

FORM MUST BE TYPED

SIDE ONE

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

ORIGINAL

Operator: License # 6039

Name: L. D. Drilling, Inc.

Address R.R. 1 Box 183 B

City/State/Zip Great Bend, KS. 67530

Purchaser: N.C.R.A.

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIGW  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 \_\_\_\_\_ PBTB

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

5-14-94 5-21-94 5-27-94

Spud Date Date Reached TD Completion Date

API NO. 15- 009-24,579

County Barton

C S/2 NE Sec. 17 Twp. 20S Rge. 11  <sup>E</sup>  <sub>W</sub>

1980 Feet from  (circle one) Line of Section

1320 Feet from  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(NE, SE, NW or SW (circle one))

Lease Name S & K Well # 1

Field Name Chase-Silica

Producing Formation Arbuckle

Elevation: Ground 1770 KB 1775

Total Depth 3290' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 333' 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 cmt.

Drilling Fluid Management Plan ALT 1 894 5-18-95  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume 320 bbls

Dewatering method used truck haul

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

Operator Name Bob's Oil Service

Lease Name Sieker SWD License No. 30610

NW/4 Quarter Sec. 35 Twp. 19S S Rng. 11  <sub>W</sub>

County Barton Docket No. D-26,497

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.

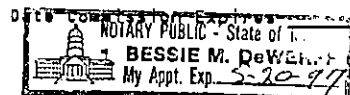
Signature L. D. Davis  
L. D. Davis

Title President Date 10-6-94

Subscribed and sworn to before me this 6th day of October, 19 94.

Notary Public Bessie M. DeWerff  
Bessie M. DeWerff

5-20-97



10-14-94 RECEIVED  
STATE CORPORATION COMMISSION  
K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
OCT 14 1994  
Distribution:  
 KCC  
 KGS  
 SWD Report  
 Plug  
(Specify)

Operator Name L. D. Drilling, Inc. Lease Name S & K Well # 1  
 sec. 17 Twp. 20S Rge. 11  East  West  
 County Barton

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhy.	499	(+1276)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	2909	(-1134)
List All E.Logs Run:	<b>RADIATION GUARD COMPENSATED DENSITY DUAL INDUCTION</b>	Brown Lime	3036	(-1261)
		Lansing	3053	(-1278)
		B/KC	3268	(-1493)
		Arbuckle	Not reached by log	
		Arbuckle (sample)	3285	(-1510)

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"	28#	333	50/50 Poz	250	2% Gel, 3% CC
production	7 7/8"	5 1/2"	10.5	3287.5	HLC 40/60 Poz	175 150	2% Gel, 18% salt .75CFR3 5# Gil pr. sk

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	
		3287.5'-3290'	OPEN HOLE	500 gal. 28% NE
			re acidize W/ 1250 gal. 28% NE	

TUBING RECORD	Size 2 7/8"	Set At 3287	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.	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 62	Bbls.	Gas Mcf	Water Bbls. 21	Gas-Oil Ratio	Gravity 40°

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: Arbuckle

ORIGINAL

Attachment to ACO-1 L. D. Drilling, Inc.

S & K #1  
C S/2 NE Sec. 17-20S-11W  
Barton County, Ks.

API #15-009-24579.0000

DST #1 3038-3100  
Times: 30-45-45-60  
Blow: GTS in 2 Min. 930,000CFS  
GTS Thru-out 887,000 to 951,000  
Decreased to 907,000  
Recovery: 65' DM W/few oil specks  
IFP: 291-237 FFP: 243-224  
ISIP: 1086 FSIP: 1084

DST #2 3102-3132  
Times: 30-45-45-60  
Blow: bb in 5 1/2 Min.  
bb immediately  
Recovery: 1600' gip, 40' o&gcm  
IFP: 78-39 FFP: 88-49  
ISIP: 732 FSIP: 782

DST #3 3170-3204  
Times: 30-30-30-30  
Blow: 1st open: slow blt to 1/2"  
2nd open: blt to 1"  
Recovery: 25' DM W/free oil in tool  
IFP: 58-39 FFP: 58-49  
ISIP: 97 FSIP: 107

DST #4 3260-3290  
Times: 45-45-60-90  
Blow: 1st open: 7" blow  
2nd Open: bb in 54 min.  
Recovery: 171' gip  
40' CO 40°  
37' HOCM  
IFP: 92-60 FFP: 105-70  
ISIP: 750 FSIP: 718

