

ORIGINAL

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

CONFIDENTIAL ORIGINAL

API NO. 15- 119209060000

County Meade County, Kansas

SE - SE Sec. 19 Twp. 34S Rge. 27 EW

660 Feet from SX (circle one) Line of Section

660 Feet from SW (circle one) Line of Section

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

Lease Name Barragree Well # 2-19

Field Name Fincham Field

Producing Formation Council Grove

Elevation: Ground 2336' KB

Total Depth 3300' PSTD 3255'

Amount of Surface Pipe Set and Cemented at 773 Feet

Multiple Stage Cementing Collar Used? Yes XXX No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cnt.

Drilling Fluid Management Plan ALT 1 JH 2-1-95
(Data must be collected from the Reserve Pit)

Chloride content 52,000 ppm Fluid volume 200 bbls

Dewatering method used Evaporated

Location of fluid disposal if hauled offsite:

RELEASED

Operator Name NA

Lease Name AUG 1 8 1995 License No.

FROM CONFIDENTIAL Twp. JUL 25 Sng. EW

County Do CONFIDENTIAL

Operator: License # 03394

Name: HEADINGTON OIL COMPANY

Address 205 NW 63 rd St, Ste 310
Oklahoma City, Oklahoma

City/State/Zip 73116-8209

Purchaser: Northern Natural Gas

Operator Contact Person: Herman Roark

Phone (405) 843-6423

Contractor: Name: Zenith Drilling Corp.

License: # 5141

Wellsite Geologist: Michael Arquijo

Designate Type of Completion
XX New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
XX Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: NA

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PSTD
Cemented Docket No.
Dual Completion Docket No.
Other (SWD or Inj) Docket No.

5-17-94 5-31-94 6-24-94
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, together with and the statements herein are complete and correct to the best of my knowledge.

Signature *Herman Roark*

Title District Manager Date 7-25-94

Subscribed and sworn to before me this 26th day of July 1994

Notary Public *Kay Contreras*

Date Commission Expires July 13, 1995

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

Operator Name HEADINGTON OIL COMPANY Lease Name Barragree Well # 2-19
 County Meade County, Kansas
 Sec. 19 Twp. 34S Rge. 27 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 Datum Sample
 Name Top Datum

List All E.Logs Run:
 Dual Laterlog
 Density-Neutron
 CCL CEMENT BOND

Council Grove 2912' - 565'

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
Surface Csg.	12 1/4'	8 5/8" OD	24	773'	Lite Prem.	370	2% CCw/flo gel
Prod. Csg.	7 7/8"	4 1/2" OD	10.5	330'	Premium	150	Halad 322

ADDITIONAL CEMENTING/SQUEEZE RECORD

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	3171'-77'	1000 gal 15% HCL	8171-3212'
2	3208-12'		

TUBING RECORD	Size	Set At	Packer At	Liner Run	Production Interval		
	2 3/8"	2941'	2943'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3171-2212'		
Date of First, Resumed Production, SWD or Inj.	Producing Method						
6-24-94	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
				279	0	N/A	.6717

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

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



HALLIBURTON CONFIDENTIAL

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

INVOICE

INVOICE NO.	DATE
677418	05/18/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
BARRAGREE 2-19		MEADE ORIGINAL		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
LIBERAL	ZENITH DRLO	CEMENT SURFACE CASING			05/18/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
376339	HERMAN ROARK			COMPANY TRUCK	70052

RELEASED

DIRECT CORRESPONDENCE TO:

HEADINGTON OIL COMPANY
205 N.W. 63RD STREET
SUITE 310
OKLAHOMA CITY, OK 73116

AUG 18 1995

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

FROM CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE CEMENTING ROUND TRIP	40	MI	2.75	220.00
001-016	CEMENTING CASING	773	FT	890.00	890.00
030-018	CEMENTING PLUG SW. PLASTIC TOP	8 5/8	IN	130.00	130.00
12A	GUIDE SHOE - 8 5/8" BRD THD.	1	EA	216.00	216.00
825.217		1	EA		
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	65.00	195.00
806.61048					
66	CLAMP-LIMIT-8-5/8 HINGED	1	EA	13.75	13.75
806.72050					
350	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
504-050	CEMENT - PREMIUM PLUS	150	SK	10.36	1,554.00
504-120	CEMENT - HALL. LIGHT PREM PLUS	220	SK	9.28	2,041.60
507-210	FLOCELE	55	LB	1.65	90.75
509-406	ANHYDROUS CALCIUM CHLORIDE	7	EA	36.75	257.25
500-207	BULK SERVICE CHARGE	388	EA	1.35	523.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	1224.13	MI	.95	1,162.92

