

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

API No. 15 - 129-21179-0600 ORIGINAL
County Morton
NE - NE - SW - SW Sec. 30 Twp. 32 Rge. 39 X East West
1250 Feet from (S)N (circle one) Line of Section
4030 Feet from (E)W (circle one) Line of Section

Operator: License # 5952
Name: Amoco Production Company
Address P.O. Box 800,
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 SLOW Temp.Abd.
 Gas ENHR SIGW
 Dry Other (Core,WSW, Expl., Cathodic, etc.)

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

6/2/93 6/4/93 7/19/93
Spud Date Date Reached TD Completion Date

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

Lease Name Santa Fe Land G.U. A Well # 3HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3183' KB 3194'

Total Depth 2674' PSTD 2626'

Amount of Surface Pipe Set and Cemented at 609 Feet

Multipple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 82 11-2-93
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid Volume 2140 bbls

Dewatering method used dried and filled

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S.Rng. _____ EW

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months.). One copy of all wireline logs and geologist well report shall be attached with this form. ALL 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 Business Analyst Date 9/28/93
Subscribed and sworn to before me this 28 day of September, 1993
Notary Public Natalie M. Stork
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
KGS STATE CORPORATION COMMISSION
Plug/Rep Other
10-01-93 OCT 01 1993
Wichita, Kansas

Operator Name Amoco Production Company

Lease Name Santa Fe Land G.U. A Well # 3HI

Sec. 30 Twp. 32 Rge. 39 East West

County Morton

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

Drill Stem Tests Taken (Attach Additional Sheets.) Yes No

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E. Logs Run:

CALIPER **PROLOG**
COMPENSATED DENSITY
SPECTRALOG
DUAL INDUCTION

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Herington	2334'	
Krider	2356'	
Winfield	2398'	
Towanda	2482'	
Ft. Riley	2538'	
Council Grove	2642'	

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#	609'	Class C	320	
Production	7-7/8"	5-1/2"	15.5#	2674'	Class C	500	

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	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
4	2417-2437'; 2482-2520'; 2540-2566'; 2334-2338'; 2358-2378'; 2399-2437'	Frac with 245,180# 12/20 Brady sand and 63,148 gal. 30# cross-link gel	2334-2566'

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First Resumed Production, SWD or Inj	Producing Method	<input checked="" type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls.	Gas 600 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

METHOD OF COMPLETION

Production Interval 2334-2566'

(If vented, submit ACO-18)

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
SANTA FE LAND GU "A" NO. 3 H1
SECTION 30-T32S-R39W
MORTON COUNTY, KANSAS
API # 15-129-21179
COMMENCED: 06-02-93
COMPLETED: 06-05-93

SURFACE CASING: 600' OF 8 5/8"
OMTD W/170 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- 600
RED BED, SAND, & ANHYDRITE	600-1320
RED BED	1320-1800
RED BED & SHALE	1800-2320
LIME & SHALE	2320-2674 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

STATE OF KANSAS :ss:

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

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

Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC

RECEIVED
STATE CORPORATION COMMISSION
OCT 01 1993
CONSERVATION DIVISION
Wichita, Kansas

HALLIBURTON SERVICES
JOB LOG

WELL NO. SHI LEASE Santa Fe land A TICKET NO. 345202
 CUSTOMER Cheyenne Drly PAGE NO. 1
 JOB TYPE 5/2" Prod DATE 6-5-93

