

ORIGINAL

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

Operator: License # 3581
Name: Red Oak Energy, Inc.
Address 200 W. Douglas, #510

City/State/Zip Wichita, Ks. 67202

Purchaser: _____
Operator Contact Person: Kevin Davis

Phone (316) 265-9925
Contractor: Name: Abercrombie RTD, Inc.

License: 30684
Wellsite Geologist: Scott Banks

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover:
Operator: N/A
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. _____

12-09-94 12-16-94 12-17-94
Spud Date Date Reached TD Completion Date

API NO. 15- 199-20,225-0000
County Wallace
N/2 - NW - NE Sec. 21 Twp. 15S Rge. 42 E

330 Feet from S (circle one) Line of Section
1993 Feet from E (circle one) Line of Section

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

Lease Name Rother Farms Well # 1-21
Field Name Wildcat

Producing Formation D & A

Elevation: Ground 3886' KB 3891'

Total Depth 5250' PBSD 5249'

Amount of Surface Pipe Set and Cemented at 399.65 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 D&A 94 11-6-95
(Data must be collected from the Reserve Pit)

Chloride content 22,000 ppm Fluid volume 1000 bbls

Dewatering method used Evaporization

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Kevin C. Davis
Title President Date 2/9/95
Subscribed and sworn to before me this 9th day of February,
19 95.
Notary Public Victoria Davis
Date Commission Expires October 21, 1997

STATE CORPORATION COMMISSION
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)

VICTORIA DAVIS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10/21/97

Operator Name Red Oak Energy, Inc. Lease Name Rother Farms Well # 1

Sec. 21 Twp. 15S Rge. 42 East West
 County Wallace

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 Datums	<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	Morrow Shale	5044	(- 1148)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Morrow Lime	5144	(- 1248)
List All E.Logs Run:	CDN	Miss.	5190	(- 1294)
	DIL			
No Geologist report made				

CASING RECORD <input 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		8 5/8"	23#	399.65	60/40pos	250	3% cc

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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.				Producing Method <input 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

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

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

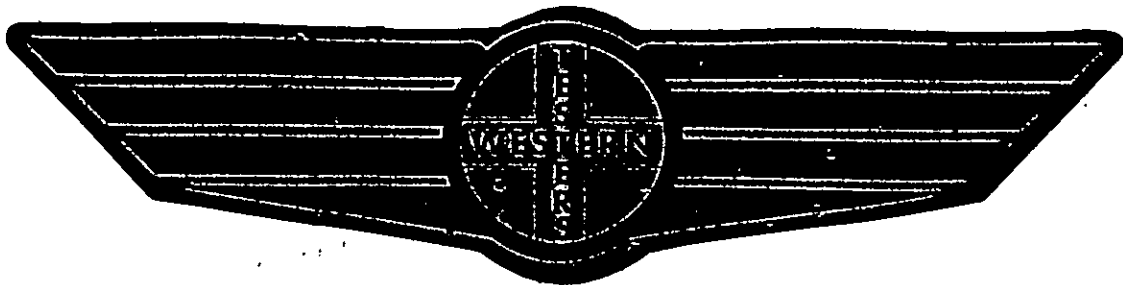
Production Interval: _____

15-199-20225-00-00

ORIGINAL

FORMATION TEST REPORT

COMPANY RED OAK ENERGY, INC. LEASE & WELL NO. #1-21 ROTHER FARMS SEC. 21 TWP. 15S RGE. 42W TEST NO. 1 DATE 12/15/94



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

NPL 415-199-20225

DST REPORT

GENERAL INFORMATION

DATE : 12/15/94
CUSTOMER : RED OAK ENERGY, INC.
WELL : #1-21 TEST: 1
ELEVATION: 3886GR
SECTION : 21
RANGE : 42W COUNTY: WALLACE
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20406
LEASE : ROTHER FARMS
GEOLOGIST: BANKS
FORMATION: MORROW
TOWNSHIP : 15S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5018.00 ft TO: 5130.00 ft TVD: 5130.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5021.0 ft 5024.0 ft
TEMPERATURE: 0.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 256.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 4730.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 32.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 112.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 5013.0 ft SIZE: 6.750 in
PACKER DEPTH: 5018.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE RIG #4
MUD TYPE : CHEMICAL VISCOSITY : 51.00 cp
WEIGHT : 8.800 ppg WATER LOSS: 6.400 cc
CHLORIDES : 5000 ppm
JARS-MAKE : WESTERN SERIAL NUMBER: 414
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW: OPENED WITH WEAK BLOW, INCREASED TO
4 INCHES IN WATER.
FINAL FLOW: WEAK BLOW, 1 INCH IN WATER.

