

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

API NO. 15- 199-202650000

ORIGINAL

County Wallace

NE - SE - - - Sec. 36 Twp. 15S Rge. 42 ^E_x W

1980 Feet from S/N (circle one) Line of Section

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

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

Lease Name Smotherman Well # 1-36

Field Name SE Mt. Sunflower

Producing Formation Dry & Abandoned

Elevation: Ground 3802 KB _____

Total Depth 5250' PBTB _____

Amount of Surface Pipe Set and Cemented at 353 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 DFA, 7-23-98 UC
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 600 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 3581

Name: Red Oak Energy, Inc.

Address 200 W. Douglas, Suite 510

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Kevin C. Davis

Phone (316) 265-9925

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Scott Banks

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBTB

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

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

2-12-98 2-22-98 2-22-98
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.

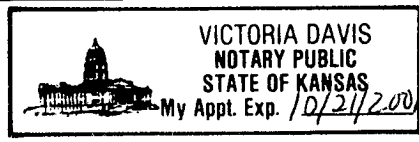
Signature Kevin C. Davis

Title President Date 7/13/98

Subscribed and sworn to before me this 13 day of July 19 98

Notary Public Victoria Davis

Date Commission Expires October 21, 2001



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 Red Oak Energy, Inc.

Lease Name Smotherman Well # 1-36

Sec. 36 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 Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: <u>CDN - DIL</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> <tr> <td>Morrow Shale</td> <td>4992</td> <td>-1179</td> </tr> <tr> <td>Morrow Lime</td> <td>5082</td> <td>-1269</td> </tr> </table>	Name	Top	Datum	Morrow Shale	4992	-1179	Morrow Lime	5082	-1269
Name	Top	Datum								
Morrow Shale	4992	-1179								
Morrow Lime	5082	-1269								

CASING RECORD <u> </u> New <u> </u> 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#	353'	60/40 Poz, 4% CC, 2& gel	265	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose: _ Perforate _ Protect Csg _ Plug Back TD _ Plug Off Zone	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives

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 Yes No

Date of First, Resumed Production, SWD or Inj. Producing Method Flowing Pumping Gas Lift Other

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

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____



HALLIBURTON

ORIGINAL

TICKET CONTINUATION

15-199-20265

TICKET NO 196823

HALLIBURTON ENERGY SERVICES

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY U/M		QTY U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-136				35	40/60 Pozmix Standard	265	sk			\$8.71	\$2,308.15
506-121					Halliburton Gel @2%	4	sk				N/C
509-406					Calcium Chloride	9	sk			\$46.90	\$422.10
507-210					Flocele	66	lb			\$2.09	\$137.94
500-207					SERVICE CHARGE			CUBIC FEET	287	1.66	\$476.42
500-306					MILEAGE CHARGE			TOTAL WEIGHT			
								LOADED MILES	100		
								TON MILES	1128.575	1.25	\$1,410.72

No. B 660263

CONTINUATION TOTAL 4,755.33



HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO
RED OAK ENERGY, INC.

ADDRESS
200 W. DOUGLAS SUITE 510

CITY, STATE, ZIP CODE
WEICHTA, KS 67208

CUSTOMER COPY

TICKET

ORIGINAL No.

196823 - 0

PAGE 1 OF 2

SERVICE LOCATIONS 1. HAYS, KS	WELL PROJECT NO 1-36	LEASE SMOTHERMAN	COUNTY PARISH WALUCE	STATE KS	CITY/OFFSHORE LOCATION	DATE 2-13-98	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR MORFEN DRILLING	RIG NAME NO #14	SHIPPED VIA 53293	DELIVERED TO LOC 12W	ORDER NO
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO 15199202650000	WELL LOCATION 36 - 15s - 42w		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1	SS		MILEAGE #53293m	200	MI	1	UNT	3.65	730.00
001-016		1	60		PUMP SERVICE	341	FT	6	UN	1630.00	1630.00
030-503		1	85		TOP PLUG - WOOD 19-11	1	UN	8 3/8"		95.00	95.00
597	825.1264	1	85		BAFFLE PLATE	1	UN	8 5/8"		57.75	57.75

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 2512.75
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 7268.08
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
DATE SIGNED 2-13-98	TIME SIGNED 0630	TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered				<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) JAMES RENNER	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER WAYNE E. WIZOW	EMP # 89377	HALLIBURTON APPROVAL
--------------------------------------------------------------------	------------------------------------------------------	--------------------------------------------------------	-----------------------	----------------------

ALLIED CEMENTING CO., INC.

