

ORIGINAL

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

Operator: License # 5952

Name: Amoco Production Company

Address PO Box 800 Room 924

City/State/Zip Denver, CO 80201

Purchaser: Williams Natural Gas

Operator Contact Person: Susan R. Potts

Phone (303) 830-5323

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: N/A

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3/14/96 3/18/96 4/16/96
Spud Date Date Reached TD Completion Date

API NO. 15- 055-21474-0000

County Finney

 - NW - SE - SE Sec. 11 Twp. 24S Rge. 32 X E W

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 Russell Gas Unit /D/ Well # 2HI

Field Name Hugoton

Producing Formation Chase + GLORIETTA

Elevation: Ground 2896.78' KB 2903'

Total Depth 2760' PBTB 2758.5'

Amount of Surface Pipe Set and Cemented at 1227 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 ALT 1 876 11-5-96
(Data must be collected from the Reserve Pit)

Chloride content 63,000 ppm Fluid volume 500 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. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 and correct to the best of my knowledge.

Signature Susan R. Potts

Title Senior Staff Assistant Date 6/13/96

Subscribed and sworn to before me this 13th day of June, 19 96.

Notary Public Shirley J Holmes

Date Commission Expires 3/23/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

RECEIVED
KANSAS CORPORATION COMMISSION

Form ACO-1 (7-91)

JUN 14 1996 6-14-96

CONSERVATION DIVISION
WICHITA, KS

Operator Name Amoco Production Company Lease Name Russell Gas Unit /D/ Well # 2HI

Sec. 11 Twp. 24S Rge. 32 East County Finney
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run: R.A. Tracer, Gamma

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 Ogallala Base 1005' KB
 Chase Top 2597'
 Council Grove 2893'

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	1227'	Premium Plus Lite	400	2%CC+1/4#Flocele
Production	7.875"	4.5"	10.5	2760'	Premium Plus	150	2%CC+1/4#Flocele
					Premium Plus	100	2%CC
Sidestring Disposal		1.25" Coil Tubing		1557'	Banded to Production Casing and cement was brought back to surface.		

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
2	2634-2654'; 2664-2674'; 2693-2703'	FRAC w/ 39,225 lbs of 12/20 sand and 382 bbls. of foam.	2600-2760'
		Acidize w/24 bbls. of 10% HCL -Glorietta 1436-1490' zone through sidestring.	

TUBING RECORD Size 2.375" 4.7# J-55 EUE T&C Set At 2707' Packer At 2707' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. First Gas 4/19/96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas 50 MCFD Mcf Water Bbls. Gas-Oil Ratio Gravity 30 BWPD-Disposed down sidestring into Glorietta.

Disposition of Gas: METHOD OF COMPLETION Production Interval + DISPOSAL INTERVAL
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2634-2703'
 (If vented, submit ACO-18.) Other (Specify) OPEN HOLE IN GLORIETTA 1436'-1490'

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
RUSSELL GU "D" NO 2 HI
SECTION 11-T24S-R32W
FINNEY COUNTY, KANSAS

15-055-21474-0000

COMMENCED: 03-14-96
COMPLETED: 03-18-96

SURFACE CASING: 1227' OF 8 5/8" CMTD
W/400 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

FORMATION	DEPTH
SURFACE HOLE	0 - 1227
RED BED	1227 - 1455
GLORIETTA	1455 - 1628
RED BED	1628 - 2130
RED BED & SHALE	2130 - 2598
RED BED	2598 - 2760 RTD

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

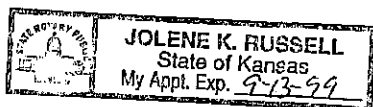
STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25TH DAY OF MARCH, 1996

JOLENE K. RUSSELL

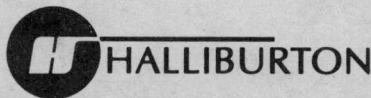
NOTARY PUBLIC

KANSAS CORPORATION COMMISSION



JUN 14 1996

CONSERVATION DIVISION
WICHITA, KS



3-14-96

JOB LOG HAL-2013-C

CUSTOMER: Amoco Pool WELL NO.: 2 HE LEASE: Russell GU JOB TYPE: 8 1/2 Surface TICKET NO.: 921501

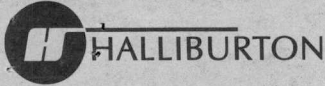
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	17800							Time Collected (From another loc)
	2210							Time Ready w Amoco.
	2145							Time outed.
	0215							ORIGINAL Start Pump Casing
	0400							Casing in Hble
	0404							Hookup Head + Manifold.
	0415							Hookup To Pump Truck
	0418		5			700		Start Spacers Ahead Pump Ball Thru
	0422	5				1400		Start Mixing Cement NO CIRC
	0453		146.04			300		Start Tail Cement
	0457		35.26			350		Finish Mixing Cement
	0458		181.30			350		Shut Down Drop Plug
	0459	5				75		Start Displacement
		3.5	74.19					WASH Pumps + Lines
	0519					400		Plug Down
								HOOT DID NOT HOLD.
	0530							No Circulation AT ALL + No Cement order Cement 1400 SK Prem Plg w 2 1/2" c
	0930							Cement on loc wait To Move Pipe Trck.
	1005							Run 1" in Hble
	1025							Hookup To Pump Truck
	1028	2.						Start Mixing Cement w 100 SK
	1041		23.56					Finish Mix Cement + Circulate Cement To Bl
	1042							Shut Down
	1045							Pull 1" out of Hble
	1050							Washup Pumps + Lines
	1100							Finish w c/b.

