

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 - 129-21165-0000

County Morton

SW - SW - NE - NE Sec. 27 Twp. 32 Rge. 40 East West

4030 Feet from S (circle one) Line of Section

1250 Feet from E (circle one) Line of Section

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

Lease Name Federal Land Bank G.U. B Well # 2H1

Field Name Hugoton

Producing Formation N/A

Elevation: Ground 3320' KB 3331'

Total Depth 631' PBSD

Amount of Surface Pipe Set and Cemented at 561 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 0 & A 6-3-93
(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. _____

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 PBSD
Commingled Docket No. _____
Dual Completion Docket No. _____
Other (SWD or Inj?) Docket No. _____

5/8/93 5/9/93 5/12/93
Spud Date Date Reached TD Completion Date

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-111 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 May 20, 1993

Subscribed and sworn to before me this 20 day of May, 1993

Notary Public Margaret M. Wood

Date Commission Expires December 26, 1994

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

Operator Name Amoco Production Company Lease Name Federal Land Bank G.U. B Well # 2HI
 County Morton
 Sec. 27 Twp. 32 Rge. 40 East West

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

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
List All E. Logs Run:				

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#	561'	Class C	690	
Production	7-7/8"	5-1/2"	15.5#	None			

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

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
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Disposition of Gas: Vented Sold Used on Lease

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

(If vented, submit ACO-18)

HALLIBURTON SERVICES JOB LOG

WELL NO. 2 HF LEASE Federal land Bank TICKET NO. 345530

CUSTOMER Cheyenne Dily PAGE NO. 1

JOB TYPE 8 1/2" Surface DATE 5-8-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	16:30							Called Out
	19:00							ON location, rig T.D. last circulation @ 330' ordered 400 sks Premium Plus w/2% C.C. on side, 100' 1" pipe T.I.H w/D.P. pump mud, NO circ. T.O.H w/D.P.
	21:30							Start casing run floating equat.
	01:00							Casing on bottom
	01:30							hookup iron Ca-Tek
	03:15							Start water ahead
	03:20							Caught pressure
	02:25	5.5	8					Start lead Cement
	03:27	5.5	27			150		Start tail Cement
	03:35	5.5	51			150		Shutdown drop plug
	03:45	5.5	35			150		Start water displacement
	03:52							Slowed rate
	03:55	6	23			100		plug landed ✓
	03:59	3	10			100		pressured up, shut down, shut in head
	04:04					300		released pressure, shut
	04:05							No circulation thru Job, wait 2 hr
	04:15							& Tap out
	06:10	2.5	47					Start Cement in cellar (Tap out)
	06:28							Shut down, check hole (approx 40' down)
	06:40	2.5	10					Start Cement in cellar
	06:45							Shut down, check cellar (approx 40' down)
	07:00							Wash up truck wait 2hr.
	09:00	2.5	35					Start Cement in cellar w/cotton seed hulls
	09:14							Shut down, check cellar (approx 20' down)
	09:30							Order more Cement
	11:30							Cement on location
	11:45	2.5	10					Start cement in cellar w/1" pipe (20')
	11:49							Cement circulated to surface (3600)
	11:50							Shut down
	12:00							Job Complete
								Thanks for calling
								H. Halliburton
								Richard & Lloyd

ORIGINAL



TICKET

ORIGINAL NO. 345530-9

Duncan, Oklahoma 73538
A Division of Halliburton Company

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME 2 HI Federal Land Bank		COUNTY Morton	STATE KS	CITY / OFFSHORE LOCATION	DATE 5-8-93
CHARGE TO Cheyenne Drilling		OWNER Amoco	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 Cheyenne Drilling # 2	LOCATION 1 Liberal		CODE 025540
CITY, STATE, ZIP		SHIPPED VIA Co Tak	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION 2 Hugoton	
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Location	LOCATION 3	
TYPE AND PURPOSE OF JOB 010		ORDER NO. B-171597	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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L D C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117				MILEAGE 8408	1	UN	10	mi	2.75	27	50
001-016				Pump Charge	8	hr	564	ft		735	00
030-016				Swiper Top Plug	1	ea	8 7/8	in		120	00
597	825.1268			Alum. Baffle	1	ea	8 7/8	in		45	00
40	807.93059			Centralizers	3	ea	8 7/8	in	72	216	00
350	890.10802			Weld A	1	ea	1	lb		.14	50
001-018				Additional hours	8	hr			195.00	1560	00
										2718	00
AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-171597										8240	59

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Jack Pepper
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.

