

SIDE TWO

Operator Name Amoco Production Company Lease Name Christien Brent Well # 1-33

Sec. 33 Twp. 29S Rge. 40
 East
 West

County Stanton

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.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run: Microlog, High Resolution Induction, Spectral Density Dual Spaced Neutron II Log EVR, Complex Lithology Analysis

<input checked="" type="checkbox"/> Log	Formation (Top)	Depth and Datums	<input type="checkbox"/> Sample
Name		Top	Datum
Chase		2210'	KB
Council Grove		2498'	
Base Heebner		3672'	
Lansing		3725'	
Marmaton		4344'	
Cherokee		4532'	
Morrow		5051'	
Chester		5416'	
St. Genevieve		5443'	
St. Louis		5543'	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	12.25"	8.625"	28	1754'	Premium Plus Lite	525	2%CC+1/4#Flocele
					Premium Plus	150	2%CC+1/4#Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
N/A			

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A					

Date of First, Resumed Production, SWD or Inj. N/A	Producing Method	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

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

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled DRY

Other (Specify) _____

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DRILLERS LOG

AMOCO PRODUCTION COMPANY
CHRISTIEN BRENT 1-33
SECTION 33-T29S-T40W
STANTON COUNTY, KANSAS

15-187-20839

COMMENCED: 06-02-96
COMPLETED: 06-12-96

SURFACE CASING: 1754' OF 8 5/8" CMTD
W/525 SKS PREMIUM PLUS LITE + 2% CC + 1/4
#/SK FLOCELE. TAILED IN W/150 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE

FORMATION	DEPTH
SURFACE HOLE	0 - 1754
RED BED & ANHYDRITE	1754 - 2180
RED BED & CLAY	2180 - 2853
COUNCIL GROVE	2853 - 3140
LIMESTONE & SHALE	3140 - 3550
LANSING	3550 - 3775
LIMESTONE & SHALE	3775 - 4235
LANSING	4235 - 4425
LIMESTONE & SHALE	4425 - 4766
CHEROKEE	4766 - 5205
MORROW	5205 - 5365
CHESTER	5365 - 5475
GENEVIEVE	5475 - 5540
ST LOUIS	5540 - 5600
LIMESTONE & SHALE	5600 - 5710 RTD

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

CHEYENNE DRILLING, INC.



WRAY VALENTINE

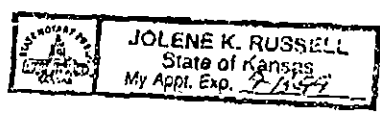
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STATE OF KANSAS : ss:

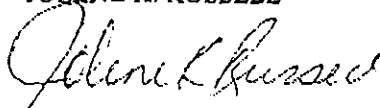
SUBSCRIBED AND SWORN TO BEFORE ME THIS 14TH DAY OF JUNE, 1996

JUL 12 1996

CONSERVATION DIVISION
WICHITA, KS



JOLENE K. RUSSELL



NOTARY PUBLIC



DATE 6-12-96 PAGE NO.

JOB LOG HAL-2013-C

CUSTOMER Amoco Prod WELL NO. 1-33 LEASE Christen Reed JOB TYPE Plg To Annular TICKET NO. 9701451

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0915							Time Called
	1010							Time Ready
	1210							Time on Loc
								CONFIDENTIAL
	1510							1 Pkg 2000 FT w/100 ^{sc} Hookup to Pump Truck
	1505	5						Start water Almond
	1507		10					Start Mixing Cement
	1512		25.46					Start Spacers Beliled
	1513		3.5					Start Disp w/mud
	1520		31.0					Start Pump
	1555							2 Pkg 1775 FT w/50 ^{sc} Speed Loss Hookup to Pump Truck
	1610							Start water Almond
	1612		10					Start Mixing Cement
	1605		12.7					Start Spacers Beliled
	1606		3					Start Disp w/mud
	1610		19.7					Start Pump
	1650							3 Pkg 600 FT w/140 ^{sc} Speed Loss Hookup to Pump Truck
	1655							Start water Almond
	1657		10					Start Mixing Cement
	1659		10.1					Start Spacers Beliled
	1700		3					Start Disp w/mud
	1702		6.2					Start Pump
	1805							4 Pkg 0-140 FT w/10 ^{sc} Speed Loss Hookup to Pump Truck
	1810							Start Mixing Cement
	1814		2.5					Start Pump
								Circulate Cement to Ground
	1815		3.5					15 ^{sc} RT Hole
	1820		2.5					10 ^{sc} Phase Hole
	1825							Washing Pumps & Lines
	1826							Final Clean

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WICHITA, KS

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Thanks For Calling Halliburton
Dennis Cooney
Cooney

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

*Mid Cont
Liberal Ks*

BILLED ON TICKET NO. *920451*

CUSTOMER
Amoco Production
LEASE
Ariston Brent
WELL NO. 1-33
JOB TYPE
DATE 6-12-96

