



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

# WESTERN TESTING CO., INC.

## FORMATION TESTING

Kelly Bushing

TICKET No 7609

Elevation 2205 H.B      Formation Mississippi      Eff. Pay - Ft.

District Pratt      Date 9/23/80      Customer Order No. -  
COMPANY NAME K + E Petroleum, Inc  
ADDRESS 816 Union Center Bldg, Wichita, KS 67202  
LEASE AND WELL NO. Parkin #10      COUNTY Kiowa      STATE KS      Sec. 10 Twp. 30S Rge. 18W  
Mail Invoice To Same      No. Copies Requested 5  
Co. Name      Address      No. Copies Requested 7  
Mail Charts To Same      Address      No. Copies Requested 7

Formation Test No. 1      Interval Tested from 4971 ft. to 5002 ft.      Total Depth 5002 ft.  
Packer Depth 4966 ft.      Size 6 3/4 in.      Packer Depth - ft.      Size - in.  
Packer Depth 4971 ft.      Size 6 3/4 in.      Packer Depth - ft.      Size - in.  
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4992 ft.      Recorder Number 2607      Cap. 4150  
Bottom Recorder Depth (Outside) 4995 ft.      Recorder Number 3351      Cap. 4000  
Below Straddle Recorder Depth - ft.      Recorder Number -      Cap. -  
Drilling Contractor Abercrombie Drilling Rig #11      Drill Collar Length 60 in.      I. D. 2 1/2 in.  
Mud Type Lig-Drispac      Viscosity 69      Weight Pipe Length 633 in.      I. D. 2 1/2 in.  
Weight 9.6      Water Loss 12.8 cc.      Drill Pipe Length 4267 in.      I. D. 3.2 in.  
Chlorides 19,000 P.P.M.      Test Tool Length 21 ft.      Tool Size 5500 in.  
Jars: Make -      Serial Number -      Anchor Length 31 ft.      Size 5500 in.  
Did Well Flow? No      Reversed Out No      Surface Choke Size 3/4 in.      Bottom Choke Size 3/4 in.  
Main Hole Size 7 1/2 in.      Tool Joint Size 4 1/2 FH in.

Blow: Fair blow throughout flow periods test

Recovered 65 ft. of Drilling Mud  
Recovered ft. of  
Recovered ft. of  
Recovered ft. of  
Recovered ft. of

RECEIVED  
SEP 26 1980  
RECEIVED

Remarks:

Time On Location 9:30 A.M.      Time Pick Up Tool 11:00 A.M.      Time Off Location 6:00 A.M.  
Time Set Packer(s) 12:40 P.M.      Time Started Off Bottom 3:40 P.M.      Maximum Temperature 119.2  
Initial Hydrostatic Pressure (A) 2678 P.S.I.  
Initial Flow Period Minutes 30 (B) 84 P.S.I. to (C) 84 P.S.I.  
Initial Closed In Period Minutes 45 (D) 105 P.S.I.  
Final Flow Period Minutes 45 (E) 95 P.S.I. to (F) 95 P.S.I.  
Final Closed In Period Minutes 60 (G) 105 P.S.I.  
Final Hydrostatic Pressure (H) 2657 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 of Customer or his authorized representative

Western Representative

### FIELD INVOICE

Open Hole Test \$ 650.00  
Misrun \$  
Straddle Test \$  
Jars \$  
Selective Zone \$  
Safety Joint \$  
Standby \$  
Evaluation \$  
Extra Packer \$  
Circ. Sub. \$  
Mileage 45m \$ 33.75  
Fluid Sampler \$  
2 Extra Charts \$ 16.00  
Insurance \$  
TOTAL \$ 693.75

# WESTERN TESTING CO., INC.

## Pressure Data

Date 9-23-80

Test Ticket No. 7609

Recorder No. 2607

Capacity 4150

Location 4992 Ft.

Clock No.                     

Elevation 2205 KB

Well Temperature 119 °F

| Point                                    | Pressure | Time Given      | Time Computed   |
|------------------------------------------|----------|-----------------|-----------------|
| A Initial Hydrostatic Mud <u>2674</u>    | P.S.I.   | <u>12:40</u> PM |                 |
| B First Initial Flow Pressure <u>95</u>  | P.S.I.   | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure <u>80</u>    | P.S.I.   | <u>45</u> Mins. | <u>45</u> Mins. |
| D Initial Closed-in Pressure <u>99</u>   | P.S.I.   | <u>45</u> Mins. | <u>45</u> Mins. |
| E Second Initial Flow Pressure <u>89</u> | P.S.I.   | <u>60</u> Mins. | <u>54</u> Mins. |
| F Second Final Flow Pressure <u>82</u>   | P.S.I.   |                 |                 |
| G Final Closed-in Pressure <u>93</u>     | P.S.I.   |                 |                 |
| H Final Hydrostatic Mud <u>2616</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: 15 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

