

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15-075-20546-0000 ORIGINAL

County HAMILTON  
C SE Sec. 31 Twp. 22S Rge. 39 E/W

Operator: License # 5952  
Name: AMOCO PRODUCTION COMPANY  
Address P. O. BOX 800 ROOM 925  
City/State/Zip DENVER, CO 80201

1320 Feet from N (circle one) Line of Section  
1320 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, N, NW or SW (circle one)

Purchaser:  
Operator Contact Person: ELLEN HARTZLER 7-14-94  
Phone (303) 830-5130

Lease Name KERR TRUST Well # 1-31  
Field Name BRADSHAW

Producing Formation CHASE & COUNCIL GROVE

Contractor: Name: CHEYENNE DRILLING CORPORATION  
License: 5382

Elevation: Ground 3456.58' KB 3467'  
Total Depth 3420' PBDT 3419'

Amount of Surface Pipe Set and Cemented at 2251 Feet

Wellsite Geologist: None JUL 14 1994

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

Designate Type of Completion  
X New Well Re-Entry W  
Oil SWD SOW X Temp. Abd.  
Gas ENHR SIGW  
Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 8/1 1-10-95  
(Data must be collected from the Reserve Pit)

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.

Chloride content 5800 ppm Fluid volume 2140 bbls

Dewatering method used DRIED AND FILLED

Location of fluid disposal if hauled offsite:

Operator Name RELEASED

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

04/30/94 05/09/94 DELAYED  
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 N. Ellen Hartzler  
Title SR. STAFF ASSISTANT Date 7/13/94  
Subscribed and sworn to before me this 13th day of July 1994.  
Notary Public Sharon Callahan My Commission Expires August 02, 1994  
Date Commission Expires

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)

P1

SIDE TWO

Operator Name: AMOCO PRODUCTION COMPANY Lease Name: KERR TRUST Well # 1-31  
 East County HAMILTON  
 Sec. 31 Twp. 22S Rge. 39  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:  
 HRI, LSS, DIL, SDL-DSN, CSNG, MICRO

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Herrington 2644 KB  
 Council Grove 2871  
 Admire 3312

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 1/4"	8 5/8"	24#	2251	Lite/Class C	760/200	2% CACL2, 1/4 SX Flocele
Production	7 7/8"	5 1/2"	14	3420	Lite/Class C	210/250	1% CACL2, 10% Acid 1/4 #SX 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
4	3307-3317'; 3238-3248'; 3020-3030'; 2944-2956';	20% FE ACID WITH SAVE ADDITIVIES	3307-2705
	2876-2886'; 2810-2822'; 2966-2976'; 2749-2957';	(SEE ATTACHED)	
	2730-2738'; 2695-2705';		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
N/A				
Date of First, Resumed Production, SWD or Inj. ST	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	Water Bbls.	Gas-Oil Ratio Gravity
		300		

Disposition of Gas: **METHOD OF COMPLETION** Production Interval 2695' - 3248'  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

API NO. 15-075-20546

WELL NAME: KERR TRUST 1-31  
COUNTY: HAMILTONORIGINAL  
CONFIDENTIAL

3307-3317	750 GAL
3238-3248	750 GAL
3020-3030	750 GAL
2944-2956	900 GAL
2876-2886	750 GAL
2810-2822	900 GAL
2766-2776	750 GAL
2749-2757	600 GAL
2730-2738	600 GAL
2695-2705	750 GAL

**RECEIVED**  
KANSAS CORPORATION COMMISSION

JUL 14 1994

CONSERVATION DIVISION  
WICHITA, KS

NCC

JUL 13  
CONFIDENTIAL**RELEASED**

AUG 18 1995

FROM CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY  
KERR TRUST #1-31  
SECTION 31-T22S-R39W  
HAMILTON COUNTY, KANSAS

COMMENCED: 04-30-94  
COMPLETED: 05-09-94

SURFACE CASING: 2251' OF 8 5/8"  
CMTD W/760 SX LITE "C", 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
200 SX "C", 2% C.C., 1/4#/SX FLO-CELE

FORMATION	DEPTH
SURFACE HOLE	0-2252
RED BED & ANHYDRITE	2252-2285
RED BED	2285-2620
CHASE	2620-2895
COUNCIL GROVE	2895-3420

RECEIVED  
KANSAS CORPORATION COMMISSION

RELEASED

AUG 1 8 1995

JUL 14 1994

CONSERVATION DIVISION  
WICHITA, KS

REC  
JUL 13  
CONFIDENTIAL

FROM CONFIDENTIAL

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

CHEYENNE DRILLING, INC.