Richard L. Lough
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

SUB TOTAL **10,958.59**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

FIELD OFFICE

BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND
TICKET NO. 345530

ORIGINAL

DATE 05-08-93	CUSTOMER ORDER NO.	WELL NO. AND FARM G,U. "B" Federal Land Bank #2HI	COUNTY Morton	STATE Kansas
CHARGE TO Cheyenne		OWNER Amoco Production	CONTRACTOR Cheyenne #2	
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO NW/ Rolla, Ks	TRUCK NO. 3525-75817	RECEIVED BY <i>R. T...</i>

No. **B 171597**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT																																																																									
		L	D		QTY.	MEAS.	QTY.	MEAS.																																																																											
504-050	515.00265	2	B	Premium Plus Cement	600	sk			8.95	5370	00																																																																								
504-120		2	B	Halliburton Light Cement	140	sk			8.05	1127	00																																																																								
507-210	890.50071	2	B	Flocele 1/2" W/ 290	73	lb			1.40	102	20																																																																								
509-406	890.50812	2	B	Calcium Chloride 2" W/ 290	14	sk			28.25	395	50																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></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>Returned Mileage Charge</td> <td></td> <td>TOTAL WEIGHT</td> <td></td> <td>LOADED MILES</td> <td></td> <td>TON MILES</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></td> <td>2 B</td> <td>SERVICE CHARGE</td> <td></td> <td></td> <td></td> <td>CU. FEET</td> <td>257</td> <td>1.25</td> <td>446 25</td> </tr> <tr> <td>500-306</td> <td></td> <td></td> <td>2 B</td> <td>Mileage Charge</td> <td>70 504</td> <td>10</td> <td></td> <td>TON MILES</td> <td>35252</td> <td>.85</td> <td>299 64</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>TOTAL WEIGHT</td> <td></td> <td>LOADED MILES</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				CU. FEET	257	1.25	446 25	500-306			2 B	Mileage Charge	70 504	10		TON MILES	35252	.85	299 64					TOTAL WEIGHT		LOADED MILES		TON MILES			
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No. B 171597		CARRY FORWARD TO INVOICE						SUB-TOTAL		8240 59																																																																									

CUSTOMER Cheyenne Dr. Co.
 LEASE Federal Land Bank
 WELL NO. 071
 JOB TYPE 8 1/2" Surface
 DATE 5-8-93

WELL DATA

FIELD N. Rolla SEC. 27 TWP. 32s RNG. 40w COUNTY Morton STATE KS

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>24</u>	<u>8 7/8</u>	<u>K.B</u>	<u>558</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>K.B</u>	<u>558</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 _____

JOB DATA

TYPE AND SIZE	QTY.	MAKE
FLANGE COLLAR <u>Alum Bc H/c</u>	<u>1</u>	<u>H</u>
FLOAT SHOE		<u>0</u>
GUIDE SHOE		<u>W</u>
CENTRALIZERS	<u>3</u>	<u>C</u>
BOTTOM PLUG		<u>H</u> <u>0</u>
TOP PLUG	<u>1</u>	<u>0</u>
HEAD	<u>1</u>	<u>W</u>
PACKER		<u>C</u>
OTHER <u>Weld A</u>	<u>1</u>	<u>0</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-8-93</u>	DATE <u>5-8-93</u>	DATE <u>5-9-93</u>	DATE <u>5-9-93</u>
TIME <u>06:30</u>	TIME <u>19:00</u>	TIME <u>01:30</u>	TIME <u>12:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Taylor</u>	<u>D4033</u>	<u>Liberal</u>
<u>L. Williams</u>	<u>52938</u>	<u>Liberal</u>
<u>K. Myers</u>	<u>8408</u>	<u>Liberal</u>
<u>P. Chao</u>	<u>3625</u>	<u>Hugoton</u>
	<u>59018</u>	<u>75817</u>
	<u>B4372</u>	<u>6611</u>
		<u>Hugoto</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API
 DISPL. FLUID _____ DENISTY _____ 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 _____

