



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4709

P. O. BOX 1599 WICHITA, KANSAS 67201 PHONE (316) 838-0601

Elevation _____ Formation Mississippi Eff. Pay _____ Ft.

District St. Bend Date 3-21-80 Customer Order No. _____

COMPANY NAME George A. Reed

ADDRESS 535 4th FINANCIAL CENTER WICHITA, Ks. 67202

LEASE AND WELL NO. Rempke #1 COUNTY Marion STATE Ks. Sec. 29 Twp 19 Rge. 5E &

Mail Invoice To Same Rempel #1 No. Copies Requested 5

Co. Name _____ Address _____

Mail Charts To Same No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2245 ft. to 2258 ft. Total Depth 2258 ft.

Packer Depth 2245 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 2240 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2248 ft. Recorder Number 10265 Cap. 4650

Bottom Recorder Depth (Outside) 2252 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Berentsy Drilling Drill Collar Length 183 I. D. 2.2 in.

Mud Type _____ Viscosity 49 Weight Pipe Length _____ I. D. _____ in.

Weight 9.2 Water Loss 12 cc. Drill Pipe Length 2041 I. D. 3.8 in.

Chlorides _____ P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 13 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 1 1/2 in. Bottom Choke Size 1 1/2 in.

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

Blow: 1st of blow STRONG BLOW

2nd of blow STRONG BLOW

Recovered 123 ft. of DRLG MUD

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 2:15 A.M. Time Started Off Bottom 4:15 A.M. Maximum Temperature 93°

Initial Hydrostatic Pressure _____ (A) 1041 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 46 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 600 P.S.I.

Final Flow Period _____ Minutes 30 (E) 69 P.S.I. to (F) 69 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 506 P.S.I.

Final Hydrostatic Pressure _____ (H) 1030 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.

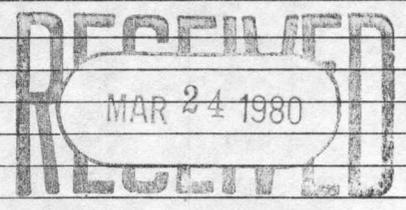
Test Approved By George A. Reed Signature of Customer or his authorized representative

Western Representative Dan Odeman

FIELD INVOICE

- Open Hole Test \$ 500.00
- Misrun \$ _____
- Straddle Test \$ _____
- Jars \$ _____
- Selective Zone \$ _____
- Safety Joint \$ _____
- Standby \$ _____
- Evaluation \$ _____
- Extra Packer \$ _____
- Circ. Sub. \$ _____
- Mileage \$ _____
- Fluid Sampler \$ 40.00
- Extra Charts \$ _____

TOTAL \$ 540.00





GAS FLOW REPORT

Nº 1587

Date 3-21-80 Ticket 4709 Company George Reed
 Well Name and No. BEMPKE #1 Dst No. 1 Interval Tested 2245-2258
 County MARION State KS Sec. 29 Twp. 19 Rg. 5^E

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
					G.T.S. IN 11 MIN.
12	17 IW	1/4	6.930	11	CFPD
20	10 IW	1/2	19.900	11	CFPD
30	8 IW	1/2	17.200	11	CFPD

SECOND FLOW

1	18 IW	3/4	60.200	11	CFPD
10	7 IW	1/2	16.700	11	CFPD
20	5.5 IW	1/2	14.700	11	CFPD
30	5 IW	1/2	14.100	11	CFPD

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____
 Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 3-21-80

Test Ticket No. 4709

Recorder No. 10265

Capacity 4650

Location 2248 Ft.

