



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 15159

OK

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

Elevation 1870 NB Formation \_\_\_\_\_ Eff. Pay \_\_\_\_\_ Ft.

District PRATT Date 1-15-82 Customer Order No. \_\_\_\_\_

COMPANY NAME Carl Todd

ADDRESS 1117 West River Blvd - Wichita, KS, 67203

LEASE AND WELL NO. 4-1 Levens COUNTY Barber STATE Kansas Sec. 1 Twp 30S Rge 13W

Mail Invoice To SAME No. Copies Requested Reg

Co. Name SAME Address \_\_\_\_\_ No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 2803 ft. to 2830 ft. Total Depth 2830 ft.

Packer Depth 2798 ft. Size 63/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 2803 ft. Size 63/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 2807 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 2810 ft. \*Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Red Tigae Dig #3 Drill Collar Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Mud Type starch Viscosity 50 Weight Pipe Length 316 I. D. 2 1/2 in.

Weight 9.6 Water Loss NC cc. Drill Pipe Length 2467 I. D. 3.8 in.

Chlorides 31,000 P.P.M. Test Tool Length 20 ft. Tool Size 5/16 in.

Jars: Make NO Serial Number \_\_\_\_\_ Anchor Length 27 ft. Size 5/16 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Strong blow throughout test

NO gas to surface

Recovered 150 ft. of Drilling mud

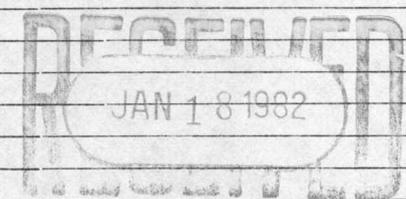
Recovered 180 ft. of water

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Read chart #4332



Time On Location 11:00 A.M. 1-13-82 Time Pick Up Tool 1:15 P.M. Time Off Location 6:30 A.M. P.M.

Time Set Packer(s) 2:20 A.M. P.M. Time Started Off Bottom 4:20 A.M. P.M. Maximum Temperature 118°F

Initial Hydrostatic Pressure (A) 1391 P.S.I.

Initial Flow Period Minutes 30 (B) 86 P.S.I. to (C) 86 P.S.I.

Initial Closed In Period Minutes 30 (D) 912 P.S.I.

Final Flow Period Minutes 30 (E) 194 P.S.I. to (F) 194 P.S.I.

Final Closed In Period Minutes 30 (G) 859 P.S.I.

Final Hydrostatic Pressure (H) 1370 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 John H. Ball  
Signature of Customer or his authorized representative

Western Representative Red Tigae Thank you

FIELD INVOICE

Open Hole Test \$ 625.00  
Misrun \$  
Straddle Test \$  
Jars \$  
Selective Zone \$  
Safety Joint \$  
Standby \$  
Evaluation \$  
Extra Packer \$  
Circ. Sub. \$  
Mileage 15mi \$ 11.25  
Fluid Sampler \$  
Extra Charts \$  
Insurance \$  
TOTAL \$ 636.25

WESTERN TESTING CO., INC.

Pressure Data

Date 1-15

Test Ticket No. 15159

Recorder No. 4332

Capacity 4200

Location 2810 Ft.

Clock No. ---

Elevation 1870 KB

Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1402</u>	P.S.I.	<u>2:20 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>89</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>89</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>897</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>190</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>190</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>874</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1360</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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 0	<u>89</u>	0	<u>89</u>	0	<u>190</u>	0	<u>190</u>
P 2 5		3	<u>433</u>	5		3	<u>511</u>
P 3 10		6	<u>638</u>	10		6	<u>666</u>
P 4 15		9	<u>743</u>	15		9	<u>732</u>
P 5 20		12	<u>791</u>	20		12	<u>777</u>
P 6 25		15	<u>823</u>	25		15	<u>813</u>
P 7 30	<u>89</u>	18	<u>849</u>	30	<u>190</u>	18	<u>826</u>
P 8 35		21	<u>867</u>	35		21	<u>840</u>
P 9 40		24	<u>882</u>	40		24	<u>851</u>
P10 45		27	<u>891</u>	45		27	<u>862</u>
P11 50		30	<u>897</u>	50		30	<u>874</u>
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

Company Carl Todd Lease & Well No. Levens #4-1  
 Elevation 1870 Kelly Bushing Formation - Effective Pay - Ft. Ticket No. 15159  
 Date 1/15/82 Sec. 1 Twp. 30S Range 13W County Barber State Kansas  
 Test Approved by John W. Ball Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 2803 ft. to 2830 ft. Total Depth 2830 ft.  
 Packer Depth 2798 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 2803 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 2807 ft. Recorder Number 2606 Cap. 4150  
 Bottom Recorder Depth (Outside) 2810 ft. \* Recorder Number 4332 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drlg. Rig #3 Drill Collar Length - I. D. - in.  
 Mud Type starch Viscosity 56 Weight Pipe Length 316 I. D. 2 1/2 in.  
 Weight 9.6 Water Loss N/C cc. Drill Pipe Length 2467 I. D. 3.8 in.  
 Chlorides 31,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make No Serial Number - Anchor Length 27 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out No 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 FH in.

Blow: Strong blow throughout test. No gas to surface

Recovered 150 ft. of drilling mud  
 Recovered 180 ft. of water  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

\* Read chart #4332

Time Set Packer(s)	<u>2:20</u> <del>P.M.</del> <sup>A.M.</sup>	Time Started Off Bottom	<u>4:20</u> <del>P.M.</del> <sup>A.M.</sup>	Maximum Temperature	<u>118°</u>
Initial Hydrostatic Pressure	(A)	<u>1402</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>89</u>	P.S.I. to (C) <u>89</u> P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>897</u>	P.S.I.
Final Flow Period	Minutes	<u>30</u>	(E)	<u>190</u>	P.S.I. to (F) <u>190</u> P.S.I.
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>874</u>	P.S.I.
Final Hydrostatic Pressure	(H)	<u>1360</u>	P.S.I.		

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 1/15/82 Test Ticket No. 15159  
 Recorder No. 4332 Capacity 4299 Location 2810 Ft.  
 Clock No. -- Elevation 1870 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1402 P.S.I.	Open Tool	2:20A	M
B First Initial Flow Pressure	89 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	89 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	897 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	190 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	190 P.S.I.			
G Final Closed-in Pressure	874 P.S.I.			
H Final Hydrostatic Mud	1360 P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of		of		of		of	
	mins. and a		mins. and a		mins. and a		mins. and a	
	final inc. of		final inc. of		final inc. of		final inc. of	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	89	0	89	0	190	0	190	
P 2 5	89	3	433	5	190	3	511	
P 3 10	89	6	638	10	190	6	666	
P 4 15	89	9	743	15	190	9	732	
P 5 20	89	12	791	20	190	12	777	
P 6 25	89	15	823	25	190	15	813	
P 7 30	89	18	849	30	190	18	826	
P 8		21	867			21	840	
P 9		24	882			24	851	
P10		27	891			27	862	
P11		30	897			30	874	
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

4332 DST #1

JK # 15159  
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