

ORIGINAL

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

CONFIDENTIAL

API NO. 15- 187-20,742-0000

County Stanton

C NE NE - Sec. 28 Twp. 29 Rge. 39 X ^E _W

Operator: License # 9953

Name: Harris Oil & Gas Co.

Address 1125 17th Street,

Suite 2290

City/State/Zip Denver, CO 80220

Purchaser: KOCH OIL COMPANY

Operator Contact Person: Bud Harris

Phone (303) 293-8838

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: DAN SOMMER

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.

Gas EMHR S10W

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 PBT

Cemented. Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

05-12-94 05-22-94 6-15-94

Spud Date Date Reached TD Completion Date

660 Feet from S (circle one) Line of Section

660 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

SE, SW or NW (circle one)

Lease Name McPherson College Well # A2-28

Field Name WEST BIG BOW

Producing Formation ST. LOUIS

Elevation: Ground 3170 KB 3182

Total Depth 5775 PBT

Amount of Surface Pipe Set and Cemented at 1682 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3093 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan ALT 1 J 2 11-7-94
(Data must be collected from the Reserve Pit)

Chloride content 6000 ppm Fluid volume 2500 bbls

Dewatering method used CUT WINDOWS IN WALL TO AID IN
NATURAL DEWATERING AND EVAPORATION.

Location of fluid disposal if hauled offsite: _____

RELEASED

KCC

Operator Name _____

Lease Name III 2 6 1995 License No. JUN 23

Quarter Sec. Twp. CONFIDENTIAL

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 W.G. Harris III

Title PRESIDENT Date 6-23-94

Subscribed and sworn to before me this 23 day of JUNE 19 94.

Notary Public ALICENE BERRY

Date Commission Expires NOVEMBER 23, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Received
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep
 KGS Plug
JUL 05 1994
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

PI

Operator Name Harris Oil & Gas Co. Lease Name McPherson College Well # A2-28
 Sec. 28 Twp. 29 Rge. 39 East West
 County Stanton

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 type="checkbox"/> Yes <input checked="" 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	HEEBNER	3760	-574
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LANSING	3856	-670
List All E.Logs Run:		KC A	4226	-1040
		KC B	4274	-1088
		MARMATON	4432	-1246
		CHEROKEE	4686	-1500
		ATOKA	4810	-1624
		MORROW	5146	-1960
		CHESTER	5531	-2345
		ST. GEN	5582	-2396
		ST. LOUIS	5668	-2482

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	24#	1682	HLC "C"	575 150	
Production	7-7/8"	5 1/2"	15.5#	5742	"H"	125	5%KEL .6%Halid

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	150'-3093'	Lite Class C	250	63 lbs Flocele

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	
	4SPF	5669'	5678'	NATURAL

TUBING RECORD	Size 2 7/8	Set At 5670	Packer At 5619	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	6-17-94			
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 280	Bbls.	Gas FSTM	Mcf Water TR.
			Bbls.	Gas-Oil Ratio 41

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

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

Production Interval: 5669'78'

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GEOLOGICAL ANALYSIS AND WELL REPORT

FOR

HARRIS OIL AND GAS COMPANY

API#15-187-20742

MCPHERSON COLLEGE #A2-28

NE NE

Section 28, Township 29 South, Range 39 West
Stanton County, Kansas

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JUL 26 1995

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JUN 23

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Submitted by: Daniel R. Sommer

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GENERAL INFORMATION

Operator: Harris Oil and Gas Company

Elevation: G.L. 3170' K.B. 3186'
(all measurements are from K.B.)

Contrator: Duke Drilling Co., Inc.
Rig #5

Surface Casing: 8-5/8" set @ 1686'

Total Depth: R.T.D. 5775' L.T.D. 5767'

Drilling Time: 4000'-5775'

Samples Examined: 4000'-5775'

Geological Supervision: 4000'-5775'

DST Company: None taken

Mud Company/Mud Type: NL Baroid - Liberal, KS/Chemical
Engineer: Tom Bradford

Electric Log Company: Schlumberger W & T - Liberal, KS

Sample Status: 10' dry cut submitted to K.G.S. sample library in
Wichita, KS

Well Status: 5 1/2" producing casing set @ 5775' on May 23, 1994.

Date Spudded: Wednesday, May 11, 1994 - MIRT, RU, drill Rathole
and Mousehole.