DEPARTMENT Cement
 DESCRIPTION OF JOB 8 1/2" Surface

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Jack Pepper
 HALLIBURTON OPERATOR R Taylor 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>HLC</u>	<u>C</u>	<u>B</u>	<u>2% C.C., 1/4" Plsk Flocc</u>	<u>2.06</u>	<u>12.3</u>
<u>2</u>	<u>150</u>	<u>Premium Plus</u>	<u>C</u>	<u>B</u>	<u>2% C.C., 1/4" Plsk Flocc</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: 835 BBL-GAL.
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 86
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. 119.5
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS See Job Log
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 3631 REASON Shot Joint



FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL ATTACH TO INVOICE & TICKET NO. 345530

DISTRICT Liberal

DATE 5-8-93

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

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

WELL NO. 2 HF LEASE Federal Land Bank SEC. 27 TWP. 32s RANGE 40W

FIELD N. Rolla COUNTY Morton STATE Ks OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 558' MUD WEIGHT _____
BORE HOLE 12 1/4"
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>24</u>	<u>8 5/8</u>	<u>K.B.</u>	<u>564</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>K.B.</u>	<u>558</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Cement 8 5/8" surface casing w/ 140 sks HLC "c" w/ 2% C.C. & 1/4 #/sk floccle & 150 sks Premium Plus w/ 2% C.C. & 1/4 #/sk floccle displace Swiper Top Plug to Alum. Bottle w/ 33.5 ^{66'} Displacemt water.

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

SIGNED John Pepper CUSTOMER

DATE 5-8-93

TIME 2:00 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.

FIELD OFFICE

HALLIBURTON SERVICES
JOB LOG

FORM 2013 R-2

①

WELL NO. 2 HI LEASE Federal Land Bank TICKET NO. 345435
 CUSTOMER Cheyenne Drilg PAGE NO. _____
 JOB TYPE Re-cement DATE 5-10-93

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0320							called out ORIGINAL
	0300							on location R's waiting
	0415	2					50	mix cement
	0423	0	0				0	Drop Plug
	0424	1	10				0	start DISP
	0444	1	24				0	24 BBL DISP 1BPM Vac
	0447		255				0	shut in 3min still on vac
	0500	1/2	30				0	shut valve still on 1/2 RPM vac.
	0530	1/4	1				0	DISP 1BBL 31 Total. Not on vac.
	0535							shut in Head WOC To set Approx 70ft cement in csg.
								Job complete Thank you for calling Halliburton Services
								Bill Joubert + Crew.

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

ORIGINAL

ATTACH TO
 INVOICE & TICKET NO.

345455

DISTRICT Liberal

DATE 5-10-93

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 Federal Land Bank Gu "B" SEC. 27 TWP. 32S RANGE 40W

FIELD _____ COUNTY Morton STATE Kansas OWNED BY Amoco Prod.

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	U	24	8 5/8	KR	561	
LINER						
TUBING						
OPEN HOLE			7 7/8	KR	631	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Re cement 8 5/8 SURFACE CSG WITH 100 SLS Thixotropic - 10# cal seal 4% Gel - 2% cc

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

SIGNED Rubert CUSTOMER
 DATE 4-10-93
 TIME 0330 A.M. P.M.



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Eastern OKC
Liberal

ORIGINAL 345455

BILLED ON TICKET NO.

CUSTOMER: Cheyenne Drilling
LEASE: Federal Land bank GUR
WELL NO: 2 HI
JOB TYPE: Recement
DATE: 5-10-93

WELL DATA

FIELD _____ SEC. 27 TWP. 32S RNC. Howe COUNTY Morton STATE KC

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	24	8 5/8	KR	361	
LINER						
TUBING "						
OPEN HOLE			7 7/8	KR	631	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 _____

JOB DATA

TOOLS AND ACCESSORIES			CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TYPE AND SIZE	QTY.	MAKE	DATE	DATE	DATE	DATE
FLOAT COLLAR			5-9-93	5-10-93	5-10-93	5-10-93
TIME			2320	0300	0400	0630

TYPE AND SIZE	QTY.	MAKE
TOP PLUG	5W Rubber	1 Howco

MATERIALS

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

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
B. Sauber	64761	Liberal
R. Taylor	04033	Liberal
D. Pierce	B 7106	Hugoton

DEPARTMENT Cement
 DESCRIPTION OF JOB Recement 8 5/8 surface CSG
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Richard Ripers
 HALLIBURTON OPERATOR Bill Sauber COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	100	Thixotropic	H	B	10# calsol - 4% Cal 2% cc	1.67	141

