



WESTERN TESTING CO., INC.
P.O. BOX 1599 — WICHITA, KANSAS 67201

DATE 5/23/81

Cities Service Company
209 East William, Suite 700
Sutton Place
Wichita, Kansas 67202

WELL REPORT NO

7905

UNIT NO

DISTRICT

CORRECTED INVOICE

FOR CUSTOMER'S USE ONLY

REGISTER NO

VOUCHER NO

TERMS APPROVED

PRICE APPROVED

CALCULATIONS CHECKED

ADJUSTMENTS

ACCOUNTING DISTRIBUTION

AUDITED

FINAL APPROVAL

YOUR ORDER NO.

OWNER

CONTRACTOR

WELL NO.

FARM

COUNTY

SECTION

TWP

RANGE

#1

Phipps "A"

Sumner County, Ks.

30

31S

2E

One drill stem test from 3663' to 3704'

(Test 2)

MISRUN

\$ 400.00

Jars

300.00

Safety Joint

65.00

Mileage: Fifty-six miles @ .75¢ per mile

42.00

\$ 807.00

POSTED

CORRECTED INVOICE

CORRECTED INVOICE

CORRECTED INVOICE

DISCOUNT

8.07

1% DISCOUNT ALLOWED ON THIS INVOICE IF PAID
BY THE 20TH OF THE FOLLOWING MONTH.

PLEASE INCLUDE OUR INVOICE NUMBER
WITH YOUR REMITTANCE

INVOICE NUMBER

7905

REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.

P.O. BOX 1599 — WICHITA, KANSAS 67201

DATE

5/23/81

Cities Service Company
209 East William, Suite 700
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Wichita, Kansas 67202

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Phipps "A"

Sumner County, Ks.

30

31S 2E

One drill stem test from 3663' to 3704'

(Test 2)

Jars

Safety Joint

Mileage: Fifty-six miles @ .75¢ per mile

Misran charges \$400.00
N/C → \$625.00
LK → 300.00
→ 65.00
→ 42.00

~~\$1,032.00~~

807.00

*Work corrected by
Paul Linder & Larry*

DISCOUNT
10.32

1% DISCOUNT ALLOWED ON THIS INVOICE IF PAID
BY THE 20TH OF THE FOLLOWING MONTH

PLEASE INCLUDE OUR INVOICE NUMBER
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INVOICE NUMBER

7905

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 7905

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 12105L Formation Simp Eff. Pay Ft.

District 12105L Date 5-23 Customer Order No. August

COMPANY NAME Citic's Service Company

ADDRESS 209 East William 700 Sutton Place, Wichita, KS 67202

LEASE AND WELL NO. Phillips #1 "A" COUNTY Sumner STATE Ks Sec 30 Twp 31S Rge 2E

Mail Invoice To Same Co. Name Same Address Same No. Copies Requested 1

Mail Charts To Same Address Same No. Copies Requested 5

Formation Test No. 2 Interval Tested from 3663 ft. to 3704 ft. Total Depth 3704 ft.

Packer Depth 3663 ft. Size 6 3/4 in. Packer Depth 3663 ft. Size 6 3/4 in.

Packer Depth 3663 ft. Size 6 3/4 in. Packer Depth 3663 ft. Size 6 3/4 in.

Depth of Selective Zone Set 3663

Top Recorder Depth (Inside) 3668 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3674 ft. Recorder Number 10260 Cap. 4650

Below Straddle Recorder Depth 3674 ft. Recorder Number 10260 Cap. 4650

Drilling Contractor Reynolds #1 Drill Collar Length 180 I. D. 5 1/2 in.

Mud Type Chum Viscosity 50 Weight Pipe Length 3465 I. D. 5 1/2 in.

Weight 8.9 Water Loss 11.6 cc. Drill Pipe Length 3465 I. D. 5 1/2 in.

Chlorides 7000 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.

Jars: Make XES WTC Serial Number 314 Anchor Length 41 ft. Size 5 1/2 in.

Did Well Flow? Yes Reversed Out No Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 1 1/2 in.

Blow: Good blow first trial, weak did in 5 min second flow

Recovered 1030 ft. of mud

Recovered 300 ft. of watery mud with oil spots on top of tool

Recovered 300 ft. of watery mud with oil spots on top of tool

Recovered 300 ft. of watery mud with oil spots on top of tool

Recovered 300 ft. of watery mud with oil spots on top of tool

Remarks: Real outside chart

Time On Location 12:15 A.M. Time Pick Up Tool 3:15 A.M. Time Off Location 11:19 A.M.

