYPE _____ GAL-LB _____ IN _____
 FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN _____
 BREAKER TYPE _____ GAL-LB _____ IN _____
 BLOCKING AGENT TYPE _____ GAL-LB _____ IN _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Liberal
 DESCRIPTION OF JOB Plumb & 1/2" casing pipe
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN
 CUSTOMER REPRESENTATIVE **X** Jack Tepper
 HALLIBURTON OPERATOR Tom Frank COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>10</u>	<u>Portland</u>		<u>110</u>	<u>110</u>	<u>2.5</u>	<u>110</u>
<u>2</u>	<u>10</u>	<u>Portland</u>		<u>110</u>	<u>110</u>	<u>2.5</u>	<u>110</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE Water
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 4.9
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL. 10
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 13 REASON _____

RECEIVED
 STATE CORPORATION COMMISSION
 JUL 11 - 9 1993
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER _____
 LEASE _____
 WELL NO. _____
 JOB TYPE _____
 DATE _____