PRESSURES IN PSI	SUMMARY	VOLUMES
CIRCULATING _____ DISPLACEMENT _____	PRESLUSH: BBL-GAL. _____ TYPE _____	
BREAKDOWN _____ MAXIMUM _____	LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____	
AVERAGE _____ FRACTURE GRADIENT _____	TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. _____	
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____	CEMENT SLURRY: BBL-GAL. _____	
ORDERED _____ AVAILABLE _____ USED _____	TOTAL VOLUME: BBL-GAL. _____	
TREATING _____ DISPL. _____ OVERALL _____	REMARKS <u>Left approx. 70 Ft cement in CSG</u>	
FEET _____ REASON _____		



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

HALLIBURTON SERVICES
Duncan, Oklahoma 73556
A Division of Halliburton Company

FOR INVOICE AND TICKET NO. 345455

ORIGINAL

DATE 05-10-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Federal Land Bank 62HI	COUNTY Morton	STATE Kansas
CHARGE TO Cheyenne Drla.		OWNER Amoco Production	CONTRACTOR Cheyenne Rig #6	
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO N/ Rolla, Ks	TRUCK NO. 3626-4515	RECEIVED BY
No. B 171599				

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-043	516.00272	2	B	Premium Cement	100	sk			8.69	869	00
508-127	890.50131	2	B	EA-2 10#W/ 100	10	sk			20.70	207	00
507-277	516.00259	2	B	Halliburton Gel Added 4#	4	sk			15.50	62	00
509-406	890.50812	2	B	Calcium Chloride 2#W/ 100	2	sk			28.25	56	50

			Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES			
			SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET		
500-207			SERVICE CHARGE				125	1.25	
							CU. FEET		
500-305		2	Mileage Charge	10,940	10		54.705	.85	
				TOTAL WEIGHT	LOADED MILES	TON MILES			
No. B 171599							CARRY FORWARD TO INVOICE	SUB-TOTAL	1415 75

JOB LOG

FORM 2013 R 2

2

WELL NO. 2 H LEASE Federal land Bank TICKET NO. 345456

CUSTOMER Cheyenne Drilling PAGE NO. _____

JOB TYPE Re cement DATE 5-10-93

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							called out ORIGINAL
	1715							ON LOC.
	1730							Safety meetings
6 P.M.	1800		29.7					mix cement 100 SX. THIXOTROPIC
	1812							DROP PLUG
	1813	1/2	1					DISP 1 BBL Plug at 171 feet
	1824	1/2	2					DISP 1 BBL Plug at 204
	1830	1/2	3					DISP 1 BBL Plug at 225
	1832	1/2	5					DISP 2 BBL Plug at 240
	1834	1/2	7					DISP 2 BBL Plug at 260
	1836	1/2	9					DISP 2 BBL Plug at 300
	1838	1/2	11					DISP 2 BBL Plug at 330
	1842	1/2	13					DISP 2 BBL Plug at 350
	1845	1/2	15					DISP 2 BBL Plug at 370
	1846	1/2	17					DISP 2 BBL Plug at 392
	1847	1/2	19					DISP 2 BBL Plug at 418
	1852	1/2	21					DISP 2 BBL Plug at 466
	1857	1/2	28.5					DISP 7.5 BBL Plug at 500
	1858							Stage
7:15 P.M.	1917							Tag @ Plug with wire line 508 Feet
	1935							" " " " 508 Feet

FIELD **Hugoton** SEC. **27** TWP. **32S** RNG. **140W** COUNTY **Morton** STATE **KS**

WELL DATA

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	24	8 5/8	KB	551	
LINER						
TUBING						
OPEN HOLE			7 7/8	KB	1031	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 _____

JOB DATA

TOOLS AND ACCESSORIES

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

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 5-10-93	DATE 5-10-93	DATE 5-10-93	DATE
TIME 1500	TIME 1715	TIME 1800	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
B. Sauber 104781	PU 40048 RCM	Liberal
J. Yocum D0547	52823-73374 Bulk	Liberal
T. Davis F4550	50727-5302	Hugoton

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. _____
 PERFFAC BALLS TYPE _____ QTY. _____
 OTHER _____

