

ORIGINAL

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

API NO. 15- 129-21389-0000

County Morton

SE NW NW Sec. 1 Twp. 32S Rge. 41 X W

4030 Feet from S/N (circle one) Line of Section

4030 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 Dewell Gas Unit /B/ Well # 2HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3338.13' KB 3344'

Total Depth 2446' PBDT 2444.5'

Amount of Surface Pipe Set and Cemented at 466 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 cmt.

Drilling Fluid Management Plan ALT 1 8/1 5-7-96  
(Data must be collected from the Reserve Pit)

Chloride content 1600 ppm Fluid volume 700 bbls

Dewatering method used Dried and Filled

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter 1 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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

Oil SWD SLOW Temp. Abd.

X 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. \_\_\_\_\_

7/11/95 7/13/95 8/10/95  
Spud Date Date Reached TD Completion Date

RECEIVED

12-29-95  
DEC 29 1995

CONSERVATION DIVISION  
WICHITA, KS

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 12-28-95

Subscribed and sworn to before me this 28th day of December, 1995.

Notary Public [Signature]

Date Commission Expires January 4, 1997

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)

1670 BROADWAY  
DENVER, CO 80201

SIDE TWO

Operator Name Amoco Production Company Lease Name Dewell Gas Unit /B/ Well # 2HI

Sec. 1 Twp. 32S Rge. 41  East County Morton

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.)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Ogallala Base 394' KB  
 Chase Top 2136'  
 Council Grove 2454'

List All E.Logs Run: Compensated Spectral Natural 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	466'	MidCon3	75	3%CC+1/4#Flocele
					Premium Plus	100	2%CC+1/4#Flocele
Production	7.875"	5.5"	14	2446'	MidCon2	200	2%CC+1/4#Flocele
					Premium Plus Lite	100	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
2	2180-2200'; 2240-2260'	FRAC w/ 45,000 lbs. 12/20 sand and 149 bbls. foam.	2180-2260'

TUBING RECORD 2.375" 4.7# J-55 EUE T&C	Size Set At 2275'	Packer At 2275'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. First Gas 9/21/95	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 Mcf 350 MCFD	Water Bbls. 1 BWPD
			Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 2180-2260'

Production Interval  Other (Specify) \_\_\_\_\_

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY  
DEWELL "B" GU 2HI  
SECTION 1-T32S-R41W  
MORTON COUNTY, KANSAS

COMMENCED: 07-11-95  
COMPLETED: 07-13-95

SURFACE CASING: 466' OF 8 5/8" CMTD  
W/75 SKS MIDCON3 + 2% CC + 1/4 #/SK  
FLOCELE. TAILED IN W/ 100 SKS PREMIUM  
PLUS + 2% CC + 1/4 #/SK FLOCELE.

FORMATION	DEPTH
SURFACE HOLE	0 - 446
RED BED	446 - 1972
LIMESTONE & SHALE	1972 - 2446 RTD

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

RECEIVED  
KANSAS CORPORATION COMMISSION

CHEYENNE DRILLING, INC.

DEC 29 1995

*Wray Valentine*

CONSERVATION DIVISION  
WICHITA, KS

WRAY VALENTINE

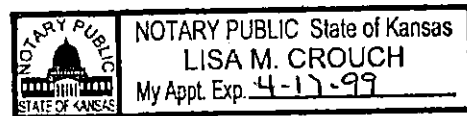
STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 14TH DAY OF JULY, 1995