RECEIVED  
OCT 14 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS



CHARGE TO: Drilling Co.  
 ADDRESS: PPH1 Box 123 B  
 CITY, STATE, ZIP CODE: Gr. Bend, KS 67530

COPY

RECEIVED CORPORATION COMMISSION  
 No. 4 1994  
 TICKET 621876 - 0  
 PAGE 1 OF 4

FORM 1906 R-13

SERVICE LOCATIONS <u>14 Hwy 5, KS 25525</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>S+K</u>	COUNTY/PARISH <u>Barton</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>5-21-94</u>	OWNER <u>Same</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Co Tools</u>	RIG NAME/NO. <u>#1</u>	SHIPPED VIA <u>51324</u>	DELIVERED TO <u>Line S. Followed to KS</u>	ORDER NO.	
3. WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>13-004-24, 579</u>	WELL LOCATION <u>17-203-11 W.</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>CRMT 5" Line String</u>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
500-117		1			MILEAGE # 51143	24	mi	RT		275	66.00
001-016		1			Pump chg	3290	57			1500.00	1500.00
030-018		1			500 Plug	1	pa	5 1/2 in		65.00	65.00
12A	825 205	1			Guide shoe	1	ca	5 1/2 in		121.00	121.00
24A	815 19251	1			Float valve	1	ca	5 1/2 in		110.00	110.00
27	815 19311	1			Fillup tube	1	ea	1 in		55.00	55.00
320	800 8883	1			Baskets	2	ea	5 1/2 in		110.00	220.00
40	807 93022	1			centralizers S-y	5	ea	5 1/2 in		44.00	220.00

**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  
 L.D. Davis

DATE SIGNED 5-20-94 TIME SIGNED 03:35  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 <u>2357.00</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
BEAN SIZE	PACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>6925.35</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
		<input 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) <u>L.D. DAVIS</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X L.D. Davis</u>	HALLIBURTON OPERATOR/ENGINEER <u>Kenn Pichner</u>	EMP # <u>59734</u>	HALLIBURTON APPROVAL <u>SP</u>
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15.009.24579.0000

ORIGINAL

## 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.



TICKET CONTINUATION DUNCAN COPY

HALLIBURTON ENERGY SERVICES 51252-76103

CUSTOMER E. D. Drilling Inc.	WELL #1 54K	REGISTRATION No. 1994	DATE 4-27-94	PAGE 2 OF 2
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15.009.24579.0000

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-316		1		B	Halliburton Light Cement	175				6.82	1,193.50	
504-136		1		B	40/60 Pozmix Cement	150				6.08	912.00	
<del>509-968</del>		1		B	Salt Blended & on site	3700	lb			.15	555.00	
<del>500-153</del>		1		B	CFR-3 Blended	169	lb			4.85	819.65	
508-291		1		B	Gilsonite Blended w/ 150	750	lb			.40	300.00	
507-210		1		B	Flocele Blended /175	25	lb			1.65	41.25	
500-207		1		B	SERVICE CHARGE					1.35	553.50	
500-306		1		B	MILEAGE CHARGE					.95	193.45	
					TOTAL WEIGHT	33,938						
					LOADED MILES	12						
					TON MILES	203.628						
					CUBIC FEET	470						

ORIGINAL

No. B 232840

CONTINUATION TOTAL	4,388.35
	4568

**WELL DATA**

FIELD Chase silica SEC. 17 TWP. 20<sup>S</sup> RNG. 1W COUNTY Barton 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	24	5 1/2	KB-3	3288'	
LINER						
TUBING						
OPEN HOLE			7 1/2"	3288	3290	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>Wabe</u> <u>5 1/2</u>	<u>1</u>	<u>Howmed</u>
GUIDE SHOE <u>Reg</u> <u>5 1/2</u>	<u>1</u>	<u>Howmed</u>
CENTRALIZERS <u>Baker</u> <u>5 1/2</u>	<u>5</u>	<u>Baker</u>
BOTTOM PLUG		
TOP PLUG <u>SW</u> <u>5 1/2</u>	<u>1</u>	<u>Howmed</u>
HEAD		
PACKER		
OTHER <u>Ruskot</u> <u>5 1/2</u>	<u>2</u>	<u>Baker</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-20-94</u> TIME <u>2130</u>	DATE <u>5-20-94</u> TIME <u>0130</u>	DATE <u>5-20-94</u> TIME <u>0700</u>	DATE <u>5-20-94</u> TIME <u>0733</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>K. Richman #59734</u>	<u>40041 P.U.</u>	<u>Harps, KS</u>
<u>Barons #57220</u>	<u>51374 cont pump</u>	<u>"</u>
<u>L. Becker #43222</u>	<u>51252 cont bulk</u>	<u>"</u>
<u>Arundis #62732</u>	<u>41321 P.U.</u>	<u>Gr Banks</u>