FORM 2013 R-2

CHARI NO	TIME	RATE (BPM)	VOL LIME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:00							Called Out
	12:30							ON location, rig TD & circulating
	15:30							Start casing
	16:00							Safety meeting
	16:45							Casing on bottom, drop ball
	16:45							hookup iron, rig circulating
	17:00							hookup iron, Co Trk.
	17:05	6	128				200	Start lead cement, 20% waterhead
	17:30	6	35				200	Start Tail Cement
	17:35							Shut down, drop plug
	17:38							Wash pumps & lines
	17:41	6	35				150	Start water displacement
	17:47	6	125				300	Cement circulated to surface
	17:50	3	10				550	Slowed rate
	17:54						650	plug landed
	17:54						1200	pressured up
	17:55							released pressure, float ball
	18:00							Job Complete
								Slurry Circulated = 22.5 BBLs ±
								Plug landing PSI = 650 #
								Average Rate { Lead Cmt = 6 B.P.M. Tail Cmt = 6 B.P.M. Displ = 5.5 B.P.M. Overall = 5.25 B.P.M.
								Average PSI { Lead Cmt = 200 # Tail Cmt = 200 # Displ = 250 #
								Thanks for Calling Halliburton Richard

RECEIVED
STATE CORPORATION COMMISSION
OCT 01 1993
CONSERVATION DIVISION
Wichita, Kansas

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

ORIGINAL

ATTACH TO INVOICE & TICKET NO. 345702

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Liberal DATE 6-5-93

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. A 311E LEASE Santa Fe land G.O. SEC. 30 TWP. 30 RANGE 39W
FIELD N Ralla 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 <u>2674</u>	MUD WEIGHT						
BORE HOLE <u>7 7/8"</u>							
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 _____

Cement 56' Production casing w/ 350 sks HLC w/ 14 1/2" Flare & 150 sks Premium Plus w/ 14 1/2" Flare, displace Super Top Plug to insert slot w/ 625 bbl fresh water

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.
- 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 FOR THE CUSTOMER.

SIGNED Yamasa Lubbo CUSTOMER **RECEIVED STATE CORPORATION COMMISSION OCT 01 1993**

DATE 6-5-93

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.

TIME 4:00 A.M. P.M. **RETAIN CONSERVATION DIVISION Wichita, Kansas**



JOB SUMMARY

HALLIBURTON DIVISION Wichita Area
 HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 545702

WELL DATA

FIELD V.R. 116 SEC. 10 TWP. 22 RNG. 32 COUNTY McPherson 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	N	755	6 1/2	KB	2677	
LINER						
TUBING	U	24	2 1/2	KB	609	
OPEN HOLE			2 1/2	609	2674	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-5-93</u>	DATE <u>6-5-93</u>	DATE <u>6-5-93</u>	DATE <u>6-5-93</u>
TIME <u>10:00</u>	TIME <u>12:30</u>	TIME <u>15:30</u>	TIME <u>1:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R Taylor</u>	<u>D1033</u>	<u>Liberal</u>
<u>L Williams</u>	<u>52538</u>	<u>Liberal</u>
<u>K Myers</u>	<u>89591</u>	<u>Liberal</u>
<u>S Tate</u>	<u>7018</u>	<u>Hugoton</u>
	<u>25817</u>	<u>Hugoton</u>
	<u>51984</u>	<u>Hugoton</u>
	<u>10608</u>	<u>Hugoton</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>insert</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>5 Top</u>	<u>1</u>	<u>0</u>
GUIDE SHOE	<u>1</u>	<u>W</u>
CENTRALIZERS	<u>5</u>	<u>C</u>
BOTTOM PLUG	<u>1</u>	<u>H</u>
TOP PLUG	<u>1</u>	<u>0</u>
HEAD	<u>1</u>	<u>W</u>
PACKER		<u>C</u>
OTHER <u>Wella A</u>	<u>1</u>	<u>0</u>

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN. _____

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 _____

DEPARTMENT Cement

DESCRIPTION OF JOB 5% Production casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR R Taylor COPIES REQUESTED 2

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>350</u>	<u>HLC</u>	<u>C</u>	<u>B</u>	<u>1/4% k 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>1/4% k 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. BBL-GAL. 62.5

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL. 63

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. 225.5

ORDERED _____ AVAILABLE _____ USED _____ REMARKS See Job Log

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET 1755 REASON Shoe Joint

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 01 1993

CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER McPherson Dist
 LEASE State Fe Pool A
 WELL NO. 341
 JOB TYPE 5 1/2" Prod
 DATE 6-5-93



HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET

NO. 345702-5

ORIGINAL

PAGE 1 OF PAGES

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>A-3HT Santa Fe Unit 6 U</i>		COUNTY <i>Martin</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>6-5-93</i>
CHARGE TO <i>Cheyenne Drilling</i>		OWNER <i>Amoco Production</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		CONTRACTOR <i>Cheyenne Drilling #2</i>	LOCATION <i>Liberal</i>		CODE <i>025540</i>
CITY, STATE, ZIP		SHIPPED VIA <i>Co. Truck</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>		LOCATION <i>Horton</i>
WELL TYPE <i>28</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>Liberal</i>	LOCATION <i>3</i>	CODE <i>025535</i>
TYPE AND PURPOSE OF JOB <i>375</i>		ORDER NO. B- <i>17112</i>	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>000-119</i>				<i>MILEAGE 8402</i>	<i>1</i>	<i>hr</i>	<i>10</i>	<i>m</i>	<i>275</i>	<i>27</i>	<i>50</i>
<i>001-016</i>				<i>Pump Charge</i>	<i>8</i>	<i>hr</i>		<i>64</i>			
<i>000-016</i>				<i>Super Top Ply</i>	<i>1</i>	<i>ca</i>	<i>5 1/2</i>	<i>in</i>		<i>60</i>	<i>00</i>
<i>24A</i>	<i>125 705</i>			<i>Guide Shoe</i>	<i>1</i>	<i>ca</i>	<i>5 1/2</i>	<i>in</i>		<i>121</i>	<i>00</i>
<i>24A</i>	<i>215 19251</i>			<i>insert 8121</i>	<i>1</i>	<i>ca</i>	<i>5 1/2</i>	<i>in</i>		<i>110</i>	<i>00</i>
<i>27</i>	<i>215 19311</i>			<i>8 1/2" pipe</i>	<i>1</i>	<i>ca</i>	<i>5 1/2</i>	<i>in</i>		<i>46</i>	<i>50</i>
<i>40</i>	<i>207 25022</i>			<i>Conduits</i>	<i>5</i>	<i>ca</i>	<i>5 1/2</i>	<i>in</i>	<i>44</i>	<i>220</i>	<i>00</i>
<i>350</i>	<i>120 10500</i>			<i>Weld A</i>	<i>1</i>	<i>ca</i>	<i>1 1/2</i>			<i>14</i>	<i>50</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

CUSTOMER OR HIS AGENT (PLEASE PRINT)

CUSTOMER OR HIS AGENT (SIGNATURE)

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

Richard L. [Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

RECEIVED
STATE CORPORATION COMMISSION

SUB TOTAL
OCT 9 1 1993

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

CONSERVATION DIVISION
Wichita, Kansas

EXTRA COPY

HALLIBURTON SERVICES
JOB LOG

WELL NO. A34T LEASE Santa Fe Land Co. TICKET NO. 345288

CUSTOMER Cheyenne Dry Amoco PAGE NO. 1

JOB TYPE 010 DATE 6-2-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	15:00							Call out Ready Now
	17:00							ON hoc. Rig Only
								ORIGINAL
	21:30							Start CSB in Hole
	21:35							ON Bottom Hook up To Rig Cir
		5 1/2	62				150	Start + CMT
	21:50	"	35				"	170 SK HHC P+
	22:00	-					-	150 SK Prem +
	22:02	5					100	Stop Drop 5-w Plug
		1 1/2					175	Displ w H ₂ O
	22:20	"	36				200	Plug Down Shut in
	21:20							Safety Meeting att by Jack, Sam, Richard, Tim, Bill, Tacey
								Plug hanging psi - 200 Psi
								CMT To surface - 10 bbls = 272 SK
								Average P.S.I. head - 150 Psi
								Tail - " "
								Displ - 175 "
								Lead - 4.1 B.P.M.
								Average Rate Tail - 3.5 "
								Displ - 2 "
								Overall - 2.9 "
								Thank You Tim & Crew

