

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

Operator: License # 5225  
 Name: Quinque Operating Company  
 Address P. O. Box 2738  
Liberal, KS 67905-2738  
 City/State/Zip \_\_\_\_\_

Purchaser: \_\_\_\_\_

Operator Contact Person: Michael Moore

Phone ( 316 ) 624-2578

Contractor: Name: Beredco, Inc.

License: 5147

Wellsite Geologist: Marvin Harvey

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

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

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

**KCC**

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBSD

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

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

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

12-7-93 12-16-93 1-20-94  
 Spud Date Date Reached TD Completion Date

API NO. 15- 119-20877-00-00

County Meade

C SE SE Sec. 8 Twp. 35 Rge. 30  <sup>E</sup>

660 Feet from  NW (circle one) Line of Section

660 Feet from  EW (circle one) Line of Section

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

Lease Name Adams Well # 2-8

Field Name Adams Ranch

Producing Formation Morrow & Chester

Elevation: Ground 2415' KB 2428'

Total Depth 6380' PBSD 5769'

Amount of Surface Pipe Set and Cemented at 1500' 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 6-28-94  
 (Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 2000 bbls

Dewatering method used Evaporation

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

**RELEASED**

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

**MAY 24 1995**

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

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ <sup>E</sup> <sub>W</sub>

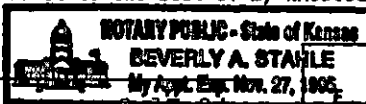
**FROM CONFIDENTIAL**

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 [Signature]  
 Title President  
 Date 3-17-94



Subscribed and sworn to before me this 17 day of March  
 19 94.

Notary Public Beverly A. Stahle  
 Beverly A. Stahle

Date Commission Expires 11-27-95

**RECEIVED**  
 K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached   
 Wireline Log Received   
 Geologist Report Received   
**MAR 18 1994**  
 5-18-94  
 DISTRIBUTION  
 KCC  
 KGS  
 SVD/Rep  
 Plug  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 (Specify)

CONFIDENTIAL

ORIGINAL

SIDE TWO

Operator Name Quinque Operating Company

Lessee Name Adams

Well # 2-8

Sec. 8 Twp. 35 Rge. 30  
 East  
 West

County Meade, Kansas

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

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

DIL SONIC  
MICROLOG  
CDNL  
GRCL/CBL

Name	Top	Datum
Heebner Shale	4206'	-1778
Toronto	4252'	-1824
Lansing	4355'	-1927
Marmaton	5078'	-2650
Novinger	5178'	-2750
Cherokee Shale	5301'	-2873
Keating	5459'	-3031
Morrow Shale	5656'	-3228
Chester	5788'	-3360
St. Genevieve	6111'	-3683
St. Louis	6186'	-3758

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"			
Surface	12 1/4"	8 5/8"	24#	1500'	Premium Plus lite		w/2% calc chlor 1/4# per sack of flow seal
Production	7 7/8"	4 1/2"	140.5#	6063'	Premium Plus w/10% EAI		- 15% salt .6% Halad 322

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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
2	5832' to 5838' 5812' to 5828'	2500 gal. 15% MCA acid w/1 gal. 10 surf. 3000 2 gal. HAI-60 & 60 BS	
2	5701' to 5703' 5711' to 5713'	7.5% MCA acid w/clay sta II clay fix II & HAI 60 Frac Procedure on addtl. page	

TUBING RECORD Size 2 3/8" Set ARATS A YHE Recker (At) 6093 NS. 2 3/8 5634 Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 3-21-94 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		250	0		

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 5701-5838

**ORIGINAL**

**CONFIDENTIAL**

Adams #-28  
Meade County, Kansas

API # 15-119-20877

Frac procedure - frac down casing as follows:

14,006 gal pad - Boragel G 3.5195, avg. rate 19.6 BPM, avg. psi 1655;  
11,366 gal Boragel G 3.5195 w/ 1-5 lb./gal of 20/40 white sand  
(30,347# avg. rate 22.5 BPM, avg. psi 2046;  
7990 gal Boragel G 3.5195 w/5 lb/gal of 20/40 white sand (36,594#  
avg. rate 22.6 BPM, avg. psi 1806); flush w/3922 gal Boragel 3.5195  
avg. rate 21.8 BPM, avg. psi 1802; tot 37,284 gal Boragel and 66,941  
lb. sand;