8633

Federal Tax I.D.#

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Oakley

15-199-20265

DATE <u>2-22-98</u>	SEC. <u>36</u>	TWP. <u>15S</u>	RANGE <u>42W</u>	CALLED OUT	ON LOCATION <u>4:30 AM</u>	JOB START <u>5:30 AM</u>	JOB FINISH <u>8:30 AM</u>
LEASE <u>Smootherman</u>	WELL # <u>1-36</u>	LOCATION <u>Sharon Springs 3W 14S 1W</u>			COUNTY <u>Wallace</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				STATE RECEIVED MISSION			

CONTRACTOR Murfin Drlg Rig 14

TYPE OF JOB P/A

HOLE SIZE 7 7/8 T.D. 5250'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH 2740'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER Same JUL 15

CEMENT AMOUNT ORDERED 195 sks 60/40 Poz
670 Gel

COMMON	<u>117</u> SKS	@	<u>755</u>	<u>883³⁵</u>
POZMIX	<u>78</u> SKS	@	<u>325</u>	<u>253⁵⁰</u>
GEL	<u>10</u> SKS	@	<u>950</u>	<u>95⁰⁰</u>
CHLORIDE		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>195</u> SKS	@	<u>105</u>	<u>204⁷⁵</u>
MILEAGE	<u>46 ps</u> SK/mile			<u>569⁴⁰</u>
TOTAL				<u>2,006⁰⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Dean

300 HELPER Wayne

BULK TRUCK

315 DRIVER R.G.

BULK TRUCK

_____ DRIVER _____

REMARKS:

1st Plug at 2740' w/20 sks

2d Plug at 1750' w/100 sks

3rd Plug at 405' w/40 sks

4th Plug at 40' w/10 sks

15 sks in Rat Hole

10 sks in Mouse Hole

SERVICE

DEPTH OF JOB	<u>2740'</u>		
PUMP TRUCK CHARGE			<u>580⁰⁰</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>73</u> miles	@	<u>285</u>
PLUG		@	
		@	
		@	
TOTAL			<u>788⁰⁵</u>

CHARGE TO: Red Oak Energy Inc

STREET 200 W Douglas #510

CITY Wichita STATE Kansas ZIP 67202

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX	_____
TOTAL CHARGE	_____
DISCOUNT	_____ IF PAID IN 30 DAYS

SIGNATURE James Renner

JAMES RENNER
PRINTED NAME

WELL NAME:

Smotherman #1-36

COMPANY:

Red Oak Energy, Inc.

LOCATION:

36-15S-42W

Wallace County, Kansas

DATE:

2/23/98

ORIGINAL

15-199-20265

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Red Oak Energy, Inc.

DATE 2-20-98

WELL NAME: Smotherman #1-36
 LOCATION : 36-15S-42W CO Wallace KS
 INTERVAL : 4970.00 To 5070.00 m.

KB 3813.00 m. TICKET NO: 10436 DST #1
 GR 3803.00 m. FORMATION: Morrow
 TD 5070.00 m. TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13754	13754	13248			PF Fr. 1800 to 1830 hr
SI 30	Range(kPa)	7000.0	7000.0	4250.0	0.0	0.0	IS Fr. 1830 to 1900 hr
SF 30	Clock(hrs)	12hr	12hr	12hr			SF Fr. 1900 to 1930 hr
FS 30	Depth(m.)	4978.0	4978.0	5067.0	0.0	0.0	FS Fr. 1930 to 2000 hr

	Field	1	2	3	4	
A. Init Hydro	2390.0	2410.0	0.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	39.0	56.0	0.0	0.0	0.0	T ON BOTM 1755 hr
B1. Final Flow	68.0	79.0	0.0	0.0	0.0	T OPEN 1800 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 2000 hr
D. Init Flow	98.0	101.0	0.0	0.0	0.0	T OUT 2300 hr
E. Final Flow	98.0	108.0	0.0	0.0	0.0	
F. Fl Shut-in	1216.0	1223.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2360.0	2380.0	0.0	0.0	0.0	Tool Wt. 1000.00 daN
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 daN

RECOVERY

Tot Fluid 100.00 m. of 100.00 m. in DC and 0.00 m. in DP
 100.00 m. of Thin mud
 0.00 m. of
 0.00 m. of
 0.00 m. of
 0.00 m. of
 0.00 m. of
 0.00 m. of
 0.00 m. of
 0.00 m. of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak building to 2"
 Final Flow:
 Weak steady surface blow

