



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 6343

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

Elevation 1384 K.B. Formation Mississippian Eff. Pay Ft.

District St. Bernard Date 6-13-80 Customer Order No.

COMPANY NAME George A. Reed ADDRESS 535 1/2 Financial Center Wichita, Ks. 67202

LEASE AND WELL NO. Riesen #1 COUNTY Marion STATE KS Sec. 2 Twp 19S Rge 2E

Mail Invoice To Riesen #1 Co. Name Same Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2508 ft. to 2522 ft. Total Depth 2522 ft.

Packer Depth 2508 ft. Size 6 3/4 in. Recorder Number 6234 Cap. 4500

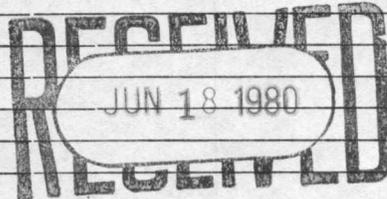
Packer Depth 2503 ft. Size 6 3/4 in. Recorder Number 4339 Cap. 4300

Drilling Contractor Berentsz Drlg #1 Mud Type Viscosity 43 Weight 9.5 Water Loss 17.6 cc.

Jars: Make Serial Number Did Well Flow? No Reversed Out No

Blow: I.F. - Fair Blow Building to Strong F.F. - Strong Blow Throughout

Recovered 130 ft. of MUD Recovered 90 ft. of MURRY WATER



Remarks: Arrived - 3:45 A.M. 6-13-80 Left - 3:15 P.M. 6-13-80

Table with 4 columns: Time Set Packer(s), Time Started Off Bottom, Maximum Temperature, and P.S.I. readings (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...

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 with 2 columns: Item and Amount. Includes Open Hole Test, Mileage 70 MILES, Fluid Sampler, and TOTAL \$602.50.



GAS FLOW REPORT

Nº 1766

Date 6-13-80 Ticket 6343 Company George A. Reed
 Well Name and No. Riesen #1 Dst No. 1 Interval Tested 2508-2522
 County Marion State Ks Sec. 2 Twp. 19S Rg. 2E

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		17 MIN		
18	25 IW	1 1/2"		0.15	348,000 C.F.P.D.
20	11 IW	1 1/2"		0.15	231,000 C.F.P.D.
30	7 IW	1 1/2"		0.15	184,000 "

SECOND FLOW

1	4 IW	1 1/2"		0.15	139,000 C.F.P.D.
10	9.5 IW	1 1/2"		0.15	215,000 C.F.P.D.
20	9.5 IW	1 1/2"		0.15	215,000 "
30	9.5 IW	1 1/2"		0.15	215,000 "

GAS BOTTLE

Serial No. 187 Date Bottle Filled 6-13-80 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 George A. Reed

WESTERN TESTING CO., INC.
Pressure Data

Date 6-13 Test Ticket No. 6243
 Recorder No. 6234 Capacity 4500 Location 2512 Ft.
 Clock No. Elevation 1384 KB Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1240</u>	P.S.I.	<u>10:50</u>	<u>A</u>
B First Initial Flow Pressure	<u>55</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>85</u>	P.S.I.	<u>30</u>	Mins. <u>27</u> Mins.
D Initial Closed-in Pressure	<u>605</u>	P.S.I.	<u>30</u>	Mins. _____ Mins.
E Second Initial Flow Pressure	<u>76</u>	P.S.I.	<u>45</u>	Mins. _____ Mins.
F Second Final Flow Pressure	<u>89</u>	P.S.I.		
G Final Closed-in Pressure	<u>606</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1235</u>	P.S.I.		

