

CONFIDENTIAL

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- 187-20735-0000

County Stanton

ORIGINAL

App. SE SE NE Sec. 10 Twp. 29 Rge. 41 X E W

Operator: License # 5703

2100 Feet from S/N (circle one) Line of Section

Name: J.M. Huber Corproation

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

Address 7120 140 West

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

Suite 100 **KCC**

City/State/Zip Amarillo, Texas 79106 **MAY 20**

Lease Name Floyd Arnold Well # 10-1

Field: Arroyo (Morrow)

Purchaser: None (D&A) **CONFIDENTIAL**

Producing Formation None (D&A)

Operator Contact Person: William D. Siddens

Elevation: Ground 3377' KB 3388'

Phone (806) 353-9837

Total Depth 6000' PBSD -

Contractor: Name: Murfin Drilling Company

Amount of Surface Pipe Set and Cemented at 1664' Feet

License: 30606

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: None

If yes, show depth set _____ Feet

Designate Type of Completion

If Alternate II completion, cement circulated from _____

X New Well _____ Re-Entry _____ Workover _____

feet depth to _____ w/ _____ sx cmt.

_____ Oil _____ SWD _____ SLOW _____ Temp. Abd.

Drilling Fluid Management Plan D&A JH 8-23-94
(Data must be collected from the Reserve Pit)

_____ Gas _____ ENHR _____ SIGW

Chloride content _____ ppm Fluid volume _____ bbls

X Dry _____ Other (Core, WSW, Expl., Cathodic, etc.)

Dewatering method used **RELEASED**

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

Location of fluid disposal if hauled offsite: **JUN 14 1996**

Operator: _____

Operator Name _____

Well Name: _____

Lease Name _____ **FROM CONFIDENTIAL**

Comp. Date _____ Old Total Depth _____

_____ Quarter Sec. _____ Twp. _____ S Rge. _____ E/W

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

County _____ Docket No. _____

_____ Plug Back _____ PBSD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

4-17-94 4-28-94 5-01-94

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.

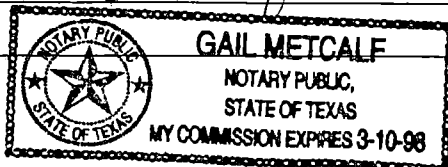
Signature Robert Cornelius Robert Cornelius

Title District Engineer Date 5-13-94

Subscribed and sworn to before me this 13th day of May, 19 94

Notary Public Gail Metcalf

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC _____ SWD/Rep
 KGS _____ Plug _____
Other (Specify) _____

RECEIVED
STATE CORPORATION COMMISSION
NGPA
MAY 31 1994
CONSERVATION DIVISION
Wichita, Kansas

Operator Name J.M. Huber Corporation Lease Name Floyd Arnold Well # 10-1
 Sec. 10 Twp. 29S Rge. 4 County Stanton
 East West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Log Formation (Top), Depth and Datums Sample

Name Top Datum

See Attachment

List All E.Logs Run:

DIL-SFL-GR
 LDL-CNL-GR
 SDT

CASING RECORD New 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
Conductor	30"	20"		40'	Redi-mix	3-1/2 yds	
Surface	12-3/4"	8-5/8"	23#	1664'	Howco	900	w/2% CaCl2 & 1/4# Flocele/sx

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
Perforate					
Protect Casing					
Plug Back TD					
Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Resumed Production, SWD or Inj. Production None (D&A) Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	N/A	N/A		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) Production Interval None (D&A)

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Attachment - ACO-1
Floyd Arnold 10-1

APZ#15-189-20735

Log

Name	Top	Datum
Chase	2234'	
Neva	2755'	
Wabaunse	2926'	
Topeka	3216'	
Heebner		
Lansing	3758'	3662'
Marmaton	4312'	
Cherokee	4530'	
Cherokee Marker	4674'	
Morrow	5020'	
Morrow C	5093'	
Morrow F	5363'	
Miss Chester	5501'	
St. Gen.	5511'	
Spergen	5770'	

KCC
MAY 20
CONFIDENTIAL

ORIGINAL

DST's

DST #1 5481-5510'

IHP: 2623 psi
 10 min. IFP: 267 - 267 psi
 30 min. ISIP: 1350 psi
 32 min. FFP: 400 - 593 psi
 30 min. FSIP: 1311 psi
 FHP: 2588 psi
 BHT: 123 deg F