Clock No. _____ Elevation _____

Well Temperature 93 °F

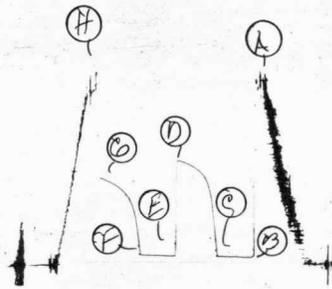
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1044</u> P.S.I.	Open Tool	<u>2:15 A</u> M	
B First Initial Flow Pressure	<u>32</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>34</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>606</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>34</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>500</u> P.S.I.			
H Final Hydrostatic Mud	<u>1031</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	<u>0</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>41</u>
P 2	<u>5</u>	<u>3</u>	<u>27</u>	<u>3</u>	<u>274</u>	<u>3</u>	<u>251</u>
P 3	<u>10</u>	<u>6</u>	<u>29</u>	<u>6</u>	<u>435</u>	<u>6</u>	<u>343</u>
P 4	<u>15</u>	<u>9</u>	<u>30</u>	<u>9</u>	<u>493</u>	<u>9</u>	<u>387</u>
P 5	<u>20</u>	<u>12</u>	<u>31</u>	<u>12</u>	<u>530</u>	<u>12</u>	<u>417</u>
P 6	<u>25</u>	<u>15</u>	<u>33</u>	<u>15</u>	<u>555</u>	<u>15</u>	<u>442</u>
P 7	<u>30</u>	<u>18</u>	<u>34</u>	<u>18</u>	<u>569</u>	<u>18</u>	<u>458</u>
P 8	<u>35</u>	<u>21</u>		<u>21</u>	<u>583</u>	<u>21</u>	<u>472</u>
P 9	<u>40</u>	<u>24</u>		<u>24</u>	<u>593</u>	<u>24</u>	<u>481</u>
P10	<u>45</u>	<u>27</u>		<u>27</u>	<u>600</u>	<u>27</u>	<u>493</u>
P11	<u>50</u>	<u>30</u>		<u>30</u>	<u>606</u>	<u>30</u>	<u>500</u>
P12	<u>55</u>	<u>33</u>		<u>33</u>		<u>33</u>	
P13	<u>60</u>	<u>36</u>		<u>36</u>		<u>36</u>	
P14		<u>39</u>		<u>39</u>		<u>39</u>	
P15		<u>42</u>		<u>42</u>		<u>42</u>	
P16		<u>45</u>		<u>45</u>		<u>45</u>	
P17		<u>48</u>		<u>48</u>		<u>48</u>	
P18		<u>51</u>		<u>51</u>		<u>51</u>	
P19		<u>54</u>		<u>54</u>		<u>54</u>	
P20		<u>57</u>		<u>57</u>		<u>57</u>	
		<u>60</u>		<u>60</u>		<u>60</u>	

10265
4709

~~TK# 4709~~
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Company George A. Reed Lease & Well No. Rempel #1
 Elevation ----- Formation Mississippi Effective Pay ----- Ft. Ticket No. 4709
 Date 3/21/80 Sec. 29 Twp. 19S Range 5E County Marion State Kansas
 Test Approved by Bruce A. Reed Western Representative Dan Delaney

Formation Test No. 1 Interval Tested from 2245 ft. to 2258 ft. Total Depth 2258 ft.
 Packer Depth 2245 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2240 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2248 ft. Recorder Number 10265 Cap. 4650
 Bottom Recorder Depth (Outside) 2252 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Berentz Drilling Drill Collar Length 183 I. D. 2.2 in.
 Mud Type ----- Viscosity 49 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 12 cc. Drill Pipe Length 2041 I. D. 3.8 in.
 Chlorides ----- P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make ----- Serial Number ----- Anchor Length 13 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 XH in.

Blow: First flow - strong blow.
Second flow - strong blow.

Recovered 123 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 2:15 ~~AM~~ P.M. Time Started Off Bottom 4:15 ~~AM~~ P.M. Maximum Temperature 93
 Initial Hydrostatic Pressure 1044 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 32 P.S.I. to (C) 34 P.S.I.
 Initial Closed In Period 30 Minutes (D) 606 P.S.I.
 Final Flow Period 30 Minutes (E) 34 P.S.I. to (F) 41 P.S.I.
 Final Closed In Period 30 Minutes (G) 500 P.S.I.
 Final Hydrostatic Pressure 1031 (H) P.S.I.

GAS FLOW REPORT

Date 3/21/80 Ticket 4709 Company George A. Reed
 Well Name and No. Rempel #1 Dst No. 1 Interval Tested 2245'-2258'
 County Marion State Kansas Sec. 29 Twp. 19S Rg. 5E

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Gas to surface in eleven minutes. PRE FLOW						
	12 min.	17" of water	1/4" orifice			6,930 CFPD
	20 min.	10" of water	1/2" orifice			19,900 CFPD
	30 min.	8" of water	1/2" orifice			17,200 CFPD

SECOND FLOW

	1 min.	18" of water	3/4" orifice			60,200 CFPD
	10 min.	7" of water	1/2" orifice			16,700 CFPD
	20 min.	5.5" of water	1/2" orifice			14,700 CFPD
	30 min.	5" of water	1/2" orifice			14,100 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 3/21/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME George A. Reed
 Authorized by Dan Delaney

WESTERN TESTING CO., INC.
Pressure Data

Date 3-21-80

Test Ticket No. 4709

Recorder No. 10265

Capacity 4650 Location 2248 Ft.