DEPARTMENT **Cement**
 DESCRIPTION OF JOB **Re cement 8 5/8 surface + CSG**

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X Josh Pepper**
 HALLIBURTON OPERATOR **Bill Sauber** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	100	Thixotropic	H	B	10# Calseal 4% Gel 2% cc	1167	14.1

PRESSURES IN PSI **SUMMARY** **VOLUMES**

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. **285**
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. **29.7**
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ **REMARKS**
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET **51** REASON **Requested**

CUSTOMER **Cheyenne DR19**
 LEASE **Federal Land Bank GUB**
 WELL NO. **2 HI**
 JOB TYPE **Re Cement**
 DATE **5-10-93**

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

ORIGINAL

ATTACH TO INVOICE & TICKET NO. 345456

DISTRICT Liberal KS

DATE 5-10-93

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

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

WELL NO. 2 HI LEASE Federal Land Bank Co "D" SEC. 27 TWP. 32 S RANGE 40 W

FIELD Hugoton COUNTY Morton STATE Kansas 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 ₂ O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF							
CASING		<u>4</u>	<u>34</u>	<u>5 7/8</u>	<u>KB</u>	<u>551</u>	
LINER							
TUBING							
OPEN HOLE				<u>7 7/8</u>	<u>KB</u>	<u>631</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Re cement w/ 100 Sks Thixotropic - 10# cal seal 1 1/2% Gel 2% C.C.
DISP TO 500 FT - Tag with wire line

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 Bob Lepper CUSTOMER

DATE 5-10-93

TIME 1800 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



BULK MATERIALS DELIVERY AND

TICKET CONTINUATION ORIGINAL

FOR INVOICE AND
TICKET NO.

345456

DATE 05-10-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Federal Land Bank #2HI	COUNTY Morton	STATE Kansas
CHARGE TO Cheyenne Drlg.		OWNER Amoco Production	CONTRACTOR Rig #2 No. B 171602	
MAILING ADDRESS		DELIVERED FROM Hugoton, ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO N/Rolla, Ks	TRUCK NO. 50737-5302	RECEIVED BY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT																																																																											
		L	D		QTY.	MEAS.	QTY.	MEAS.																																																																													
504-043	516.00272	2	B	Premium Cement	100	sk			8.69	869	00																																																																										
508-127	390.50131	2	B	SA-2 10W/ 100	10	sk			20.70	207	00																																																																										
507-277	516.00259	2	B	Halliburton Gel Added 4W/ 100	4				15.50	62	00																																																																										
509-406	890.50812	2	B	Calcium Chloride 2W/ 100	2				28.25	56	50																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 10%; text-align: center;">Returned Mileage Charge</td> <td style="width: 20%; text-align: center;">TOTAL WEIGHT</td> <td style="width: 10%; text-align: center;">LOADED MILES</td> <td style="width: 10%; text-align: center;">TON MILES</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="7">SERVICE CHARGE ON MATERIALS RETURNED</td> <td style="text-align: center;">CU. FEET</td> <td></td> </tr> <tr> <td>500-207</td> <td></td> <td>2 B</td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">125</td> <td style="text-align: center;">1.25</td> <td style="text-align: center;">156</td> <td style="text-align: center;">25</td> </tr> <tr> <td colspan="12">SERVICE CHARGE</td> </tr> <tr> <td>500-306</td> <td></td> <td>2 B</td> <td style="text-align: center;">Mileage Charge</td> <td style="text-align: center;">10,940</td> <td style="text-align: center;">10</td> <td style="text-align: center;">54.705</td> <td></td> <td style="text-align: center;">.85</td> <td style="text-align: center;">65</td> <td style="text-align: center;">00</td> </tr> <tr> <td colspan="7"></td> <td style="text-align: center;">CU. FEET</td> <td></td> <td style="text-align: center;">TON MILES</td> <td></td> </tr> <tr> <td colspan="7"></td> <td style="text-align: center;">TOTAL WEIGHT</td> <td style="text-align: center;">LOADED MILES</td> <td style="text-align: center;">SUB-TOTAL</td> <td colspan="2"></td> </tr> </table>														Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES			SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET		500-207		2 B					125	1.25	156	25	SERVICE CHARGE												500-306		2 B	Mileage Charge	10,940	10	54.705		.85	65	00								CU. FEET		TON MILES									TOTAL WEIGHT	LOADED MILES	SUB-TOTAL		
		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES																																																																																
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							CU. FEET		TON MILES																																																																												
							TOTAL WEIGHT	LOADED MILES	SUB-TOTAL																																																																												
No. B 171602		CARRY FORWARD TO INVOICE							SUB-TOTAL	1415 75																																																																											