Recovered: 120' GCMW w/trace of oil
 1230' GCSW w/trace of oil
 Total fluid - 1350'

DST #2 5555-5615'

IHP: 2646 psi
 10 min. IFP: 70 - 70 psi
 30 min. ISIP: 1839 psi
 60 min. FFP: 80 - 100 psi
 180 min. FSIP: 1501 psi
 FHP: 2633 psi
 BHT: 124 deg F

Recovered: 70' mud
 120' muddy wtr.
 190' total fluid

RELEASED

JUN 14 1996

FROM CONFIDENTIAL

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 31 1994
 CONSERVATION DIVISION
 Wichita, Kansas

NSAS
CORPORATION COMMISSION
Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-187-20735

LEASE NAME Floyd Arnold

TYPE OR PRINT
NOTICE: Fill out completely
and return to GORS. Div.
office within 30 days

WELL NUMBER 10-1

3180 Ft. from S Section Line

600 Ft. from E Section Line

LEASE OPERATOR J.M. Huber Corporation

ORIGINAL

SEC. 10 TWP. 29 RGE. 41 (E) or (W)

ADDRESS 7120 I-40 West, Suite 100, Amarillo, TX 79106

COUNTY Stanton

PHONE # (806) 353-9837 OPERATORS LICENSE NO. 5703

Date Well Completed 5-01-94

Character of Well D&A

KCC

Plugging Commenced 4-30-94

(Oil, Gas, O&A, SWD, Input, Water Supply Well)

Plugging Completed 5-01-94

The plugging proposal was approved on 4-30-94 (date)

MAY 20

by Glen Barlow (KCC District Agent's Name).

CONFIDENTIAL

is ACO-1 filed? Yes-Attached If not, is well log attached? Yes-Attached to ACO-1

Producing Formation None (D&A) Depth to Top _____ Bottom _____ T.D. 6000'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				8-5/8"	1664'	-0-

RELEASED

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plug were used, state the character of same and depth placed, from _____ feet to _____ feet each set

JUN 14 1996

Plug #1 @ 5300' w/50 sx cmt, Plug #2 @ 1690' w/50 sx cmt,
Plug #3 @ 600' w/50 sx cmt, Plug #4 @ 40' w/10 sxs cmt.
10 sx cmt in mousehole and 15 sx cmt in rathole.

FROM CONFIDENTIAL

Name of Plugging Contractor Murfin Drilling Company License No. 30606

Address 250 N. Water, Suite 300, Wichita, Ks. 67202

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES Robert Cornelius

STATE OF Texas COUNTY OF Potter, ss.

J. M. Huber Corporation (Employee of Operator) or (Operator) of above-described well, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

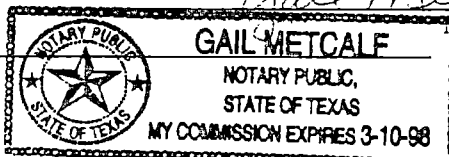
(Signature) Robert Cornelius Robert Cornelius

(Address) 7120 I-40 West, Suite 100

SUBSCRIBED AND SWORN TO before me this 13th day of May, 1994

My Commission Expires: _____

USE ONLY ONE SIDE OF EACH FORM



RECEIVED
STATE CORPORATION COMMISSION
MAY 31 1994

Form GP-4
Revised 05-88
Wichita, Kansas



HALLIBURTON

ORIGINAL CONFIDENTIAL

INVOICE

INVOICE NO.	DATE
663979	04/19/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
FLOYD ARNOLD 10-1		STANTON		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
LIBERAL		MURFIN		CEMENT SURFACE CASING	
TICKET DATE		04/19/1994			
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
405960	AL WYATT		B1-00439	COMPANY TRUCK	68092

