

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 _____ PSTD _____☐ Commingled _____ Docket No. _____☐ Dual Completion _____ Docket No. _____☐ Other (SWD or Inj?) _____ Docket No. _____Spud Date 5/13/93 Date Reached TD 5/15/93 Completion Date 6/18/93API No. 15 - 129-21166-0000County MortonSW - SW - NE - NE Sec. 20 Twp. 32 Rge. 39 ☒ East ☒ West4030 Feet from SN (circle one) Line of Section1250 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, SE NW, or SW (circle one)Lease Name Feaster G.U. Well # 2HIField Name HugotonProducing Formation ChaseElevation: Ground 3241' KB 3253'Total Depth 2793' PBTD 2745'Amount of Surface Pipe Set and Cemented at 567 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)Chloride 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 July 6, 1993Subscribed and sworn to before me this 6 day of July, 1993Notary Public Natalie M. WoodDate Commission Expires December 26, 1994

K.C.C. OFFICE USE ONLY

F _____ Letter of confidentiality Attached
C _____ Wireline Log Received
C _____ Drillers Timelog Received

Distribution

☒ KCC _____ SWD/Rep _____ RECEIVED
☐ KGS _____ Plug STATE _____ Other _____
(Specify)

7-9-93 1111-9 1993

SIDE TWO

Operator Name Amoco Production Company

Lease Name

Feaster G.U.

Well #

2H1Sec. 20 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 ☐ 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

2,416'

Krider

2,444'

Winfield

2,490'

Towanda

2,562'

Ft. Riley

2,618'

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#	567'	Class C	300	
Production	7-7/8"	5-1/2"	15.5#	2,793'	Class C	450	

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
4	2418-2424'; 2450-2460'; 2488-2525'	Frac with 245,000# 12/20 sand	2418-2642'
	2560-2582'; 2620-2642'	and 58,443 gals. fluid	

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)
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		1500			

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease☐ Open Hole☒ Perf.☐ Dually Comp.☐ Commingled2418-2642'

(If vented, submit ACO-18)

☐ Other (Specify) _____

DRILLERS LOG

AMOCO PRODUCTION COMPANY
FEASTER GU NO. 2 H1
SECTION 20-T32S-R39W
MORTON COUNTY, KANSAS

COMMENCED: 05-13-93
COMPLETED: 05-15-93

SURFACE CASING: 557' OF 8 5/8"
OMTD W/150 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- 567
SAND, CLAY & RED BED	567-1230
RED BED, SHALE, SAND & ANHYDRITE	1230-1707
RED BED & SHALE	1707-2407
CHASE	2407-2735
LIME & SHALE	2735-2793 RTD

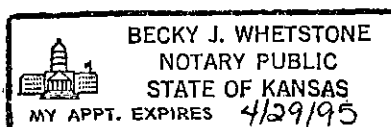
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A. J. Jacques
A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 17TH DAY OF MAY, 1993.



Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC

RECEIVED
STATE CORPORATION COMMISSION

MAY - 9 1993

CONSERVATION DIVISION
Wichita, Kansas

JOB LOG

CUSTOMER Cheyenne Drilling

PAGE NO.

JOB TYPE: Pod 5/2

DATE 5/15/93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	05:00							Called out
	09:30							On Loc. - all Equip
	10:00							Safety meeting
	13:02							Howea + Cust Ready
1	13:02	5	20		2		100	Prof flush: water
2	13:07	5	109		2		150	mix + Pump head @ 12.3"
3	13:25	5	35		2		100	mix + Pump Tail @ 14.8"
4	13:33							Drop Plug - wash line + Pump
5	13:36	6	65 ⁵		2		500	Displace w/ Fresh water
6	13:52				1	1500/2,000		band Plug - Pressure Test
	13:53							Check Float
	13:53							Job Complete
								Truck + Crew Released
								Thanks for calling Halliburton
								James + Crew

RECEIVED
STATE CORPORATION COMMISSION

JUL - 9 1993

CONSERVATION DIVISION
Wichita Kansas

FIELD OFFICE



JOB SUMMARY

HALLIBURTON
DIVISION
HALLIBURTON
LOCATION

Eastern Area 1
Liberal

BILLED ON
TICKET NO. 345259

WELL DATA

FIELD _____ SEC. 20 TWP. 32 RNG. 39W COUNTY Morton STATE KN

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 PBTD 2749 TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	KB	2796	2,000
LINER						
TUBING						
OPEN HOLE			7 1/2	KB	2793	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FOOT COOLER F.11 UP Unit 5 1/2	1	Howco
FOOT SHOE Insect Floater 5 1/2	1	"
GUIDE SHOE Reg. 5 1/2	1	"
CENTRALIZERS 5:4 5 1/2	5	"
BOTTOM PLUG		
TOP PLUG 5 WJ 5 1/2	1	"
HEAD PC + man 5 1/2	1	"
PACKER		
OTHER Weld A 1 #	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. _____ IN.