**KCC**

**MAR 17**

**CONFIDENTIAL**

**RELEASED**

**MAY 24 1995**

**FROM CONFIDENTIAL**

**RECEIVED**  
STATE CORPORATION COMMISSION

**MAR 18 1994**

CONSERVATION DIVISION  
Wichita, Kansas



HALLIBURTON

INVOICE

ORIGINAL

CONFIDENTIAL

INVOICE NO.	DATE
574505	12/17/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ADAKS 2-8		MEADE		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
LIBERAL				CEMENT PRODUCTION CASING	
				TICKET DATE	
				12/17/1993	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
712202	ROGER FEARSON			COMPANY TRUCK	61261

QUINQUE OPERATING COMPANY  
P O BOX 2738  
LIBERAL, KS 67905-2738

KCC

MAR 17

DIRECT CORRESPONDENCE TO:

OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE CEMENTING ROUND TRIP	40	MI	2.75	110.00
001-016	CEMENTING CASING	1	UNT		
		6075	FT	1,955.00	1,955.00
030-018	CEMENTING PLUG SW, PLASTIC TOP	1	UNT		
		4.5	IN	55.00	55.00
018-315	MUD FLUSH	1	EA		
218-738	CLAYFIX II	420	GAL	.65	273.00
12A	GUIDE SHOE - 4 1/2" BRD THD.	12	GAL	24.00	288.00
825.201		1	EA	95.00	95.00
24A	INSERT FLOAT VALVE - 4 1/2" BRD	1	EA	73.00	73.00
815.19101		1	EA	45.00	45.00
27	FILL-UP UNIT 4 1/2"-5"	1	EA	45.00	45.00
815.19111		1	EA	45.00	45.00
40	CENTRALIZER 4-1/2 X 7 7/8 8.44	12	EA	43.00	516.00
807.93004		12	EA	25.50	306.00
56	WALL CLEANER CABLE TYPE 4 1/2"	12	EA	25.50	306.00
807.2003		1	EA	11.20	11.20
68	FASGRIP LIMIT CLAMP 4 1/2"	1	EA	11.20	11.20
807.64021		1	EA	11.20	11.20
350	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802		1	LB	14.50	14.50
504-050	CEMENT - PREMIUM PLUS	250	SK	9.22	2,305.00
507-775	HALAD-322	141	LB	6.90	972.90
508-127	CAL SEAL 60	24	SK	20.70	496.80
509-968	SALT	24	SK	20.70	496.80
500-207	BULK SERVICE CHARGE	312	LB		275.34
500-306	MILEAGE CMTG MAT DEL OR RETURN	718.0545	MI	.95	421.20

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

RECEIVED  
DEC 27 1993  
By \_\_\_\_\_

RECEIVED  
CORPORATION COMMISSION  
MAR 18 1994

INVOICE SUBTOTAL

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

CONSERVATION DIVISION  
Wichita, Kansas

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.

INVOICE



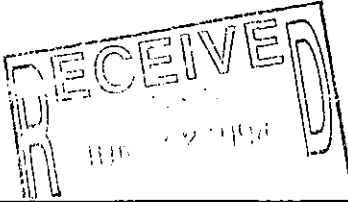
DALLAS, TX 75395-1046

INVOICE NO.	DATE
649715	12/07/1993

WELL LEASE NO./PROJECT DAMS 2-8		WELL/PROJECT LOCATION MEADE		STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR BEREDCO 5	JOB PURPOSE CEMENT SURFACE CASING		TICKET DATE 12/07/1993
ACCT. NO. 69433	CUSTOMER AGENT STAN WYCKOFF	VENDOR NO. ENTERED	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 60601

