

ORIGINAL

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

API No. 15 - 129-21187-0000

County Morton
NW - NW - SE - SE Sec. 19 Twp. 32 Rge. 39 X East West

Operator: License # 5952

Name: Amoco Production Company

Address P.O. Box 800, Rm. 2118

City/State/Zip Denver, CO 80201

Purchaser: _____

Operator Contact Person: Julie Victor

Phone (303) 830-4009

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD 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. _____

5/23/93 5/30/93 7/1/93
Spud Date Date Reached TD Completion Date

1250 Feet from (S)N (circle one) Line of Section
1250 Feet from (E)W (circle one) Line of Section

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

Lease Name Tillett G.U. Well # 2HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3192' KB 3203'

Total Depth 2635' PSTD _____

Amount of Surface Pipe Set and Cemented at 613 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(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 Permitting Representative Date August 27, 1993

Subscribed and sworn to before me this 27th day of August, 1993

Notary Public Suzanne Callahan

Date Commission Expires _____ My Commission Expires August 02, 1994

K.C.C. OFFICE USE ONLY
F Letter of confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 Other (Specify)
RECEIVED
KANSAS STATE CORPORATION COMMISSION
SEP 03 1993

ACO-1 (7-91)
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Amoco Production Company

Lease Name Tillett G.U.

Well # 2HI

Sec. 19 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 Sample

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

Name Top Datum

Herington 2338'
Krider 2362'
Winfield 2404'
Towanda 2480'
Ft. Riley 2538'

List All E. Logs Run:

GR Spec.

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#	613'	Class C	265	
Production	7-7/8"	5-1/2"	15.5#	2,635'	Class C	550	

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4	2338-2342'; 2366-2384'; 2404-2442'; 2482-2520'; 2540-2566'	Frac with 251,760# 12/20 sand and 63,600 gal. 30# cross link gel 2338-2566'

TUBING RECORD		Size: <u>N/A</u>	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" 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)				
SI					
Estimated Production Per 24 Hours	Oil Bbls.	Gas 1040 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

Vented Sold Used on Lease

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18)

Other (Specify)

Production Interval

2338-2566'

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
TILLET GU NO. 2 HI
SECTION 19-T32S-R39W
MORTON COUNTY, KANSAS

API # 15-129-21187

COMMENCED: 05-27-93
COMPLETED: 05-29-93

SURFACE CASING: 603' OF 8 5/8"
CMTD W/115 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 -613
RED BED	613-2100
COUNCIL GROVE	2100-2510
SHALE & LIME	2510-2635 RTD

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

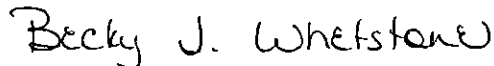
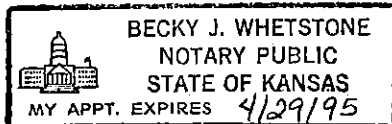
CHEYENNE DRILLING, INC.



A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 2ND DAY OF JUNE, 1993.



BECKY J. WHETSTONE, NOTARY PUBLIC

JOB LOG

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	15:00							Called Out
	17:00							ON location, rig drilling
	18:30							Safety meeting, set up
	19:00							Start casing, run floating equmt.
	20:30							Casing run
	20:35							hook up iron, rig circulating
	20:40							hook up iron, Co Tek
	20:43	6	42		X		150	Start lead Cement
	20:50	6	35		X		150	Start tail Cement
	20:56						150	Shut down, drop plug
	20:59	6	26.5		X		200	Start water displacement
	21:04	2	10				150	Slowed rate, cement circulated to surface
	21:08						200	plug landed
	21:08						450	pressured up
	21:10						150	Shut in head, released pressure
								Job Complete
								Sherry circulator = 10 # bbls
								Plug landing P.S.T. = 200 #
								Average P.S.T. { Lead Cat = 150 # Tail Cat = 150 # Displ = 150 #
								Average rate { Head Cat 6 B.P.M. Tail Cat 6 B.P.M. Displ 5.5 B.P.M. overall 5.5 B.P.M.
								Thanks for Calling Halliburton Richard Crew

RECEIVED
STATE CORPORATION COMMISSION

SEP 03 1993

CONSERVATION DIVISION
Wichita, Kansas

DISTRICT Liberal DATE 5-27-93

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. 2412 LEASE T.H.A. G.O.A SEC. 19 TWP. 32 RANGE 39
FIELD D. Rolfe COUNTY Wichita 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.
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							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Cement 8 1/2" surface w/ 115 sks HHC C¹ w/ 2 1/2 CC & 3/4" 1/2k Fluoride & 150 sks
Pronox Plus w/ 2 1/2 CC, 3/4" 1/2k Fluoride, displace swabs Top Plug to alum.
BeHle w/ 305 bbls 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

- 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 5-27-93

TIME 11:30 A.M. P.M.