RECEIVED
CORPORATION COMMISSION
OCT 01 1993

FIELD OFFICE

CONSERVATION DIVISION
Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKla City OKLa,
Liberal KS

BILLED ON TICKET NO. 345288

ORIGINAL

WELL DATA

FIELD _____ SEC. 32 TWP. 39W COUNTY Morton STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		N	24	8 3/4	KB	609	1500
LINER							
TUBING							
OPEN HOLE				12 1/4	Bh	609	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE Spud MUD WT. 9.0
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 609

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>3 1/2</u>	1	
FLOAT SHOE		
GUIDE SHOE		<u>Howco</u>
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG <u>5-W</u>	1	
HEAD <u>TOPC</u>	1	
PACKER		
OTHER <u>WADA</u>	1	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-2-93</u>	DATE <u>6-2-93</u>	DATE <u>6-2-93</u>	DATE <u>6-2-93</u>
TIME <u>15:00</u>	TIME <u>17:00</u>	TIME <u>21:30</u>	TIME <u>22:20</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T Bohannon</u>	<u>40048 P.O</u>	
<u>B Sauber</u>	<u>50856 P</u> <u>75374 P</u>	
<u>T Davis</u>	<u>50757</u> <u>75305 G</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 210
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Jack Pappas
 HALLIBURTON OPERATOR T Bohannon COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	170	<u>HKEP+</u>	<u>C</u>	<u>0</u>	<u>28 cc 1/2 5K Flocc</u>	<u>2.06</u>	<u>123</u>
2	150	<u>P+</u>	<u>C</u>	<u>0</u>	<u>28 cc 1/2 5K Flocc</u>	<u>1.32</u>	<u>118</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 42 REASON skid

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 36
 CEMENT SLURRY: BBL.-GAL. 62+35
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

RECEIVED
STATE CORPORATION COMMISSION

OCT 01 1993

CONSERVATION DIVISION
Liberal, Kansas

CUSTOMER LEASE WELL NO. DATE JOB TYPE



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL ATTACH TO INVOICE & TICKET NO. 345288

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Liberal KS DATE 6-2-93

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

WELL NO. 4341 LEASE Santa Fe Land G.V. SEC. 30 TWP. 32 RANGE 39W FIELD COUNTY Morton STATE KS OWNED BY Amoco Production

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FROM TO Packer: TYPE SET AT TOTAL DEPTH 609 MUD WEIGHT 9.0 BORE HOLE 12 1/4 INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with 7 columns: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS. Includes handwritten data: IN 24 88 KB 609 1500, 12 1/4 6L 609 SHOTS/FT.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED. Handwritten notes: D10 170 SK HLC P + 2% CC. 1/4 lb flocc. 150* Rem + 2% CC 1/4 lb flocc. Displ w 5-w PVC & H2O 36 BB's

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.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies...
c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others...
d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials.
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well...
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act...
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...

SIGNED DATE TIME 6-2-93 17:00 A.M. CUSTOMER RECEIVED CONSERVATION COMMISSION OCT 1 1993 CONSERVATION DIVISION Wichita, Kansas

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

RETAIN



HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET

ORIGINAL No. 345288-9

PAGE 1 OF _____ PAGES

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME A3HI Santa E Land BU.		COUNTY Morton	STATE	CITY / OFFSHORE LOCATION	DATE 6-2-93
CHARGE TO Chesinac Doby		OWNER Amoco Production	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 Same	1 LOCATION Liberal Ks		CODE 025540
CITY, STATE, ZIP		SHIPPED VIA H.S.	2 LOCATION Horton Ks		CODE 025535
WELL TYPE 02		WELL CATEGORY 01	WELL PERMIT NO.	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB 010		ORDER NO. B-171169		REFERRAL LOCATION	

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

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

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117				MILEAGE	10	Mi.	1	TA	275	27	50
001-016				Pump Charge		FT				735	00
030-016				5-W Plog	8 1/2	in	1	TA		120	00
40	30793059			8 1/2 Cent.	2 1/2	in	3	TA		216	00
350	2901302			Weld A	1	lb	1	TA		14	50
597	3251269			2-PPH Plate	2 1/2	in	1	TA		45	00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 171169

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.