4004036

BEREDCO  
401 E. DOUGLAS  
SUITE 402  
WICHITA, KS 67202



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

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
RICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	40	MI	2.75	110.00
001-016	CEMENTING CASING	1504	FT	1,220.00	1,220.00
030-018	CEMENTING PLUG SW, PLASTIC TOP	1	UNT	130.00	130.00
12A	GUIDE SHOE - 8 5/8" BRD THD.	1	EA	216.00	216.00
825.217					
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					
40	CENTRALIZER-8-5/8 X 12-1/4	3	EA	72.00	216.00
806.60059					
504-050	CEMENT - PREMIUM PLUS	150	SK	9.22	1,383.00
504-120	CEMENT - HALL. LIGHT PREM PLUS	510	SK	8.21	4,187.10
507-210	FLOCELE	128	LB	1.40	179.20
509-406	ANHYDROUS CALCIUM CHLORIDE	12	SK	28.25	339.00
500-207	BULK SERVICE CHARGE	693	CFT	1.35	935.55
500-306	MILEAGE CMTB MAT DEL OR RETURN	1710.39	TMI	.95	1,624.87

BY  
KCC  
MAR 17  
CONFIDENTIAL

INVOICE SUBTOTAL	BEREDCO INC	GL DATE: 931231	10,766.72
DISCOUNT-(BID)	MAJOR 8002	MINOR 1005	3,230.01-
INVOICE BID AMOUNT	RIG #	WELL 59316	7,536.71
*-KANSAS STATE SALES TAX	VENDOR # 76	APPROVED [Signature]	323.70
*-SEWARD COUNTY SALES TAX			66.05

RELEASED  
MAY 24 1995

RECEIVED DEC 10 1993

RECEIVED  
STATE CORPORATION COMMISSION  
\$7,926.46

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

JUN 27 1994

CHARGE TO: Berkeley  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

COPY

TICKET

No.

649715 - 0

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS 1. <u>025510</u>	WELL/PROJECT NO. <u>2-8</u>	LEASE <u>Adams</u>	COUNTY/PARISH <u>Sevier</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>12-7-93</u>	OWNER <u>Berkeley</u>
2. <u>025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Berkeley</u>	RIG NAME/NO. <u>5</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION	RECEIVED OPERATIONAL TRANSMISSION JUN 27 1994 CONSERVATION DIVISION Kansas	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT.	DF							
000-117		1			MILEAGE	1	hr	40		2.25	90.00
001-016					Pump Charge	6	hr	15.00			90.00
030-012					5.0 Top Plug	1	ea	8.50			8.50
12A	825-217				Grade Shoe	1	ea	2.50			2.50
24A	815-19502				insert flat	1	ea	2.50			2.50
22	815-19415				Elkup	1	ea	8.50			8.50
40	806-60059				Central 200	3	ea	8.50		22	25.50

ORIGINAL

KCC

MAR 17

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RELEASED

MAY 24 1995

CONFIDENTIAL

**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 Stan Wyzanski  
 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 \_\_\_\_\_  
 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?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 1958.00  
 FROM CONTINUATION PAGE(S): 8648.60  
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 106026.60

**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>Stan Wyzanski</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Stan Wyzanski</u>	HALLIBURTON OPERATOR/ENGINEER <u>Robert J. Lusk</u>	EMP # <u>D4033</u>	HALLIBURTON APPROVAL
---	--	--	-----------------------	----------------------

JOB LOG FORM 2013 R-4

CUSTOMER *Brookline* WELL NO. *28* LEASE *Adams* JOB TYPE *8 1/2 sucker* TICKET NO. *649215*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	09:00							Called O&I
	09:10							ON location, rig drilling
	09:20							Start casing, run blocking agent
	10:30							Casing on bottom
	10:35							hook up iron, rig circulating
	10:45							hook up iron, to test
	10:46	65	182				250	Start lead cement
	11:08	6	35				300	Start Tail Cement
	11:13						0	Shut down, Deep Sea Plug
	11:15	6	83				200	Start water displacement
	11:33	6	3				400	Cement Circulated to surface
	11:34	3	2				400	Slowed rate
	11:37						400	Plug loaded
	11:39						200	Pressured up
	11:38							released pressure, Standstill
	11:45							Sub Complete
								Thanks for calling
								Halliburton
								Richard
								& Co.