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 5/14	DATE 5/14	DATE 5/14	DATE 5/14
TIME 05:00	TIME 08:30	TIME 13:02	TIME 13:53

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. Yocum	DD547	Cementers Liberal
R. Elwood	D4360	4903/7848 " "
J. Martin	F4549	4449/5302 Hugoton
		50860/5339

DEPARTMENT CMT

DESCRIPTION OF JOB Prod

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

CUSTOMER REPRESENTATIVE X Jack Pepper

HALLIBURTON OPERATOR Jim Yocum COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS./GAL.
1	300	Prem Plus	light	B	1/4 #/sk Floccle	2.04	12.3
2	150	Prem Plus		B	1/4 #/sk Floccle	1.32	14.8

PRESSURES IN PSI

CIRCULATING 100 DISPLACEMENT 500

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN PRESS. 1500 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING 5 DISPL. 5 OVERALL 5

CEMENT LEFT IN PIPE

FEET 47 REASON Insert Floater

SUMMARY

PRESLUSH: BBL. GAL. 20 TYPE Water

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

TREATMENT: BBL. GAL. _____ DISPL. BBL. GAL. 65.5

CEMENT SLURRY: BBL. GAL. 1109 2 35

TOTAL VOLUME: BBL. GAL. _____

REMARKS

CMT Weight by Dens
CMT Returns 48 BBL. TMS OIL - 9 1993
(17 BBL. - 46 SK)

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER Cherokee Drilling

LEASE Feaster G.U. B

WELL NO. 2 HI

JOB TYPE Prod

DATE 5/15/93



HALLIBURTON SERVICES

Since October 1928

FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 345259

DISTRICT Liberal

DATE 5/15/93

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 H I LEASE Fenster G.O. "B" SEC 20 TWP 32 RANGE 39.4

FIELD _____ COUNTY Morton STATE Ks. OWNED BY Arco 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		NEW	15.5	5 1/2	R.B.	2796	2,000
LINER							
TUBING							
OPEN HOLE				7 7/8	R.B.	2793	SHOTS FT
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CMT PD. WITH 300 SPS "C" 4" WT 1/4" / SK Flocks
150 SPS "C" 1/4" / SK Flocks

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 outcropping 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, log 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.

RECEIVED

STATE CORPORATION COMMISSION

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

MAY 19 1993

SIGNED Paul Pepper CUSTOMER

DATE 5/15/93

CONSERVATION DIVISION
Wichita Kansas

TIME 9:45 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

FORM 1906 R-11

WELL NO.--FARM OR LEASE NAME <i>FEATHER CO. "B" 2 H I</i>		COUNTY <i>MORTON</i>	STATE <i>Ks.</i>	CITY / OFFSHORE LOCATION	DATE <i>5/13/93</i>
CHARGE TO <i>CHEYENNE DRUG Rtg 2</i>		OWNER <i>ARCO PRODUCTION</i>	TICKET TYPE (CHECK ONE) SERVICE ☒ SALES ☐		NITROGEN JOB YES ☐ NO ☒
ADDRESS		CONTRACTOR <i>CHEYENNE Rtg 2</i>	1 LOCATION <i>LIBERAL Ks.</i>		CODE <i>025540</i>
CITY, STATE, ZIP		SHIPPED VIA <i>Co. Del.</i>	FREIGHT CHARGES ☐ PPD ☐ COLLECT	2 LOCATION <i>Huyton Ks.</i>	CODE <i>025335</i>
WELL TYPE <i>02 GAS</i>	WELL CATEGORY <i>01 Prod</i>	WELL PERMIT NO.	DELIVERED TO <i>Loc.</i>	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB <i>035 Prod.</i>		<i>B-171631</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 or a 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]

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 171631

46341	53
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WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X 9/2/81
 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

STATE CORPORATION COMMISSION

SUB TOTAL 1111.00 9 1957

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

CONSPICUOUS DIVISION

Wichita, Kansas

FIELD OFFICE

CUSTOMER Cheyenne Drilling

PAGE NO. _____

JOB TYPE 8 5/8' Surf.

DATE: 5/13/93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	13:30							Called Out
	17:30							On loc. - all Equip
	18:00							Safety meeting
	18:40							Howes + Cust Ready
1	18:40	4	10		1		50	Preflush: water
2	18:44	5	55		2		100	mix + Pump Lead CMT @ 12.3 #
3	18:52	5	36		2		100	mix + Pump Tail CMT @ 14.8 #
								Drop Plug
4	19:00	5	33.5		2		100	Displace with water
	19:10						200	Land Plug
	19:10							Job Complete Trucks + Crew Released
								Thanks for calling Halliburton Jim + Crew