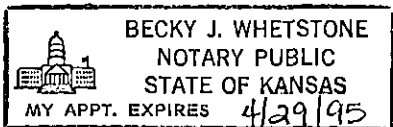
*A.J. Jacques*  
A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 11TH DAY OF MAY, 1994.

*Becky J. Whetstone*

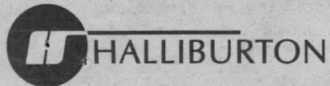
BECKY J. WHETSTONE, NOTARY PUBLIC



**JOB LOG** FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Amoco prod	K-31	Kerr Trust	8 3/4 Surface	677071

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0715							Called out ORIGINAL
	1200							on location Rig up Safety meeting Discuss Job with Sam Carmack CONFIDENTIAL
	1705							Run pipe Drop Ball
	1710					250		Circulate with Rig Pump
	1725							Hook up Cement Iron
	1730	6	278.8			300		Start Lead cement
	1805	6	47			450		Start Tail cement
	1813							Release plug
	1815	6	140.4			500		Displace plug
	1843	1	5			900		Land plug
	1845							Release ps: Check float OK
								Circulated 2 bbl cement to surface
								REL
								JUL 13
								CONFIDENTIAL
								RELEASED
								AUG 18 1995
								FROM CONFIDENTIAL
								RECEIVED
								KANSAS CORPORATION COMMISSION
								JUL 14 1994
								CONSERVATION DIVISION
								WICHITA, KS



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

OK City  
Liberal

15-075-20546-0000

BILLED ON TICKET NO. 672071

## WELL DATA

FIELD \_\_\_\_\_ SEC. 31 TWP. 22S RNG. 39W COUNTY Hammilton 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>24</u>	<u>9 5/8</u>	<u>KC</u>	<u>2251</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>Insert</u>	<u>1</u>	<u>H</u>
GUIDE SHOE <u>Auto fill</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>33</u>	<u>5</u>	<u>O</u>
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>SW</u>	<u>1</u>	<u>C</u>
HEAD <u>PC</u>	<u>1</u>	<u>C</u>
PACKER		<u>O</u>
OTHER <u>Weld</u>	<u>1</u>	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-2-94</u>	DATE <u>5-2-94</u>	DATE <u>5-2-94</u>	DATE <u>5-2-94</u>
TIME <u>0715</u>	TIME <u>1200</u>	TIME <u>1730</u>	TIME <u>1845</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>O Nicholas</u>	<u>41525</u>	<u>Liberal</u>
<u>W Fox</u>	<u>50404</u>	
<u>D 1437</u>	<u>5060</u>	
<u>m Hume</u>	<u>4449</u>	
<u>E 2243</u>	<u>5302</u>	<u>Huyton</u>
<u>C Melvin</u>	<u>4461</u>	
<u>S 3755</u>	<u>1612</u>	
<u>D Compton</u>	<u>3625</u>	
<u>G 2728</u>	<u>25817</u>	

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API \_\_\_\_\_

DISPL. FLUID **RELEASED** DENSITY \_\_\_\_\_ LB./GAL. °API \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

PROP. TYPE **AUG 1 8 1995** \_\_\_\_\_ LB. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

ACID TYPE **FROM CONFIDENTIAL** \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

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 \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cement

DESCRIPTION OF JOB 875 Surface

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

CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR Orville Anderson COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>760</u>	<u>CLT</u>			<u>2% CC 40# Flocid</u>	<u>206</u>	<u>12.3</u>
	<u>200</u>	<u>C</u>			<u>2% CC 40# Flocid</u>	<u>132</u>	<u>14.8</u>