Clock No. _____ Elevation -

Well Temperature 93 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1044</u>	P.S.I.	Open Tool	<u>2:15 A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>32</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>34</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>606</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>34</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>41</u>	P.S.I.			
G Final Closed-in Pressure	<u>500</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1031</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 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 <u>0</u>	<u>32</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>41</u>
P 2 <u>5</u>	<u>27</u>	<u>3</u>	<u>274</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>251</u>
P 3 <u>10</u>	<u>29</u>	<u>6</u>	<u>435</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>343</u>
P 4 <u>15</u>	<u>30</u>	<u>9</u>	<u>493</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>387</u>
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>530</u>	<u>20</u>	<u>41</u>	<u>12</u>	<u>417</u>
P 6 <u>25</u>	<u>33</u>	<u>15</u>	<u>555</u>	<u>25</u>	<u>41</u>	<u>15</u>	<u>442</u>
P 7 <u>30</u>	<u>34</u>	<u>18</u>	<u>569</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>458</u>
P 8 _____		<u>21</u>	<u>583</u>			<u>21</u>	<u>472</u>
P 9 _____		<u>24</u>	<u>593</u>			<u>24</u>	<u>481</u>
P10 _____		<u>27</u>	<u>600</u>			<u>27</u>	<u>493</u>
P11 _____		<u>30</u>	<u>606</u>			<u>30</u>	<u>500</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 4710

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 838-0601

Elevation 1448 K.B. Formation Mississippi Eff. Pay Ft.

District St. Bend Date 3-21-80 Customer Order No.

COMPANY NAME George A. Reed
ADDRESS 535 FINANCIAL CENTER Wichita, Ks. 67202
LEASE AND WELL NO. Rempko #1 COUNTY Marion STATE Ks. Sec. 29 Twp. 19 Rge. 5E
Mail Invoice To Same Rempel No. Copies Requested 5
Mail Charts To Same No. Copies Requested 5

Formation Test No. 2 Interval Tested from 2259 ft. to 2272 ft. Total Depth 2272 ft.
Packer Depth 2259 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2254 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Top Recorder Depth (Inside) 2262 ft. Recorder Number 10265 Cap. 4650
Bottom Recorder Depth (Outside) 2266 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Berents Only Drill Collar Length 183 I. D. 2.2 in.
Mud Type Viscosity 49 Weight Pipe Length I. D. in.
Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 2055 I. D. 3.8 in.
Chlorides P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
Jars: Make Serial Number Anchor Length 13 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X in.

Blow: 1st Flow Strong Blow
2nd Flow Strong Blow

Recovered 570 ft. of GAS IN PIPE
Recovered 30 ft. of DRLG MUD
Recovered 60 ft. of MUDDY SALT WATER
REMARKS:
RECEIVED MAR 24 1980

Table with 4 columns: Time Set Packer(s), Time Started Off Bottom, Maximum Temperature, and various pressure/period measurements (A-H).

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 [Signature] Signature of Customer or his authorized representative
Western Representative [Signature] Dan Delaney

FIELD INVOICE

Table listing items and costs: Open Hole Test \$300.00, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts.

TOTAL

WESTERN TESTING CO., INC.

Pressure Data

Date 3-21-80 Test Ticket No. 4710
 Recorder No. 10265 Capacity 4650 Location 2262 Ft.
 Clock No. _____ Elevation 1448 K.B. Well Temperature _____ °F