Thursday, May 12, 1994 - Spud at 9:00 A.M., drilling
ahead, survey - 3/4 degree @ 518' - 3/4 degree
@ 1007', drilling ahead.

Friday, May 13, 1994 - T.D. 1575' (6:00 A.M.)
drilling ahead, Survey - 1 degree @ 1686', TOH, RU
and run 37 jts 8-5/8" 24# J-55 casing-tallied at
1667.46 and set @ 1682', Halliburton cemented with
575 sx Lite w/2% cc and 1/4# flocele followed by
150 sx Class C w/2% cc, good circulation - Plug
down @ 1:15 P.M., WOC.

Saturday, May 14, 1994 - T.D. 2140' (6:00 A.M.)
drilling ahead, survey - 3/4 degree @ 2207'
3/4 degree @ 2700', drilling ahead.

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Sunday, May 15, 1994 - T.D. 3075' (6:00 A.M.),
drilling ahead.

Monday, May 16, 1993 - T.D. 3790' (6:00 A.M.),
drilling ahead.

Tuesday, May 17, 1994 - T.D. 4360' (6:00 A.M.),
drilling ahead, survey - 1 degree @ 4381', drilling
ahead.

Wednesday, May 18, 1994 - T.D. 4740' (6:00 A.M.)
drilling ahead.

Thursday, May 19, 1994 - T.D. 5075' (6:00 A.M.),
drilling ahead, surveys - 1 degree @ 5186' -
1 degree @ 5279' - 3/4 degree @ 5372', drilling
ahead.

Friday, May 20, 1994 - T.D. 5425' (6:00 A.M.),
drilling ahead.

Saturday, May 21, 1994 - T.D. 5710' (6:00 A.M.).
drilling ahead, CFS @ 5770', drilling ahead,
R.T.D. 5775' @ 1:00 P.M., condition hole for logs,
ran logs, L.T.D. 5767'; condition hole for casing,
lay down drill pipe.

Sunday, May 22, 1994 - T.D. 5775' (6:00 A.M.), RU
and run 150 jts 5 1/2" 15.5# J-55 LT&C - B grade casing -
tallied @ 5787' and set @ 5775', port collar @ 3116,
Halliburton cemented with 10 bbls Superflush and 125
sx Class H w/5% KCl and 6/10% Halad 322 - good
circulation - pipe free - plug down @ 4:45 P.M.,
May 22, 1994 - set slips, released rig.

Reference Well:

Harris Oil and Gas Co.
McPherson College #2-27
NW NW
Section 27, T29S-R39W
Stanton County, Kansas
K.B. 3212'

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FORMATION TOPS

K.B. 3186'

Formation	Sample Top	E-log Top	Datum (Log)	Reference Well	Reference Datum
Heebner	NA	3760	-574	NA	NA
Lansing	NA	3856	-670	NA	NA
Kansas City 'A'	4220	4226	-1040	-1048	+8
Kansas City 'B'	4262	4274	-1088	-1091	+3
Marmaton	4434	4432	-1246	-1258	+12
Marmaton Porosity	4474	4470	-1284	-1292	+8
Cherokee	4696	4686	-1500	-1506	+6
Atoka	4805	4810	-1624	-1632	+8
Morrow	5142	5146	-1960	-1970	+10
Lower Morrow	5434	5436	-2250	-2256	+6
Chester	5532	5531	-2345	-2365	+20
Ste Genevieve	5590	5582	-2396	-2381	-15
St. Louis 'B'					
porosity	5662	5668	-2482	-2502	+20
R.T.D.	5775	5775	-2589	-	-
L.T.D.	-	5767	-2581	-	-

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GEOLOGIC SUMMARY

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The McPherson College "A" #2-28 was drilled as a pool extension well in the West Big Bow Field. The primary objective was Mississippian St. Louis "B" porosity.

The McPherson College "A" #2-28 was spudded on May 12, 1994 and reached total depth on May 22, 1994.

A geologist was on location from 4000' to 5775'. Samples of ten foot intervals were examined from 4000' to 5775'.