**JUL 13**

### 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. 1404

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 278.8-47

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

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

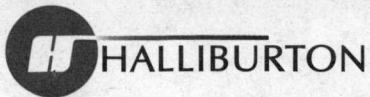
AVERAGE RATES IN BPM \_\_\_\_\_

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

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

FEET 412 REASON Insert float

CUSTOMER  
Amoco Production  
LEASE  
WELL NO.  
JOB TYPE  
DATE 5-2-94



HALLIBURTON

TICKET CONTINUATION

COPY

24

TICKET No. 677071

HALLIBURTON ENERGY SERVICES

FORM 1911 R-9

CUSTOMER <b>Amoco Production</b>	WELL <b>Kerr Trust 1-31</b>	DATE <b>5-2-94</b>	PAGE OF
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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	760		sk		10 36	2072 00
504-120					Halliburton Light Cement	760		sk		9 28	7052 80
504-050	516.00265										
506-105	516.00286										
506-121	516.00259										
507-210	890.50071				Flocele 1/2# / 960sk	240		lb		1 65	396 00
509-406	890.50812				Calcium Chloride 2% / 960sk	17		sk		36 75	624 75
500-207					SERVICE CHARGE.	CUBIC FEET		1010		1 35	1363 50
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		95	2492 88
						90,486	58	2624.09			

ORIGINAL

CONFIDENTIAL

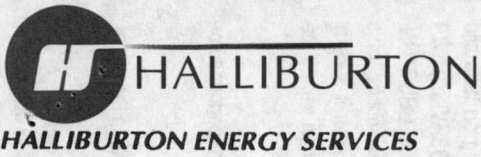
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1010  
JUL 13  
CONFIDENTIAL

CONFIDENTIAL

CONTINUATION TOTAL	14001.93
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15.075.20546-0000



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

COPY

TICKET

No.

677071 - X

PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS 1. <i>heral 25540</i>	WELL/PROJECT NO. <i>1-21</i>	LEASE <i>Kern Trust</i>	COUNTY/PARISH <i>Harris</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE <i>5-2-94</i>	OWNER <i>same</i>
2. <i>Higdon 25535</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Chevron</i>	RIG NAME/NO. <i>3</i>	SHIPPED VIA <i>Location</i>	ORDER NO.	
3.	WELL TYPE <i>03</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010 876 surface</i>	WELL PERMIT NO. <i>15-075-20546</i>	WELL LOCATION <i>21-325-39W</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

CONFIDENTIAL

15-075-20546-0000

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>001-117</i>					MILEAGE	<i>116</i>	<i>mi</i>	<i>2.75</i>			<i>319.00</i>
<i>001-016</i>					<i>Pump Charge</i>	<i>227</i>	<i>ft</i>				<i>1295.00</i>
<i>035-018</i>					<i>5 swiper plug</i>	<i>1</i>	<i>ft</i>	<i>87.00</i>			<i>130.00</i>
<i>001-018</i>					<i>Additional</i>	<i>1</i>	<i>hr</i>				<i>235.00</i>
<i>24A</i>	<i>815-19502</i>	<i>1</i>			<i>Inject flat</i>	<i>1</i>	<i>ft</i>	<i>87.00</i>			<i>171.00</i>
<i>27</i>	<i>815-19415</i>	<i>1</i>			<i>Auto fill</i>	<i>1</i>	<i>ft</i>	<i>87.00</i>			<i>55.00</i>
<i>40</i>	<i>815-61048</i>	<i>1</i>			<i>Center lines</i>	<i>5</i>	<i>ft</i>	<i>87.00</i>	<i>15.00</i>		<i>325.00</i>
<i>35D</i>	<i>893-10812</i>	<i>1</i>			<i>Weld A</i>	<i>1</i>	<i>lb</i>				<i>14.50</i>

ORIGINAL

RELEASED

AUG 18 1995

FROM CONFIDENTIAL JUL 13

CONFIDENTIAL

**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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE  
*X Dave Couz*

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK \_\_\_\_\_ DEPTH \_\_\_\_\_