LISA M. CROUCH

*Lisa M. Crouch*

NOTARY PUBLIC



**JOB LOG** HAL-2013-C

CUSTOMER <i>AMOCO PRODUCTION</i>	WELL NO. <i>2 H I</i>	LEASE <i>DEWELL G. II. A</i>	JOB TYPE <i>8 7/8 SURFACE</i>	TICKET NO. <i>707324</i>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1310							- JOB READY NOW -
	1330							called out - coming off from
	15							ANOTHER JOB -
	1545							pump truck & bulk truck on location
	1615							on location with float equip
	1630							RIG HAS BBLE OF 12 1/4 HOLE CUT ON
								BOTTOM CIRCULATING
	1700							LAY DOWN DRILL PIPE
	1730							START RUNNING 8 7/8 CSC & FLL EQUIP
	1610							CASING ON BOTTOM 366'
	1815							HOPE UP RIG & CIRCULATE WITH RIG PUMP
	1820							THROUGH CIRCULATING - HOPE UP 8 7/8 P/C
								& CIRCULATING IRON
								Hold SAFETY MEETING
								JOB PROCEDURE
	1822	6.8			✓		150'	START MIXING LEAD CMT 11.1 <sup>48</sup> GAL
	1832	6.5			✓		150'	START MIXING TAIL CMT 14.8 <sup>48</sup> GAL
	1836						0	THROUGH MIXING CEMENT - SHUT DOWN
								RELEASE PLUG
	1837	6.0			✓		100'	START DISPLACING -
								HAVE 10 BBL'S OUT - HAVE GOOD CMT RETURNS
								TO SURFACE
	1844		28.0				500'	PLUG DOWN - RELEASE IRON
								FLOAT HELD
								CIRCULATED (18 BBL'S 30.5 SK'S)
								THANK YOU! CALL AGAIN
								WOODY + TYER

RECEIVED  
KANSAS CORPORATION COMMISSION  
DEC 29 1995  
CORPORATION DIVISION  
WICHITA, KS



# JOB SUMMARY

HALLIBURTON DIVISION Mid Continent Area  
HALLIBURTON LOCATION Liberal, KS.

BILLED ON TICKET NO. 707324

## WELL DATA

FIELD Hugoton SEC. 1 TWP. 32 RING. 41W COUNTY Morton STATE KS.

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ 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>20</u>	<u>8 5/8</u>	<u>KB</u>	<u>466</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>11 1/2" x 5 5/8"</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>F. H. H. P. 5 5/8"</u>	<u>1</u>	
GUIDE SHOE		<u>0</u>
CENTRALIZERS <u>5/8" x 5 5/8"</u>	<u>3</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>5 1/2" x 5 5/8"</u>	<u>1</u>	
HEAD <u>P. O. 5 5/8"</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER		<u>0</u>

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-11</u>	DATE <u>7-11</u>	DATE <u>7-11</u>	DATE <u>7-11</u>
TIME <u>1330</u>	TIME <u>1545</u>	TIME <u>1827</u>	TIME <u>1945</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. WOODROW (2513)</u>	<u>40077 P.V.</u>	<u>LIBERAL, KS.</u>
<u>T. PAULS 1</u>	<u>52274</u>	
<u>F. H. H. P.</u>		<u>HUGOTON, KS.</u>
<u>G. G. B. 13</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 COMPLANT  
 DESCRIPTION OF JOB COMPLANT 5 5/8 SURFACE CS  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR \_\_\_\_\_  
 KANSAS CORPORATION  
 COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>75</u>	<u>midcon 3</u>		<u>B</u>	<u>370 cc 1/4" x 1000</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>100</u>	<u>Prom Plus</u>		<u>B</u>	<u>270 cc 1/4" x 1000</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. 27.4  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY (BBL.-GAL.) 43 L.C. 23.5 T.C.  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 45 REASON SHOE JOINT

### REMARKS

ONE MSDS SHEET TO MR SAN GARCIA

CUSTOMER: H. B. CO.  
LEASE: COMPLANT 5 5/8 SURFACE CS  
WELL NO.: 2 H. H.  
JOB TYPE: 5 5/8 SURFACE CS  
DATE: 7-11-95



HALLIBURTON

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 707324

HALLIBURTON ENERGY SERVICES

341 CUSTOMER Amoco WELL Dawsall DATE 7-11-95 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								
504-050	516 00265				Premium Plus Cement	700	SK			11.26	1191	00
504-232					Mudcon	75	SK			16.29	1229	25
507-285	70 15350					141	LB					
506-429	516 00285					2	SK					
507-210	890 50871				Flu 44 <sup>lb</sup> / 175 SK	44	LB			1.65	72	10
501-406	890 50912				Sulfuric Chloride 37% 75 SK / 2000	4	SK			36.25	147	00
500-207					SERVICE CHARGE							
501-306					MILEAGE CHARGE							
					TOTAL WEIGHT							
					LOADED MILES							
					CUBIC FEET							
					TON MILES							

