

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

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

Purchaser: _____

Operator Contact Person: Julie VictorPhone (303) 830-4009Contractor: Name: Cheyenne DrillingLicense: 5382

Wellsite Geologist: _____

Designate Type of Completion

☒ New Well _____ Re-Entry _____ Workover _____

Oil _____ SWD _____ SLOW _____ Temp.Abd.
☒ Gas, _____ ENHR ☒ SIGW _____
 Dry _____ Other (Core, WSW, Expl., Cathodic, etc.) _____

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

_____ Plug Back _____ PBTD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

6/15/93 _____ 6/17/93 _____ 8/2/93 _____

Spud Date _____ Date Reached TD _____ Completion Date _____

API No. 15 - 129-21203-0000 ORIGINALCounty MortonNE - NE - SW - SW Sec. 24 Twp. 32 Rge. 40 ☒ East West1250 Feet from S (circle one) Line of Section4030 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE NW, or SW (circle one)Lease Name Bonham G.U. A Well # 3HIField Name HugotonProducing Formation ChaseElevation: Ground 3256' KB 3267'Total Depth 2750' PBTD _____Amount of Surface Pipe Set and Cemented at 590 FeetMultiple 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
(Data must be collected from the Reserve Pit)9-22-93Chloride content 5800 ppm Fluid Volume 2140 bblsDewatering method used dried and filled

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S.Rng. _____ E/W

County _____ Docket No. _____

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

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

Signature Julie VictorTitle Permitting Representative Date August 31, 1993Subscribed and sworn to before me this 31 day of August, 1993Notary Public Natalie M. BookDate Commission Expires December 26, 1994

K.C.C. OFFICE USE ONLY	
F	Letter of confidentiality Attached
C	Wireline Log Received
C	Drillers Ticket Received
RECEIVED	
STATE CORPORATION COMMISSION	
Distribution	
☒ KCC	☒ SWD/Rep
☐ KGS	☐ NGPA
SEP 03 1993	
(Specify)	
CONSERVATION DIVISION	
Wichita, Kansas	

9-3-93 Form ACO-1 (7-91)

81

SIDE TWO

Operator Name Amoco Production Company

Lease Name

Bonham G.U. A

Well #

3HI

County

MortonSec. 24 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 ☐ Yes ☒ No
(Attach Additional Sheets.)☐ Log

Formation (Top), Depth and Datums

☒ SampleSamples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No
(Submit Copy.)

List All E. Logs Run:

Name

Top

Datum

Herington

2267'

1000'

Krider

2293'

974'

Winfield

2327'

940'

Towanda

2403'

864'

Ft. Riley

2457'

810'

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#	590'	Class C	300	
Production	7-7/8"	5-1/2"	15.5#	2,667'	Class C	400	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	(Perforated Liner: 2244-2664')	Frac with 244,880# 12/20 Brady sand and 62,874 gal. 30# cross-linked gel	2267-2664'

TUBING RECORD	Size	Set At	Packer At	Liner Run	☒ Yes ☐ No
N/A					
Date of First Resumed Production, SWD or Inj	Producing Method	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)			
SI					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		600			

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease☐ Open Hole☐ Perf.☐ Dually Comp.☐ Commingled2267-2664'

(If vented, submit ACO-18)

☒ Other (Specify)perforated liner

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
BONHAM GU "A" NO. 3 H1
SECTION 24-T32S-R40W
MORTON COUNTY, KANSAS

API # 15-129-21203

COMMENCED: 06-15-93
COMPLETED: 06-17-93

SURFACE CASING: 580' OF 8 5/8"
CMTD W/140 SX LT. "C", 2% C.C.,
1/4#/SX FLO-CELE; TAILED IN W/
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE.

FORMATION	DEPTH
SURFACE HOLE	0- 590
RED BED, ANHYDRITE & SAND	590-1215
RED BED	1215-2267 RTD

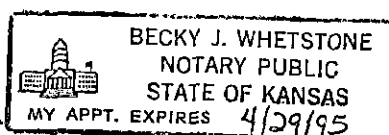
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A. J. Jacques
A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 18TH DAY OF JUNE, 1993.



Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC

RECEIVED

STATE CORPORATION COMMISSION

SEP 03 1993

CONSERVATION DIVISION
Wichita, Kansas

WELL NO. 2-HL LEASE Bonham TICKET NO. 535d05

CUSTOMER Chryenne, JMC Amoco PAGE NO. 1

JOB TYPE 010 DATE 5-11-73

[illegible]**FIELD OFFICE**

CONSERVATION DIVISION
Wichita, Kansas

WELL NO.-FARM OR LEASE NAME

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 MET 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. Those 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 OR 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. Upon the 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.

[illegible]

B- 171079

WAS JOB SATISFACTORILY COMPLETED?

WAS OPERATION OF EQUIPMENT SATISFACTORY?

WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

X _____
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X _____
CUSTOMER OR HIS AGENT (SIGNATURE)

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

**HALLIBURTON
APPROVAL**

HALLIBURTON OPERATOR

SUB
TOTAL

APPLICABLE TAXES WILL
BE ADDED ON INVOICE

4,700.27

EXTRA COPY

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO.

345285

DISTRICT Liberal Ks

ORIGINAL

DATE 5-19-93

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Chrysanne Dalg (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICINGWELL NO. 2HI LEASE Bonham G.V. A SEC 24 TWP. 32 S RANGE 40 WFIELD _____ COUNTY Abertan STATE KS OWNED BY Amoco Production

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL BPD, H ₂ O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF							
CASING		N	24	8 3/4	KB	566	1500
LINER							
TUBING							
OPEN HOLE				12 1/4	CL	560	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

010 170' HLC P+ 4" 6" flange, 2" CC
150' P+ " " "

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

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

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

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

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

SIGNED _____

CUSTOMER

DATE _____

TIME 10:30 A.M. 5-19-93

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.

RETAIN

WELL DATA

FIELD _____ SEC. 24 TWP. 10E RNG. 10W COUNTY. Morton STATE. KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. 9.0

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5675

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 3/4	KS	36	1500
LINER						
TUBING						
OPEN HOLE			12 1/4	AL	36	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR 1 1/2" 2 1/2"	1	
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG 3 1/2"	1	
HEAD 1 1/2"	1	
PACKER		
OTHER 1 1/2"	1	

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 _____

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 11/1/73	DATE 2/1/73	DATE 11/1/73	DATE 2/1/73
TIME 14:30	TIME 12:00	TIME 21:30	TIME 22:15

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. Johnson	400110 80	Liberal, KS
R. Fisher	200110 80	" "
	141110	" "
	401110	Liberal, KS

DEPARTMENT _____

DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBG/ANN. ☐

CUSTOMER REPRESENTATIVE **X** _____

HALLIBURTON OPERATOR _____

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	111	HLB 10			HLB 10 2/10		
	111	HLB 10					14.5

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

PRESLUSH: BBL-GAL. _____ TYPE _____

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

TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 13.3

CEMENT SLURRY: BBL-GAL. 14.5 + 7.5 = 22

TOTAL VOLUME: BBL-GAL. _____

VOLUMES

REMARKS

JOB LOG

WELL NO. 2 LEASE HOLLAND TICKET NO. 345565
 CUSTOMER Chester Dely PAGE NO. 1
 FORM 2013 R-2 JOB TYPE Pg To Abandon DATE 5-22-93

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							Time Collected
	0200							Time Ready
	0200							Time on loc. ORIGINAL
	0550							Hook To DP
	0603							Start Pumping Try To Back Cx. To Ground
	0613	10 ^s	110 ^{BBL}					Shut Down DP STILL STUCK in Hole
	0615							Fluid Flow Back
								Dislog Back off DP at 1250 ^{FT}
							1 st	AT 1250 ^{FT} w 50 ^{sk} Perm Plug 1/4" Flare
	0845							Hook To DP
	0848							Start Water Alred
	0850	10						Start Mix Cement
	0853	11.75						Start Wash up Tub + Lines
	0854	3.5						Start Displacement w/ mud
	0856	11.1						Shut Down Back Loss
	0930						2 nd	AT 590 ^{FT} w 50 ^{sk} Perm Plug 1/4" Flare
	0935							Hook To DP
	0937	10						Start Water Alred
	0940	11.75						Start Cement
	0941	3.						Start Water Alred Wash Tub + Lines
	0943	5.2						Start Disp w Mud
							3 rd	AT 0-140 ^{FT} w 10 ^{sk} Perm Plug 1/4" Flare
	1100							Shut Down
	1105	2.5						Start Mix Cement
	1108							Shut Down Cx Cement To Ground
	1115	3.5					4 th 5 th	Cmt 15 ^{sk} To Bot Hole
	1130	2.5						10 ^{sk} To Moxette
	1130							Finish Job Thanks For Calling Holliston Services
	0235							Time Called For 5 1/2 Prod String
	0445							Time on loc.
	0600							Time Ready Ry Stuck DP
								Holliston on Stand B, STATE CORPORATION COMMISSION
	1000							Time Release FROM loc. SEP 23 1993

JOB LOG

WELL NO.

LEASE

TICKET NO.

CUSTOMER

PAGE NO.