WELL DATA

FIELD _____ SEC. *33* TWP. *29.5* RING. *40 W* COUNTY *Stanton* STATE *Ks*

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<i>78</i>	<i>8 5/8</i>	<i>GL</i>	<i>1754</i>	
LINER						
TUBING						
PERFORATIONS			<i>7 7/8</i>	<i>1754</i>		SHOTS/FT.
PERFORATIONS						
PERFORATIONS						

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JOB DATA

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>6-12</i>	DATE <i>6-12</i>	DATE <i>6-12</i>	DATE <i>6-12</i>
TIME <i>0915</i>	TIME <i>1700</i>	TIME <i>1800</i>	TIME <i>1830</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Doize</i>	<i>420041</i>	<i>Liberal Ks</i>
<i>B. Elwood</i>	<i>52938</i>	<i>"</i>
<i>L. Huchette</i>	<i>4037 / 6612</i>	<i>Horton Ks</i>
		<i>ALL</i>
		<i>JUL 9</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____
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 _____

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DEPARTMENT *Cement*
DESCRIPTION OF JOB *PTA* **CONFIDENTIAL**

JOB DONE THRU: TUBING *DP* ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE *Dennis*

HALLIBURTON OPERATOR *Dennis* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES RECEIVED KANSAS CORPORATION COMMISSION	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>225</i>	<i>60/100 Pz</i>		<i>6% Gel</i>		<i>1.43</i>	<i>13.7</i>
					<i>JUL 10 1998</i>		

CONSERVATION DIVISION

WICHITA VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. *1088* TYPE *water ahead*
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *1 310*
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. *2 19.7*
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. *3 6.2*

REMARKS

ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET *148* REASON *Pz to Annulus*

CUSTOMER



HALLIBURTON

TICKET CONTINUATION

CUSTOMER COPY
4037-6612 DM

TICKET No. 9261451

HALLIBURTON ENERGY SERVICES

CUSTOMER: Anoco Production
WELL: Christina Grent 1-33
DATE: 6-12-96
PAGE: 1 OF 1

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
					225 cu ft. 40% Pozmix 60% Cement							
504-043	516.00272				Premium Cement	135		skt		11.08	1495.80	
506-105	516.00286				Pozmix	6660		#		.072	486.16	
506-121	516.00259				Gal 2% allowed	4		skt		N/C		
507-277	516.00259				Gal 4% added	8		skt		18.60	148.80	
500-207					SERVICE CHARGE				CUBIC FEET	249	1.35	336.15
500-306					MILEAGE CHARGE				TON MILES	635.85	.95	604.06
					TOTAL WEIGHT	20311						
					LOADED MILES*	62						

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CONSERVATION DIVISION WICHITA KS

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No. B 341892

CONTINUATION TOTAL 3070.95



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Amoco Production Co
 ADDRESS:
 CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

920451 - 4

MISSION: WELL TO 1996

SERVICE LOCATIONS 1-25540 <u>Lincoln Ks</u> 2-25535 <u>Houston Ks</u>	WELL/PROJECT NO. 1-33 <u>Chapin Basin</u>	LEASE <u>Stanton</u>	COUNTY/PARISH <u>Cherokee Pl</u>	STATE <u>OK</u>	CITY/OFFSHORE LOCATION <u>Loc</u>	DATE <u>6-12-96</u>	OWNER <u>Amoco</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>Plug To Abandon</u>	WELL PERMIT NO.	WELL LOCATION <u>SE OF Johnson Ks</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>0103</u>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT.	DF		QTY.	U/M	QTY.	U/M	
000-117					MILEAGE	1888	miles	2	83	535 180
000-119					Crew Mileage	183	miles	1	50	282 160
009-019					Pump change	2900	FT			1535 160
009-027					Additional Hours	1	hour	1	235	235 40
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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

Amoco Co Rep.
 DATE SIGNED: 6/12/96 TIME SIGNED: 10:00

A.M.
 P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2587 180
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					FROM CONTINUATION PAGE(S)	3070 99
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?						
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
	WELL DEPTH	ARE YOU SATISFIED WITH OUR SERVICE?		<input type="checkbox"/> YES	<input type="checkbox"/> NO		SUB-TOTAL	
TREE CONNECTION	TYPE VALVE						APPLICABLE TAXES WILL BE ADDED ON INVOICE	
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
X	<u>Li 6102</u>	<u>Dennis</u>	<u>59179</u>	

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.

