

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

API NO. 15- 175-21519-0000 ORIGINAL

County Seward

SW - NE - SE Sec. 27 Twp. 32S Rge. 33 X W

1625 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 Lemert Gas Unit /B/ Well # 2HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2664.49' KB 2671'

Total Depth 2650' PBDT 2648.5'

Amount of Surface Pipe Set and Cemented at 546 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cnt.

Drilling Fluid Management Plan Alt I 6-3-96  
(Data must be collected from the Reserve Pit)

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

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

X 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 \_\_\_\_\_ PBDT  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

1/17/96 1/20/96 2/14/96  
Spud Date Date Reached TD Completion Date

Fluoride content 33,000 ppm Fluid volume 875 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 3/4/96

Subscribed and sworn to before me this 4th day of March, 19 96.

Notary Public Dina R. Harris

Date Commission Expires 11-10-96

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)

**SIDE TWO**

Operator Name Amoco Production Company Lease Name Lemert Gas Unit /B/ Well # 2H1

Sec. 27 Twp. 32S Rge. 33  East  West  
 County Seward

**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.)

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 Ogallala Base 296' KB  
 Chase Top 2411'  
 Council Grove 2742'

List All E.Logs Run: Compensated Spectral Natural Gamma Ray, High Resolution Induction, Spectral Density Dual Spaced Neutron, Gamma Ray

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"	20	546'	Premium Plus Lite	120	2%CC+1/4#Flocele
Production	7.875"	4.5"	10.5'	2650'	Premium Plus Lite	535	2%CC+1/4#Flocele 1/4# Flocele
Sidestring Disposal		1.25" Coil tubing-		1050'	Banded to production casing and cement is brought back to surface. 7 bbls. of gel pumped down to expose Glorietta.		

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	2540-2554'; 2486-2498'; 2444-2454'; 2408-2418'	FRAC w/ 41,500 lbs 12/20 sand and 503 bbls. 70% foam	2408-2554'

<b>TUBING RECORD</b>	Size Set At 2.375" 4.7# J-55 EUE T&C 2552'	Packer At 2552'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. First Gas 2/16/96	Producing Method <input checked="" 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 90 MCFD Mcf	Water Bbls. Gas-Oil Ratio Gravity 20 BWPD-water is disposed down coil tubing into Glorietta

Disposition of Gas: **METHOD OF COMPLETION**  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled 2408-2554'  
 Other (Specify) \_\_\_\_\_

ORIGINAL

15-175-21519

AMOCO PRODUCTION COMPANY  
LEMERT GU "B"  
SECTION 27-T32S-R33W  
SEWARD COUNTY, KANSAS

COMMENCED: 01-17-96  
COMPLETED: 01-20-96

SURFACE CASING: ~~546 OF 8 5/8" CMFD~~  
~~W/120 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 - 546
RED BED	546 - 951
GLORIETTA	951 - 1109
RED BED	1109 - 2140
SHALE & LIMESTONE	2140 - 2650 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 23RD DAY OF JANUARY, 1996.

JOLENE K. RUSSELL

NOTARY PUBLIC



RECEIVED  
KANSAS CORPORATION COMMISSION

MAR 05 1996

CONSERVATION DIVISION  
WICHITA, KS



JOE LEE HAL-2013-C

DATE 1-17-95 PAGE NO.

CUSTOMER Arizona Prod. WELL NO. 011" B" 241 LEASE L. Ement JOB TYPE OIS (10 SP) TICKET NO. 919653

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							Called out from Johnston - Requested "Wau"
	1530							Dr. Lee - Drilling
	1730							Rig-up - Safety Meeting
	1920							Run asg
	1940							On Bottom - Hook-up to ant.
	1942	0-6	44			10/200		Pump lead ant.
		6	35			200		Pump tail ant.
	1955	6-0				200		Shot down - Deep plug
	1957	0-6	32			10/250		Pump lead
	2002	6-3				250		Reduce rate
	2003	3-0				125/250		Plug Down
	2003					185/0		Release pres - Float held

~~Comment to ...~~

Approx 20 bbls or 55 sks

Thank you!