JUL 25
CONFIDENTIAL

RECEIVED
CORPORATION COMMISSION
AUG 5 1994
CONSERVATION DIVISION
WICHITA, KS

INVOICE SUBTOTAL 7,535.57

DISCOUNT-(BID) 8 1,959.21-

INVOICE BID AMOUNT 5,576.36

*-KANSAS STATE SALES TAX 232.99

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

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



HALLIBURTON
CONFIDENTIAL

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

INVOICE NO.	DATE				
677418	05/18/1994				
WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
BARRAGREE 2-19	MEADE ORIGINAL	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	ZENITH DRLG	CEMENT SURFACE CASING	05/18/1994		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
376339	HERMAN ROARK			COMPANY TRUCK	70052

RELEASED

DIRECT CORRESPONDENCE TO:

HEADINGTON OIL COMPANY
205 N.W. 43RD STREET
SUITE 310
OKLAHOMA CITY, OK 73116

AUG 18 1995

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

FROM CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	*-SEWARD COUNTY SALES TAX				47.56
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$5,856.91

ALL
JUL 25
CONFIDENTIAL

BARRAGREE 2-19
941114
520
RECEIVED
KANSAS CORPORATION COMMISSION
AUG 0 1994
CONSERVATION DIVISION
WICHITA, KS

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.



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Midland Continent Area
Liberal KS.

BILLED ON TICKET NO. 677418

WELL DATA

FIELD meqda SEC. 19 TWP. 34S RNG. 27W COUNTY meqda 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>N</u>	<u>24</u>	<u>8 5/8</u>	<u>KD</u>	<u>773</u>	
LINER						
TUBING	CONFIDENTIAL					
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT SHOE <u>Insert 8 5/8</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>Fill up</u>	<u>1</u>	
GUIDE SHOE <u>Reg. 8 5/8</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>S-B 8 5/8</u>	<u>3</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>SW 8 5/8</u>	<u>1</u>	
HEAD		<u>C</u>
PACKER		
OTHER		<u>O</u>

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-17</u>	DATE <u>5-18</u>	DATE <u>5-18-94</u>	DATE <u>5-18-94</u>
TIME <u>23:30</u>	TIME <u>1:30</u>	TIME <u>0915</u>	TIME

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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodrow</u> <u>62573</u>	<u>40048</u>	<u>Liberal</u> <u>KS.</u>
<u>T. Davis</u> <u>F4550</u>	<u>52276</u> <u>76900</u>	<u>11</u>
<u>D. Coopering</u>		<u>HUGOTON</u> <u>KS.</u>

RELEASED

AUG 18 1995

FROM CONFIDEN

JUL 25

CONFIDENTIAL

DEPARTMENT CMT

DESCRIPTION OF JOB 8 5/8 SURFACE CSB

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

CUSTOMER REPRESENTATIVE X Herman Rauls

HALLIBURTON OPERATOR J. Woodrow COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>220</u>	<u>Premt Light</u>	<u>HOWCO</u>	<u>B</u>	<u>270 cc 1/4 # Fiocele</u>	<u>2.06</u>	<u>12.3</u>
<u>1</u>	<u>150</u>	<u>Premt</u>	<u>11</u>	<u>B</u>	<u>270</u>	<u>1.32</u>	<u>14.8</u>

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 44 REASON SHOR JOINT

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 465

CEMENT SLURRY (BBL.-GAL.) 80.7635.2 T.C.

