093-21269

STATE CORPORATION COMMISSION OF KANSAS **OIL & GAS CONSERVATION DIVISION**

WELL COMPLETION FORM ACO-1 WELL HISTORY	CountyKearny
DESCRIPTION OF WELL AND USE	NW - SE - SW - SW Sec. 16 Twp. 24 Rge. 37 XX West
Operator: License #5952	1250 Feet from SN (circle one) Line of Section Feet from EW (circle one) Line of Section
Amoco Production Company Address P.O. Box 800, Room 2072	Footages Calculated from Nearest Outside Section Corner: NE, SE) NW, or SW (circle one)
City/State/Zip Denver, CO 80201	Lease Name Vernon G. Kropp G.U.Well # 3HI Field Name Hugoton
Purchaser:Craig Carley Operator Contact Person: Craig Carley Phone(303) 830-4601	Producing FormationChase
Contractor: Name:Cheyenne Drilling	Total Depth2860PBTD2815 Amount of Surface Pipe Set and Cemented atFeet
License: 5382 Wellsite Geologist: None Kcc	Mulitple Stage Cementing Collar Used? ————————————————————————————————————
Designate Type of Completion X New Well Re-Entry Workover Oil SWD SIOW Temp.Abd. X Gas ENHR SIGW Dry Other (Core,WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from feet depth to
f Workover/Re-entry: old well info as follows: Operator: N/A	Chloride content 5800 ppm Fluid Volume 2140 bbls Dewatering method used Driled and filled
Well Name: Old Total Depth	Location of fluid disposal Lineulog Office D KANSAS CORPORATION COMMISSION
Deepening Re-perf. Conv. to Inj/SWD PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No.	Lease Name NOV 2 9 1993 License No.
7/28/93 7/31/93 Delayed Spud Date Reached TD Completion Date	County — Quarter Sec. E/W CONSERVATION DIVISION S.Rng. — E/W County — WICHITA, K@ocket No. — E/W
ansas 67202, within 120 days of the spud date, recompletion, wo nformation on side two of this form will be held confidential for a p	od with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, rkover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Deriod of 12 months if requested in writing and submitted with the form (see rule with the form (see rule with the form).

Ir 82-3-107 for confidentiality in excess of 12 months.). One copy of <u>all wireline logs and geologist well report shall be attached with this round. One CEMENTING TICKETS MUST BE ATTACHED.</u> 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 A Carley
Title Business Analyse Date 11/2 //95
Subscribed and sworn to before me this day of
Notary Public A COLO 11 NOOL
Data Commission Expires DICOMPUT OF 1994

C Wireline Log Received C Drillers Timelog Received Distribution KCC SWD/Rep NGPA	. /	Letter of	confident	USE ONLY
Distribution	C ~ \	Nireline L	og Receiv	/ed
	c T	Drillers Ti	melog Re	ceived
	- 1		Distrib	oution
	٠ ــــــــــــــــــــــــــــــــــــ	.cc		••
KGS Plug Other ,	١	(GS	. Plug	Other _ ,
(Specify)				(Specify)

Operator Name	Amoco Pr	roduction Compa	Lease No.	ame	Vernon G. I Kearny	Kropp GU We	# <u>3HI</u>
Sec. <u>16</u> Tw	p. <u>24</u> Rg	e. 37 East					
and closed, flowing a	nd shut-in pressur		essure reached stat	ic level, hydro	ostatic pressures,		al tested, time tool open perature, fluid recovery,
Drill Stem Tests Take (Attach Additions		Yes X No	⊠ Log) Form	ation (Top), Dept	h and Datums	Sample
Samples Sent to Geo	logical Survey	Yes X No					
Cores Taken		Yes X No	Name		То	op Datu	ım
Electric Log Run (Submit Copy.)	X	Yes No	Chase Counci	1 Grove		522 76 808 47	
List All E. Logs Run: MSFL LOG			1				
		CASING RECO	X New	Used		· · ·	
 	·	Report all strings set	-conductor, surface	, intermediate	e, production, etc.	1	· .
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#	721	Class'C'	350	
Production	7-7/8"	5-1/2"	15.5#	2860	Class'C'	550	
-	<u></u>	ADDITIO	! NAL CEMENTING/S	! SQUEEZE REC	ORD	l	<u>i</u>
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Туре апс	l Percent Additiv	es .
Shots Per Foot	•	N RECORD - Bridge Plootage of Each Interval			Acid, Fracture, St	•	eeze Record Depth
2	2810-281	L8 ·		Acidiz	e 2/750 Gal	of 20%	2810-2818
4	2726-276	52, 2672-2714,	2634-2654	HLC Ac	id		
4	2578-260	·		Frac 2	/228920# 10,	/20 sand	2578-2762
TUBING RECORD	CIBP @	2806 KCC 974 Set At	Packer At	& 5294 Liner Run	8 Borate ge		
Date of First,Resumed	N/A Production,SWD	or Inj Producing Me	thod				7 00 (51-1-)
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wate		·	Gas Lift Gas-Oil Ratio	Other (Explain) Gravity
Disposition of Gas:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	METHOD OF COMP	LETION	1 11		Production Interval
Vented X Sold		ase Open H		Dual	ly Comp. X	Commingled	2578 - 2578