FORM 2013 R-2

JOB TYPE

DATE

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							Time Colled
	0200							Time Ready
	0200							Time on loc.
	0550							Hookup To DP
	0603							Start Pumping Try To Back C/L To Ground
	0613	10.5	110 ⁰⁰¹					Shut Down DP STILL Stuck in Hole
	0615							Fluid Flow Back
								Drlog Back off DP at 1250 ^{FT}
						1 ^{1/2}		AT 1250 ^{FT} w 50 ^{sk} Pump Plug 2' 1/4" Flare
	0845							Hookup To DP
	0848							Start Water Alard.
	0850		10					Start Mix Cement
	0853		11.75					Start Washup Tub + Lines
	0854		3.5					Start Displacement w/ mud.
	0856		11.1					Shut Down Back Loss
	0930					2 ^{1/2}		AT 590 ^{FT} w 50 ^{sk} Pump Plug 1' 1/4" Flare
	0935							Hookup To DP
	0937		10					Start Water Alard.
	0940		11.75					Start Cement
	0941		3.					Start water Back Wash Tub + Lines
	0943		5.2					Start Pump in Mud
						3 ^{1/2}		Shut Down AT 0-140 ^{FT} w 10 ^{sk} Pump Plug 1/4" Flare
	1100							Back Hole w/ mud
	1105		2.5					Start Mix Cement
	1108							Shut Down C/L Cement To Ground
	1115		3.5			4 ^{1/5}		Cent 15 ^{sk} To Bottle
	1130		2.5					10 ^{sk} To Moxette
	1130							Finished Job Thanks For Calling Halliburton Services
	0235							Time Colled For 5 1/2 Prod String.
	0445							Time on loc.
	0600							Time Ready Ry Stuck DP
								Halliburton on Stand By
	1000							Time Release From loc. leave truck on loc.

RECEIVED
STATE OF KANSAS COMMISSION
SEP 13 1993
CONSERVATION DIVISION
Wichita, Kansas

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY _____ STATE _____

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						
LINER						
TUBING						
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 5-22	DATE 5-22	DATE 5-22	DATE 5-22
TIME 0030	TIME 0700	TIME 0800	TIME 1130

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. Miller	14075	Wichita, KS
D. Ray	59179	"
C. Miller	29417 / 15496	"
	14164	Hgt. - 6

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 CENTEST

DESCRIPTION OF JOB DTA

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBG/ANN. ☐

CUSTOMER REPRESENTATIVE X D. Miller

HALLIBURTON OPERATOR D. Miller

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	150	Premix			1/1# Fluids	1.32	14.8

PRESSURES IN PSI

SUMMARY

VOLUMES

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 _____

PRESLUSH: BBL-GAL 10.1 TYPE 1.05

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

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 14.1/52

CEMENT SLURRY: BBL-GAL 3.1

TOTAL VOLUME: BBL-GAL _____

REMARKS _____

STATE CORPORATION COMMISSION

SEP 03 1993

CONSERVATION DIVISION
Wichita, Kansas

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 345565DISTRICT Lisbon KORIGINAL DATE 5-22-93

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Argonne Doby (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICINGWELL NO. 2 HI LEASE Bonham SEC. 24 TWP. 32 RANGE 40^WFIELD _____ COUNTY Montana STATE K OWNED BY Amoco

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		24 [#]	8 3/4	6L	560	
LINER						
TUBING						
OPEN HOLE			7 1/2	560		SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE OR MATERIALS _____TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ OR TUBING/ANNULUS ☒ HYDRAULIC HORSEPOWER ORDERED _____

Pl. To ARBUDON 1/4 150^{PSI} PER R. 1/4 IN. 1250^{FT} 90^{PSI}
590^{FT} 90^{PSI}
DE 40^{FT} 10^{PSI}
Bottle 15^{PSI} 10^{PSI} More Alk

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 Jack Heppe

DATE _____

TIME _____ A.M. P.M.

RETAIN

RECEIVED
STATE CORPORATION COMMISSION

SEP 03 1993

CONSERVATION DIVISION
Wichita, Kansas

HALLIBURTON SERVICES

Duncan, Oklahoma 73538

A Division of Halliburton Company

TICKET

NO. 345565-0

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <u>2#</u>		COUNTY <u>Wagoner</u>	STATE <u>OK</u>	CITY / OFFSHORE LOCATION	DATE <u>5-22-93</u>
CHARGE TO <u>Shopee Dr.</u>		OWNER <u>Amoco Prod.</u>	TICKET TYPE (CHECK ONE) SERVICE ☒ SALES ☐		NITROGEN JOB YES ☐ NO ☒
ADDRESS <u>Shopee Dr.</u>		CONTRACTOR <u>Shopee Dr. 2#</u>	LOCATION <u>1</u>		CODE <u>2540</u>
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES ☐ PPD ☐ COLLECT		LOCATION <u>2</u>
WELL TYPE		WELL CATEGORY	WELL PERMIT NO. <u>B-17087</u>		DELIVERED TO <u>Loc</u>
TYPE AND PURPOSE OF JOB <u>115 DTH</u>		ORDER NO.		REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accordance 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			
CCO-117				MILEAGE	10	Mile			27	270	
CCO-019				Rep. Charge	1250	FT				990	
CCO-037				MT. 1 16.00	2	HL			195	780	
CCO-018				MT. 1 11 5-21-93	14	HL			195	780	

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-

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

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

HALLIBURTON
APPROVAL

HALLIBURTON OPERATOR

EXTRA COPY

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STATE CORPORATION COMMISSION
SEP 03 1993
SUB TOTAL
CONSERVATION DIVISION
Wichita, Kansas
BE LIABLE TAXES WILL
BE ADDED ON INVOICE