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER: Headington Oil Co LEASE: Barragire WELL NO.: 2-19 JOB TYPE: 8 5/8 SURFACE CSB DATE: 5-18-94



INVOICE

ORIGINAL

CONFIDENTIAL

INVOICE NO	DATE				
677487	05/22/1994				
WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
BARRAGREE 2-19	MEADE	KS	HEADINGTON OIL		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	ZENITH	CEMENT PRODUCTION CASING	05/22/1994		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
376339	HERMAN ROARK			COMPANY TRUCK	70076

RELEASED

DIRECT CORRESPONDENCE TO:

HEADINGTON OIL COMPANY
205 N.W. 63RD STREET
SUITE 310
OKLAHOMA CITY, OK 73116

AUG 18 1995

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

FROM CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	98 MI		2.75	269.50
		1 UNT			
001-016	CEMENTING CASING	3301 FT		1,500.00	1,500.00
		1 UNT			
030-016	CEMENTING PLUG SW ALUM TOP	4 1/2 IN		45.00	45.00
		1 EA			
12A	GUIDE SHOE - 4 1/2" BRD THD.	1 EA		95.00	95.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" BRD	1 EA		73.00	73.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1 EA		45.00	45.00
815.19111					
40	CENTRALIZER 4-1/2 X 7-7/8	4 EA		43.00	172.00
806.60004					
350	HALLIBURTON WELD-A	1 LB		14.50	14.50
890.10802					
504-043	CEMENT - PREMIUM	150 SK		9.82	1,473.00
507-775	HALAD-322	56 LB		7.00	392.00
508-002	POTASSIUM CHLORIDE	40		1.27	40.50
500-207	BULK SERVICE CHARGE	150		1.35	202.50
500-306	MILEAGE CHTG MAT DEL OR RETURN	500.71 TM		.95	475.67
INVOICE SUBTOTAL					4,797.67
DISCOUNT-(BID)					1,199.39-
INVOICE BID AMOUNT					3,598.28
*-KANSAS STATE SALES TAX					111.27
*-SEWARD COUNTY SALES TAX					22.72
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$3,732.27

JUL 25
CONFIDENTIAL
RECEIVED
AUG 08 1995
BARRAGREE 2
CONSERVATION COMMISSION
WICHITA, KS
941114

JHR

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.

WELL DATA

FIELD _____ SEC 19 TWP. 34S RING. 27W COUNTY McPherson STATE KANSAS

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>N</u>	<u>10.5</u>	<u>4 1/2</u>	<u>0</u>	<u>3001</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>4 1/2</u>	<u>1</u>	<u>Hallib.</u>
CENTRALIZERS <u>54 4 1/2</u>	<u>4</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>5W 4 1/2</u>	<u>1</u>	<u>"</u>
HEAD		
PACKER		
OTHER <u>Insert fit</u>	<u>1</u>	<u>"</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-22-94</u>	DATE <u>5-22-94</u>	DATE <u>5-23-94</u>	DATE <u>5-23-94</u>
TIME <u>17:30</u>	TIME <u>21:00</u>	TIME <u>02:30</u>	TIME <u>03:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K. Boone</u> <u>47841</u>	<u>40076</u>	<u>Liberal</u>
<u>N. Tate</u> <u>E0568</u>	<u>52803</u> <u>75324</u>	<u>"</u>
<u>J. Adair</u> <u>63813</u>	<u>4449</u> <u>7649</u>	<u>Horton</u>

RELEASED

AUG 18 1995

FROM CONFIDENTIAL

JUL 25

CONFIDENTIAL

DEPARTMENT Cement
 DESCRIPTION OF JOB Cement 3301' of 4 1/2 casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Herman Rogers

HALLIBURTON OPERATOR R. Boone COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>P</u>		<u>B</u>	<u>.4% HALAD-322 2% KCL</u>	<u>1.19</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 10 TYPE Flu
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 51.7
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 32
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____

REMARKS

TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____

FEET 46 REASON shoe joint

CUSTOMER: Hendrix for O.I.
 LEASE: BARNAGEE
 WELL NO: 2-19
 JOB TYPE: 4 1/2 L.S.
 DATE: 5-22-94