שוטב ו אוט

ORIGINAL

DRILLERS LOG

API#15-093-21269-0000

AMOCO PRODUCTION COMPANY VERNON C. KROPP GU NO. 3 HI SECTION 16-T24S-R37W KEARNY COUNTY, KANSAS

COMMENCED: 07-28-93

COMPLETED: 07-31-93

SURFACE CASING: 721' OF 8 5/8" OMTD W/200 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- 745	
RED BED	745- 878	
RED BED & ANHYDRITE	878-1970	
LIME & SHALE	1970-2497	
SHALE & LIME	2497-2860	RTD

RECEIVED KANSAS CORPORATION COMMISSION

NOV 2 9 1993

CONSERVATION DIVISION WICHITA, KS

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

CHEYENNE DRILLING, INC.

STATE OF KANSAS :ss:

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

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

Becky J. Whatstone

BECKY J. WHETSTONE, NOTARY PUBLIC

HALLIBURTON ENERGY SERVICES

15-093-21269-0000

PAGE NO.

7-JOB LOG FORM 2013 R-3 JOB TYPE WELL NO. HI PRESSURE(PSI)
TUBING CASING CHART NO. VOLUME (BBL) (GAL) PUMPS TIME DESCRIPTION OF OPERATION AND MATERIALS 0200 0700 0545 64 200 84 FLOST Held Hert Je Cement BPM RECEIVED KANSAS CORPORATION COMMISSION CONSERVATION DIVISION WICHITA, KS