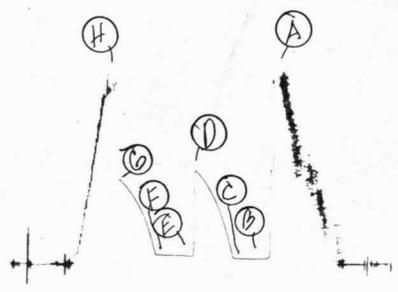
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1076</u> P.S.I.	Open Tool	<u>9:20 P</u> M	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>553</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>39</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.			
G Final Closed-in Pressure	<u>500</u> P.S.I.			
H Final Hydrostatic Mud	<u>1065</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	of	Breakdown:	of	Breakdown:	of	Breakdown:	of
	<u>6</u> Inc.	<u>5</u> mins. and a	<u>10</u> Inc.	<u>3</u> mins. and a	<u>6</u> Inc.	<u>5</u> mins. and a	<u>9</u> Inc.	<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>36</u>	0	<u>28</u>	0	<u>39</u>	0	<u>48</u>	
P 2	<u>27</u>	3	<u>117</u>	3	<u>43</u>	3	<u>124</u>	
P 3	<u>25</u>	6	<u>214</u>	6	<u>46</u>	6	<u>211</u>	
P 4	<u>25</u>	9	<u>294</u>	9	<u>46</u>	9	<u>276</u>	
P 5	<u>26</u>	12	<u>354</u>	12	<u>46</u>	12	<u>331</u>	
P 6	<u>27</u>	15	<u>405</u>	15	<u>47</u>	15	<u>377</u>	
P 7	<u>28</u>	18	<u>447</u>	18	<u>48</u>	18	<u>414</u>	
P 8		21	<u>483</u>	21		21	<u>444</u>	
P 9		24	<u>513</u>	24		24	<u>476</u>	
P10		27	<u>539</u>	27		27	<u>500</u>	
P11		30	<u>553</u>	30		30		
P12		33		33		33		
P13		36		36		36		
P14		39		39		39		
P15		42		42		42		
P16		45		45		45		
P17		48		48		48		
P18		51		51		51		
P19		54		54		54		
P20		57		57		57		
		60		60		60		

10x00
= 4710

~~114#4710~~
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Company George A. Reed Lease & Well No. Rempel #1
 Elevation 1448 Kelly Bushing Mississippi Effective Pay ----- Ft. Ticket No. 4710
 Date 3/21/80 Sec. 29 Twp. 19S Range 5E County Marion State Kansas
 Test Approved by Bruce A. Reed Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 2259 ft. to 2272 ft. Total Depth 2272 ft.
 Packer Depth 2259 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2254 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2262 ft. Recorder Number 1026 Cap. 4650
 Bottom Recorder Depth (Outside) 2266 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Berentz Drilling Drill Collar Length 183 I. D. 2.2 in.
 Mud Type Viscosity 49 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 2055 I. D. 3.8 in.
 Chlorides ----- P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make ----- Serial Number ----- Anchor Length 13 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: First flow - strong blow.
Second flow - strong blow.

Recovered 570 ft. of gas in pipe
 Recovered 30 ft. of drilling mud
 Recovered 60 ft. of muddy salt water
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 9:20 ~~A.M.~~ P.M. Time Started Off Bottom 11:20 ~~A.M.~~ P.M. Maximum Temperature -
 Initial Hydrostatic Pressure (A) 1076 P.S.I.
 Initial Flow Period Minutes 30 (B) 36 P.S.I. to (C) 28 P.S.I.
 Initial Closed In Period Minutes 30 (D) 553 P.S.I.
 Final Flow Period Minutes 30 (E) 39 P.S.I. to (F) 48 P.S.I.
 Final Closed In Period Minutes 27 (G) 500 P.S.I.
 Final Hydrostatic Pressure (H) 1065 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3-21-80 Test Ticket No. 4710
 Recorder No. 10265 Capacity 4650 Location 2262 Ft.
 Clock No. _____ Elevation 1448 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1076 P.S.I.	Open Tool	9:20P M	
B First Initial Flow Pressure	36 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	553 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	39 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	48 P.S.I.			
G Final Closed-in Pressure	500 P.S.I.			
H Final Hydrostatic Mud	1065 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 9 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 <u>0</u>	<u>36</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>27</u>	<u>3</u>	<u>117</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>124</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>214</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>211</u>
P 4 <u>15</u>	<u>25</u>	<u>9</u>	<u>294</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>276</u>
P 5 <u>20</u>	<u>26</u>	<u>12</u>	<u>354</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>331</u>
P 6 <u>25</u>	<u>27</u>	<u>15</u>	<u>405</u>	<u>25</u>	<u>47</u>	<u>15</u>	<u>377</u>
P 7 <u>30</u>	<u>28</u>	<u>18</u>	<u>447</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>414</u>
P 8 _____	_____	<u>21</u>	<u>483</u>	_____	_____	<u>21</u>	<u>444</u>
P 9 _____	_____	<u>24</u>	<u>513</u>	_____	_____	<u>24</u>	<u>476</u>
P10 _____	_____	<u>27</u>	<u>539</u>	_____	_____	<u>27</u>	<u>500</u>
P11 _____	_____	<u>30</u>	<u>553</u>	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____