

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACD-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: KOCH  
Operator Contact Person: L. G. Janson, Jr.  
Phone ( 316 ) 793-8421  
Contractor: Name: N/A  
License: N/A  
Wellsite Geologist: N/A

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Gore, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: Phillips Petroleum Company  
Well Name: Baumer #45  
Comp. Date 11/29/93 Old Total Depth 3550'  
 SQUEEZED OLD PERFORATIONS  
 Deepening  Re-perf.  Conv. to inj/SWD  
 Plug Back  PBD  
 Cemented  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or inj) Docket No. \_\_\_\_\_  
6-26-94 6-29-94

Date OF START Date Reached TO OF WORKOVER  
Completion Date OF WORKOVER

API NO. 15- 051-24863 0001 Koe JH 12-8-94  
County Ellis  
- SW - NW - NW Sec. 27 Twp. 11 Rge. 17  E

825 Feet from  (circle one) Line of Section  
495 Feet from  (circle one) Line of Section

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

Lease Name Baumer Well # 45  
Field Name Bemis Shutts

Producing Formation Arbuckle

Elevation: Ground 1982' KS 1987'

Total Depth 3550' PBD 3503'

Amount of Surface Pipe Set and Cemented at 1215 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 cm.

Drilling Fluid Management Plan REWORK JH 12-8-94  
(Data must be collected from the Reserve Pit) N/A

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Deaerating method used \_\_\_\_\_

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

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

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

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ E/W

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

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 [Signature]  
Title Great Bend Area Superintendent Date 07/07/94

Subscribed and sworn to before me this 7th day of July 19 94.

Notary Public Mary Augustine

Date Commission Expires 6-7-98



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
G  Geologist Report Received  
 XCC  
 XGS  
RECEIVED  
DISTRIBUTION  
SWD/Rep  
JUL 07 1994  
CONSERVATION COMMISSION  
WICHITA, KANSAS  
Form ACD-1 (1/93)

**SIDE TWO**

Operator Name Phillips Petroleum Company Lease Name Baumer Well # 45  
 Sec. 27 Twp. 11S Rge. 17  East  West  
 County Ellis

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) (IN 1993)	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Name</td> <td style="width: 30%;">Top</td> <td style="width: 40%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1195</td> <td>+792</td> </tr> <tr> <td>Topeka</td> <td>2897</td> <td>-910</td> </tr> <tr> <td>Heebner</td> <td>3131</td> <td>-1144</td> </tr> <tr> <td>Toronto</td> <td>3157</td> <td>-1170</td> </tr> <tr> <td>Lansing</td> <td>3180</td> <td>-1193</td> </tr> <tr> <td>B/Kansas City</td> <td>3429</td> <td>-1442</td> </tr> <tr> <td>Arbuckle</td> <td>3468</td> <td>-1481</td> </tr> </table>	Name	Top	Datum	Anhydrite	1195	+792	Topeka	2897	-910	Heebner	3131	-1144	Toronto	3157	-1170	Lansing	3180	-1193	B/Kansas City	3429	-1442	Arbuckle	3468	-1481
Name	Top	Datum																							
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B/Kansas City	3429	-1442																							
Arbuckle	3468	-1481																							

List All E. Logs Run:  
 Acoustic Cement Bond Log  
 Dual Induction Laterlog  
 Spectral Density Dual Spaced Neutron II 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
Surface	12.25	8.625	24#	1215	Hall. light Class A	540 100	
Production	7.875	5.5	15.5#	3545	HLC EA2	65 180	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	3452-3457	40/60 poz	150 sx	2% gel
<input checked="" type="checkbox"/> Plug Off Zone		40/60 poz	80 sx	3% Cacl (No GEL)

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
2SPF	3470-75'	11 holes

<b>TUBING RECORD</b>		Size <u>2 7/8"</u>	Set At <u>3450', 3385'</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>07/01/94</u>		Producing Method <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 <u>4</u> Bbls.	Gas <u> </u> Mcf	Water <u>577</u> Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (if vented, submit ACO-18.)	<b>METHOD OF COMPLETION</b> <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Confinelad <input type="checkbox"/> Other (Specify)	Production Interval <u>3470-3475'</u>
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# BAUMER #45

# ORIGINAL

spud: 11/07/93  
 compl: 12/11/93

ELEVATIONS:  
 GL 1982'  
 RKB 1987'

8 5/8" 24 lb/ft J-55  
 @ 1215'  
 w/ 640 sx cnt

TDC Surface  
 (Circ.)

TDC 2170'  
 (CBL)

Simpson Perfs: Sqz'd w/230 sx cnt  
 3452'-57' 11/93  
 Arbuckle Perfs:  
 3470'-75' 6/22/94

5 1/2" 15.5 lb/ft J-55  
 @ 3545'  
 w/ 230 sx cnt

PBTD 3503'  
 11/93

TD 3550'

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUN 07 1994  
 STATE KANSAS  
 OIL & GAS DIVISION  
 Wichita, Kansas



OPERATOR	PHILLIPS PETROLEUM COMPANY
WELL NAME	Baumer
FIELD	Bemis Shutts
COUNTY	Ellis
LOG NO	45
DATE	06/26/94
LDC 825' FNL 495' FWL Sec.27-T11S-R17W	



**HALLIBURTON ENERGY SERVICES**

FORM 1906 R-13

CHARGE TO: *Halliburton Energy Services Inc*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No.