BEAN SIZE \_\_\_\_\_ SPACERS \_\_\_\_\_

TYPE OF EQUALIZING SUB. \_\_\_\_\_ CASING PRESSURE \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ TUBING PRESSURE \_\_\_\_\_ WELL DEPTH \_\_\_\_\_

TREE CONNECTION \_\_\_\_\_ TYPE VALVE \_\_\_\_\_

**SURVEY** AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? \_\_\_\_\_

WE UNDERSTOOD AND MET YOUR NEEDS? \_\_\_\_\_

OUR SERVICE WAS PERFORMED WITHOUT DELAY? \_\_\_\_\_

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? \_\_\_\_\_

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<i>2644.50</i>
FROM CONTINUATION PAGE(S)	<i>14001.93</i>
SUB-TOTAL	<i>16646.43</i>
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) \_\_\_\_\_ CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *X*

HALLIBURTON OPERATOR/ENGINEER \_\_\_\_\_ EMP # *48535*

HALLIBURTON APPROVAL *w/40%* *9987.86*

*disc*



## 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:

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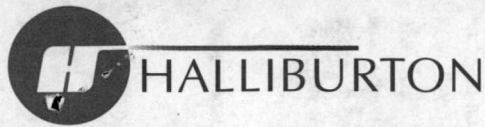
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E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, 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.



HALLIBURTON

HALLIBURTON ENERGY SERVICES

CHARGE TO: **AMOCO**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. **590434 - 9**

PAGE **1** OF

FORM 1906 R-13

SERVICE LOCATIONS 1. <b>LAMAR CO</b>	WELL/PROJECT NO. <b>1-31</b>	LEASE <b>KEAR TRUST</b>	COUNTY/PARISH <b>HAMILTON</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE <b>5-9-94</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>CSEYENAF</b>	RIG NAME/NO. <b>3</b>	SHIPPED VIA <b>LT</b>	DELIVERED TO <b>LOC</b>	ORDER NO.
3.	WELL TYPE <b>02</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>055</b>	WELL PERMIT NO.	WELL LOCATION <b>31, 225, 394</b>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

CONFIDENTIAL

15-075-20546-0000

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	132				2.71	
001-016					PUMP CHANGE						
030-017					5 1/2 TOP PLUG	1		5 1/2			120.00
5A	837.07100				SUPER SEAL IN FLOAT STOP	1		5 1/2			225.00
40	506.60				CENTRALIZED	5				44.00	220.00
350	890.10502				WELL A	1					14.50

JUL 13  
 CONFIDENTIAL

RECEIVED  
 KANSAS CORPORATION COMMISSION

JUL 14 1994

CONSERVATION DIVISION  
 WICHITA, KS

RELEASED

AUG 1 8 1995

FROM CONFIDENTIAL

**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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE  
**X**

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
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			

PAGE TOTAL

FROM CONTINUATION PAGE(S) **8826 45**

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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>X</b>	HALLIBURTON OPERATOR/ENGINEER <b>C. Ashby</b>	EMP # <b>44061</b>	HALLIBURTON APPROVAL
---------------------------------------------	------------------------------------------------------	--------------------------------------------------	-----------------------	----------------------

## 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.

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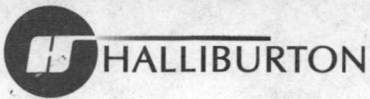
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HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

72

TICKET No. 590427

FORM 1911 R-10

CUSTOMER <b>Amoco</b>	WELL <b>Kerr Trust 1-31</b>	DATE <b>5-9-94</b>	PAGE	OF
--------------------------	--------------------------------	-----------------------	------	----

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT			
		LOC	ACCT	DF										
504-050	516.00265				Premium plus Cement	250	sk			10 36	2,590	00		
504-120					Halliburton Light Cement	210	sk			9 28	1,948	80		
504-080	516.00265				Premium Plus Cement									
506-105	516.00286				Pozmix "A" (73)									
506-121	516.00259				Halliburton Gel 6%									
507-210	890.50071				Flocele B/ ¼# W/ 460	115	lb			1 65	189	75		
507-277	516.00144				Halad-322 B/ .6% W/ 250	141	lb			7 00	987	00		
508-127	890.50131				BA-2 B/ 10% W/ 250	24	sk			25 90	621	60		
509-406	890.50812				Calcium Chloride B/ 1% W/ 250	3	sk			36 75	110	25		
509-968	516.00315				Granulated Salt B/ 15% W/ 250	2,280	lb			15	342	00		
RELEASED AUG 1 8 1995 FROM CONFIDENTIAL					JUL 13 CONFIDENTIAL									
500-207					SERVICE CHARGE	CUBIC FEET		538		1 35	726	30		
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	58		TON MILES	1,390.260	95	1,320	75
						47,940								