ORIGINAL

No. B 209581

CONTINUATION TOTAL 3211 68



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

COPY

TICKET

No. 707324 - 2

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS 1. 025540 LIBERAL	WELL/PROJECT NO. 2 HT	LEASE DEWELL G.U.B.	COUNTY/PARISH MORTON	STATE LS	CITY/OFFSHORE LOCATION DERMONT	DATE 7-11-95	OWNER SAMP
2. 025535 MUSOIAN	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR CAYENNE DRIG 8	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO WELL SITE	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	02-GAS	01 DEVELOPMENT	010 8 1/2 SURFACE		LAND		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	60	1/2	2	1/2	2 75	330 00
001-016		1			PUMP CHARGE	566	FT			890 00	890 00
030-018		1			S.W. TOP PLUG	1	EA	8 7/8	IN	130 00	130 00
40	806-61048	1			CENTRALIZER	3	EA	8 7/8	IN	165 00	195 00
24A	815-19508	1			INSERT FLOAT VALVE	1	EA	8 7/8	IN	150 00	150 00
27	815-19415	1			FILL UP ASSY	1	EA	1.50	IN	N/C	N/C
350	890-10802	1			MILCO WELD A	1	EA	1	LB	14 50	14 50

ORIGINAL

<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. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <b>X</b>	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"/>			PAGE TOTAL 1709 50 FROM CONTINUATION PAGE(S) 3211 168 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?	1		
DATE SIGNED	TIME SIGNED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		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) <i>John Woodson</i>	HALLIBURTON OPERATOR/ENGINEER EMP # 62573	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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JOB LOG HAL-2013-C

CUSTOMER Amoco Production WELL NO. 7 HI LEASE Devell Gull "B" JOB TYPE Longstring TICKET NO. 812055

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2:00							on hoc ORIGINAL
456	6.3	0					300	Start cement Lead
513			111					Switch to Tail cement
513	6.0	0					150	Start Tail cement
			39				0	Shut Down
								Wash Pump & lines
								Drop Plug
529	6.5	0					150	Start Displacement
532	6.5	20					450	Cement to surface
937	2	50					430	Slow Rate
541	6	60					1100	Land Plug - Shut Down
								release PSI
								Flare Held,
								Job over

Thanks



# JOB SUMMARY

HALLIBURTON DIVISION Mid-con  
 HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 812085

### WELL DATA

FIELD \_\_\_\_\_ SEC. 1 TWP. 32 RNG. 41W COUNTY Morton STATE Ks

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		14	5 1/2	0	2451	
LINER						
TUBING						
OPEN HOLE					2446	SHOTS/FT.
PERFORATIONS		ORIGINAL				
PERFORATIONS						
PERFORATIONS						

### JOB DATA

#### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE	1	Holero
GUIDE SHOE		
CENTRALIZERS	5	"
BOTTOM PLUG		
TOP PLUG	1	"
HEAD	1	"
PACKER		
OTHER <u>Weld-A</u>		"

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-12-95</u>	DATE <u>7-13-95</u>	DATE <u>7-13-95</u>	DATE <u>7-13-95</u>
TIME <u>22:30</u>	TIME <u>02:00</u>	TIME <u>4:56</u>	TIME <u>5:41</u>

#### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Peacock</u>	<u>Service</u>	<u>Liberal</u>
<u>81046</u>	<u>Supervisor</u>	<u>"</u>
<u>T. Poyer</u>	<u>TC-4</u>	<u>"</u>
<u>48130</u>	<u>7131</u>	<u>"</u>
<u>E. Boone</u>	<u>BC</u>	<u>Wagon</u>
<u>41865</u>	<u>6610</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. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT Cement  
 DESCRIPTION OF JOB 543 long string  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR David Peacock COPIES REQUESTED \_\_\_\_\_