JOB DIVISION	N
HALLIBURTON SUMMARY HALLIBURTON LOCATION	N Liscolks ODIOINI ABILLED ON 507187
W W	VELL DATA
LD	14 RNG 37W COUNTY ROPELL STATE
	NEW WEIGHT SIZE FROM TO MAXIMUM PS ALLOWABLE
RMATION NAME TYPE	CASING SUPERIOR CASING SUPERIO
RMATION THICKNESS FROM TO	LINER
TIAL PROD: OIL BPD. WATER BPD. GAS MCFI	TUBING
RESENT PROD: OIL BPD. WATER BPD. GAS MCFL	OPEN HOLE 77/ 2 /// SHOTS/FT.
OMPLETION DATE MUD TYPE MUD WT	PERFORATIONS
ACKER TYPE SET AT	PERFORATIONS
OTTOM HOLE TEMP PRESSURE TOTAL DEPTH TOTAL DEPTH	PERFORATIONS
	B DATA
TOOLS AND ACCESSORIES	CALLED OUT ON LOCATION JOB STARTED JOB COMPLETED
TYPE AND SIZE 5/2 QTY. MAKE	DATE 7-3/ DATE 7-3/ DATE 7-3/ DATE
DALCOLLAR THAT FLOT I HOVER	TIME (200) TIME (5145) TIME (1010) TIME 1140
OAT SHOE	PERSONNEL AND SERVICE UNITS
UIDE SHOE	NAME UNIT NO. & TYPE LOCATION
ENTRALIZERS 5	Davis HOUTS Light
OTTOM PLUG	59179
OP PLUG	N. Dicholas 4903/
EAD	41525 1948 1
ACKER	KMysies 3/25/ Hote
THER HOUSE WELLA 143	59018 7507 7507
MATERIALS	WThomas 4461/
REAT. FLUID DENSITY LB/GALA	FS951 /17314 1
SPL. FLUID DENSITY LB/GALA	NPI
ROP. TYPE LB	
ROP. TYPE SIZE LB	
CID TYPE	
CID TYPE	
CID TYPE	
URFACTANT TYPE GAL IN	_ DEPARTMENT_CONCUT_
E AGENT TYPE GAL IN	DESCRIPTION OF JOB
LUID LOSS ADD. TYPE GALLB IN	
ELLING AGENT TYPE GALLB IN	
RIC. RED. AGENT TYPE GALLB IN	JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
REAKER TYPE GALLB IN	JOB DONE THRU: TUBING CASING ANNULUS 186./ANN.
LOCKING AGENT TYPE GALLB	CUSTOMER X SOME SUMMER (4) 201
ERFPAC BALLS TYPE QTY.	REPRESENTATIVE
THER	HALLIBURTON COPIES
THERCEME	ENT DATA REQUESTED
	ADDITIVES YIELD MIXED
NUMBER CENTRAL BRAND BULK	
NUMBER	CU.FT./SK. LBS./GAL.
STAGE NUMBER CEMENT BRAND BULK	1372 159 Set 1/4 # Fleet 2 15 12 6
STACE NUMBER CEMENT BRAND BULK	1372 15% SIT 11. # Florel 2 15 126
STACE NUMBER CEMENT BRAND BULK	1322 15% Salt 114# Florel 2 15 126 12 18 CC-68 Habel 322 15% Salt 14.8
STACE NUMBER CEMENT BRAND BULK	13.12 15/6 Salt 1/4# FAccale 2.15 12.6 12.176 CC-676 Habel 322 15/6 SALT 58 14.8
STAGE NUMBER OF SACKS CEMENT BRAND BULK SACKED	1322 15% Salt 114# Flocale 2.15 126 12176 CC-6% How 1322 15% Salt 158 14.8
STAGE NUMBER OF SACKS CEMENT BRAND BULK SACKED	1322 156 Selt 114 Fleete 215 126 1217 CC-68 How 322 156 Sel 158 14.8 MMARY VOLUMES
PRESSURES IN PSI RCULATING DISPLACEMENT DISPLACEMENT BRAND BULK SACKED SUM SACKED SUM SACKED BULK SACKED SUM SACKED SUM DISPLACEMENT	MMARY VOLUMES CU.FT./SK. LBS./GAL. CU.FT./SK. LBS./GAL. CU.FT./SK. LBS./GAL. CU.FT./SK. LBS./GAL.
PRESSURES IN PSI PRESSURES IN PSI PRESSUREMENT DISPLACEMENT MAXIMUM PRESSUREMENT PRESSUREMENT MAXIMUM PRESSUREMENT MAXIMUM PRESSUREMENT PRESSUREMENT MAXIMUM PRESSUREMENT PRESSU	MMARY VOLUMES PRESLUSH-BBL-GAL. PAD: BBL-GAL. PAD: BBL-GAL.
STAGE NUMBER OF SACKS CEMENT BRAND BULK SACKED PRESSURES IN PSI SUN IRCULATING DISPLACEMENT REAKDOWN MAXIMUM FRACTURE GRADIENT KANSAS CORP	MMARY VOLUMES PRESLUSH: BBLGAL. POPALATMENT: BBLGAL. DISPL: BBLGAL. DISPL: BBLGAL. DISPL: BBLGAL.
PRESSURES IN PSI PREAKDOWN MAXIMUM PREAKDOWN MAXIMUM FRACTURE GRADIENT SHUT-IN: INSTANT 5-MIN 15-MIN BRAND BULK SACKED BULK SACKED SUM SACKED FRACTURE GRADIENT KANSAS CORP	MMARY PRESLUSH-BBL-GAL. POPAEATMENT-BBL-GAL. CEMENT SLURRY: BBLGAL. COUNTY: BBLGAL.
PRESSURES IN PSI PRESSURES IN	MMARY VOLUMES PRESLUSH BBL -GAL. POPLARAMENT BBL -GAL. CEMENT SLURRY: BBL -GAL. TOTAL VOLOME: BBL -GAL. TOTAL VOLOME: BBL -GAL. TOTAL VOLOME: BBL -GAL.
PRESSURES IN PSI PREAKDOWN MAXIMUM PREAKDOWN MAXIMUM MAXIMUM FRACTURE GRADIENT HYDRAULIC HORSEPOWER AVAILABLE USED NO	MMARY PRESLUSH-BBL-GAL. POPAEATMENT-BBL-GAL. CEMENT SLURRY: BBLGAL. COUNTY: BBLGAL.
PRESSURES IN PSI PRESSURES IN PSI DISPLACEMENT DISPLACE	MMARY PRESLUSH BBL -GAL. CEMENT SLURRY: BBL -GAL. CEMENT SLURRY: BBL -GAL. RAMARKS CU.FT./SK. LBS./GAL. 7/4 8 CU.FT./SK. LBS./GAL. 7/4 8 PAD: BBL -GAL. DISPL: BBL -GAL. RAMARKS
PRESSURES IN PSI PRESSURES IN PSI PREAKDOWN MAXIMUM PREAKDOWN MAXIMUM PREAKCOUR FRACTURE GRADIENT HYDRAULIC HORSEPOWER AVAILABLE USED NO	MMARY PRESLUSH BBL -GAL. CEMENT SLURRY: BBL -GAL. CEMENT SLURRY: BBL -GAL. RAMARKS CU.FT./SK. LBS./GAL. 7/4 8 CU.FT./SK. LBS./GAL. 7/4 8 PAD: BBL -GAL. DISPL: BBL -GAL. RAMARKS
PRESSURES IN PSI PRESSURES IN PSI PREAKDOWN MAXIMUM PREAKDOWN MAXIMUM PREACTURE GRADIENT HYDRAULIC HORSEPOWER AVAILABLE AVERAGE RATES IN BPM REATING DISPL. OVERALL CONSERVATION OVERALL OVERALL	MMARY PRESLUSH BBL -GAL. CEMENT SLURRY: BBL -GAL. CEMENT SLURRY: BBL -GAL. RAMARKS CU.FT./SK. LBS./GAL. 7/4 8 CU.FT./SK. LBS./GAL. 7/4 8 PAD: BBL -GAL. DISPL: BBL -GAL. RAMARKS