Tom, DANNY, RON

RECEIVED KANSAS CORPORATION COMMISSION

MAR 05 1996

CONSERVATION DIVISION WICHITA, KS

CUSTOMER



# JOB SUMMARY

HALLIBURTON DIVISION Mid Continent  
HALLIBURTON LOCATION Liberal, ks

BILLED ON TICKET NO. 919653

## WELL DATA

FIELD \_\_\_\_\_ SEC 27 TWP. 32 RNG. 33 COUNTY Seward 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	<u>W</u>		<del>2 3/4</del> <u>KB</u>			
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>1 1/2" x 11 1/2"</u>	<u>1</u>	<u>Hovco</u>
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>2-11</u>	<u>2</u>	
BOTTOM PLUG		
TOP PLUG <u>5/8"</u>	<u>1</u>	
HEAD <u>FD</u>	<u>1</u>	
PACKER		
OTHER <u>well A</u>	<u>1</u>	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-17-96</u>	DATE <u>1-17-96</u>	DATE <u>1-17-96</u>	DATE <u>1-17-96</u>
TIME <u>1530</u>	TIME <u>1530</u>	TIME <u>1942</u>	TIME <u>2003</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Tom Peyer</u>	<u>420044</u>	<u>Liberal, ks</u>
<u>Mark McNamee</u>	<u>716900</u>	<u>" "</u>
<u>Ron Hudgins</u>	<u>6612</u>	<u>Hugoton, ks</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. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT \_\_\_\_\_

DESCRIPTION OF JOB Set Cement

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Tom Peyer COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>10</u>	<u>10" H est</u>	<u>B</u>	<u>1 1/2</u>	<u>Flow, 2% ee</u>	<u>2.06</u>	<u>12.3</u>
<u>2</u>	<u>10</u>	<u>10"</u>	<u>B</u>	<u>1 1/2</u>	<u>Flow, 2% ee</u>	<u>1.32</u>	<u>14.8</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 3

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 44 + 35

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS SEE Job log

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 41.66 REASON Shut Joint

CUSTOMER Amoco Prod  
LEASE Lease # 24 B 241 WELL NO. 241 JOB TYPE 910(S.P) DATE 1-17-96



HALLIBURTON

TICKET CONTINUATION

FIELD COPY

TICKET No. 719653

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Anaco	WELL Leont	DATE 1-17-06	PAGE 7	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504050	516.00265				Premium Plus Crk.	<del>250</del>	ct			13.12	<del>3280.00</del>
504120					Premium Plus Light Crk.	<del>125</del>	ct			11.12	1394.40
504050	516.00265					78	ct				
506105	516.00266					3103	lb				
506121	516.00259					6	ct				
507210	890.50071				Flo 13-270ct	68	lb			1.65	112.20
509406	890.50312				Calcium Chloride 27-270 ct	5	ct			30.75	153.75
ORIGINAL											
500207					SERVICE CHARGE			CUBIC FEET	285	1.35	384.75
230306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		95	547.78
						15,821	45	376.60			

No. B 219621

CONTINUATION TOTAL

11455.88



JOB LOG HAL-2013-C

DATE PAGE NO.

1-20-96

CUSTOMER Amoco	WELL NO. 211	LEASE L...	JOB TYPE 035	TICKET NO. 919053
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0130							Called Out
	0140							OK OKS ORIGINAL
	0150							Start CS9
	0200							Hook up to Tubing CS9
	0210							OK OKS
	0510							CS9 down by the end of the run
	0515							Hook up to concrete
	0520							OK OKS
	0530							Hook up to CT
	0540							Hook up to CT
	0550							Start CT
	0600	7	1.5					CT down by the end of the run
	0610							OK OKS
	0620	4	2.7					Start CS9
	0630	2	5					OK OKS
	0640							Hook up to CT
	0650	1	1.2					Hook up to CT
	0700							Start CS9
	0710	2 1/2	5					Hook up to CT
	0715	3/4	2					OK OKS
	0720							Job Ended
								Thank you for call
								Halliburton Energy Services
								Ray Crist
								Have a Great Year!