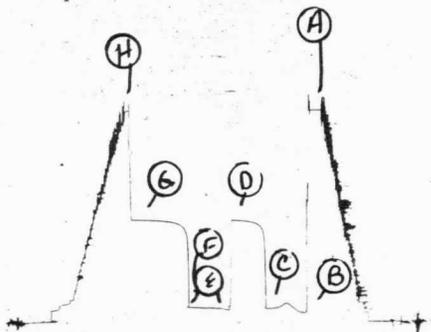
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: _____ 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.
1 0	<u>55</u>	0	<u>85</u>	0	<u>76</u>	0	<u>89</u>
2 5	<u>58</u>	3	<u>525</u>	5	<u>84</u>	3	<u>520</u>
3 10	<u>89</u>	6	<u>572</u>	10	<u>89</u>	6	<u>565</u>
4 15	<u>112</u>	9	<u>586</u>	15	<u>89</u>	9	<u>583</u>
5 20	<u>96</u>	12	<u>592</u>	20	<u> </u>	12	<u>591</u>
6 25	<u>85</u>	15	<u>598</u>	25	<u> </u>	15	<u>595</u>
7 30	<u>85</u>	18	<u>598</u>	30	<u>89</u>	18	<u>598</u>
8 35		21	<u>601</u>	35		21	<u>600</u>
9 40		24	<u>604</u>	40		24	<u>602</u>
10 45		27	<u>605</u>	45		27	<u>604</u>
11 50		30		50		30	<u>606</u>
12 55		33		55		33	<u>606</u>
13 60		36		60		36	<u>606</u>
14		39		65		39	<u>606</u>
15		42		70		42	<u>606</u>
16		45		75		45	<u>606</u>
17		48		80		48	
18		51		85		51	
19		54		90		54	
20		57				57	
		60				60	

Alt # 6343

6343

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Company George A. Reed Lease & Well No. Riesen #1
 Elevation 1384 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 6343
 Date 6-13-80 Sec. 2 Twp 19S Range 2E County Marion State KS
 Test Approved by Bruce A. Reed Western Representative Dan Delaney

Formation Test No. 1 Interval Tested from 2508 ft. to 2522 ft. Total Depth 2522 ft.
 Packer Depth 2508 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2503 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2512 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 2516 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Berentz Drlg. #1 Drill Collar Length 238 I. D. 2.2 in.
 Mud Type - Viscosity 43 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 17.6 cc. Drill Pipe Length 2254 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 in.
 Did Well Flow? - Reversed Out - 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: Fair blow building to strong on initial flow period. Strong blow throughout final flow.

Recovered 130 ft. of Mud
 Recovered 90 ft. of Muddy water
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: Gas to surface in 17 minutes. See attached gas sheet.

Time Set Packer(s) 10:50 ^{A.M.}/_{P.M.} Time Started Off Bottom 1:05 ^{A.M.}/_{P.M.} Maximum Temperature 93
 Initial Hydrostatic Pressure (A) 1240 P.S.I.
 Initial Flow Period Minutes 30 (B) 55 P.S.I. to (C) 85 P.S.I.
 Initial Closed In Period Minutes 27 (D) 605 P.S.I.
 Final Flow Period Minutes 30 (E) 76 P.S.I. to (F) 89 P.S.I.
 Final Closed In Period Minutes 45 (G) 606 P.S.I.
 Final Hydrostatic Pressure (H) 1235 P.S.I.

GAS FLOW REPORT

Date 6/13/80 Ticket 6343 Company George A. Reed
 Well Name and No. Riesen #1 Dst No. 1 Interval Tested 2508' -2522'
 County Marion State Kansas Sec. 2 Twp. 19S Rg. 2E

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
PRE FLOW						
	18 min.	25" of water		1½" orifice		348,000 CFPD
	20 min.	11" of water		1½" orifice		231,000 CFPD
	30 min.	7" of water		1½" orifice		184,000 CFPD

SECOND FLOW						
	1 min.	4" of water		1½" orifice		139,000 CFPD
	10 min.	9.5" of water		1½" orifice		215,000 CFPD
	20 min.	9.5" or water		1½" orifice		215,000 CFPD
	30 min.	9.5" of water		1½" orifice		215,000 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled - Date to be Invoiced 6/13/80

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 1½% 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 Bruce Reed
 Authorized by Dan DeLaney

WESTERN TESTING CO., INC.
Pressure Data

Date 6/13/80 Test Ticket No. 6343
 Recorder No. 6234 Capacity 4500 Location 2512 Ft.
 Clock No. - Elevation 1384 Kelly Bushing Well Temperature 93 °F