J N HUBER CORPORATION
ATTN JERRY TROUT
P O BOX 888
SPEARMAN, TX 79081

KCC
MAY 20
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	40	MI	2.75	110.00
		1	UNT		
001-016	CEMENTING CASING	1645	FT	1,220.00	1,220.00
		1	UNT		
16A	CASING SCKE - 8 5/8" BRD THD.	1	EA	161.00	161.00
830.2171					
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1	EA	171.00	171.00
815.19502					
27	FILL-UP UNIT 7" - 8 5/8"	1	EA	55.00	55.00
815.19415					
66	CLAMP-LIMIT-8-5/8 HINGED	2	EA	13.75	27.50
806.72050					
40	CENTRALIZER-8-5/8 X 12	1	EA	72.00	288.00
806.60059					
001-018	CEMENTING CASING - ADD HRS	1	HR	233.00	470.00
		2	UNT		
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	28.25	141.25
000-120	DELIVERY CHARGE (SMALL UNIT)	80	MI	1.60	128.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8	IN	130.00	130.00
		1	EA		
504-050	CEMENT - PREMIUM PLUS	350	SK	9.96	3,486.00
504-120	CEMENT - HALL. LIGHT PREM PLUS	550	SK	8.75	4,812.50
507-210	FLOCELE	175	LB	1.40	245.00
509-406	ANHYDROUS CALCIUM CHLORIDE	13	SK	28.25	367.25
500-207	BULK SERVICE CHARGE	939	CFT	1.35	1,266.30
500-306	MILEAGE CHRG MAT DEL OR RETURN	648.36	THI	.95	605.94

INVOICE SUBTOTAL

13,884.74

RECEIVED
STATE CORPORATION COMMISSION

MAY 31 1994

***** CONTINUED ON NEXT PAGE *****

AFFIX JOB TKT

TERMS: 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 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.

CONSERVATION DIVISION
Wichita, Kansas

PAGE: 1

CUSTOMER COPY



HALLIBURTON

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

CONFIDENTIAL

INVOICE NO.	DATE
663979	04/19/1994

WELL LEASE NO./PROJECT FLOYD ARNOLD 10-1		WELL/PROJECT LOCATION STANTON		STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR MURFIN	JOB PURPOSE CEMENT SURFACE CASING		TICKET DATE 04/19/1994
ACCT. NO. 405960	CUSTOMER AGENT AL WYATT	VENDOR NO.	CUSTOMER P.O. NUMBER R1-00439	SHIPPED VIA COMPANY TRUCK	FILE NO. 68092

J. M. HUBER CORPORATION
ATTN JERRY TROUT
P O BOX 888
SPEARMAN, TX 79081

ORIGINAL

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)				5,271.25-
	INVOICE BID AMOUNT				8,613.49
	*-KANSAS STATE SALES TAX				363.47
	*-SEWARD COUNTY SALES TAX				74.20
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$9,051.16

RELEASED
JUN 14 1996
FROM CONFIDENTIAL

AFFIX JOB TRK

TERMS: 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 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.



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: J. M. Huber Corp
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CONFIDENTIAL

No.

TICKET

663979 - 8

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Liberaks 025340</u>	WELL/PROJECT NO. <u>10-1</u>	LEASE <u>Floyd Arnold</u>	COUNTY/PARISH <u>Johson</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>4-19-94</u>	OWNER <u>same</u>
2. <u>Huggtowns 025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Murfin Dalg</u>	RIG NAME/NO. <u>Murfin Dalg #22</u>	SHIPPED VIA <u>Location</u>	DELIVERED TO	ORDER NO.
3.	<input type="checkbox"/> SALES		WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION <u>10-29-41</u>
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>cmr 8 5/8 surface pipe</u>					

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE 52947 RCM	40	mi			2.75	110.00
001-016		1			Pump Service	1665	FT			1220.00	1220.00
16A	830.2171	1		25	Shoe Texas Pattern	1	EA	8 5/8	in	161.00	161.00
24A	815.19502	1		25	Insect Float	1	EA	24	in	171.00	171.00
27	815.19415	1		25	Fillup.	1	EA			55.00	55.00
66.	806.72050	1		25	FA grip	2	EA	8 5/8	in	13.75	27.50
40	806.60059	1		55	g-y cont.	4	EA	8 5/8	in	72.00	288.00
001-018		1			Add Hours	2	EA			235.00	470.00
509-406	890.50812	1			Calicum Chloride	4	rolls			28.25	141.25
000-130		1			Delivery Charge	80	mi			1.60	128.00
030-018		1			Top plug	1	EA	8 5/8			130.00

CONFIDENTIAL
 MAY 20
 RCC
 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 4-19-94 TIME SIGNED 0810

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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 2901.75

FROM CONTINUATION PAGE(S) 10982.99

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 13,884.74

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>Allen F. Werth</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X [Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>Allen F. Werth 86101</u>	EMP # <u>86101</u>	HALLIBURTON APPROVAL <u>7403892 FE-ND</u>
--	--	--	-----------------------	--



