

15-167-23596

23-125-15w

GENERAL INFORMATION

Client Information:

Company: BUFFALO RES.

Contact: WRAY VALENTINE

Phone:

Fax:

e-mail:

Site Information:

Contact: CURTIS COVEY

Phone:

Fax:

e-mail:

Well Information:

Name: NEY 1-23

KCC

Operator: BUFFALO RES.

Location-Downhole: DST #2 ARBUCKLE 3200-3251

Location-Surface: SEC 23 / 12 S / 15 W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: CURTIS COVEY

Test Type: Drill Stem Test

Job Number: P078

Test Unit: #1

Start Date: 2009/09/20

Start Time: 10:46:00

End Date: 2009/09/20

End Time: 17:43:00

Report Date: 2009/09/20

Prepared By: PAUL

Remarks:

Qualified By: CURTIS

RECOVERED: 60' CO 22GRAVITY @60 DEG.
52' VSWCOM 1%W / 39% O / 60% M
112' OF FLUID TOTAL
TOOL SMPL: 4%W / 46% O / 50% M

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 11 2009

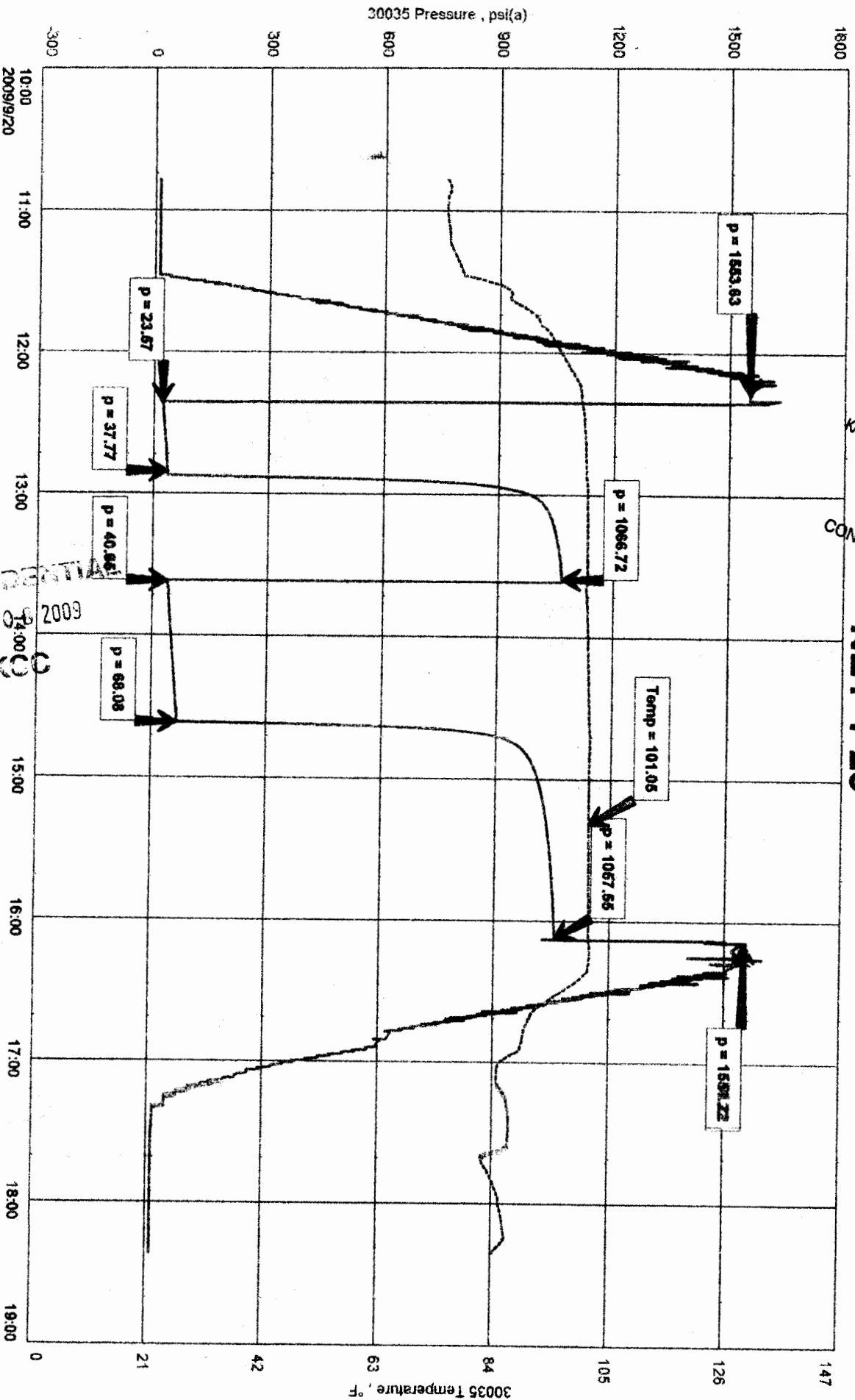
CONSERVATION DIVISION
WICHITA, KS

BUFFALO RES.
 DST #2 ARBUCKLE 3200-3251
 Start Test Date: 2009/09/20
 Final Test Date: 2009/09/20