Point	Pressure			Time Given		Time Computed	
A. Initial Hydrostatic Mud	<u>1240</u>	P.S.I.	Open Tool	<u>10:50A</u>	<u>M</u>		
B. First Initial Flow Pressure	<u>55</u>	P.S.I.	First Flow Pressure	<u>30</u>	Mins.	<u>30</u>	Mins.
C. First Final Flow Pressure	<u>85</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u>	Mins.	<u>27</u>	Mins.
D. Initial Closed-in Pressure	<u>605</u>	P.S.I.	Second Flow Pressure	<u>30</u>	Mins.	<u>30</u>	Mins.
E. Second Initial Flow Pressure	<u>76</u>	P.S.I.	Final Closed-in Pressure	<u>45</u>	Mins.	<u>45</u>	Mins.
F. Second Final Flow Pressure	<u>89</u>	P.S.I.					
G. Final Closed-in Pressure	<u>606</u>	P.S.I.					
H. Final Hydrostatic Mud	<u>1235</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: 9 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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1 <u>0</u>	<u>55</u>	<u>0</u>	<u>85</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>89</u>	<u>0</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>525</u>	<u>3</u>	<u>84</u>	<u>5</u>	<u>520</u>	<u>3</u>
P 3 <u>10</u>	<u>89</u>	<u>6</u>	<u>572</u>	<u>6</u>	<u>89</u>	<u>10</u>	<u>565</u>	<u>6</u>
P 4 <u>15</u>	<u>112</u>	<u>9</u>	<u>586</u>	<u>9</u>	<u>89</u>	<u>15</u>	<u>583</u>	<u>9</u>
P 5 <u>20</u>	<u>96</u>	<u>12</u>	<u>592</u>	<u>12</u>	<u>89</u>	<u>20</u>	<u>591</u>	<u>12</u>
P 6 <u>25</u>	<u>85</u>	<u>15</u>	<u>598</u>	<u>15</u>	<u>89</u>	<u>25</u>	<u>595</u>	<u>15</u>
P 7 <u>30</u>	<u>85</u>	<u>18</u>	<u>598</u>	<u>18</u>	<u>89</u>	<u>30</u>	<u>598</u>	<u>18</u>
P 8		<u>21</u>	<u>601</u>	<u>21</u>			<u>600</u>	<u>21</u>
P 9		<u>24</u>	<u>604</u>	<u>24</u>			<u>602</u>	<u>24</u>
P10		<u>27</u>	<u>605</u>	<u>27</u>			<u>604</u>	<u>27</u>
P11							<u>606</u>	<u>30</u>
P12							<u>606</u>	<u>33</u>
P13							<u>606</u>	<u>36</u>
P14							<u>606</u>	<u>39</u>
P15							<u>606</u>	<u>42</u>
P16							<u>606</u>	<u>45</u>
P17								
P18								
P19								
P20								



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 6344

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

Elevation 1384 K.B. Formation Mississippian Eff. Pay Ft.

District St. Bend Date 6-13-80 Customer Order No.

COMPANY NAME George A. Reed
ADDRESS 535 4th Financial Center Wichita, Ks, 67202

LEASE AND WELL NO. Riesen #1 COUNTY Marion STATE KS. Sec. 2 Twp 19S Rge 2E

Mail Invoice To Riesen #1 Co. Name Same Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 Interval Tested from 2523 ft. to 2533 ft. Total Depth 2533 ft.
Packer Depth 2523 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2518 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 2525 ft. Recorder Number 6234 Cap. 4500
Bottom Recorder Depth (Outside) 2529 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Berentsy Drilling #1 Drill Collar Length 181 I. D. 2.2 in.
Mud Type Viscosity 43 Weight Pipe Length I. D. in.
Weight 9.5 Water Loss 17.6 cc. Drill Pipe Length 2326 I. D. 3.8 in.
Chlorides P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.
Jars: Make Serial Number Anchor Length 10 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 in.

Blow: F.F. - Strong Blow
F.F. - Strong Blow - See attached sheets for gas measurements

Recovered 30 ft. of OIL CUT GAS CUT MUD 8% oil 14% water 78% mud
Recovered 120 ft. of OIL & GAS CUT MUDDY WATER 8% oil 84% water 8% mud
Recovered 120 ft. of OIL & GAS CUT WATER 5% oil 92% water 3% mud
Recovered ft. of
Recovered ft. of

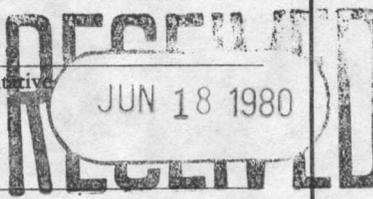
Remarks: Arrived - 4:30 P.M. 6-13-80
Left - 1:00 A.M. 6-14-80

Time Set Packer(s) 7:20 A.M. P.M. Time Started Off Bottom 9:20 A.M. P.M. Maximum Temperature 98°
Initial Hydrostatic Pressure (A) 1307 P.S.I.
Initial Flow Period Minutes 30 (B) 230 P.S.I. to (C) 253 P.S.I.
Initial Closed In Period Minutes 30 (D) 629 P.S.I.
Final Flow Period Minutes 30 (E) 253 P.S.I. to (F) 253 P.S.I.
Final Closed In Period Minutes 30 (G) 629 P.S.I.
Final Hydrostatic Pressure (H) 1296 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: [Signature]
Signature of Customer or his authorized representative
Western Representative: [Signature]