JOB SUMMARY

HALLIBURTON DIVISION MID Cont
 HALLIBURTON LOCATION Liberal Ks

BILLED ON TICKET NO. 662979

WELL DATA

FIELD _____ SEC. 10 TWP. 29 RNG. 41 COUNTY Johnson 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 1665

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8-5/8	KB	1664	
LINER						
TUBING						
OPEN HOLE				1664	1665	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE: <u>4-19-94</u>	DATE: <u>4-19-94</u>	DATE: <u>4-19-94</u>	DATE: <u>4-19-94</u>
TIME: <u>0230</u>	TIME: <u>0200</u>	TIME: <u>0630</u>	TIME: <u>1900</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Tex Pat.</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>5-4</u>	<u>4</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>Swiper</u>	<u>1</u>	<u>Howco</u>
HEAD		
PACKER		
OTHER <u>FAS-grip</u>	<u>2</u>	<u>Howco</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 _____

NAME	UNIT NO. & TYPE	LOCATION
<u>A. J. Worth 40087</u>	<u>RU. 40087</u>	<u>Hays Ks</u>
<u>R. Crist 07653</u>	<u>75496 ml</u>	<u>Liberal Ks</u>
<u>D. McIntyre 09204</u>	<u>5303</u>	<u>Huggdon Ks</u>
<u>D. Carpening 02720</u>	<u>7305</u>	<u>11 Huggdon Ks</u>
<u>G. McIntyre 63755</u>	<u>6612 ml</u>	<u>1149 ton</u>

KCC

MAY 2 0

DEPARTMENT CONFIDENTIAL
 DESCRIPTION OF JOB 8-5/8 SURFACE PIPE

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

CUSTOMER REPRESENTATIVE X Allgato

HALLIBURTON OPERATOR Allen F. Worth

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>550</u>	<u>Prem + LC</u>	<u>Port</u>	<u>B</u>	<u>2% cc 1/4" Floccle/sk</u>	<u>RELEASED</u>	<u>2.1</u>
	<u>150</u>	<u>Premt</u>	<u>Port</u>	<u>B</u>	<u>2% cc</u>		<u>1.32</u>
	<u>200</u>	<u>Premt</u>	<u>Port</u>	<u>B</u>	<u>3% cc</u>		<u>1.32</u>

JUN 14 1996

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET 35.15 REASON Shoe Joint

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 CEMENT SLURRY: BBL.-GAL. 287.97
 TOTAL VOLUME: BBL.-GAL. _____

FROM CONFIDENTIAL

REMARKS

see Job Log & Chart

MAY 31 1994

CONSERVATION DIVISION
 Wichita, Kansas



JOB LOG FORM 2013 R-4

CUSTOMER J.M. Huber	WELL NO. # 10-1	LEASE Flyod Arnold	JOB TYPE 8 5/8 surface	TICKET NO. 663979
------------------------	--------------------	-----------------------	---------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0230 0700							Called out. on hoc w/ Equip. + cement 550 ^{SKs} Prem + LC 2%cc 1/4" Floccle/sk. 150 ^{SKs} Prem + 2%cc 200 ^{SKs} Prem + Set up + Plan Job. Circ on Bot 1665' w/ O.P. Pull Pipe Start 8 5/8 csg 24". Run Float Equip. 1- Tex pat. shoe 4 cement. + insert w/ Fill up. Pipe on Bottom
	0715 0845							KCC MAY 20 CONFIDENTIAL Hook up to mud Hog + start circ. Hook up to Pump truck + start to mix 550 Prem + LC w/ 2% CC 1/4" Floccle, 150 SKs Prem + w/ 2%cc Loose circ when, start mixing. 150 SKs
	1103	5					200"	250" 50" 50" 400" Fin mix Release Swiper Plug, + Start Disp. Slow Rate to 18BPM Last 15 BBLs Plug down - Release Float Held. 200 SKs Prem + on hoc ordered CC For 200SKs Prem + tag cement w/ 1" pipe @ 250' Pump 1 BBL water ahead of cement. start mix 200SKs prem + 3%cc Pump @ 18BPM @ 200" Increase Rate to 28BPM @ 500" Cement circ. to pit Finish pumping - mixed all 200 SKs cement settles a few feet job complete
2	1600	1 2	104					RELEASED JUN 14 1996 FROM CONFIDENTIAL thanks Allen, Ron,
	1900							RECEIVED STATE CORPORATION COMMISSION MAY 31 1994 CONSERVATION DIVISION Wichita, Kansas