FIELD OFFICE

~~CONSERVATION DIVISION~~
Wichita, Kansas

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME 2 HI Feaster GU.		COUNTY Morton	STATE Kan	CITY / OFFSHORE LOCATION	DATE 5/13/93
CHARGE TO Cheyenne Drilling		OWNER Amoco Prod.		TICKET TYPE (CHECK ONE) SERVICE ☒ SALES ☐	NITROGEN JOB YES ☐ NO ☒
ADDRESS PO Box 916		CONTRACTOR Cheyenne #2		1 LOCATION Liberal	CODE 025540
CITY, STATE, ZIP Garden City, kn		SHIPPED VIA Co. Veh.	FREIGHT CHARGES ☐ PPD ☐ COLLECT	2 LOCATION Hugoton	CODE 025530
WELL TYPE 02 Gas	WELL CATEGORY 01 Devel	WELL PERMIT NO.	DELIVERED TO Loc.	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB OIO surf.		B-171622	ORDER NO.	REFERRAL LOCATION	

[illegible]

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 171622

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.

Jim Yocum

HALLIBURTON OPERATOR

**HALLIBURTON
APPROVAL**

STATE COOPERATION COMMISSION

SUB	141.51	31
TOTAL	141.51	1973

APPLICABLE TAXES WILL
BE ADDED ON INVOICE.

COMMISSION DIVISION
Wichita Kansas

FIELD OFFICE



JOB SUMMARY

HALLIBURTON DIVISION Eastern Area 1
HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 345257

WELL DATA

FIELD _____ SEC. 20 TWP. 32 S RNG. 69 W COUNTY Morton STATE Kan

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>24</u>	<u>8 5/8</u>	<u>1 B</u>	<u>528</u>	<u>500</u>
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>1 B</u>	<u>367</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4</u> <u>8 5/8</u>	<u>3</u>	<u>HAWCO</u>
BOTTOM-PEEG <u>Alum Baffle</u> <u>8 5/8</u>	<u>1</u>	<u>"</u>
TOP PLUG <u>5w</u> <u>8 5/8</u>	<u>1</u>	<u>"</u>
HEAD <u>PC + man</u> <u>8 5/8</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER <u>Weld A</u>	<u>1#</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-^oAPI

DISPL. FLUID _____ DENSITY _____ LB/GAL-^oAPI

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 _____

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5/13</u>	DATE <u>5/13</u>	DATE <u>5/13</u>	DATE <u>5/13</u>
TIME <u>13:30</u>	TIME <u>17:30</u>	TIME <u>18:40</u>	TIME <u>19:10</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Yocum</u>	<u>00547 Cementer</u>	<u>Liberal</u>
<u>R. Elwood</u>	<u>D4360 4403/7848</u>	<u>"</u>
<u>D. McIntyre</u>	<u>R5 D9704 7524 P</u>	<u>Hugoton</u>

DEPARTMENT CMT

DESCRIPTION OF JOB Surf

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

CUSTOMER REPRESENTATIVE X Jack Pepper

HALLIBURTON OPERATOR Jim Yocum 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>150</u>	<u>PREM PLUS</u>	<u>light</u>	<u>B</u>	<u>2% CC, 1/4 #/sk Floccle</u>	<u>2.05</u>	<u>12.3</u>
<u>2</u>	<u>150</u>	<u>PREM PLUS</u>		<u>B</u>	<u>2% CC, 1/4 #/sk Floccle</u>	<u>1.34</u>	<u>14 #</u>

PRESSURES IN PSI

CIRCULATING 100 DISPLACEMENT 100

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN PRESSURE 200 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING 5 DISPL 5 OVERALL 5

CEMENT LEFT IN PIPE

FEET 42 REASON Baffle

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL 10 TYPE Water

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

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 33

CEMENT SLURRY: BBL-GAL 1) 55 2) 36

TOTAL VOLUME: BBL-GAL _____

REMARKS

Good CMT Returns (20 BBL)

1111 - 9 1993

CONSERVATION DIVISION
Wichita, Kansas

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 345257DISTRICT LiberalDATE 5/13/93

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 SERVICINGWELL NO. 2 HI LEASE Feaster G. U. SEC. 20 TWP. 32 S RANGE 69 WFIELD _____ COUNTY Morton STATE Kan 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 _____ MCFPRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW P.S.I.
CASING	<u>U</u>	<u>24</u>	<u>8 5/8</u>	<u>KR</u>	<u>503</u>	<u>500</u>
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>KR</u>	<u>567</u>	<u>SHOTS-FT</u>
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT _____ DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☒ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED _____CMT Surf. w. 150 st. CLW w/ 2% CC & 1/4 #/st. Flocele
150 st. C w/ 2% CC & 1/4 #/st. Flocele

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

RECEIVED
STATE CORPORATION COMMISSIONI HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT
THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER/AGENT 9 1993SIGNED Jack P. Rizer CUSTOMERDATE 5/13/93TIME 17 00 A.M. P.M.CORRELATION 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.

FIELD OFFICE