ORIGINAL

KCC  
MAR 17  
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RELEASED

MAY 24 1995

FROM CONFIDENTIAL

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STATE CORPORATION COMMISSION

JUN 27 1994

CUSTOMER

CONSERVATION DIVISION  
Wichita, Kansas

**TICKET CONTINUATION**

COPY

TICKET No. 649215

FORM 1911 R-8

CUSTOMER		WELL		DATE		PAGE		OF		
Berexco		Adams 2-8		12-7-93		2		2		
PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M		
504-050	516.00265					150	sk	9.22	1383	
504-120						510	sk	8.21	4187	
504-050	516.00265									
506-105	516.00286									
506-121	516.00259									
507-210	890050071					128	lb	1.40	179	
509-406	890.50812					12	sk	28.25	339	
500-207					SERVICE CHARGE	CUBIC FEET		1.35	935.5	
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		
						62,196	51	1710.39	1575.99	95
								1624	1506.5	

ORIGINAL

 KCC  
 MAR 17  
 CONFIDENTIAL

 RELEASED  
 MAY 24 1995  
 FROM CONFIDENTIAL

 RECEIVED  
 STATE CORPORATION COMMISSION

JUN 27 1994

 CONSERVATION DIVISION  
 Wichita, Kansas

CONTINUATION TOTAL 2618.10



**WELL DATA**

FIELD *Liberal* SEC. \_\_\_\_\_ TWP. *28* RING. *20* COUNTY *Sevier* 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 \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>1</i>	<i>28</i>	<i>8 1/2</i>	<i>KB</i>	<i>1501</i>	
LINER						
TUBING						
OPEN HOLE			<i>12 1/4</i>	<i>KB</i>	<i>1500</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**  
TOTAL DEPTH

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>12-2-92</i>	DATE <i>12-2-92</i>	DATE <i>12-2-92</i>	DATE <i>12-2-92</i>
TIME <i>21:00</i>	TIME <i>06:00</i>	TIME <i>02:00</i>	TIME <i>02:00</i>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <i>10000</i>	<i>1</i>	<i>W</i>
FLOAT SHOE <i>6 1/2</i>	<i>1</i>	<i>W</i>
GUIDE SHOE	<i>1</i>	<i>W</i>
CENTRALIZERS	<i>3</i>	<i>C</i>
BOTTOM PLUG		<i>W</i>
TOP PLUG	<i>1</i>	<i>W</i>
HEAD	<i>1</i>	<i>W</i>
PACKER		<i>C</i>
OTHER		<i>W</i>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>P. H. ...</i>	<i>40096</i>	<i>Liberal</i>
<i>J. ...</i>	<i>20006</i>	<i>Liberal</i>
<i>S. ...</i>	<i>54229</i>	<i>Houston</i>
	<i>4115</i>	<i>Houston</i>
	<i>2006</i>	<i>Houston</i>
	<i>2007</i>	<i>Houston</i>

**KCC**

**MAR 17**

**CONFIDENTIAL**

**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 \_\_\_\_\_

DEPARTMENT *...*  
 DESCRIPTION OF JOB *...*

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

CUSTOMER REPRESENTATIVE *X* *...*

HALLIBURTON OPERATOR *P. H. ...* COPIES REQUESTED *2*

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>510</i>	<i>MCC</i>	<i>C</i>	<i>0</i>	<i>2% CC, 2% 11 Thick</i>	<i>200</i>	<i>123</i>
<i>2</i>	<i>150</i>	<i>...</i>	<i>C</i>	<i>0</i>	<i>2% CC</i>	<i>130</i>	<i>115</i>

**RELEASED**

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET *74 20* REASON *Shut 3...*

**SUMMARY**

PRESLUSH: BBL.-GAL. \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_  
 CEMENT SLURRY: BBL.-GAL. *230*  
 TOTAL VOLUME: BBL.-GAL. *310.7*

**MAY 24 1995**

**FROM CONFIDENTIAL**

**REMARKS**

*See Sublog*

**RECEIVED**  
STATE CORPORATION COMMISSION

**JUN 27 1994**

CUSTOMER: *...*  
 LEASE: *...*  
 WELL NO.: *...*  
 JOB TYPE: *...*  
 DATE: *12-2-92*