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STATE CORPORATION COMMISSION
SEP 03 1993
CONSERVATION DIVISION
Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION Eastern Area
 HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 395546

WELL DATA

ORIGINAL

FIELD N. Roll SEC. 19 TWP. 32 RNG. 39 COUNTY Madison STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<input checked="" type="checkbox"/>	<u>24</u>	<u>8 7/8</u>	<u>KB</u>	<u>616</u>	
LINER							
TUBING							
OPEN HOLE				<u>12 1/4</u>	<u>KB</u>	<u>613</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>11 1/2 in. B. 8 1/2 in.</u>	<u>1</u>	<u>H</u>
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>1</u>	<u>O</u>
HEAD	<u>1</u>	<u>W</u>
PACKER		
OTHER <u>Wild A</u>	<u>1</u>	<u>O</u>

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-27-93</u>	DATE <u>5-27-93</u>	DATE <u>5-27-93</u>	DATE <u>5-27-93</u>
TIME <u>1:00</u>	TIME <u>17:00</u>	TIME <u>1:00</u>	TIME <u>21:10</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>P. T. / L.</u>		
<u>D. Williams</u>	<u>40078</u>	<u>Liberal</u>
<u>C. Williams</u>	<u>52147</u>	<u>Liberal</u>
<u>T. Williams</u>	<u>34589</u>	<u>Liberal</u>
<u>R. Williams</u>	<u>6012</u>	<u>Hogerton</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
 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 _____

DEPARTMENT Cement
 DESCRIPTION OF JOB 8 1/2 Surface

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X** John Williams

HALLIBURTON OPERATOR P. T. / L. 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>115</u>	<u>HLL</u>	<u>C</u>	<u>B</u>	<u>24 cc + 1/4" H. Sheds</u>	<u>2.06</u>	<u>123</u>
<u>2</u>	<u>150</u>	<u>Penn. Plus</u>	<u>C</u>	<u>B</u>	<u>24 cc + 1/4" H. Sheds</u>	<u>1.32</u>	<u>143</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET 1607 REASON 11 1/2

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 36.5
 CEMENT SLURRY: BBL.-GAL. _____
 TOTAL VOLUME: BBL.-GAL. 115.5

VOLUMES

REMARKS SP 26 1/2

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 STATE CORPORATION COMMISSION
 SEP 03 1993
 CONSERVATION DIVISION
 Wichita Kansas

CUSTOMER Williams
 LEASE 1111
 WELL NO. 211
 JOB TYPE CHT
 DATE 5-27-93

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME <i>211 Till 160 A</i>		COUNTY <i>McClain</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>5 27 93</i>
CHARGE TO <i>Cheyanne Drilling</i>	OWNER <i>Harold Reed</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>Cheyanne Drilling</i>	LOCATION 1 <i>160 A</i>		CODE <i>025540</i>	
CITY, STATE, ZIP	SHIPPED VIA <i>Truck</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 <i>McClain</i>	
WELL TYPE	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>McClain</i>	LOCATION 3	
TYPE AND PURPOSE OF JOB <i>012</i>		B-	ORDER NO. <i>171142</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>024-117</i>				MILEAGE <i>75196</i>	<i>6</i>	<i>mi</i>	<i>10</i>	<i>mi</i>	<i>225</i>	<i>1350</i>	<i>00</i>
<i>021-016</i>				Ramp Charge	<i>8</i>	<i>hr</i>	<i>616</i>	<i>hr</i>		<i>735</i>	<i>00</i>
<i>030-016</i>				Super Top Plug	<i>1</i>	<i>cu</i>	<i>85</i>	<i>cu</i>		<i>120</i>	<i>00</i>
<i>70</i>	<i>10993059</i>			Centrifuges	<i>3</i>	<i>cu</i>	<i>84</i>	<i>cu</i>	<i>12</i>	<i>216</i>	<i>00</i>
<i>352</i>	<i>89210502</i>			Weld A	<i>1</i>	<i>cu</i>	<i>1</i>	<i>cu</i>		<i>14</i>	<i>00</i>
<i>597</i>	<i>125-1269</i>			Alum Bottle	<i>1</i>	<i>cu</i>	<i>84</i>	<i>cu</i>		<i>45</i>	<i>00</i>

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- *171142*

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.

Paul D. T. L.
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

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

EXTRA COPY

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2HE LEASE T.114 GD. A TICKET NO. 345463

CUSTOMER Chrysnac Only "Amoco" PAGE NO. 1

JOB TYPE 035 DATE 5-29-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							Callout Ready 10:00 am
	0930							ON loc Rig Only
	1330							start CSG
	1500							CSG on Bottom
	1505							circulate w/Rig - Safety meeting
	1520							Hook up To Truck
	1534	1	20				200	Fw spacer
	1538	6					200	mix lead cement
	1542	6					200	mix Tail cement
	1549						0	wash up
	1552	4					0	Drop Plug - start Disp
	1603	3	52				600	slow Rate
	1608		62				750 ← 1250	Bump Plug
								Release Pressure Float Held
								Lead 6 BPM
								Average Rate Tail 6 BPM
								DISP 50 BPM
								Lead 200 PSI
								Average PSI Tail 150 PSI
								DISP 450 PSI
								Job complete Thank you For calling Halliburton Services
								Bill Sauber + crew
								(Circ 5 BBLs of Cmt To SFC.)
								M.M. Hill