CUSTOMER

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 27 TWP. 32 RNG. 33E COUNTY Saskatchewan 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	<u>N</u>	<u>10.5</u>	<u>4 1/2</u>	<u>KR</u>	<u>10.50'</u>	
LINER						
TUBING	<u>4</u>	<u>6.1</u>				
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>SSIT</u>	<u>1</u>	
GUIDE SHOE		
CENTRALIZERS <u>CR, &amp; IT</u>	<u>14</u>	
BOTTOM PLUG		
TOP PLUG <u>51</u>	<u>1</u>	
HEAD	<u>1</u>	
PACKER		
OTHER <u>Weld A</u>	<u>10</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-21-96</u>	DATE <u>1-21-96</u>	DATE <u>1-20-96</u>	DATE <u>1-21-96</u>
TIME <u>01:30</u>	TIME <u>07:40</u>	TIME <u>05:30</u>	TIME <u>07:30</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Crist</u>	<u>471042</u>	<u>6200'</u>
<u>D. T. T. T.</u>	<u>75374</u>	
<u>C. Ashley</u>		<u>11. T.</u>
<u>C. Alva</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. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT 5001

DESCRIPTION OF JOB 026

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

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR Ron Crist

COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>1</u>	<u>CIT</u>		<u>1</u>		<u>2.0</u>	<u>123</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 42

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 197

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

REMARKS 28 DLS

CUSTOMER Amoco  
 LEASE Lease  
 WELL NO. 7  
 JOB TYPE WT





TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 919653

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Amco Production	WELL Lemert G.U. "E" 2H	DATE 01-19-96	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							
504-120					Premium Plus Lite Cement					11.12	5549.20
504-050	516.00265					348	sk				
505-105	516.00266					13838	lb				
505-121	516.00259					28	sk				
507-210	890.50071				Elocele 3/4" 535	134	lb			1.65	221.10
ORIGINAL											
500-207					SERVICE CHARGE						
								CUBIC FEET	544	1.35	734.40
500-306					MILEAGE CHARGE	TOTAL WEIGHT	49472	LOADED MILES	35	TON MILES	865.76
										.95	822.47

No. B 219658

CONTINUATION TOTAL

7727.17



**HALLIBURTON**

**HALLIBURTON ENERGY SERVICES**

HAL-1906-N

CHARGE TO: Amoco Production  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

CUSTOMER COPY

TICKET

No.

919853 - 0

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Liberal</u>	WELL/PROJECT NO. <u>2 HI</u>	LEASE <u>Lemert</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>1-20-96</u>	OWNER <u>SAME</u>
2. <u>Hugoton</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>Cheyenne</u>	RIG NAME/NO. <u>8</u>	SHIPPED VIA <u>HES</u>	DELIVERED TO <u>Loc. N of Liberal</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	<u>01</u>	<u>02</u>	<u>035</u>				
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-117					MILEAGE	4/4	mi	1	2.85	125.40
001-016					Pump Charge	2661	FT	6	24.50	1455.00
5A	837-00300				SSII float shoe	4 1/2	in	1	200.00	200.00
40	806-60004				Centralizer	4 1/2	in	6	50.00	300.00
50	806-60104				Centralizer Fluid Master	4 1/2	in	8	60.00	480.00
350	890-10802				weld A	1	LB	10	16.75	167.50
030-016					TOP Plug	4 1/2	in	1	45.00	45.00
311-014					OBT, Flo II	Per	43	2	18.00	36.00
311-073					OBT, Flo E	Per	43	2	40.00	80.00
311-074					IGC - IV	Per	601	10	23.70	225.00

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.  MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  <b>X</b> DATE SIGNED _____ TIME SIGNED _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE <input type="checkbox"/>		3113 190 PAGE TOTAL FROM CONTINUATION PAGE(S) 7737 17 10571 07 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		
	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?			
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			

**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) <b>X</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>Ron Crist</b>	HALLIBURTON OPERATOR/ENGINEER <b>07603</b>	EMP #	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.