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 CONSERVATION DIVISION
 WICHITA, KS

NEY 1-23

NEY 1-23
 Formation: DST #2 ARBUCKLE 3200-3251
 Job Number: P078



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 DEC 08 2009



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON: 5:42
TIME OFF: 13:42

IND

DRILL-STEM TEST TICKET

FILE: NEV 123 DST

Company Buffalo Res. Lease & Well No. NEV 1-23
Contractor Duke 8 Charge to Buffalo Res.
Elevation 1785 KB Formation Lan. A-C Effective Pay _____ Ft. Ticket No. P077
Date 9-19-09 Sec. 23 Twp. 12 S Range 15 W County Russell State KANSAS
Test Approved By Paul Schiowski Diamond Representative PAUL SCHIOWSKY

Formation Test No. 1 Interval Tested from 2955 ft. to 2997 ft. Total Depth 2997 ft.
Packer Depth 2992 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2997 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2980 ft. Recorder Number 30035 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 2994 ft. Recorder Number 13387 Cap. 3900 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type chem Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.8 Water 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7500 P.P.M. Drill Pipe Length 2923 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO KCC Reversed Out NO Anchor Length 42 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 5/8 in.

Blow: 1st Open: Good blow to 9" NBB
2nd Open: Good blow to 11" NBB

Recovered 150 ft. of GIP
Recovered 35 ft. of GOCM 2%G 22%O 76%W
Recovered 124 ft. of G50CMW 1%G 2%O 2%W 77%W 68,000 CH

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: Recovered 159' of fluid total
Tool Smp: 1%G 4%O 25%W 70%W

Time Set Packer(s) 7:34 A.M. Time Started Off Bottom 11:19 P.M. Maximum Temperature 98

Initial Hydrostatic Pressure (A) 1416 P.S.I.
Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 65 P.S.I.
Initial Closed In Period Minutes 45 (D) 519 P.S.I.
Final Flow Period Minutes 60 (E) 69 P.S.I. to (F) 100 P.S.I.
Final Closed In Period Minutes 90 (G) 515 P.S.I.
Final Hydrostatic Pressure (H) 1397 P.S.I.

GENERAL INFORMATION

Client Information:

Company: BUFFALO RES.

Contact: MATTHEW FLANERY

Phone: Fax: e-mail:

Site Information:

Contact: CURTIS COVEY

Phone: Fax: e-mail:

Well Information:

Name: NEY 1-23

Operator: BUFFALO RES.

Location-Downhole: DST #1 LAN. A-C 2955-2997

Location-Surface: SEC 23 / 12S / 15W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: CURTIS COVEY

Test Type: Drill Stem Test

Test Unit: # 1

Start Date: 2009/09/19

End Date: 2009/09/19

Report Date: 2009/09/19

Remarks:

