

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

Operator: License # 5229  
Name: Phillips Petroleum Company  
Address: Route 3, Box 20A  
City/State/Zip: Great Bend, Kansas 67530  
Purchaser: KAW Pipeline  
Operator Contact Person: L.G. Janson, Jr.  
Phone (316) 793-8421  
Contractor: Name: Murfin Drilling  
License: 30606  
Wellsite Geologist: Casey Galloway  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

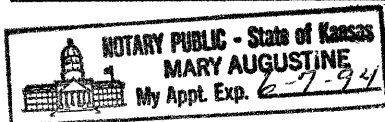
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
12/22/93 12/29/93 01/20/94  
Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,240-00-00 ORIGINAL  
County Rooks, Kansas  
NW - NE - SW Sec. 2 Twp. 9S Rge. 19  E  
2300 Feet from  N (circle one) Line of Section  
1650 Feet from E  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or  (circle one)  
Lease Name Barry LKC Unit Well # 006-041  
Field Name Barry Pool  
Producing Formation LKC  
Elevation: Ground 1985 KB 1990  
Total Depth 3507 PBD 3390  
Amount of Surface Pipe Set and Cemented at 1400 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_  W \_\_\_\_\_  SX cnt.  
Drilling Fluid Management Plan ALT 1 J.G. 3-24-95  
(Data must be collected from the Reserve Pit)  
Chloride content 21,000 ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used draw off free fluid  
Location of fluid disposal if hauled offsite:  
Operator Name Phillips Petroleum Company  
Lease Name Chandler SWD System License No. 5229  
SW Quarter Sec. 11 Twp. 9S S Rng. 19W E/W  
County Rooks Docket No. 5229

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 this 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 [Signature]  
Title Great Bend Area Superintendent Date 03/23/94  
Subscribed and sworn to before me this 23 day of March  
19 94.  
Notary Public Mary Augustine  
Date Commission Expires 6-7-94



K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received

RECEIVED  
KANSAS CORPORATION COMMISSION

Distribution  
 KCC  SWD/Rep  XGRA  
 KGS  Plug  Other  
(Specify) 03/23/1994

UNIVERSITY OF KANSAS CORPORATION COMMISSION  
Wichita, Kansas

Operator Name Phillips Petroleum Company Lease Name Barry LKC Unit Well # 6-41  
 Sec. 2 Twp. 9S Rge. 10W  East  West  
 County Rooks, Kansas

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.)

Name	Top	Datum
Anhydrite	1378	+612
Topeka	2914	-924
Heebner	3117	-1127
Toronoto	3135	-1145
Lansing	3157	-1167
B/Kansas City	3369	-1379
Arbuckle	3403	-1413

List All E.Logs Run:  
 Corral Log  
 Spectral Density Dual Spaced Neutron II Log  
 Dual Induction Laterlog  
 Micro Log  
 Acoustic Cement Bond Log

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
(see attached sheet)							

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 Plug Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	"J" Zone 3330-38 (17 holes), "H" Zone 3292-96 (9 holes)		
	"F" Zone 3238-42 (9 holes), "D" Zone 3221-23 (5 holes)		
	"B" Zone 3197-3201 (9holes)		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 7/8 IN OD 8R EUE						
Date of First, Resumed Production, SWD or Inj.			Producing Method					
01/25/94			<input type="checkbox"/> Flowing <input checked="" 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
	94				71			

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

API #15-163-23240-00-00

CASING RECORD ATTACHMENT

ORIGINAL

Purpose of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24#	1400	HLC	550	1/4# flocele, 3% cc
					Standard	100	2% cc
Production	7.875	5.5	15.5#	3507	EA-2	115	5% calseal, 3/4% Halad-322, 10% salt, 5# gilsonite per sack, 1/4# D-Air
					EA-2	80	5% calseal, 1/4# flocele, 1% cc, 1/4# D-Air, 1% LAP-1

RECEIVED  
COMMISSION

MAR 25 1994

REGULATION DIVISION  
Wichita, Kansas



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATIONMid Continent  
Hays

BILLED ON TICKET NO. 568333

## WELL DATA

FIELD Barry SEC. 2 TWP. 9 RNG. 19 COUNTY Rooks STATE KSFORMATION 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. 9.2  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH 3507

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	0	3805	
LINER						
TUBING						
OPEN HOLE		7 7/8		3505	3507	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-30</u>	DATE <u>12-30</u>	DATE <u>12-30</u>	DATE <u>12-30</u>
TIME <u>0300</u>	TIME <u>0600</u>	TIME <u>0945</u>	TIME <u>1145</u>