**ORIGINAL**

**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 cmr  
 DESCRIPTION OF JOB cmr 5 1/2" long string

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

CUSTOMER REPRESENTATIVE X J. I. Lewis

HALLIBURTON OPERATOR Ken Puh... COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>175</u>	<u>NLC</u>	<u>T</u>	<u>B</u>	<u>18% salt, .5% cfr-3 - 1/4 flocc/5K</u>	<u>1.88</u>	<u>13.1</u>
<u>150</u>	<u>4/60</u>	<u>PO2</u>	<u>B</u>	<u>20% gal 18% salt - .75% cfr-3 54 gal/sk</u>	<u>1.38</u>	<u>14.4</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. 80.4  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 58.5 + 38.8  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 21.85' REASON Shoe Jt.

REMARKS Thank you  
 RECEIVED STATE CORPORATION COMMISSION  
**OCT 14 1994**

CONSERVATION D. WIGHTA, KANSAS

CUSTOMER: L D Davis  
 LEASE: 5 + 5 + 5  
 WELL NO: #  
 JOB TYPE: Long string  
 DATE: 5-20-94



JOB LOG HAL-2013-C

CUSTOMER L.D. DAVIS	WELL NO. #1	LEASE S+K	JOB TYPE Long String	TICKET NO. 621676
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
52094	2130							Called out to cmt @ 55" Long String & Float equip. Sent @ 1-4-8 58 & 59 2-Baskets @ 41 & 51, shoe vt 2185 5 1/2" 11" casing 3293' TO 3290' cmt w/ 175 HLC 18 70 50 11.5 CR3 1/4" flucle & 150SKS 40/60 28 gal 18 70 50 11.5 CR3 54 gal/sk.
	0130							
	0330							on loc, Rig crew laying down DA DA Layed down, Rig up to run casing
	0420							St. casing @ Guide shoe & Insert valve on 1st vt, TRKS on loc
	0600							Drop ball to knock out Auto fill tube casing to TD & hook up couldn't get plug container to screw into ldg vt
								800 Knock out Auto fill tube knock loose & take out plug container 40 sec w ldg vt
	0600		20					200 Hook up to casing pump salt flush
	0653		3					Plug Rat Hole
	0658							200 St. mix cmt 175 HLC & 150 SKS 40/60 PZ
	0700		96					0 cmt mixed, wash pump & line out Rel. plug
	0719							0 St. Displ.
	0730		80.5					1300 Plug down @ 3271' KB
	0733							Rel to trk float hold
	0750							Knock loose wash & rack up equip. Job complete
	0825							

ORIGINAL

RECEIVED STATE CORPORATION COMMISSION  
 [Signature]  
 OCT 14 1994





**HALLIBURTON ENERGY SERVICES**

FORM 1906 R-13

CHARGE TO: Orig  
 ADDRESS: 221 BOX 123 B  
 CITY, STATE, ZIP CODE: COVINGTON, LA 70330

COPY

TICKET

No. **599175 - 5**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>1111</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>S &amp; K</u>	COUNTY/PARISH <u>BAYLUM</u>	STATE <u>K</u>	CITY/OFFSHORE LOCATION	DATE <u>5-15-94</u>	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 <u>CS. TUCK</u>	RIG NAME/NO.	SHIPPED VIA <u>3244</u>	DELIVERED TO <u>LOUISIANA</u>	ORDER NO.
3.	WELL TYPE <u>CI</u>	WELL CATEGORY <u>CI</u>	JOB PURPOSE <u>OIO</u>	WELL PERMIT NO. <u>15-009-24574</u>	WELL LOCATION <u>17 - 20</u>	DATE RECEIVED <u>OCT 14 1994</u>	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
033 117		1			MILEAGE		3244		26/mc	275	71.50
033 118		1			PUMP CHARGE				333/ft	6,300.00	6,300.00
033 119		1			TOP PUMP - 15000				1/ft	95,000	95,000