FIELD INVOICE

Open Hole Test \$ 350.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage N.C. \$
Fluid Sampler \$
Extra Charts \$
TOTAL \$ 550.00



GAS FLOW REPORT

Nº 1767

Date 6-13-80 Ticket 6344 Company George A. Reed
 Well Name and No. Riesen #1 Dst No. 2 Interval Tested 2523-2533
 County Marion State Ks. Sec. 2 Twp. 19^S Rg. 2^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
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G.T.S. IN 6 MIN. PRE FLOW

7	7 PSI	1 1/2"			1,036,000 C.F.P.D.
10	6 PSI	1 1/2"			953,000 "
20	20 PSI	1"			725,000 "
30	19 PSI	1"			699,000 "

SECOND FLOW

1	4 PSI	1"			283,000 C.F.P.D.
10	17 PSI	1"			652,000 "
20	15 PSI	1"			603,000 "
30	11 PSI	1"			499,000 "

GAS BOTTLE

Serial No. 87 Date Bottle Filled 6-13-80 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.

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COMPANY'S NAME George A. Reed

Authorized by Dan Delaney

WESTERN TESTING CO., INC.

Pressure Data

Date 6-13 Test Ticket No. 6344
 Recorder No. 6234 Capacity 4500 Location 2525 Ft.
 Clock No. — Elevation 1384 KB Well Temperature 98 °F

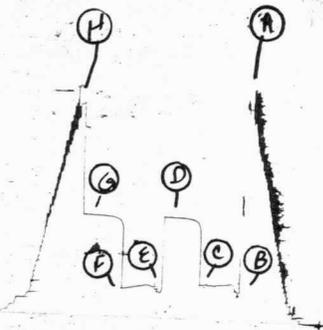
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1247</u>	P.S.I.	<u>7:30</u>	<u>P</u> M
B First Initial Flow Pressure	<u>143</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>212</u>	P.S.I.	<u>30</u>	Mins. <u>27</u> Mins.
D Initial Closed-in Pressure	<u>600</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>165</u>	P.S.I.	<u>30</u>	Mins. _____ Mins.
F Second Final Flow Pressure	<u>174</u>	P.S.I.		
G Final Closed-in Pressure	<u>600</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1238</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>9</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: _____ 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.
0	<u>143</u>	0	<u>212</u>	0	<u>165</u>	0	<u>174</u>
5	<u>220</u>	3	<u>581</u>	5	<u>193</u>	3	<u>577</u> 591
10	<u>220</u>	6	<u>592</u>	10	<u>199</u>	6	<u>591</u>
15	<u>216</u>	9	<u>598</u>	15	<u>190</u>	9	<u>595</u>
20	<u>212</u>	12	<u>600</u>	20	<u>186</u>	12	<u>597</u>
25	<u>212</u>	15		25	<u>178</u>	15	<u>598</u>
30	<u>212</u>	18		30	<u>174</u>	18	<u>599</u>
35		21		35		21	<u>601</u>
40		24		40		24	<u>601</u>
45		27	<u>600</u>	45		27	<u>600</u>
50		30		50		30	<u>600</u>
55		33		55		33	
60		36		60		36	
		39		65		39	
		42		70		42	
		45		75		45	
		48		80		48	
		51		85		51	
		54		90		54	
		57				57	
		60				60	

SKT # 6344
I

6234
6344



Company George A. Reed Lease & Well No. Riesen #1
 Elevation 1384 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 6344
 Date 6-13-80 Sec. 2 Twp. 19S Range 2E County Marion State Kansas
 Test Approved by Bruce A. Reed Western Representative Dan Delaney

Formation Test No. 2 Interval Tested from 2523 ft. to 2533 ft. Total Depth 2533 ft.
 Packer Depth 2523 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2518 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2525 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 2529 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Berentz Drilling (#1) Drill Collar Length 181 I. D. 2.2 in.
 Mud Type - Viscosity 43 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 17.6 cc. Drill Pipe Length 2326 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 10 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out - 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: Strong blow throughout test. Gas to surface in 6 minutes. See attached sheet for gas measurements.