Time Set Packer(s) 12:15 A.M. Time Started Off Bottom 3:15 A.M. Maximum Temperature 119°

Initial Hydrostatic Pressure 1751 (A) P.S.I. Initial Flow Period 30 Minutes (B) P.S.I. to (C) 417 P.S.I.

Initial Closed In Period 60 Minutes (D) P.S.I. Initial Flow Period 30 Minutes (E) P.S.I. to (F) 679 P.S.I.

Final Flow Period 30 Minutes (G) P.S.I. Final Closed In Period 60 Minutes (H) 1751 P.S.I.

Final Hydrostatic Pressure 1751 (H) P.S.I.

COMPANY TERMS

Western Testing Co., Inc. 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Douglas P. Meyer
Signature of Customer or his authorized representative

Western Representative Kenney R. Rendall

FIELD INVOICE

Open Hole Test	\$ <u>625.00</u>
Misrun	\$
Straddle Test	\$
Jars	\$ <u>300.00</u>
Selective Zone	\$
Safety Joint	\$ <u>65.00</u>
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage <u>56</u>	\$ <u>42.00</u>
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
TOTAL	\$ <u>1032.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 5-23 Test Ticket No. 7905
 Recorder No. 10266 Capacity 4650 Location 3674 Ft.
 Clock No. 1210 Elevation 212 Well Temperature 119 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1739</u> P.S.I.	<u>12:15</u> M	
B First Initial Flow Pressure	<u>479</u> P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>437</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1563</u> P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>724</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>706</u> P.S.I.		
G Final Closed-in Pressure	<u>1530</u> P.S.I.		
H Final Hydrostatic Mud	<u>1667</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 5 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

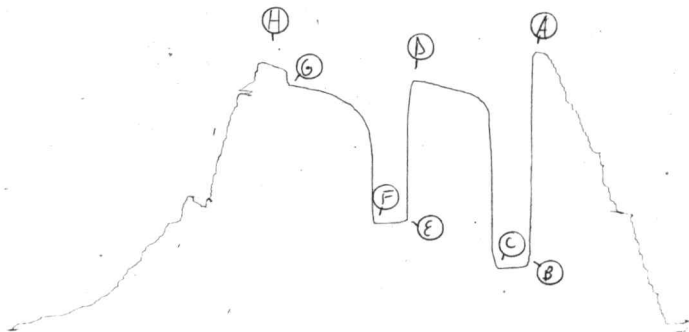
Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 5 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>479</u>	0	<u>437</u>	0	<u>724</u>	0	<u>706</u>
P 2 5	<u>450</u>	3	<u>528</u>	5	<u>715</u>	3	<u>1244</u>
P 3 10	<u>444</u>	6	<u>1400</u>	10	<u>709</u>	6	<u>1314</u>
P 4 15	<u>440</u>	9	<u>1440</u>	15	<u>706</u>	9	<u>1353</u>
P 5 20	<u>438</u>	12	<u>1465</u>	20	<u>706</u>	12	<u>1384</u>
P 6 25	<u>437</u>	15	<u>1476</u>	25	<u>706</u>	15	<u>1414</u>
P 7 30		18	<u>1488</u>	30		18	<u>1427</u>
P 8 35		21	<u>1493</u>	35		21	<u>1439</u>
P 9 40		24	<u>1504</u>	40		24	<u>1453</u>
P10 45		27	<u>1507</u>	45		27	<u>1470</u>
P11 50		30	<u>1512</u>	50		30	<u>1480</u>
P12 55		33	<u>1519</u>	55		33	<u>1488</u>
P13 60		36	<u>1526</u>	60		36	<u>1495</u>
P14		39	<u>1530</u>	65		39	<u>1501</u>
P15		42	<u>1537</u>	70		42	<u>1506</u>
P16		45	<u>1546</u>	75		45	<u>1509</u>
P17		48	<u>1549</u>	80		48	<u>1516</u>
P18		51	<u>1552</u>	85		51	<u>1521</u>
P19		54	<u>1555</u>	90		54	<u>1527</u>
P20		57	<u>1558</u>			57	<u>1530</u>
		60	<u>1563</u>			60	<u>1530</u>

1K1 1703 10266
O



Company Cities Service Company Lease & Well No. Phipps "A" #1
 Elevation 1210 Ground Level Formation Simpson Effective Pay - Ft. Ticket No. 7905
 Date 5/23/81 Sec. 30 Twp. 31S Range 2E County Sumner State Kansas
 Test Approved by Douglas D. Meyer Western Representative Kenny Kirkendall
 Formation Test No. 2 Interval Tested from 3663 ft. to 3704 ft. Total Depth 3704 ft.
 Packer Depth 3663 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3668 ft. Recorder Number 2605 Cap. 4150
 Bottom Recorder Depth (Outside) 3674 ft. Recorder Number 10266 Cap. 4650
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Reynolds Drlg. Rig #1 Drill Collar Length 180 I. D. - in.
 Mud Type chemical Viscosity 50 Weight Pipe Length - I. D. - in.
 Weight 8.9 Water Loss 11.6 cc. Drill Pipe Length 3465 I. D. - in.
 Chlorides 7,000 P.P.M. Test Tool Length 18 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 402 Anchor Length 41 ft. Size 5 1/2 in.
 Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Good blow on initial flow; weak; died in five minutes on final flow period.