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

ORIGINAL

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 345457

DISTRICT Liberal KS,

DATE 5-11-93

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. 2HI LEASE Federal Land Bank G-4 "B" SEC. 27 TWP. 32 S RANGE 40W

FIELD Hugoton COUNTY Morton 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.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL BPD, H ₂ O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Spot 50stk Plug 50stk Perm Plug 10 1/2" EA-2-2%CC

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. 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 damage. 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.
- 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 5-11-93

TIME 1:00 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 Eastern OKC
HALLIBURTON LOCATION Liberal KS

BILLED ON TICKET NO. 345457

CUSTOMER Chyron Drilling
LEASE Eastern Oklahoma Corp WELL NO. 2 NI
JOB TYPE lost circ plug DATE 5-11-93

WELL DATA

FIELD Hugoton SEC. 27 TWP. 32S RNG. 110W COUNTY McPherson STATE KS

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>25</u>	<u>8 7/8</u>	<u>KB</u>	<u>561</u>	
LINER						
TUBING						
OPEN HOLE		<u>16.6</u>	<u>4.5</u>	<u>KB</u>	<u>530</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 _____

JOB DATA

TOOLS AND ACCESSORIES			JOB DATA			
TYPE AND SIZE	QTY.	MAKE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
FLOAT COLLAR			DATE <u>5-11-93</u>	DATE <u>5-11-93</u>	DATE <u>5-11-93</u>	DATE <u>5-11-93</u>
FLOAT SHOE			TIME <u>1650</u>	TIME <u>1730</u>	TIME <u>1300</u>	TIME <u>1400</u>
GUIDE SHOE						
CENTRALIZERS						
BOTTOM PLUG						
TOP PLUG						
HEAD						
PACKER						
OTHER						

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B. Souder 64781</u>	<u>PM</u>	<u>Liberal</u>
<u>J. Yacum DASH</u>	<u>RCM</u>	<u>Liberal</u>
<u>S. Tate EC568</u>	<u>BULK</u>	<u>Hugoton</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.
 PERFFAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Central
 DESCRIPTION OF JOB 51st 30sec lost circulation plug

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X** Jack Pepper

HALLIBURTON OPERATOR Bill Huber COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>50</u>	<u>PUMPHUS</u>		<u>B</u>	<u>10% LEAD - 2% CC.</u>	<u>1.33</u>	<u>14.5</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 4.6
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 10
 ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL. _____
 AVERAGE RATES IN BPM _____ REMARKS _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 34547

DATE 05-11-93		CUSTOMER ORDER NO.		WELL NO. AND FARM Federal Land Bank 2HI		COUNTY Morton		ORIGINAL		STATE Kansas	
CHARGE TO Cheyenne Drlg.				OWNER Amoco Production		CONTRACTOR Rig #2			No. B 171605		
MAILING ADDRESS				DELIVERED FROM Hugoton, Ks		LOCATION CODE 025535		PREPARED BY Mike Gilbert			
CITY & STATE				DELIVERED TO N/Rolla, Ks		TRUCK NO. 51924-6610		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	50	sk			8.95	447	50		
508-127	890.50131	2	B	EA-2 10W/ 50	5	sk			20.70	103	50		
509-406	890.50812	2	B	Calcium Chloride 2W/ 50	1	sk			28.25	28	25		
					Returned Mileage Charge		TOTAL WEIGHT		LOADED MILES		TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET			
500-207		2	B	SERVICE CHARGE				59	1.25	73	75		
500-306		2	B	Mileage Charge	5280	10	20.40		.85	65	00		
					TOTAL WEIGHT		LOADED MILES		TON MILES				
No. B 171605				CARRY FORWARD TO INVOICE					SUB-TOTAL		718 <u>00</u>		