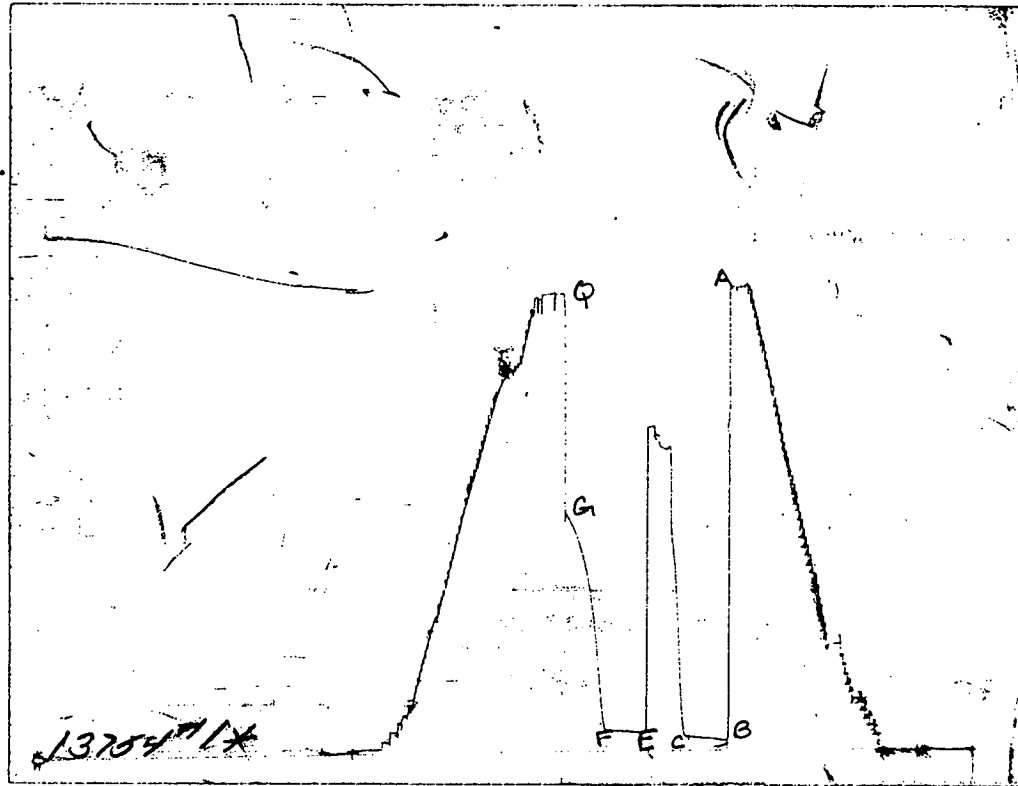
Packers leaked on Initial Shut-in

SAMPLES:
 SENT TO:

MUD DATA-----	
Mud Type	Chemical
Weight	9.30 kg/m ³
Vis.	50.00 S/L
W.L.	8.00 cm ³
F.C.	0.00 mm
Mud Drop	
Amt. of fill	0.00 m.
Btm. H. Temp.	130.00 C
Hole Condition	
% Porosity	0.00
Packer Size	6.75 mm
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Scott Banks
Contr.	Murfin
Rig #	14
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ORIGINAL

TRILOBITE TESTING L.L.C.

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10436

Well Name & No. Smotherman # 1-36 Test No. 1 Date 2-20-98
 Company Red Oak Energy, Inc. Zone Tested Morrow
 Address 200 W. Douglas, Ste 510, Wichita, Ks. 67202 Elevation 3813 KB 380.3 GL
 Co. Rep / Geo. Scott Banks Cont. MacFia #14 Est. Ft. of Pay Por. %
 Location: Sec. 36 Twp. 15 Rge. 42 Co. Wallace State Ks.
 No. of Copies Std Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4970 - 5070 Initial Str Wt./Lbs. 92,000 Unseated Str Wt./Lbs. 92,000
 Anchor Length 100 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 4965 Tool Weight 1000
 Bottom Packer Depth 4970 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5070 Wt. Pipe Run Drill Collar Run 494
 Mud Wt. 9.3 LCM TC Vis. 50 WL 8 Drill Pipe Size 4.5 XH Ft. Run 5376
 Blow Description I.F. Weak building to 2'

F.F. Weak steady surface blow.
Packers leaked on EST

Recovery — Total Feet 100 GIP Ft. in DC 100 Ft. in DP

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>100</u>	<u>Thin Mud</u>				

BHT 130 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud 2390 PSI Recorder No. 13754 T-Started 15:20
 (B) First Initial Flow Pressure 39 PSI (depth) 4978 T-Open 18:00
 (C) First Final Flow Pressure 68 PSI Recorder No. 13848 T-Pulled 20:00
 (D) Initial Shut-in Pressure PSI (depth) 5067 T-Out 20:50
 (E) Second Initial Flow Pressure 98 PSI Recorder No.
 (F) Second Final Flow Pressure 98 PSI (depth)
 (G) Final Shut-in Pressure 1216 PSI Initial Opening 30 Test
 (H) Final Hydrostatic Mud 2360 PSI Initial Shut-in 30 Jars X
 Final Flow 30 Safety Joint X
 Final Shut-in 30 Straddle
 Circ. Sub
 Sampler
 Extra Packer
 Elect. Rec.
 Other
 TOTAL PRICE \$

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
 Co. Representative [Signature]