621692 - 5

RECEIVED  
 REGISTRATION COMMISSION  
 JUL 07 1999  
 OIL & GAS DIVISION  
 Kansas

PAGE 1 OF 7

1. SERVICE LOCATIONS <i>Hays, KS 225225</i>	WELL/PROJECT NO. <i>45</i>	LEASE <i>Baumer</i>	COUNTY/PARISH <i>ELLIS</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>EXPRESS WELLS</i>	RIG NAME/NO.	SHIPPED VIA <i>51374</i>	DELIVERED TO <i>LOC NE Hays, KS</i>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>5800000 2000 @ 2452-51 well no 406. 22001 + 21382 4060 22000</i>					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000 117</i>					<i>MILEAGE @ 51374</i>	<i>40</i>	<i>mi</i>	<i>RT</i>		<i>1375</i>	<i>5500</i>
<i>009-124</i>	<i>009-019</i>				<i>Pump chg</i>	<i>345</i>	<i>FT</i>			<i>1590.00</i>	<i>1590.00</i>
	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: *6/30/99* TIME SIGNED: *11:00*  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <i>1645.00</i>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S) <i>1985 67</i>	
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>2030.13</i>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	TREE CONNECTION		TYPE VALVE		<input checked="" 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) <i>Dave Scott</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X [Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP #	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.



HALLIBURTON

TRK 3859-8206

TICKET CONTINUATION

COPY

TICKET No. 621692

HALLIBURTON ENERGY SERVICES

CUSTOMER Phillip Petroleum

WELL Baumer #45

DATE 6-26-94

PAGE 2 OF 2

FORM 1911 R-9

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-136		1		B	40/60 Pozmix Standard	230				6.08	1,398	40
509-406		1		B	Calcium Chloride Blended W/80	2				36.75	73	50
506-131		1		B	Ask Halliburton							n/c
<del>506-131</del>		<del>1</del>		<del>B</del>	<del>Sand 20/40 Brady on side</del>	<del>2</del>				<del>9.50</del>	<del>19</del>	<del>00</del>
500-207		1		B	SERVICE CHARGE							
500-306		1		B	MILEAGE CHARGE							
					TOTAL WEIGHT							
					LOADED MILES							
					CUBIC FEET							
					TON MILES							

ORIGINAL

CONTINUATION TOTAL ~~2700.03~~ 1985.63



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

BILLED ON TICKET NO. 621170

## WELL DATA

FIELD Garrett SEC. 27 TWP. 10 RNG. 11 COUNTY Garrett STATE MS

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 2360  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u		56	62		
LINER						
TUBING	u		27	56	7360	
OPEN HOLE						SHOTS/FT.
PERFORATIONS				3452	58	
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-27-71</u>	DATE <u>6-27-71</u>	DATE <u>6-27-71</u>	DATE <u>6-27-71</u>
TIME <u>0600</u>	TIME <u>0725</u>	TIME <u>1215</u>	TIME <u>1250</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. H. ...</u>	<u>30771</u>	<u>Garrett MS</u>
<u>...</u>	<u>51334</u>	<u>...</u>
<u>...</u>	<u>3767-2200</u>	<u>...</u>

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT ...  
 DESCRIPTION OF JOB ...  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE **X** D/SULLO  
 HALLIBURTON OPERATOR ... COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>...</u>	<u>...</u>	<u>...</u>		<u>1.15</u>	<u>143</u>
						<u>1.07</u>	<u>143</u>

### SUMMARY

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 15.5  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 332-15.5  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. 20.3

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 75 REASON ...

### REMARKS

...

CUSTOMER  
LEASE  
WELL NO.  
JOB TYPE  
DATE



HALLIBURTON ORIGINAL

ORIGINAL

DATE 6-27-74 PAGE NO. 1

JOB LOG HAL-2013-C

CUSTOMER Phillips Petroleum WELL NO. 45 LEASE Pumping JOB TYPE Drilling TICKET NO. 621032

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							called out
	0725							on loc, w/ pump TIK spot TIK, hold safety man set up equipment PKO 3360
	0815		21					500 L. + Press Ann (OK)
	0832	2.5				500		Take int rate 2.5 bpm @ 500 PSI wait on cmt 150 40/60 270 gal 470SKS 40/60 No gal 370cc cmt on the hook up + 1st road 10 Sorez - parts 34 52 56
	0910							500 Re-press Ann
	0940	2.3						500 50 min cmt 150 SKS 40/60 270 gal 470SKS 40/60 No gal 370cc cmt mixed, wash pump + line out ST. Displ 2 bbl pumped enough press 17 bbl pumped shu down, press drop 100 PSI in 5 min, shut in wash up TIK ST. Displ
	1035		20.25			500		Tbg clean + 1/2 bbl 20.25 bbl
	1050		1.25			300		staging 1/2 bbl
	1120		1.13			200		staging
	1140		20.63 total			300		staging
	1146		-			500		holding
						250		100 min press holding
	1150		45			250		Re-press (OK) Re-press around tool short way - 40 cmt to surf.
	1215							Knock loose + wash up + spot
	1225							Finish repair work
	1230							Job complete Thank you Ken + crew

CUSTOMER

RECEIVED STATE COMMISSION

JUL 07 1994

CONSERVATION