RECOVERED: 150' GIP

35' GOCM 2%g / 22%O / 76%M

124' GSOCMW 1%G / 2%O / 20%M / 77%W

159' OF FLUID TOTAL

TOOL SMPL: 1%G / 4%O / 25%M / 70%Wpar

Job Number: P077

Start Time: 05:42:00

End Time: 13:42:00

Prepared By: PAUL

Qualified By: CURTIS

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DEC 08 2009

KCC

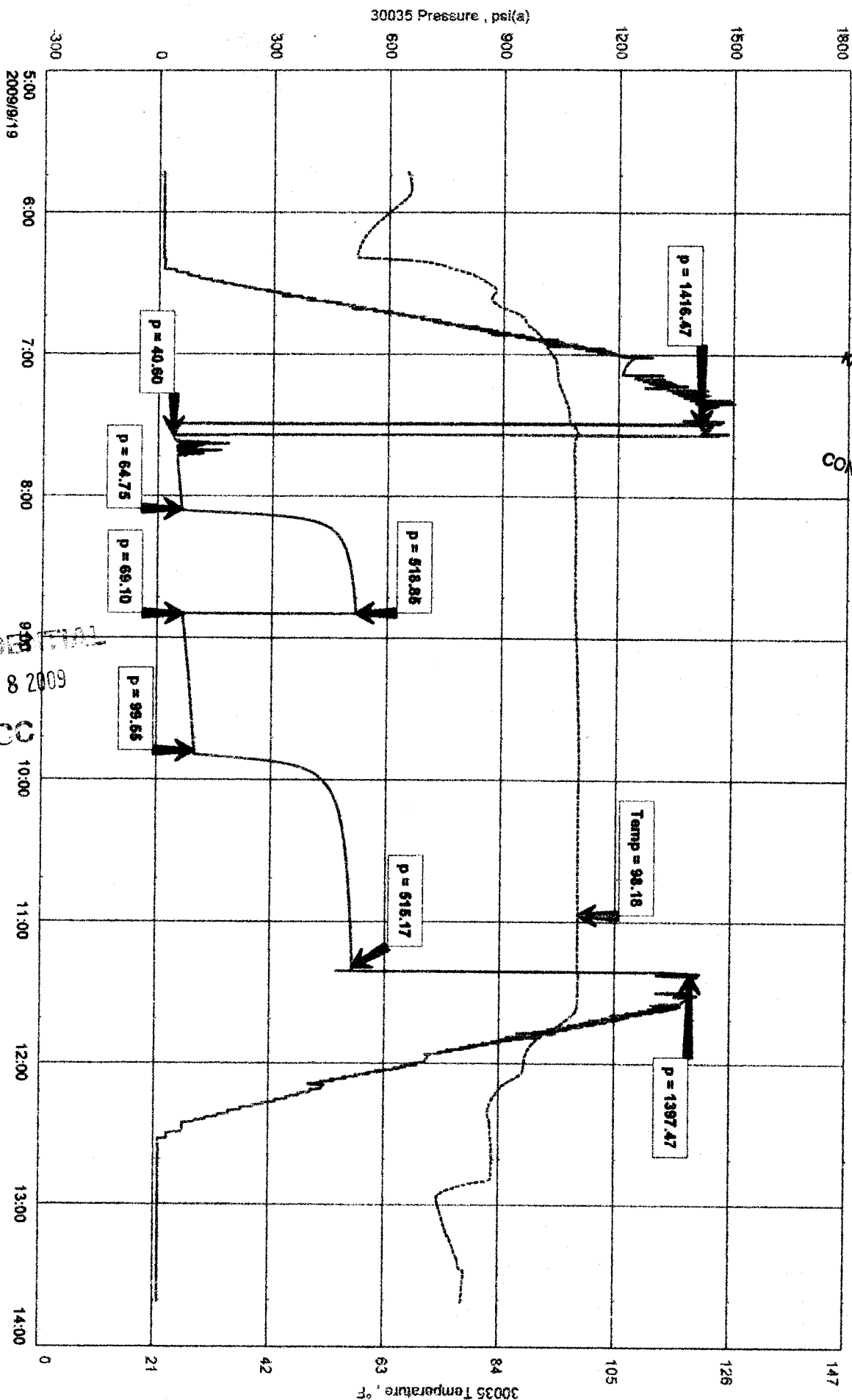
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KANSAS CORPORATION
DEC 11 2009
CONSERVATION
WICHITA, KS

BUFFALO RES.
 DST #1 LAN. A-C 2965-2997
 Start Test Date: 2009/09/19
 Final Test Date: 2009/09/19

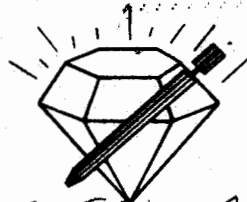
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 KANSAS CORPORATION COMMISSION
 DEC 11 2009
 CONSERVATION DIVISION
 WICHITA

NEY 1-23

NEY 1-23
 Formation: DST #1 LAN. A-C 2965-2997
 Job Number: P077



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 DEC 8 2009
 30965 Tm



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: NEY123 DS+2

IND
TIME ON: 10:46
TIME OFF: 17:43

Company Buffalo Res. Lease & Well No. NEY 1-23
Contractor Duke 8 Charge to Buffalo Res.
Elevation 1785 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. P078
Date 9-20-09 Sec. 23 Twp. 12 S Range 15 W County Russell State KANSAS
Test Approved By _____ Diamond Representative PAUL SCHILOWSKY

Formation Test No. 2 Interval Tested from 3200 ft. to 3251 ft. Total Depth 3251 ft.
Packer Depth 3195 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3200 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set Quartz Core (See for Buffalo Res.)
Top Recorder Depth (Inside) 3183 ft. Recorder Number 30035 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3248 ft. Recorder Number 13387 Cap. 3900 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chem Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.3 **CONFIDENTIAL** 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6900 P.P.M. Drill Pipe Length 3168 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No **KCC** Reversed Out NO Anchor Length 51 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Fair blow To 5" NBB
2nd Open: Fair blow To 4" NBB

Recovered 60 ft. of CO 22 Gravity @ 60'
Recovered 52 ft. of SWC 0m 18%W 39%O 60%M
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: Recovered: 112' of Fluid total
Tool smpl: 4%W 46%O 50%M

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DEC 11 2009
CONSERVATION DIVISION
WICHITA, KS

	A.M.	P.M.		A.M.	P.M.	
Time Set Packer(s)	<u>11:43</u>		Time Started Off Bottom	<u>3:28</u>		Maximum Temperature <u>101</u>
Initial Hydrostatic Pressure.....	(A)	<u>1554</u>	P.S.I.			
Initial Flow Period..... Minutes	<u>30</u>	(B)	<u>24</u>	P.S.I. to (C)	<u>38</u>	P.S.I.
Initial Closed In Period..... Minutes	<u>45</u>	(D)	<u>1067</u>	P.S.I.		
Final Flow Period..... Minutes	<u>60</u>	(E)	<u>41</u>	P.S.I. to (F)	<u>68</u>	P.S.I.
Final Closed In Period..... Minutes	<u>90</u>	(G)	<u>1058</u>	P.S.I.		
Final Hydrostatic Pressure.....	(H)	<u>1551</u>	P.S.I.			

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.