Tim Bohannon
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

RECEIVED 4261
STATE CORPORATION COMMISSION

SUB TOTAL 01 1993

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

CONSERVATION DIVISION
Wichita, Kansas

EXTRA COPY

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

ORIGINAL
 ATTACH TO
 INVOICE & TICKET NO. 305190

FORM 1908 R-7  A Division of Halliburton Company

DISTRICT LIBERAL DATE 2-12-93

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

WELL NO. 3 HI LEASE SANTA FE L.O. SEC. _____ TWP. _____ RANGE _____
 FIELD _____ COUNTY MOHAWK STATE KS OWNED BY Amoco

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		N	94	20	64	65	
LINER							
TUBING							
OPEN HOLE				28	G.L.	65	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CEMENT 20" CASING w/ 178 SE PREM. PLS - DISPLACE W/ H₂O - LEASE 10' CNT

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.
 - 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 [Signature] CUSTOMER

DATE 2-12-93

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.

CUSTOMER

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>SANTA FE LAND CO 3H1</i>		COUNTY <i>McClain</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>2.12.93</i>
CHARGE TO <i>Amoco</i>		OWNER <i>Same</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		CONTRACTOR <i>Edw R. Phillips</i>	LOCATION <i>1 LAGAN</i>		CODE <i>25540</i>
CITY, STATE, ZIP		SHIPPED VIA <i>Un. 1000</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION <i>2 HOGAN</i>	
WELL TYPE <i>A2</i>	WELL CATEGORY <i>D1</i>	WELL PERMIT NO.	DELIVERED TO <i>LOCATIONS</i>	LOCATION <i>3</i>	
TYPE AND PURPOSE OF JOB <i>DD5</i>		B- <i>123011</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>DD5-117</i>		<i>1</i>		<i>MILEAGE</i>	<i>21</i>	<i>MI</i>			<i>2.75</i>	<i>57</i>	<i>75</i>
<i>DD5-216</i>				<i>PUMPING SERVICE</i>	<i>8</i>	<i>HR</i>	<i>15</i>			<i>515</i>	<i>00</i>

NOT THIS IS AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- *123011*

1924 93

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.

Edw R. Phillips
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

RECEIVED

STATE CORPORATION COMMISSION

OCT 01 1993

3527 68

APPLICABLE TAXES WILL BE ADDED ON INVOICE

CONSERVATION DIVISION
Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

0.4.6
LIBERAL

BILLED ON TICKET NO. 305190

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Morton STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM ORIGINAL TO ORIGINAL
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	N	94	20	6.6	65	
LINER						
TUBING						
OPEN HOLE			28"	7.6	65	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>2-12</u>	DATE <u>2-12</u>	DATE <u>2-12</u>	DATE <u>2-12</u>
TIME <u>1030</u>	TIME <u>1430</u>	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Russmeyer</u>	<u>61393</u>	<u>LIBERAL</u>
<u>Dugel</u>	<u>48120</u>	<u>"</u>
<u>Myers</u>	<u>57018</u>	<u>HUGATAN</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 CERT
DESCRIPTION OF JOB 20" CONCRETE
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>178</u>	<u>PROA Plus</u>		<u>3</u>		<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH. BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 17
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 12
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____ REMARKS Cont To Support
AVERAGE RATES IN BPM _____
TREATING _____ DISPL _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 10' REASON SLP

CUSTOMER: MARRCO
LEASE: LIBERAL
WELL NO.:
JOB TYPE: 20" CONCRETE
DATE: 2-12-93