RECEIVED KANSAS CORPORATION COMMISSION

JUN 14 1996

CONSERVATION DIVISION WICHITA KS

Thanks For Calling Halliburton Energy Davis Gove + Co. CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Court
Liberal Ks

15-055-21474-0000

BILLED ON TICKET NO. 921501

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Finney 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		28#	8 5/8	KB	1227	
LINER						
TUBING						
OPEN HOLE			12 1/4 GL		1227	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert Float 28"</u>	<u>1</u>	<u>Hanco</u>
FLOAT SHOE <u>Fishup</u>		
GUIDE SHOE		
CENTRALIZERS	<u>4</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER		
OTHER <u>Hanco weld</u>	<u>1/13</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-14</u>	DATE <u>3-14</u>	DATE <u>3-15</u>	DATE <u>3-15</u>
TIME <u>1800</u>	TIME <u>2145</u>	TIME <u>0400</u>	TIME <u>1100</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Oliver</u>	<u>420041</u>	<u>Liberal Ks</u>
<u>S. Reeves</u>	<u>52276 / 75031</u>	<u>"</u>
<u>Clay</u>	<u>4161 / 75585</u>	<u>Hugoton Ks</u>
<u>M. Longworth</u>	<u>50866 / 75117</u>	<u>"</u>
<u>D. Compton</u>	<u>41155 / 7676</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB 8 5/8 SURFACE

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Dennis Gore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>400</u>	<u>Prem Plus</u>	<u>KTWT</u>	<u>2%CC</u>	<u>1/4 # Flocc</u>	<u>2.05</u>	<u>12.3</u>
	<u>150</u>	<u>Prem Plus</u>		<u>2%CC</u>	<u>1/4 # Flocc</u>	<u>1.32</u>	<u>14.8</u>
<u>Top Off</u>	<u>100</u>	<u>Prem Plus</u>		<u>2%CC</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 _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 38 REASON Shoe Joint

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 5.132 Rod Spool Prep Bull Thrud

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 74.19

CEMENT SLURRY: BBL.-GAL. 181.30 / 23.50

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER: Anaco Production
LEASE: Russell Gu'D
WELL NO: 24
JOB TYPE: 8 5/8 SURFACE
DATE: 3-14-96



15-055-21474-0000

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 921501

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Amoco Production Company	WELL Well G.U. "D" 42HI	DATE 03-15-96	PAGE 1	OF 1
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-050	516.00265				Premium plus Cement	100		sk		12.62	1262.00
509-406	890.50812				Calcium Chloride 28% 200 lb on side	73		sk		35.75	2610.25
019-200					1" Pipe (100 ft MIN.)	140		ft		1.25	175.00
ORIGINAL											
500-306					Mileage Return	200		sk	9.14 tons	79	105.147
500-225					Service Charge	200		sk	20%	504	100800
500-306					Mileage Return	100		sk	4.7 tons	79	352.73
500-225					Service Charge	100		sk	20%	12.62	1262.00
500-207					SERVICE CHARGE				CUBIC FEET 408	1.35	550.80
500-306					MILEAGE CHARGE				TOTAL WEIGHT 38,240		
					LOADED MILES				79		
					TON MILES				1510.48	95	1434.96

1/MS...
 4/11/96
 8661
 DIVISION DIVISION
 WIR. INT. KS

105.147
 504.80

Handwritten initials

No. B 219949

CONTINUATION TOTAL

3976.39



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: *Amoco Production*

ADDRESS: *Amoco Production*

CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No. **921501 - 9**

15-055-21474-0000

PAGE 1 OF 1

SERVICE LOCATIONS 125540 <i>Lisak K</i>	WELL/PROJECT NO. 2 NI <i>Russell</i>	LEASE <i>GU'D</i>	COUNTY/PARISH <i>Finn</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE 3-14-96	OWNER <i>Amoco</i>
225535 <i>Hogston K</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Raymond</i>	RIG NAME/NO. <i>Raymond 8</i>	SHIPPED VIA <i>Loc</i>	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <i>8 3/8 SURFACE</i>	WELL PERMIT NO.	WELL LOCATION <i>E. OF Garden City</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>0203</i>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
600-117	ORIGINAL				MILEAGE	140	mi	2	85	399.00
600-119					<i>Cross Mileage</i>	140	mi	1	50	210.00
081-016					<i>Pump charge</i>	122.7	FT			1145.00
030-018					<i>Sub Top 4 3/8</i>	1	Equl	8 3/8	130.00	130.00
24A	815-19501				<i>Insect Float</i>	1	Equl	8 3/8	182.00	182.00
27	815-19415				<i>Fillup</i>	1			64.00	64.00
41	806-61048				<i>Centralizers</i>	4			61.00	244.00
350	896-10802				<i>Houco weld A</i>	1	WB		16.75	16.75
					<i>Add. Trench Hoses</i>	6	Hoses		235.00	1410.00

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

X *Sam Cozack* *Amoco*
DATE SIGNED TIME SIGNED

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?			
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 3900.75
FROM CONTINUATION PAGE(S) 9665.42 3976.39
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

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) <i>X</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER <i>Dennis</i> EMP # <i>59179</i>	HALLIBURTON APPROVAL
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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.