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>Federal Land Bank Galt #1 HI</i>		COUNTY <i>Morton</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>5-11-93</i>
CHARGE TO <i>Cheyenne Drilg</i>		OWNER <i>Amerco 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>Box 916</i>		CONTRACTOR <i>Cheyenne Drilg</i>		LOCATION 1 <i>Liberal</i>	CODE <i>25540</i>
CITY, STATE, ZIP <i>Garden City KS 67846</i>		SHIPPED VIA <i>COTK</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION 2 <i>Huyaton</i>	CODE <i>25535</i>
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>Location</i>	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB <i>140-1st Circ Plus</i>		ORDER NO. B-17165	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>000-117</i>				<i>MILEAGE</i>	<i>110</i>	<i>mi</i>			<i>2.75</i>	<i>27</i>	<i>50</i>
<i>009-019</i>				<i>Pump Charge</i>	<i>530</i>	<i>act</i>				<i>745</i>	<i>00</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-17165**

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 APPROVAL

Bill [Signature]
HALLIBURTON OPERATOR

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

718 00
1490.50

EXTRA COPY

4 JOB LOG

WELL NO. 2 HE LEASE Federal Land Bank TICKET NO. 345556
 CUSTOMER Cherokee Ditch PAGE NO. 1
 JOB TYPE PTA DATE 5-12-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							Time Collected ORIGINAL
	NOW							Time Ready
	0100							Time outdc R ₈ Take BOP OFF
	0145							R ₈ R ₈ DP in Hole
	0230							1 ^{plg} Hookup to DP at 50 FT w 50 ^{sk} 6 ^{sk} Re 6 ^{sk}
	0235	4	15					Start M ₁ Cement
	0239		3.5					Start Displacement w ^{plg} 4 ^{sk} 1/2 ^{sk} lines
	0240							Start Pump Back loss
	0242							R ₈ R ₈ DP out of Hole
								8 ^{sk} by Down R ₈ + Mass Hole Down
								Land The Hole
	0515							2 ^{plg} R ₈ DP To 140 FT
	0520	1 1/2						Start M ₁ Cement
	0525		2.5					Start Pump Circulate Cement to Col.
	0530							3/4 ^{plg} Cement 15 ^{sk} in Bot Hole
	0535		4.5					10 ^{sk} in Mass Hole
	0545		3.5					Finish Job.
								Thank For Calling Halliburton Services Glover & Crew

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 24 1993
 CONSERVATION DIVISION
 Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Eastwood
Liberal K

ORIGINAL
BILLED ON TICKET NO. 45556

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Monte 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			See			
LINER				Liberal		
TUBING					broken	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

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

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-11</u>	DATE <u>5-12</u>	DATE <u>5-12</u>	DATE <u>5-12</u>
TIME <u>2300</u>	TIME <u>0100</u>	TIME <u>0230</u>	TIME <u>0515</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Carr</u>	<u>140075</u>	<u>Liberal K</u>
<u>D. Paul</u>	<u>59179</u>	<u>"</u>
<u>V. 5611</u>	<u>52283</u>	<u>"</u>
<u>T. Dan</u>	<u>75374</u>	<u>"</u>
<u>F. 4550</u>	<u>50237</u>	<u>Harston</u>
	<u>7530</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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB PTA

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Joah Pepper

HALLIBURTON OPERATOR D. Carr COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>85</u>	<u>LS 150</u>		<u>6% Gd</u>		<u>1.64</u>	<u>13.1</u>

RECEIVED
MAY 21 1993
CONSERVATION DIVISION
Wichita, Kansas

SUMMARY

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 _____ REASON _____

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 3.4

CEMENT SLURRY: BBL.-GAL. 25.58

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER _____

LEASE Eastwood 1 & 2 Row

WELL NO. 7-NIT

JOB TYPE PTA

DATE 5-12-93



HALLIBURTON SERVICES
Duncan, Oklahoma 73536

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

ORIGINAL ATTACH TO INVOICE & TICKET NO. 345556

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Liberal, Ks

DATE 5-12-93

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

WELL NO. 2 HI LEASE Federal Land Bank SEC. 27 TWP. 32 S RANGE 140 W
FIELD _____ COUNTY Montez 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.
FORMATION THICKNESS _____ FROM _____ TO _____		<u>2.4</u>	<u>2 1/2</u>	<u>GL</u>	<u>561</u>	
PACKER: TYPE _____ SET AT _____						
TOTAL DEPTH _____ MUD WEIGHT _____						
BORE HOLE _____				<u>561</u>	<u>631</u>	SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF _____						
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF _____						