Recovered 30 ft. of oil and gas cut mud (8% oil, 14% water, 78% mud)
 Recovered 120 ft. of oil and gas cut muddy water (8% oil, 84% water, 8% mud)
 Recovered 120 ft. of oil and gas cut water (5% oil, 92% water, 3% mud)
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 7:20 ~~A.M.~~ P.M. Time Started Off Bottom 9:20 ~~A.M.~~ P.M. Maximum Temperature 98
 Initial Hydrostatic Pressure (A) 1247 P.S.I.
 Initial Flow Period Minutes 30 (B) 143 P.S.I. to (C) 212 P.S.I.
 Initial Closed In Period Minutes 27 (D) 600 P.S.I.
 Final Flow Period Minutes 30 (E) 165 P.S.I. to (F) 174 P.S.I.
 Final Closed In Period Minutes 30 (G) 600 P.S.I.
 Final Hydrostatic Pressure (H) 1238 P.S.I.

GAS FLOW REPORT

Date 6-13-80 Ticket 6344 Company George A. Reed
 Well Name and No. Riesen #1 Dst No. 2 Interval Tested 2523' - 2533'
 County Marion State Kansas Sec. 2 Twp. 19S Rg. 2E

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla 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
PRE FLOW						
	7 min.	7 PSIG	1 1/2" orifice			1,036,000 C.F.P.D.
	10 min.	6 PSIG	1 1/2" orifice			953,000 C.F.P.D.
	20 min.	20 PSIG	1" orifice			725,000 C.F.P.D.
	30 min.	19 PSIG	1" orifice			699,000 C.F.P.D.

SECOND FLOW						
	1 min.	4 PSIG	1" orifice			283,000 C.F.P.D.
	10 min.	17 PSIG	1" orifice			652,000 C.F.P.D.
	20 min.	15 PSIG	1" orifice			603,000 C.F.P.D.
	30 min.	11 PSIG	1" orifice			499,000 C.F.P.D.

GAS BOTTLE

Serial No. 87 Date Bottle Filled 6-13-80 Date to be Invoiced 6-13-80

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 Bruce A. Reed

WESTERN TESTING CO., INC.

Pressure Data

Date 6-13-80

Test Ticket No. 6344

Recorder No. 6234

Capacity 4500

Location 2525 Ft.

Clock No. _____ Elevation 1384 Kelly Bushing

Well Temperature 98 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1247</u> P.S.I.	Open Tool		<u>7:20 P</u> M	
B First Initial Flow Pressure	<u>143</u> P.S.I.	First Flow Pressure		<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>212</u> P.S.I.	Initial Closed-in Pressure		<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>600</u> P.S.I.	Second Flow Pressure		<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>165</u> P.S.I.	Final Closed-in Pressure		<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>174</u> P.S.I.				
G Final Closed-in Pressure	<u>600</u> P.S.I.				
H Final Hydrostatic Mud	<u>1238</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: 9 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>143</u>	<u>0</u>	<u>212</u>	<u>0</u>	<u>165</u>	<u>0</u>	<u>174</u>
P 2 <u>5</u>	<u>220</u>	<u>3</u>	<u>581</u>	<u>5</u>	<u>193</u>	<u>3</u>	<u>577</u>
P 3 <u>10</u>	<u>220</u>	<u>6</u>	<u>592</u>	<u>10</u>	<u>199</u>	<u>6</u>	<u>591</u>
P 4 <u>15</u>	<u>216</u>	<u>9</u>	<u>598</u>	<u>15</u>	<u>190</u>	<u>9</u>	<u>595</u>
P 5 <u>20</u>	<u>212</u>	<u>12</u>	<u>600</u>	<u>20</u>	<u>186</u>	<u>12</u>	<u>597</u>
P 6 <u>25</u>	<u>212</u>	<u>15</u>	<u>600</u>	<u>25</u>	<u>178</u>	<u>15</u>	<u>598</u>
P 7 <u>30</u>	<u>212</u>	<u>18</u>	<u>600</u>	<u>30</u>	<u>174</u>	<u>18</u>	<u>599</u>
P 8 _____	_____	<u>21</u>	<u>600</u>	_____	_____	<u>21</u>	<u>601</u>
P 9 _____	_____	<u>24</u>	<u>600</u>	_____	_____	<u>24</u>	<u>601</u>
P10 _____	_____	<u>27</u>	<u>600</u>	_____	_____	<u>27</u>	<u>600</u>
P11 _____	_____	_____	_____	_____	_____	<u>30</u>	<u>600</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____