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		BAKER
GUIDE SHOE		
CENTRALIZERS		BAKER
BOTTOM PLUG		
TOP PLUG <u>5-W 5 1/2</u>	<u>1</u>	<u>HOWCO</u>
HEAD		
PACKER		
OTHER		

## 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 \_\_\_\_\_

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. Palmberg 91489</u>	<u>40029</u>	<u>HAYS</u>
<u>D. Ash E 1609</u>	<u>51143</u>	<u>HAYS</u>
<u>M. Karlin G 1511</u>	<u>4604</u>	<u>HAYS</u>
<u>A. Gabel 88686</u>	<u>8206</u>	<u>HAYS</u>

## CEMENT

DEPARTMENT \_\_\_\_\_  
DESCRIPTION OF JOB Cement Production CasingJOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN. CUSTOMER REPRESENTATIVE X D.J. StahlHALLIBURTON OPERATOR G Palmberg

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

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>115</u>	<u>Standard</u>	<u>EA-2</u>	<u>B</u>	<u>5% Celcad, 24% HALAD-322 10% Salt</u> <u>5" G. Isonite 1sk, 1/4" D-Air</u>	<u>1.38</u>	<u>15.1</u>
	<u>80</u>	<u>Standard</u>	<u>EA-2</u>	<u>B</u>	<u>5% Celcad, 1/4" Flocc 17% CC</u> <u>1/4" D-Air, 17% LAP-i</u>	<u>1.35</u>	<u>15.0</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

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 shoe jointPRESLUSH: BBL.-GAL. 20 TYPE Clafix 21  
LOAD & BKDN: BBL.-GAL. Flocc 21 PAD: BBL.-GAL. 8  
TREATMENT: BBL.-GAL. 5 FRESH WATER DISPL.: BBL.-GAL. 81.7  
CEMENT SLURRY: BBL.-GAL. 47.5  
TOTAL VOLUME: BBL.-GAL. 162.20

## REMARKS

SEE JOB LOG,  
Thank you! Gail, D...RECEIVED  
OPERATION COMMISSION

MAR 25 1984

CONSERVATION DIVISION  
Wichita, KansasCUSTOMER: Ph. H. ps Petrochem  
LEASE: Barry LKE unit  
WELL NO.: 6-41  
JOB TYPE: Production Csg  
DATE: 123073

CUSTOMER: Phillips Petroleum WELL NO.: 6-41 LEASE: Barry LKC Unit JOB TYPE: Production Casing TICKET NO.: 568333

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							Called out
	0600							On location Set up Equipment Rig removing blow-out preventer
	0740							Start 5 1/2" Casing in hole Baker float Equipment
	0930							Casing on bottom Rig up to Circulate
	0945					1200		Ball through INSERT Start circulating = Reciprocating Casing Rig up to Pump Truck
	1015	6	20				300	Pump Clavin II Pre flush
	1020	6	8				300	Pump Flochek 21
	1025	6	5				300	Pump Fresh Water Spacer
	1025							Plug Rat Hole w/ 15 sks Cement
	1030	5						Start mixing cement 15 sks EA-2 5% Calceal 3/4% Hated -322 5" Gilsontek 10% Salt, 1/4" D-Air 80 sks EA-2, 5% Calceal, 1/4" Floacle 1% CC, 1/4" D-Air 1% Lap-1
	1043	5	47				200	Cement mixed Washout pump & line Release Plug
	1045							Start displacement Stop reciprocating casing
	1100	5	82				1300	Plug down Release Pressure - Float did not hold 1000 Pump Plug back to float Close in C well head Wash up & Rack up Job completed
								Thank you Dwight Dore

CONSERVATION COMMISSION

MAR 25 1994

 CONSERVATION DIVISION  
Wichita, Kansas



HALLIBURTON ENERGY SERVICES

COPY

TICKET

No.

568333 - 7

NOISIAIT

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS

1. *Haystack 25525*

2.

3.

4.

WELL/PROJECT NO.

*6-41*

TICKET TYPE

SERVICE JOB

SALES

WELL TYPE

*01*

LEASE

*Barry Lake Unit*

CONTRACTOR

*Martin Dels*

WELL CATEGORY

*A*

COUNTY/PARISH

*Rooks*

RIG NAME/NO.

*B*

JOB PURPOSE

*035*

STATE

*Ks*

SHIPPED VIA

*5443*

CITY/OFFSHORE LOCATION

*Zurich, Ks*

DELIVERED TO

*Wellite*

DATE

*12-30-93*

ORDER NO.

*JAME*

WELL LOCATION

*4-N 1-E Zurich, Ks*

WELL PERMIT NO.