PREVIOUS TREATMENT: DATE _____ TYPE DP MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
PTA 4 1/2" 85 SE 6 3/8" Be 6 9/16" GL Phys ST 500 FT 50 SE
0-40 FT 10 SE
RT HL 15 SE
Wash HL 10 SE

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. 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 damage. 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.
- c) 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.
- d) 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.
- e) 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.
- f) 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.
- g) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- h) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- i) 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 Jack Tepper CUSTOMER

DATE _____

TIME _____ 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



HALLIBURTON SERVICES

Duncan, Oklahoma 73568

A Division of Halliburton Company

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 345566

ORIGINAL

DATE 05-11-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Federal Land Bank #2H1	COUNTY Morton	STATE Kansas
CHARGE TO Cheyenne Drlg.		OWNER Sanco Production	CONTRACTOR Rig #2	No. B 171607
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025555	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO N/Rolla, Ks	TRUCK NO. 50737-75505	RECEIVED BY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT			
		L	D		QTY.	MEAS.	QTY.	MEAS.					
504-118		2	B	Halliburton Light Cement	85	sk			7.89	670	65		
504-043	516.00272												
505-105	516.00296												
506-121	516.00259												
					Returned Mileage Charge		TOTAL WEIGHT		LOADED MILES		TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED		CU. FEET						
500-207		2	B	SERVICE CHARGE			CU. FEET	65	1.25	106	25		
500-306		2	B	Mileage Charge	7836		10		39.19				
					TOTAL WEIGHT		LOADED MILES		TON MILES				
No. B 171607					CARRY FORWARD TO INVOICE					SUB-TOTAL		841 90	

Duncan, Oklahoma 73530

A Division of Halliburton Company

TICKET

ORIGINAL NO. 345556-2

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>2 MI Federal Land Bank</i>		COUNTY <i>Alfalfa</i>	STATE <i>Ks</i>	CITY / OFFSHORE LOCATION	DATE <i>7-17-93</i>
CHARGE TO <i>Chapman Dr. 2#</i>		OWNER <i>Amador 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>Chapman Dr. 2#</i>		CONTRACTOR <i>Chapman Dr. 2#</i>	LOCATION <i>Liberal, Ks</i>	CODE <i>75540</i>	
CITY, STATE, ZIP		SHIPPED VIA <i>None</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <i>Liberal, Ks</i>	CODE <i>25535</i>
WELL TYPE	WELL CATEGORY	WELL PERMIT NO. <i>B-171607</i>	DELIVERED TO <i>Loc</i>	LOCATION <i>3</i>	CODE
TYPE AND PURPOSE OF JOB <i>115 DTA</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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
<i>600-117</i>				<i>MILEAGE</i>	<i>10</i>	<i>MI</i>			<i>2.75</i>	<i>27</i>	<i>50</i>
<i>609-019</i>				<i>Permp charge</i>	<i>500</i>	<i>FT</i>				<i>565</i>	<i>50</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- *171607*

841 90
Fuel Total
SUB TOTAL *1434 40*
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

W. H. [Signature]
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

HALLIBURTON APPROVAL

EXTRA COPY

JOB LOG

WELL NO. 14 LEASE Federal Land Bank TRACT NO. 15556
 CUSTOMER Chapman D. PAGE NO. 1
 FORM 2013 R-2 JOB TYPE DTA DATE 5-12-93

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							Turn Collected ORIGINAL
	NOW							Turn Kelly
	0100							Turn outside Rg Take BOP OFF
	0145							Rg Rm DP: Hole
	0230							1 Plug Haul to DP at 50 FT w 50 ^{SL} 6 1/2" Bore
	0235	4	1					Start M/C Cement
	0239		3.5					Start Displacement w 1 1/2" tubes
	0240							Stop Pump Break Loss
	0242							12 RLL DP out of Hole
								8 Lay Down Kelly + Raise the Drum
								Level the Hole
	0515							2 ^{1/2} Rm DP To 140 FT
	0520	1 1/2						Start M/C Cement
	0525		2.5					Stop Pump Create Vent to C/L.
	0530							3/4" Cement 15 ^{SK} in RT Hole
	0535		4.5					10 ^{SK} in M/C Hole
	0545		3.5					Finish Job.

Thanks For Calling
 W. H. H. S. J. T. E. R. U.
 SERVICES
 O. S. V. E. R. T.
 C. R. O. W.

Federal Land Bank
 GU 'B' #2 HI