CUSTOMER



TICKET CONTINUATION

CUSTOMER

15-093-21269-0000

COPY

TICKET

DATE

No. 507/87

PAGE

9515.71

CONTINUATION TOTAL

Vernon G. Kropp Chevenne Drlg. (Amoco) FORM 1911 R-8 07-31-93 UNIT PRICE SECONDARY REFERENCE/ **ACCOUNTING** TIME DESCRIPTION AMOUNT REFERENCE PART NUMBER PRICE LOC ACCT DF QTY. U/M QTY. | U/M 504-050 516,00265 Premium Plus Cement 100 8 95 895 100 Halliburton Light Cement 504-120 450. sk 8 05 3622 | 50 504-050 516,00265 506-105 516,00286 506-121 516,00259 507-210 Flocele 2#W/ 550 890.50071 138. lb 193 .6%W/ 550 2007 1 90 507-775 516.00144 HaladO322 29111b 61 90 EA-2 10%W/ 100 9 sk 186 | 30 508-127 890,50131 20, 70 28 25 Calcium Chloride 1%W/ 100 509 406 890.50812 Granulated Salt 15%W/ 550 970 145 516.00315 509-968 7465, 1b NOISSI ON 188 ATI APO W 33 E S 5 NSA SERVICE CHARGE CUBIC FEET 500-207 680 1 25 850 1 00 TOTAL WEIGHT LOADED MILES TON MILES MILEAGE 500-306 59,773 30 896.595 85