*15-163-23246*

REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
<i>000-117</i>		<i>1</i>			MILEAGE	<i>26</i>	<i>mi</i>			<i>6.75</i>	<i>71.50</i>
<i>001-016</i>		<i>1</i>			Pump Service	<i>3505</i>	<i>FT</i>			<i>14.55</i>	<i>1455.00</i>
<i>030-018</i>	<i>402.15513</i>	<i>1</i>			Top Plug	<i>1EA</i>	<i>5 1/2 IN</i>			<i>65.00</i>	<i>65.00</i>
<i>158-103</i>	<i>70.15607</i>	<i>1</i>			Flochek 21	<i>330</i>	<i>501</i>			<i>1.95</i>	<i>643.60</i>
<i>218-738</i>	<i>516.00460</i>	<i>1</i>			Clafix II	<i>3</i>	<i>GAL</i>			<i>24.00</i>	<i>72.00</i>

**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 D.J. Stahl*

DATE SIGNED  
*12-30-93*

TIME SIGNED  
 A.M.  
 P.M.

do not require IPC (Instrument Protection).  Not offered

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL *1307*

FROM CONTINUATION PAGE(S) *57*

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE *5967*

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) *X D.J. Stahl*

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *G. Palmberg*

HALLIBURTON OPERATOR/ENGINEER EMP # *41489*

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.

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.



TRK 4608-8206  
TICKET CONTINUATION

COPY

TICKET NO. 568332  
DATE 12-29-93  
PAGE 2 OF 2  
DIVISION Kansas

HALLIBURTON ENERGY SERVICES

CUSTOMER: Phillips Petroleum  
WELL: Barrylkc #6-41  
DATE: 12-29-93

FORM 1911 R-9

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING		DESCRIPTION	WELL		UNIT PRICE	AMOUNT
			ACCT	DF		QTY.	U/M		
504-308		1		B	Standard Cement	195		6.96	1,357.20
509-968		1		B	Salt Blended W/ 115	500	lb	1.3	65.00
508-291		1		B	Gilsonite Blended W/ 115	575	lb	40	230.00
508-127		1		B	Cal Seal Blended	9		20.70	186.30
507-970		1		B	D-Air-1 Blended	49	lb	3.25	159.25
507-613		1		B	Lap-1 Blended W/80	75	lb	8.15	611.25
507-210		1		B	Piocele Blended W/ 80	20	lb	1.40	28.00
509-406		1		B	Callgm Chloride Blended W/80	1		28.25	28.25
507-K775		1		B	Halrd-322 Blended W/115	81	lb	6.90	558.90
ORIGINAL									
500-207		1		B	SERVICE CHARGE			1.35	309.15
500-306		1		B	MILEAGE CHARGE			.95	127.27
					TOTAL WEIGHT	13			
					LOADED MILES	133.965			
					CUBIC FEET	229			
					TON MILES	133.965			
CONTINUATION TOTAL									3,660.57





# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION1111d Continent  
Hays

BILLED ON TICKET NO. 568330

## WELL DATA

FIELD Barry SEC. 2 TWP. 9s RING. 19w COUNTY. Rooks 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	N	24	8 5/8	0	1400	
LINER						
TUBING						
OPEN HOLE			12.14			SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-23	DATE 12-24	DATE 12-24	DATE 12-24
TIME 2000	TIME 2400	TIME 0655	TIME 0830

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. Palmberg 41489	40029	HAYS
R. Berens ST220	51374	HAYS
G. Blessing 52160	4604 8206	HAYS
J. Becker 43222	51252 76103	HAYS

ORIGINAL

DEPARTMENT CEMENT  
DESCRIPTION OF JOB CEMENT SURFACE CASINGJOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN. CUSTOMER REPRESENTATIVE X D.J. StahlHALLIBURTON OPERATOR G. Palmberg

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

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	550	HLC		B	1/4" Floccle 3% CC	1.84	12.7
	100	Standard		B	2% CC	1.18	15.6

## 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. 86  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 201  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. 237

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 54 REASON Shoe Joint

REMARKS  
SEE JOB LOG,  
Thank you, David, Ron, Gary & John  
MERRY CHRISTMAS!