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Lynn Pelt		1-33		Thornton R. #276 Surface				149570	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1030								Temp. at Well
	1030								Temp. at Well
	1030								Temp. at Well
									Start Pumping
	1415								Original
	1415								Original
	1425								Original
	1427								Original
	1440								Original
	1445	3.9	101.5			300			Original
	1448		721			300			Original
	1452					300			Original
	1525					300			Original
	1527	5.6	106			300			Original
	1545					300			Original

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JUL 10 1996

CONSERVATION DIVISION
 WICHITA, KS

Thanks For Call
 8/11/96
 Energy
 [Signature]

M. J. Jones
Lead K

WELL DATA

FIELD: _____ SEC. *33* TWP. *29⁰⁰* RNG. *140⁰⁰* COUNTY *Stanton* STATE *K*

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		<i>28</i>	<i>8 3/4</i>	<i>1' 3"</i>	<i>1' 3 1/4"</i>	
LINER						
TUBING						
OPEN HOLE				<i>5' 1"</i>	<i>7' 3 1/4"</i>	SHOTS/FT.
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>6-3</i>	DATE <i>6-3</i>	DATE <i>6-3</i>	DATE <i>6-3</i>
TIME <i>0730</i>	TIME <i>1000</i>	TIME <i>1415</i>	TIME <i>1545</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <i>2 1/2</i>	<i>1</i>	<i>Flow</i>
FLOAT SHOE <i>2 1/2</i>	<i>1</i>	
GUIDE SHOE		
CENTRALIZERS	<i>4</i>	
BOTTOM PLUG		
TOP PLUG	<i>1</i>	
HEAD	<i>1</i>	
PACKER		
OTHER <i>the 2 collars</i>	<i>1/23</i>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Jones</i>		<i>Lead K</i>
<i>T. H. H. H.</i>	<i>2038</i>	<i>"</i>
<i>L. Van...</i>	<i>2037</i>	<i>Houston K</i>
<i>M. Lang...</i>	<i>3040</i>	<i>"</i>
		<i>KCC</i>

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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 _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

RELEASED

OCT 6 1998

FROM CONFIDENTIAL

DEPARTMENT: *Contract*

DESCRIPTION OF JOB: *Oil Service*

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: *[Signature]*

HALLIBURTON OPERATOR: *[Signature]* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>225</i>	<i>Blawie</i>	<i>1100</i>	<i>2% CC 1/2" Flange</i>		<i>2.05</i>	<i>113</i>
	<i>150</i>	<i>Blawie</i>		<i>2% CC 1/2" Flange</i>		<i>1.77</i>	<i>118</i>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: BBL. GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL. GAL. _____ PAD: BBL. GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL. GAL. _____ DISPL: BBL. GAL. *110*
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL. GAL. *221.94*
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL. GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET: *416³* REASON: *Flow & break*

CUSTOMER: _____ LEASE: _____ WELL NO.: _____ JOB TYPE: _____ DATE: *6-3-98*



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: <i>Amoco Production</i>
ADDRESS:
CITY, STATE, ZIP CODE:

DUNCAN COPY

TICKET

No. **919520** : 8

PAGE OF

SERVICE LOCATIONS <i>25540 LIBERAL KS</i> <i>25535 Hightank</i>	WELL/PROJECT NO. <i>1-33</i>	LEASE <i>Christian Brent</i>	COUNTY/PARISH <i>Stanton</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>6-3-96</i>	OWNER <i>Amoco Prod.</i>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR: <i>Chapman Del</i>	RIG NAME/NO. <i>7</i>	SHIPPED VIA	DELIVERED TO <i>Loc</i>	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <i>8 5/8 SURFACE</i>	WELL PERMIT NO.	WELL LOCATION <i>SE of Johnson</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>0103</i>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	150	Miles			2.85	427.50
000-119		1			Green Mileage	150	Miles			1.50	225.00
001-016		1			Pump Charge	1754	FT				1320.00
030-018		1			5w Top Plug	1	Fwd	8 5/8		130.00	130.00
24 A	815-19501	1			Tasent Float	1	Fwd	8 5/8		182.00	182.00
27	815-19415	1			F.U.s	1				64.00	64.00
41	806-61048	1			Centrifuges	4				61.00	244.00
350	890-10802	1			Hawco weld A	1	M3			16.75	16.75

RELEASED BY CORPORATION COMMISSION
 OCT 6 1996
 FROM CONFIDENTIAL
 CONFIDENTIAL DIVISION
 WIC-INTL-26
 JUL 9 1996

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to: PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.		SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input checked="" type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY			AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2609 25
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS		TYPE LOCK		DEPTH		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			FROM CONTINUATION PAGE(S)		10709 30
DATE SIGNED <i>Looney Levell</i>		TUBING SIZE		TUBING PRESSURE		WELL DEPTH		OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TIME SIGNED		TREE CONNECTION		TYPE VALVE		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE		
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered						ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			CUSTOMER DID NOT WISH TO RESPOND		

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
X	<i>Li 0102 Dennis Coe</i>	<i>Dennis Coe</i>	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 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.