15-199-20225-00-00

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BOTH FLOWS SHOWED PLUGGING ACTION.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
250.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	2.4867	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	2.4867	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2424.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	68.00	87.00
INITIAL SHUT-IN	45.00		624.00
FINAL FLOW	45.00	97.00	244.00
FINAL SHUT-IN	60.00		624.00

FINAL HYDROSTATIC PRESSURE: 2424.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2444.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	67.00	86.00
INITIAL SHUT-IN	42.00		635.00
FINAL FLOW	45.00	125.00	207.00
FINAL SHUT-IN	57.00		629.00
FINAL HYDROSTATIC PRESSURE:	2439.00		

15-199-20225-000

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12/15/94	TICKET : 20406
CUSTOMER : RED OAK ENERGY, INC.	LEASE : ROTHER FARMS
WELL : #1-21 TEST: 1	GEOLOGIST: BANKS
ELEVATION: 3886GR	FORMATION: MORROW
SECTION : 21	TOWNSHIP : 15S
RANGE : 42W COUNTY: WALLACE	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	67.00	67.00
5.00	67.00	0.00
10.00	74.00	7.00
15.00	84.00	10.00
20.00	99.00	15.00
25.00	85.00	-14.00
30.00	86.00	1.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	461.00	461.00	0.00
6.00	502.00	41.00	0.00
9.00	528.00	26.00	0.00
12.00	546.00	18.00	0.00
15.00	560.00	14.00	0.00
18.00	577.00	17.00	0.00
21.00	587.00	10.00	0.00
24.00	595.00	8.00	0.00
27.00	603.00	8.00	0.00
30.00	611.00	8.00	0.00
33.00	620.00	9.00	0.00
36.00	625.00	5.00	0.00
39.00	630.00	5.00	0.00
42.00	635.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	125.00	125.00
5.00	104.00	-21.00
10.00	120.00	16.00
15.00	82.00	-38.00
20.00	137.00	55.00
25.00	133.00	-4.00
30.00	146.00	13.00
35.00	170.00	24.00
40.00	248.00	78.00
45.00	207.00	-41.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	445.00	445.00	0.00
6.00	488.00	43.00	0.00
9.00	510.00	22.00	0.00
12.00	524.00	14.00	0.00
15.00	541.00	17.00	0.00
18.00	554.00	13.00	0.00
21.00	563.00	9.00	0.00
24.00	570.00	7.00	0.00
27.00	580.00	10.00	0.00
30.00	586.00	6.00	0.00
33.00	592.00	6.00	0.00
36.00	598.00	6.00	0.00
39.00	605.00	7.00	0.00
42.00	610.00	5.00	0.00
45.00	615.00	5.00	0.00
48.00	619.00	4.00	0.00
51.00	623.00	4.00	0.00
54.00	626.00	3.00	0.00
57.00	629.00	3.00	0.00

15-199-20225-00-06

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 12/15/94	TICKET	: 20406
CUSTOMER	: RED OAK ENERGY, INC.	LEASE	: ROTHER FARMS
WELL	: #1-21	TEST:	1
ELEVATION	: 3886GR	GEOLOGIST	: BANKS
SECTION	: 21	FORMATION	: MORROW
RANGE	: 42W	COUNTY	: WALLACE
Gauge SN#	: 13760	TOWNSHIP	: 15S
		STATE	: KS
		RANGE	: 3950
		CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	75.00 PSIG	BHT:	0.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	3150.00 cc		
OIL:	0.00 cc		
WATER:	0.00 cc		
MUD:	3150.00 cc		
GAS:	0.00 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD:	CHLORIDE CONTENT:	0.00 ppm
MUD PIT SAMPLE:	CHLORIDE CONTENT:	0.00 ppm
GAS/OIL RATIO:	GRAVITY:	
WHERE WAS SAMPLE DRAINED:		
REMARKS:		



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

SERVICE LOCATIONS

1. 25540 Liberal Ks

2. Loomis Ks

3.