RECEIVED

MAR 25 1994

CONSERVATION DIVISION  
Wichita, KansasCUSTOMER  
Phillips Petroleum  
LEASE  
Barry LKE Unit  
WELL NO.  
6-41  
JOB TYPE  
Surface Casing  
DATE  
12-24-93

JOB LOG FORM 2013 R-4

DATE 12-24-73 PAGE NO. 1

CUSTOMER *Phillips Petroleum* WELL NO. *6-41* LEASE *Barry LKC Unit* JOB TYPE *Surface Casing* TICKET NO. *568330*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>2000</i>							<i>Called out</i>
	<i>2400</i>							<i>On location Set up Equipment</i>
	<i>0055</i>							<i>Big Circulating @ TD</i>
	<i>0330</i>							<i>Start out of hole w/ DP &amp; Bit</i>
	<i>6500</i>							<i>Start 8 1/8" Casing in Hole</i>
	<i>0510</i>							<i>Casing on Bottom</i>
	<i>0655</i>	<i>7</i>						<i>Big up Equipment to circulate</i>
								<i>Tie on to pump truck</i>
							<i>200</i>	<i>Start mixing cement</i>
								<i>550 sks HLC 1/4" Fibre 1sk 3%cc</i>
								<i>100 sks Standard Cement 2 1/2 cc</i>
	<i>0720</i>	<i>7</i>	<i>201</i>				<i>200</i>	<i>Cement mixed</i>
	<i>0720</i>							<i>Release Plug</i>
	<i>0721</i>	<i>7</i>					<i>200</i>	<i>Start displacement</i>
	<i>0740</i>		<i>86</i>				<i>200</i>	<i>Plug down</i>
								<i>Close in @ well head</i>
								<i>Wash up &amp; pack up</i>
								<i>Job completed</i>
								<i>ORIGINAL</i>
								<i>Circulated out 70 sks Cement</i>
								<i>Thank you</i>
								<i>Paul, Ron, Tracy, &amp; John</i>



**HALLIBURTON**  
ENERGY SERVICES

CHARGE TO:  
ADDRESS  
CITY, STATE, ZIP CODE

Phillips Petroleum

FORM 1908 R-12

SERVICE LOCATIONS

1. Hays, KS 25525

2.

3.

4.

WELL/PROJECT NO.

6-41

LEASE

Barry KHC Unit

COUNTY/PARISH

Rock

STATE

KS

CITY/OFFSHORE LOCATION

Zurich, KS

DATE

12-24-93

ORDER NO.

58330 - 4

CONTRACTOR

WELLSITE

WELL PERMIT NO.

151632324

WELL LOCATION

4-N 114-L Zurich, KS

INVOICE INSTRUCTIONS

REFERRAL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT DF								
000-117		1			MILEAGE	26	m			2.75	71.50
001-016		1			Pump Service	140	ft			1060.00	1060.00
030-016	402.15282	1			Top Plug 5-w	1 EA		8 3/8	in	120.00	120.00

ORIGINAL

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE

X [Signature] DATE SIGNED 12-24-93

A.M.  P.M.

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)

HALLIBURTON OPERATIONS ENGINEER

EMP #

HALLIBURTON APPROVAL

**SURVEY**

SUB SURFACE SAFETY VALVE WAS:  PULLED & RETURN  PULLED  RUN

DEPTH

SPACERS

CASING PRESSURE

TYPE OF EQUALIZING SUB.

TUBING SIZE

TUBING PRESSURE

WELL DEPTH

TYPE VALVE

TRREE CONNECTION

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

AGREE  DIS-DECIDED  AGREE

PAGE TOTAL

FROM CONTINUATION PAGE(S) 6191 66

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 7443

16

COPY

TICKET

58330 - 4

PAGE 1 OF 2

RECEIVED

NO.

RECEIVED

NO.

RECEIVED

NO.

RECEIVED

NO.

RECEIVED

NO.

PHILLIPS PETROLEUM CORPORATION

COMMERCIAL SERVICE DIVISION

CHICAGO, ILLINOIS

MAR 25 1994

## 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.



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TRRS 4604 <sup>8206</sup> TICKET CONTINUATION <sup>57252-76103</sup> COPY

TICKET No. 4604  
DIVISION Kansas

FORM 1911 R-9

CUSTOMER  
Phillips Petroleum

WELL  
BERRYKCH6-41

DATE  
12-20-63  
PAGE 2

STATE COMMISSION  
CORPORATION  
MAR 25 1964  
DIVISION Kansas

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT		DE	UM			UM
504-316		1		B	Halliburton Light Cement	550		6.43	3,536.50
504-308		1		B	Standard Cement	100		6.96	696.00
509-406		1		B	Calcium Chloride Blended	16		28.25	452.00
507-210		1		B	Piococe Blended W/ N/C	138	1b	1.40	193.20
500-207		1		B	SERVICE CHARGE			1.35	991.50
500-306		1		B	MILEAGE CHARGE TOWNE LOADED MILES 13			95	372.46
ORIGINAL									
CONTINUATION TOTAL									6,191.66