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STATE CORPORATION COM
SEP 03 1993
CONSERVATION DIV
Wichita-Kans

RETAIN



HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET

PAGE 1 OF 1 PAGES

ORIGINAL

NO. 345463-8

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME TINK CWA #2HT		COUNTY Spartan	STATE KS	CITY / OFFSHORE LOCATION	DATE 5-29-93
CHARGE TO Chrym Drilling		OWNER Adress Products		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS Box 711		CONTRACTOR Chrym Drilling #2		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
CITY, STATE, ZIP Fountain City KS 67546		SHIPPED VIA COTK		LOCATION 1 Liberal 75540	
WELL TYPE C1		WELL CATEGORY C1		FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	
WELL PERMIT NO. B-171145		DELIVERED TO Location		LOCATION 2 H450701 75335	
TYPE AND PURPOSE OF JOB Oil well		ORDER NO.		LOCATION 3	
				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			
ccc-117				MILEAGE	10	mi			2.75	27	50
ccc-016				Pump charge	7035	hr				1935	00
ccc-016				TOP ROLLER PLUG						40	00
17A	805,385			Cable shoe						101	00
24A	805,17051			INSERT FLAT						110	00
40	805,13024			CONDUIT	5	89			44.2	220	00
250	890,15007			WELD A						14	50
37	815,17315			FILLUP						46	50

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-171145

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

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

HALLIBURTON APPROVAL

HALLIBURTON OPERATOR

RECEIVED
 STATE CORPORATION COMMISSION
 6490
 SEP 03 1993
 APPLICABLE TAXES WILL BE ADDED ON INVOICE
 CONSERVATION DIVISION
 Wichita, Kansas

RETAIN

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

ORIGINAL

ATTACH TO
INVOICE & TICKET NO. 345463

DISTRICT Liberal Ks

DATE 5-29-93

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

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

WELL NO. 2HI LEASE T.H. Co SEC. 19 TWP. 32S RANGE 39W

FIELD _____ COUNTY Marton STATE Ks 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 9.0
BORE HOLE 7 7/8
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>2635</u>	<u>1500</u>
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>S.P.</u>	<u>2635</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

035
300⁵² HHC P+ 1/4" Block at 12.3' Sol
150⁵² Pream + 1/4" Block at 14.8'
Displ'd 5-10 P/B, 1 H₂O

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

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED [Signature] CUSTOMER

DATE 5-29-93

TIME 10:10 A.M. P.M.

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

RETAIN

RECEIVED
STATE COMMISSION
SEP 03 1993
CONSERVATION DIVISION
Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION OKLA. C. T., OKLA.
 HALLIBURTON LOCATION Liberal, KS

BILLED ON TICKET NO. 345463

WELL DATA

FIELD 17 SEC. 17 TWP. 27S RNG. 29W 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 Chrom MUD WT. 110

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-27-93</u>	DATE <u>5-29</u>	DATE <u>5-29</u>	DATE <u>5-26-93</u>
TIME <u>06:40</u>	TIME <u>09:30</u>	TIME <u>15:30</u>	TIME <u>17:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>L. Seiber</u>	<u>40078</u>	<u>L. Liberal, KS</u>
<u>T. Williams</u>	<u>87748</u>	<u>"</u>
<u>T. Davis</u>	<u>4612</u>	<u>Hugoton, KS</u>
<u>J. McIntyre</u>	<u>5170</u>	<u>"</u>
<u>O. Taylor</u>	<u>5302</u>	<u>"</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5 1/2</u>	<u>1</u>	<u>Hawco</u>
FLOAT SHOE		
GUIDE SHOE <u>5 1/2</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>3-7</u>	<u>5</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>5-1/2</u>	<u>1</u>	<u>"</u>
HEAD <u>CRK</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER <u>W-11A</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 _____

DEPARTMENT Cement

DESCRIPTION OF JOB 035 Cement 5% Production

CSG

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE **X** Paul Pepper

HALLIBURTON OPERATOR B Seiber COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>300</u>	<u>HHC P2</u>			<u>1/4 lb Elmer's</u>	<u>2.06</u>	<u>11.3</u>
<u>2</u>	<u>150</u>	<u>Admix</u>			<u>1/4 lb Elmer's</u>	<u>1.32</u>	<u>14.8</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 46148 REASON shut in

SUMMARY

PRESLUSH: BBL-GAL. 20 TYPE F4

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

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

CEMENT SLURRY: BBL-GAL. 46148 350 Tail

TOTAL VOLUME: BBL-GAL. _____

REMARKS

CUSTOMER _____
 LEASE _____
 WELL NO. _____
 JOB TYPE _____

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 03 1993
 CONSERVATION DIVISION
 Wichita, Kansas