The St. Louis "B" was encountered from 5668'-5677'. It consisted of an oolitic grainstone described as limestone: white, cream, fine to medium crystalline with abundant medium oolites, occasional fossiliferous. Many oolites exhibited dark staining within very good interoolitic porosity. In addition, some fair to good moldic porosity was noted. Selected chips had spotted to even gold fluorescence and streaming to flash cuts. Logs show this interval to have 10-15% Crossplot Porosity and corresponding resistivity values of 16-40 ohms. Assuming an R_w of .05, S_w 's are in the 20-50% range.

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Structurally, the subject well was 50 feet high to the nearest producer and reference well (McPherson College #2-27, NW. NW 27-29S-39W) on the St. Louis datum.

Based on positive structural positioning, sample examination, and E-log evaluation it was recommended that 5½" producing casing be set to further evaluate the St. Louis at 5668'-78'.

Respectfully Submitted,

Daniel R. Sommer
Wellsite Geologist

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CONSERVATION DIVISION
Wichita, Kansas



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

COPY

TICKET

No. 677491 - 1

FORM 1906 R-13

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

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 Wichita Kansas

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
					MILEAGE						
					Pump chg ch,						

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

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?				FROM CONTINUATION PAGE(S)
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
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				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
		<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) _____ CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) **X** _____ HALLIBURTON OPERATOR/ENGINEER _____ EMP # _____ HALLIBURTON APPROVAL _____



TICKET CONTINUATION

DUNCAN COPY

TICKET No. 627491

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Harris Oil & Gas	WELL McPherson	DATE 6-7-94	PAGE OF 2 2
------------------------------	-------------------	----------------	------------------

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
504-118					Halliburton Light Cement	200	sk	8.90	1780.00
504-043	516.00272								
506-105	516.00286								
506-121	516.00259								
504-043	516.00272				Premium Cement	50	sk	9.82	491.00
507-210	890.50071				Flocele 1/4#/250sk	63	lb	1.65	103.95
					SERVICE CHARGE				
					MILEAGE CHARGE				
					TOTAL WEIGHT				
					LOADED MILES				
					CUBIC FEET				
					TON MILES				

FROM CONFIDENTIAL

JUL 2 6 1995

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500-20
500-30

JUL 05 1994

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Conservation Division
Wichita, Kansas

No. B 25581

CONTINUATION TOTAL 2905.01



JOB SUMMARY

HALLIBURTON DIVISION Wichita, Kansas
 HALLIBURTON LOCATION Wichita, Kansas

BILLED ON TICKET NO. 622191

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY stanton 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			5 1/2	0	1150	
LINER						
TUBING			2 1/4	0	30.3	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

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

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-19-94</u>	DATE <u>6-19-94</u>	DATE <u>6-1-94</u>	DATE <u>6-14-94</u>
TIME <u>4:00</u>	TIME <u>06:00</u>	TIME _____	TIME <u>10:5</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

RELEASED

DEPARTMENT _____

DESCRIPTION OF JOB JUL 2 6 1995

FROM CONFIDENTIAL

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

CUSTOMER REPRESENTATIVE X Roger Pearson

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	500	Shur-C		2	KCC		
	50	#		5			

JUN 23

CONFIDENTIAL

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

JUL 20 1994

WICHITA DIVISION
 WICHITA, KANSAS

CUSTOMER _____

LEASE _____

WELL NO. _____

JOB TYPE _____

DATE _____



JOB SUMMARY

HALLIBURTON DIVISION
 HALLIBURTON LOCATION

WELL NO. _____

BILLED ON TICKET NO. 022 191

WELL DATA

FIELD _____ SEC _____ TWP. _____ RNG. _____ COUNTY Kansas STATE Oklahoma

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					70	
LINER						
TUBING					3	
OPEN HOLE						SHOTS/FT.
PERFORATIONS	CONFIDENTIAL					
PERFORATIONS	CONFIDENTIAL					
PERFORATIONS	CONFIDENTIAL					

JOB DATA

TOOLS AND ACCESSORIES

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

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE: _____ TIME: _____	DATE: _____ TIME: _____	DATE: _____ TIME: _____	DATE: _____ TIME: _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

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. _____
 PERFFAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT: **JUN 23**

DESCRIPTION OF JOB: **CONFIDENTIAL**

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

CUSTOMER REPRESENTATIVE: **X** *[Signature]*

HALLIBURTON OPERATOR: _____ COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
10		H			RELEASED		
30		H			JUN 26 1995		

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS: **JUL 05 1994**

CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER
 LEASE
 WELL NO.
 JOB TYPE