15-075-20546-0000

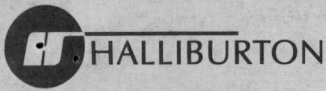
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CONFIDENTIAL

JUL 13  
CONFIDENTIAL

No. B 255038

CONTINUATION TOTAL 8826.45



# JOB SUMMARY

HALLIBURTON DIVISION MID CONT  
HALLIBURTON LOCATION LAMAR CO

15-075-20546-0000

BILLED ON TICKET NO.

## WELL DATA

FIELD HCU SEC 31 TWP. 22 RNG. 39 COUNTY HAMILTON STATE KY

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>140</u>	<u>5 1/2</u>	<u>100</u>	<u>3436</u>	
LINER			<u>8 5/8</u>	<u>100</u>	<u>2522</u>	
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>100</u>	<u>3420</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

TOOLS AND ACCESSORIES HONGCO

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>SUPERSEALER</u>	<u>1</u>	
GUIDE SHOE		
CENTRALIZERS <u>S-4</u>	<u>5</u>	
BOTTOM PLUG		
TOP PLUG <u>S-4</u>	<u>1</u>	
HEAD <u>FRIE FLOW</u>	<u>1</u>	
PACKER		
OTHER <u>WELL</u>	<u>1</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-9-94</u>	DATE <u>5-9-94</u>	DATE <u>5-9-94</u>	DATE <u>5-9-94</u>
TIME <u>6:00</u>	TIME <u>9:00</u>	TIME <u>11:00</u>	TIME

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. KINSTON</u>	<u>3581</u>	<u>LAMAR CO</u>
<u>F. 4880</u>		
<u>D. McINTYRE</u>	<u>41149</u>	
<u>B. JOSE</u>		
<u>C. ASHLEY</u>	<u>37459</u>	
<u>44261</u>		

RELEASED

AUG 18 1995

FROM CONFIDENTIAL

DEPARTMENT Cont

DESCRIPTION OF JOB 5 1/2

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>210</u>	<u>116C</u>			<u>14# FL</u>	<u>2.04</u>	<u>12.3</u>
<u>2</u>	<u>250</u>	<u>PREMIUM PLUS</u>			<u>1060 EA-2 120C .6% 322</u> <u>1520 Sack 11-1# FL</u>	<u>1.58</u>	<u>14.6</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. \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 147

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

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

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

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

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

FEET 0 REASON FLOAT SHOE

CUSTOMER: Amoco  
LEASE: KENT TRAIL  
WELL NO.: 1-21  
JOB TYPE: 5 1/2  
DATE: 5-9-94

CUSTOMER: **AMOCO** WELL NO.: **1-31** LEASE: **KEAR TRUSS** JOB TYPE: **5 1/2"** TICKET NO.: **590424**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								31,225,39 <sup>2</sup>
								HAMILTON KS ORIGINAL
	10:00							KEO ON LOC CONFIDENTIAL
	9:20							ON LOC
								RIG C.M.
	12:45							HOLCO RUN F. EQUIP
	12:45							HOLCO HOOK UP TO C.M.
	14:00							HOLCO HOOK UP TO C.M.T
		6					500	START C.M.T
		14	147				1000	FINISH C.M.T
								WASH OUT PUMPS & LINES
								RELEASE PLUG
		6					500	START DISP
		6	83				1000	FINISH DISP
		3					2100	BUMP FLOAT
	15:00							FLOAT HOLD YES

 RELEASED **KUL**  
 JUL 13  
 AUG 18 1995  
**CONFIDENTIAL**

FROM CONFIDENTIAL