4.

REFERRAL LOCATION

CHARGE TO: **Red Oak Energy**
 ADDRESS: **200 W. Douglas Suite 510**
 CITY, STATE, ZIP CODE: **Nichita, Ks 67202-3005**

ORIGINAL No. 705617 - 0

TICKET

705617 - 0

PAGE 1 OF

WELL/PROJECT NO. **1*** LEASE **Respect NEW** COUNTY/PARISH **Wallace** STATE **Ks** CITY/OFFSHORE LOCATION **NON** DATE **12-9-94** OWNER **Red Oak**

TICKET TYPE SERVICE SALES NITROGEN JOB? YES NO CONTRACTOR **Abercrombie** RIG NAME/NO. **Log** SHIPPED VIA **Log** DELIVERED TO **Log** ORDER NO. **5661**

WELL TYPE **0103** WELL CATEGORY **010** JOB PURPOSE **8 5/8 Surface** WELL PERMIT NO. **1995** WELL LOCATION **SW of Westlaw Ks**

INVOICE INSTRUCTIONS

PRICE	SECONDARY REFERENCE	ACCOUNTING	DESCRIPTION	CITY	UNIT	STATE	UNIT PRICE	AMOUNT
800-117		1	MILEAGE	150	miles	RT	2.75	412.50
001-016		1	Pump charge	399	EST			630.00
030-503		1	Top of wooden	1	Est	8 5/8	95.00	95.00
16A	830-2171	1	Guideshoe	1	Est	8 5/8	161.00	161.00
597	825-1266	2	Baffle Plate	1			91.00	91.00
40	806-61048	1	Centralizers	3			65.00	195.00

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
 X *Gary Fisher*
 DATE SIGNED TIME SIGNED

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

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

PAGE TOTAL	1804.50
FROM CONTINUATION PAGE(S)	3440.69
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	

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

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) **Gary Fisher** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X *Gary Fisher*

HALLIBURTON OPERATOR/ENGINEER **Dennis Cooper** EMP # **59179** HALLIBURTON APPROVAL *[Signature]* **45%**



JOB SUMMARY

DIVISION _____
HALLIBURTON LOCATION _____1111111111
Liberal KsBILLED ON TICKET NO. 705617

WELL DATA

FIELD _____ SEC. 2 TWP. 15 RING. 48 COUNTY _____ 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		24	8 5/8	KB	399	66
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	401	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
CLAMP BLOCKER <u>Raffle Plate</u>	<u>1</u>	<u>Howey</u>	
FLOAT SHOE			
GUIDE SHOE <u>To RT.</u>	<u>1</u>		
CENTRALIZERS	<u>3</u>		
BOTTOM PLUG			
TOP PLUG <u>WOODEN</u>	<u>1</u>		
HEAD	<u>1</u>		
PACKER			
OTHER			

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-9</u>	DATE <u>12-9</u>	DATE <u>12-9</u>	DATE <u>12-9</u>
TIME <u>1600</u>	TIME <u>2030</u>	TIME <u>2240</u>	TIME <u>2330</u>

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>D. Aker</u>	<u>40075</u>	<u>Liberal Ks</u>
<u>R. Elwood</u>	<u>59179</u>	<u>"</u>
<u>G. Kingston</u>	<u>04360</u>	<u>"</u>
	<u>F4880</u>	<u>Laemar</u>

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. _____

PERFRAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB 8 5/8 SURFACE

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

CUSTOMER REPRESENTATIVE X Harry Fisher

HALLIBURTON OPERATOR Dennis Cooper

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>250</u>	<u>60/40 Poz</u>			<u>2% Total Gel 3% CL</u>	<u>1.25</u>	<u>14.1</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 22.70

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 55.65

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

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET. 4327 REASON Shoe Joint

CUSTOMER: Liberal Ks

LEASE: Prospect

WELL NO. 222

JOB TYPE: 8 5/8 SURFACE

DATE: 12-9-95