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 <u>X Dusty Clark</u>	DATE SIGNED <u>5-14-94</u>	TIME SIGNED <u>2:00</u>	<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> 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	PAGE TOTAL <u>776.50</u>			
																OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						FROM CONTINUATION PAGE(S) <u>2229.31</u>	
																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		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>3025.31</u>	
																<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) <u>Dusty Clark</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Dusty Clark</u>	HALLIBURTON OPERATOR/ENGINEER <u>Wanda E. ...</u>	EMP # <u>38577</u>	HALLIBURTON APPROVAL <u>[Signature]</u>
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3025.31

15.009.24579.0000

MATERIALS  
and Halliburton will be  
the services are performed or

HALLIBURTON

TRK 51252-76103

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 599175

Under the provisions of the Federal or state statute...  
Halliburton Energy Services

CUSTOMER: L. D. Davis  
WELL: S & K #1  
DATE: 5-15-94  
PAGE 2 OF 2

REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
4-136		1		B	40/60 Pozmix Standard	250		6.08	1520.00
506-121		1		B	4sk Halliburton Gel02%				n/a
509-406		1		B	Calcium Chloride Blended	6		36.75	220.50
500-207		1		B	SERVICE CHARGE			1.35	353.70
500-306		1		B	MILEAGE CHARGE			95	135.11
					TOTAL WEIGHT				21,880
					LOADED MILES	13			
					TON MILES	142.220			

ORIGINAL

RECEIVED  
STATE DEPARTMENT OF REVENUE  
OCT 1 4 1994  
NATION

15.009.24579.0000

No. B 232833

CONTINUATION TOTAL 2,229.31



# JOB SUMMARY

DIVISION WICHITA  
HALLIBURTON LOCATION HAYS, KS

15.009.24579.0000

BILLED ON TICKET NO. 579

## WELL DATA

FIELD \_\_\_\_\_ SEC. 17 TWP. 20S RNG. 11W COUNTY. BARTON STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO 10624

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 \_\_\_\_\_

## JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>WOOD</u>	<u>1 HOWCO</u>
HEAD	<u>PC</u>	<u>1 "</u>
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 \_\_\_\_\_

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-14</u>	DATE <u>5-14</u>	DATE <u>5-18</u>	DATE <u>5-18</u>
TIME <u>1900</u>	TIME <u>2300</u>	TIME <u>0040</u>	TIME <u>0200</u>

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>W. WILSON</u>	<u>89377</u>	<u>HAYS, KS</u>
<u>J. BECKER</u>	<u>43222</u>	<u>"</u>
<u>D. ASH</u>	<u>E1604</u>	<u>"</u>

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 8 5/8" SURFACE CASING

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG.7ANN.

CUSTOMER REPRESENTATIVE X Dusty Clark

HALLIBURTON OPERATOR Wayne W. H. COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>250</u>	<u>40% P02</u>	<u>60% S10</u>	<u>B</u>	<u>290 GEL, 290 CC</u>	<u>1.30</u>	<u>13.96</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.) 20.0

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY (BBL.-GAL.) 579

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

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

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

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

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

FEET 15' REASON REGISTERED

REMARKS TOTAL PIPE - 336'

STATE CORPORATION COMMISSION

RECEIVED

UCT 14 1994

CONSERVATION DIVISION WICHITA, KANSAS

D. DAVIS  
LEASE  
SIX  
WELL NO.  
JOB TYPE  
8 5/8" SURFACE  
DATE  
5-14-94

**JOB LOG** FORM 2013 R-4

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
L.D. DAVES		1		S & K		8 5/8" SURFACE		599175	
CHART NO.	TIME	RATE (BPM)	VOLUME (BB) (GAL)	PUMPS:		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1900		1					CALLED OUT	
	2200							ON LOCATION - 250' CUT	
	0040							BREAK CIRCULATION - MUD PUMP	
	0052	6	0		✓	400		MIX CEMENT	
	0102		57.9					FINISH MIXING CEMENT	
	0103							RELEASE PLUG	
	0105	7	0		✓	350		DISPLACE PLUG - WASH UP ON TOP PLUG	
	0011		20					PLUG DOWN	
								CIRCULATED 15 SKS TO PCT	
								SHUT IN MANIFOLD	
								WASH UP	
								RACK UP	
	0200							JOB COMPLETE	
								ORIGINAL	
								THANK YOU	
								WAYNE WILSON	
								JOHN BAKER	
								DAN SASH RECEIVED	
								REGISTRATION COMMISSION	

OCT 14 1994