Recovered 1030 ft. of mud
 Recovered 30- ft. of watery mud with oil spots on top of tool
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set	Packer(s)	<u>12:15</u>	<u>A.M.</u>	Time Started Off Bottom	<u>3:15</u>	<u>A.M.</u>	Maximum Temperature	<u>119°</u>
			<u>P.M.</u>			<u>P.M.</u>		
Initial Hydrostatic Pressure				(A)	<u>1739</u>		P.S.I.	
Initial Flow Period				Minutes	<u>25</u>	(B)	<u>479</u>	P.S.I. to (C) <u>437</u> P.S.I.
Initial Closed In Period				Minutes	<u>60</u>	(D)	<u>1563</u>	P.S.I.
Final Flow Period				Minutes	<u>25</u>	(E)	<u>724</u>	P.S.I. to (F) <u>706</u> P.S.I.
Final Closed In Period				Minutes	<u>60</u>	(G)	<u>1530</u>	P.S.I.
Final Hydrostatic Pressure				(H)	<u>1667</u>		P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 5/23/81 Recorder No. 10266 Capacity 4650 Test Ticket No. 7905
3674 Location 119 Ft.
 Clock No. - Elevation 1210 Ground Level Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1739 P.S.I.	Open Tool	12:15 M	
B First Initial Flow Pressure	479 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	437 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1563 P.S.I.	Second Flow Pressure	30 Mins.	25 Mins.
E Second Initial Flow Pressure	724 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	706 P.S.I.			
G Final Closed-in Pressure	1530 P.S.I.			
H Final Hydrostatic Mud	1667 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>479</u>	<u>0</u>	<u>437</u>	<u>0</u>	<u>724</u>	<u>0</u>	<u>706</u>
P 2 <u>5</u>	<u>450</u>	<u>3</u>	<u>528</u>	<u>5</u>	<u>715</u>	<u>3</u>	<u>1244</u>
P 3 <u>10</u>	<u>444</u>	<u>6</u>	<u>1400</u>	<u>10</u>	<u>709</u>	<u>6</u>	<u>1314</u>
P 4 <u>15</u>	<u>440</u>	<u>9</u>	<u>1440</u>	<u>15</u>	<u>706</u>	<u>9</u>	<u>1353</u>
P 5 <u>20</u>	<u>438</u>	<u>12</u>	<u>1465</u>	<u>20</u>	<u>706</u>	<u>12</u>	<u>1384</u>
P 6 <u>25</u>	<u>437</u>	<u>15</u>	<u>1476</u>	<u>25</u>	<u>706</u>	<u>15</u>	<u>1414</u>
P 7		<u>18</u>	<u>1488</u>			<u>18</u>	<u>1427</u>
P 8		<u>21</u>	<u>1493</u>			<u>21</u>	<u>1439</u>
P 9		<u>24</u>	<u>1504</u>			<u>24</u>	<u>1453</u>
P10		<u>27</u>	<u>1507</u>			<u>27</u>	<u>1470</u>
P11		<u>30</u>	<u>1512</u>			<u>30</u>	<u>1480</u>
P12		<u>33</u>	<u>1519</u>			<u>33</u>	<u>1488</u>
P13		<u>36</u>	<u>1526</u>			<u>36</u>	<u>1495</u>
P14		<u>39</u>	<u>1530</u>			<u>39</u>	<u>1501</u>
P15		<u>42</u>	<u>1537</u>			<u>42</u>	<u>1506</u>
P16		<u>45</u>	<u>1546</u>			<u>45</u>	<u>1509</u>
P17		<u>48</u>	<u>1549</u>			<u>48</u>	<u>1516</u>
P18		<u>51</u>	<u>1552</u>			<u>51</u>	<u>1521</u>
P19		<u>54</u>	<u>1555</u>			<u>54</u>	<u>1527</u>
P20		<u>57</u>	<u>1558</u>			<u>57</u>	<u>1530</u>
		<u>60</u>	<u>1563</u>			<u>60</u>	<u>1530</u>