FORM 1906 R-12	ALLIBURTON IERGY SERVICES	CHARGE TO: ADDRESS CITY, STATE, 2		Peduction		No 15-093-21269-80	PAGE	r 187 - X
SERVICE LOCATIONS 1. 255/40 2. 25535 3. 4. REFERRAL LOCATION	TICKET TYPE IN SERVICE X SALES WELL TYPE	ITROGEN CONTE	L CATEGORY	RIG NAME/NO.	STATE SHIPPE VIA	D DELIVERED TO WELL PERMIT NO.	DATE OW	ner Prool
PRICE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING	G TIME	DESCRIPTION		QTY. U/M QTY. U/	UNIT PRICE	AMOUNT
00-117		I ACCI		MILEAGE		30 miles 1	7 75	82 50
001-016				Prochorage		2860 FT		1225
030-018		i		5w Top Piz		1 Enl	600	60
-12 A	825-205		1	Guide shae		1 Ext 51/2	17100	17.19
24A	815-19251			TyserT MOST	一样。	11/	1 1100	1100
2.7	8K- 19311	i	9.3	Fillin		1////	55%	55
40	807-93022	1		Centralizers		5/ /	4416	2200
_350	890-10812	1		Howco weld A	Ď.	1/10/	1450	145
				5	S. S			
				3	\$ \$	\$		
and agrees t	MS: Customer hereby a to the terms and condi- pereof which include, but a	itions on the	HE (1903) 190(1), 24: 10:34	SAFETY VALVE WAS: PULLED & RETURN PULLED DEPTH	NAME AND ADDRESS OF THE OWNER, TH	PERFORMED DECIDED A	GREE PAGE TOTAL	1888 00
to, PAYMEN	NT, RELEASE, INDE		BEAN SIZE	SPACERS	WE UNDERSTOOM MET YOUR NEE OUR SERVICE V	DD AND DS? /AS	FROM CONTINUATION PAGE(S)	9515 7
CUSTOMER OR CUST X DATE SIGNED	OMER'S AGENT SIGNATURE	□ A.M.	TYPE OF EQU TUBING SIZE	***************************************	WE OPERATED AND PERFORME			11 402 7
do d	do not require IPC (Instrument Protection).	P.M.	TREE CONNE	CTION TYPE VALVE	ARE YOU SATIS	FIED WITH OUR SERVICE? YES NO	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	11, 1011
	CUSTOMER ACCEP	TANCE OF MATE	ERIALS AND	SERVICES The customer hereby		R DID NOT WISH TO RESPOND IPT of the materials and services lis	sted on this ticket.	e forest date
CUSTOMER OR CUST	OMER'S AGENT (PLEASE PRINT)	X 6 Per		NT (SIGNATURE) HALLIBURTO	6 DOL	R EMP# H	disc #	7184.34

59179

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.
- C. RELEASE AND INDEMNITY CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE MEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. WAIVER Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.
- · H. MODIFICATIONS Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 5151 San Felipe, Houston, Texas 77056.



JOB LOG FORM 2013 R-3

15-093-21269-0000
DATE PAGE NO.

JOB TYPE CUSTOMER WELL NO. LEASE TICKET NO. 307 maco RAT SurFar PRESSURE(PSI)
TUBING CASING VOLUME (BBL) (GAL) CHART NO. RATE (BPM) PUMPS **DESCRIPTION OF OPERATION AND MATERIALS** TIME 1400 1130 2000 T 100 733 150 114 35: 100 100 AVERGO E PST Tail 100 Rat To:115 RECEIVED KANSAS CORPORATION COMMISSION NOV 2 9 1993 CONSERVATION DIVISION WICHITA, KS



JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

15.093-21269-0000

WELL DATA TWP. 2/2 RNG. _ / COUNTY. WEIGHT SIZE FROM MAXIMUM PSI ALLOWABLE TO CASING 32 1145 FORMATION THICKNESS _ FROM_ TO LINER BPD. WATER___ TUBING _ BPD. WATER_ BPD. GAS_ _ MCFD OPEN HOLE SHOTS/FT. MUD WT._ PERFORATIONS PACKER TYPE _ SET AT_ PERFORATIONS BOTTOM HOLE TEMP. __ PRESSURE_ PERFORATIONS MISC. DATA _ TOTAL DEPTH _ JOB DATA CALLED OUT ON LOCATION JOB STARTED JOB COMPLETED TOOLS AND ACCESSORIES DATE 7 - 28 15 DATE TYPE AND SIZE QTY. MAKE DATE 7-28-93 DATE - 18-92 FLOAT COLLAR FLOAT SHOE PERSONNEL AND SERVICE UNITS GUIDE SHOE NAME UNIT NO. & TYPE LOCATION CENTRALIZERS BOTTOM PLUG TOP PLUG HEAD 80387 PACKER Husoton FUSTO 75505 MATERIALS LB/GAL.-API TREAT, FLUID DENSITY_ LB/GAL.-API DISPL. FLUID DENSITY_ ACID TYPE. SURFACTANT TYPE _ DEPARTMENT_ KANSAS CORPORATION COMMISSION DESCRIPTION OF JOB GAL-LB FLUID LOSS ADD. TYPE NOW B 9 1993 GAL.-LB. CASING | TBG./ANN. CONSERVATION DIVISION BLOCKING AGENT TYPE _ WICHITA, KS OTHER HALLIBURTON OPERATOR CEMENT DATA NUMBER OF SACKS BULK STAGE CEMENT BRAND ADDITIVES MEMPRUSIL PRESSURES IN PSI SUMMARY VOLUMES CIRCULATING. __ DISPLACEMENT_ PRESLUSH: BBL.-GAL. BREAKDOWN _ MAXIMUM_ LOAD & BKDN: BBL.-GAL. PAD: BBL.-GAL. TREATMENT: BBL.-GAL DISPL: BBL.-GAL. FRACTURE GRADIENT AVERAGE_ CEMENT SLURRY: BBL.-GAL HYDRAULIC HORSEPOWER RAMARKS ORDERED_ AVERAGE RATES IN BPM CEMENT LEFT IN PIPE

HI HA	ALLIBURTON ERGY SERVICES	CHARGE TO: AMOCO ADDRESS	Produ	ection		co	PY	No.			7
FORM 1906 R-12	Y	CITY, STATE, ZIP CODE				15-093-2	1269-1	0000	PAGE 1	of a	
SERVICE LOCATIONS	WELL/PROJECT N		C= 15-00	COUNTY/PARISH	STATE			DA			
2. Hugotor	TICKET TYPE NI ☑ SERVICE JO	TROGEN CONTRACTOR	生、	RIG NAME/NO.	SHIPPED			The state of the s		107	
3.	SALES WELL TYPE	NO Che yenne well categor	Y JOE	PURPOSE	TYK	WELL PERMIT NO	ראמ	W	ELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUC	OTIONS O)10							
PRICE	SECONDARY REFERENCE/	ACCOUNTING							UNIT	AMOUNT	
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	DMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AG	NO. 507371 South of the county/parish State City/offshore Location Date County Co								
Richard	schmidt	X		Bille	outes	6	4 /81			3263.10	

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.
- C. RELEASE AND INDEMNITY CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. WAIVER Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.
- H. MODIFICATIONS Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 5151 San Felipe, Houston, Texas 77056.



TICKET CONTINUATION

COPY

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No. 507771

FÖRM 1911 R-8		Cheyenne Drlg. (Amoco)				Vernon G. kropp 3H				07-28-	-93	PAGE OF		
PRICE REFERENCE	PRICE SECONDARY REFERENCE/ ACCOUNTING LOC ACCT DF TIME DESCRIPTION				DESCRIPTION	QTY.	U/M		U/M	UNIT		AMOUNT		
504-050	516,00265				Premium Plus Cem	ent	150	sk			8	95	1342	15
504-120					Halliburton Light	t Cement	200	sk	- 1		8	05	1610	10
504-050	516.00265											1		1
506-121	516.00286							1						1
506-121	516.00259			1999				1	1			-		-
507-210	890.50071				Flocele ½#W/	350	88	lb	1		1	40	123	12
509-406	890.50812				Calcium Chloride	2%W/ 350	7	sk	- 1		28	125	197	17
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500-207					SERVICE CHARGE		CUBIC FEET		370	A PER	1	125	462	1
500-306					MILEAGE CHARGE 33,188	LOADED MILES	TON MILES		497.8	2		85	423	1

x,37 = 2642.91 4159.10