WELL DATA

FIELD Hogston SEC. 11 TWP. 24 RNG. 32W COUNTY FINNEY STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		N	10.5	4 1/2	KB	27652	
LINER							
TUBING							
OPEN HOLE				7 7/8	GL	2760	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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		H
FLOAT SHOE <i>SSII</i>	1	O
GUIDE SHOE		W
CENTRALIZERS <i>S-4</i>	6	C
BOTTOM PLUG <i>FLUID MASTER</i>	8	H O
TOP PLUG <i>5 WELPER</i>	1	O W
HEAD <i>GPC</i>	1	C
PACKER		O
OTHER <i>WELD N</i>	1	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>3-17-96</i>	DATE <i>3-17-96</i>	DATE <i>3-18-96</i>	DATE <i>3-18-96</i>
TIME <i>14:00</i>	TIME <i>18:00</i>	TIME <i>00:25</i>	TIME <i>01:30</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Elwood</i>	<i>420041</i>	<i>LIBERTY KS</i>
<i>D. Macomber</i>	<i>50076</i>	<i>"</i>
<i>D. Macomber</i>	<i>75051 (P)</i>	<i>"</i>
<i>D. CORPENING</i>	<i>?</i>	<i>Hogston KS</i>
<i>J. ADLER</i>	<i>50266</i>	<i>"</i>
	<i>75505</i>	<i>"</i>

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 *5001 Coit*
 DESCRIPTION OF JOB *4 1/2 LS + 1 1/2 SILESTRING*

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

CUSTOMER REPRESENTATIVE **X** *SAM CARMACK*

HALLIBURTON OPERATOR *ROBERT ELWOOD* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>500</i>	<i>PT</i>		<i>G</i>	<i>1/2 1/2 1/2 Floccs</i>	<i>2.03</i>	<i>12.3</i>

RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 14 1996

PRESSURES IN PSI

SUMMARY

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET *0"* REASON _____

CONSERVATION DIVISION VOLUMES
 WICHITA, KS

PRESLUSH: BBL.-GAL. _____ TYPE *H30*
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *43.9*
 CEMENT SLURRY: BBL.-GAL. *120.7*
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

*M.S.D.S. Given to Company Man
 Reg. on Coit - 260
 Pumped 50 Gal @ 60# Above of Day*

CUSTOMER
 LEASE
 WELL NO.
 JOB TYPE
 DATE



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

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

CUSTOMER COPY

15-055-21474-0000

TICKET

No.

920036 - 7

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>COSS 508 LEGON 1</u>	WELL/PROJECT NO. 2. <u>HIT</u>	LEASE <u>Russell "D" 60</u>	COUNTY/PARISH <u>Fresno</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>3-17-86</u>	OWNER <u>SAME</u>
2. <u>COSS 535 Mico 1</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CHEVENE</u>	RIG NAME/NO. <u>8</u>	SHIPPED VIA <u>Hes</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4. <u>1</u>	<u>02</u>	<u>01</u>	<u>035</u>				
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
000-117					MILEAGE	1	146	1	2.85	416.10
000-119					CREW MILEAGE	1	146	1	1.50	219.00
001-016					PUMP CHARGE	1	2765	1		1455.00
030-018					5 WELPER TOP PLY	4	15	1		55.00
001-018					ADDITIONAL HOUR	1	2	1	235.00	470.00
5A	837-00300				SS II FLOAT SITOL	4	1	1		200.00
46	806-60004				REG CENTRALIZERS	4	6	1	50.00	300.00
50	806-60104				FLOW MASTER CENTRALIZERS	4	2	1	100.00	420.00
350	890-10802				HOWCO WELD-A	1	1	1		16.75
310-964					W.G. 31	1	50	1	4.40	220.00
311-086					OPTIFLO H.T.E.	1	2	1	65.00	130.00
311-080					OPTIFLO II	1	2	1	18.00	36.00

ORIGINAL

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 3997.85
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?				SUB-TOTAL 12945.88
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
DATE SIGNED	TIME SIGNED	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.		ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		TREE CONNECTION	TYPE VALVE		<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) <u>Sam Cosmow</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u>	HALLIBURTON OPERATOR/ENGINEER <u>ROBERT ELWOOD</u>	EMP # <u>04360</u>	HALLIBURTON APPROVAL
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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.

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