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	200	Midcon-2			2 Tol C, 1/4 # 15K Floccle	3.22	11.1
1	100	Prem Plus light			1/4 # 15K Floccle	2.1	12.9

RECEIVED  
 PENNSAS CORPORATION  
 DEC 29 1995

### 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 \_\_\_\_\_ REASON \_\_\_\_\_

PRESLUSH: BBL.-GAL. \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. 60  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL.: BBL.-GAL. \_\_\_\_\_  
 CEMENT SLURRY: BBL.-GAL. 148  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

### REMARKS

111 BBLs head cmf Circulated 40 BBLs  
37 BBLs Tail cmf  
cmf

CUSTOMER: Amoco Production  
 LEASE: Dewell #11811  
 WELL NO: 2 HT  
 JOB TYPE: long string  
 DATE: 7-13-95



HALLIBURTON

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 812085

HALLIBURTON ENERGY SERVICES

40

CUSTOMER Amoco WELL Dewell DATE 7-12-95 PAGE 1 OF 1

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL		DATE		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M			
504-282					Miscellaneous	200	SK			16.25	3278.00	
507-285	70-15290					376	LB					
508-127	516.00335					4	SK					
504-121					Premium Plus Light Cement	100	SK			10.56	1056.00	
504-030	516.00265					65	SK					
506-105	516.00286					2590	LB					
506-121	516.00259					5	SK					
507-310	890.50071				Flt Y4 8/300SK	75	LB			1.65	123.75	
509-406	890.50012				Calcium Chloride 28/20024	4	SK			36.25	147.00	
		ORIGINAL										
500-207					SERVICE CHARGE			CUBIC FEET		323	1.35	436.05
500-306					MILEAGE CHARGE			TOTAL WEIGHT		29,150		
					LOADED MILES					39		
					TON MILES					568.43		
										95		540.00

No. B 209587

CONTINUATION TOTAL 5580.80



**HALLIBURTON**

**HALLIBURTON ENERGY SERVICES**

HAL-1906-N

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

CUSTOMER COPY

TICKET

No. **812085 - X**

PAGE 1 OF 1

SERVICE LOCATIONS <u>Liberal</u>	WELL/PROJECT NO. <u>2 HT</u>	LEASE <u>Dewell G.U. "B"</u>	COUNTY/PARISH <u>Morton</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>7-13-95</u>	OWNER
<u>2. Duncan</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>Co. Trk</u>	DELIVERED TO <u>hcc</u>	ORDER NO.
<u>3. Haysport</u>	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS:						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-117</u>		<u>1</u>			MILEAGE	<u>120</u>	<u>miles</u>	<u>1</u>	<u>hr</u>	<u>2.75</u>	<u>330.00</u>
<u>001-016</u>		<u>2</u>			Pump Charge	<u>2451</u>	<u>ft.</u>			<u>1395.00</u>	<u>1395.00</u>
<u>5A</u>	<u>837.07100</u>				Super Seal float shoe	<u>1</u>	<u>pc</u>	<u>5.60</u>	<u>in</u>		<u>275.00</u>
<u>40</u>	<u>806.60022</u>				Centralizer	<u>5</u>	<u>pc</u>			<u>60.00</u>	<u>300.00</u>
<u>350</u>	<u>890.10802</u>				weld-A	<u>1</u>	<u>lb</u>				<u>14.50</u>

ORIGINAL

RECEIVED  
K/NSAB CORPORATIONAL COMMISSION  
DEC 29 1995  
CONSERVATION DIVISION  
WICHITA, KS

<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 checked="" type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b> AGREE UN. DECIDED DIS. AGREE		PAGE TOTAL <u>2264.50</u>  FROM CONTINUATION PAGE(S) <u>5580.00</u>  SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>7845.30</u>
	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	WELL DEPTH			
TREE CONNECTION	TYPE VALVE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB... CALCULATIONS SATISFACTORILY?			
		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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
	<b>X</b>	<u>David Kearck</u>	<u>81046</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.

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