### Second Flow Pressure

Breakdown: 9 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

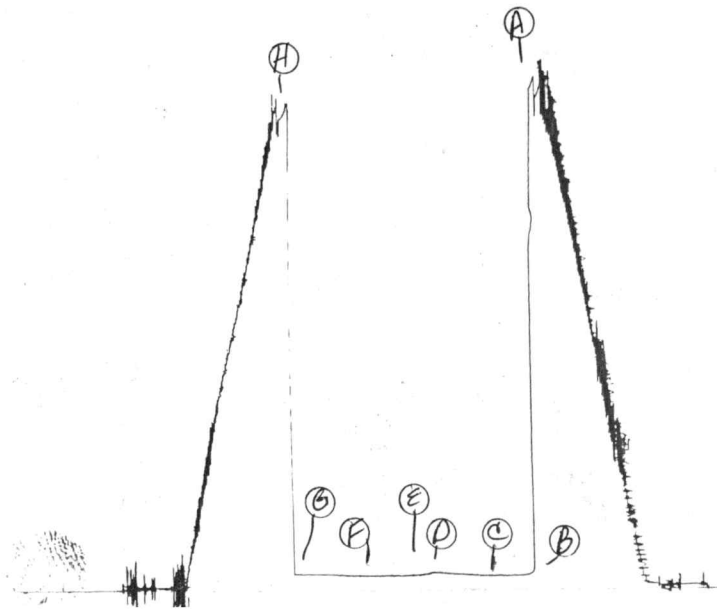
### Final Shut-In

Breakdown: 18 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>95</u> | <u>0</u>      | <u>80</u> | <u>0</u>      | <u>89</u> | <u>0</u>      | <u>82</u> |
| P 2 <u>5</u>  | <u>84</u> | <u>3</u>      | <u>80</u> | <u>5</u>      | <u>87</u> | <u>3</u>      | <u>82</u> |
| P 3 <u>10</u> | <u>80</u> | <u>6</u>      | <u>81</u> | <u>10</u>     | <u>84</u> | <u>6</u>      | <u>82</u> |
| P 4 <u>15</u> | <u>  </u> | <u>9</u>      | <u>82</u> | <u>15</u>     | <u>82</u> | <u>9</u>      | <u>83</u> |
| P 5 <u>20</u> | <u>  </u> | <u>12</u>     | <u>83</u> | <u>20</u>     | <u>  </u> | <u>12</u>     | <u>84</u> |
| P 6 <u>25</u> | <u>  </u> | <u>15</u>     | <u>84</u> | <u>25</u>     | <u>  </u> | <u>15</u>     | <u>84</u> |
| P 7 <u>30</u> | <u>80</u> | <u>18</u>     | <u>85</u> | <u>30</u>     | <u>82</u> | <u>18</u>     | <u>85</u> |
| P 8 <u>35</u> | <u>  </u> | <u>21</u>     | <u>87</u> | <u>35</u>     | <u>  </u> | <u>21</u>     | <u>86</u> |
| P 9 <u>40</u> | <u>  </u> | <u>24</u>     | <u>89</u> | <u>40</u>     | <u>  </u> | <u>24</u>     | <u>87</u> |
| P10 <u>45</u> | <u>  </u> | <u>27</u>     | <u>90</u> | <u>45</u>     | <u>82</u> | <u>27</u>     | <u>89</u> |
| P11 <u>50</u> | <u>  </u> | <u>30</u>     | <u>91</u> | <u>50</u>     | <u>  </u> | <u>30</u>     | <u>91</u> |
| P12 <u>55</u> | <u>  </u> | <u>33</u>     | <u>93</u> | <u>55</u>     | <u>  </u> | <u>33</u>     | <u>91</u> |
| P13 <u>60</u> | <u>  </u> | <u>36</u>     | <u>95</u> | <u>60</u>     | <u>  </u> | <u>36</u>     | <u>92</u> |
| P14 <u>  </u> | <u>  </u> | <u>39</u>     | <u>97</u> | <u>65</u>     | <u>  </u> | <u>39</u>     | <u>92</u> |
| P15 <u>  </u> | <u>  </u> | <u>42</u>     | <u>98</u> | <u>70</u>     | <u>  </u> | <u>42</u>     | <u>92</u> |
| P16 <u>  </u> | <u>  </u> | <u>45</u>     | <u>99</u> | <u>75</u>     | <u>  </u> | <u>45</u>     | <u>93</u> |
| P17 <u>  </u> | <u>  </u> | <u>48</u>     | <u>  </u> | <u>80</u>     | <u>  </u> | <u>48</u>     | <u>  </u> |
| P18 <u>  </u> | <u>  </u> | <u>51</u>     | <u>  </u> | <u>85</u>     | <u>  </u> | <u>51</u>     | <u>  </u> |
| P19 <u>  </u> | <u>  </u> | <u>54</u>     | <u>  </u> | <u>90</u>     | <u>  </u> | <u>54</u>     | <u>93</u> |
| P20 <u>  </u> | <u>  </u> | <u>57</u>     | <u>  </u> | <u>  </u>     | <u>  </u> | <u>57</u>     | <u>  </u> |
|               |           | <u>60</u>     | <u>  </u> |               |           | <u>60</u>     | <u>  </u> |

SKT # 7609

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Company K. & E. Petroleum Corporation Lease & Well No. Parkin #10  
 Elevation 2205 Kelly Bushing Location Mississippi Effective Pay - Ft. Ticket No. 7609  
 Date 9/23/80 Sec. 10 Twp. 30S Range 18W County Kiowa State Kansas  
 Test Approved by Charles R. Schmalz Western Representative Jim Wondra  
 Formation Test No. 1 Interval Tested from 4971 ft. to 5002 ft. Total Depth 5002 ft.  
 Packer Depth 4966 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4971 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4992 ft. Recorder Number 2607 Cap. 4150  
 Bottom Recorder Depth (Outside) 4995 ft. Recorder Number 3351 Cap. 4000  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
 Drilling Contractor Abercrombie Drlg. Rig #11 Drill Collar Length 60 I. D. 2 1/4 in.  
 Mud Type Lig-driscap Viscosity 69 Weight Pipe Length 633 I. D. 2.7 in.  
 Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 4267 I. D. 3.8 in.  
 Chlorides 19,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 31 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: Fair blow throughout test.

Recovered 65 ft. of drilling mud

Recovered     ft. of    

Recovered     ft. of    

Recovered     ft. of    

Recovered     ft. of    

Remarks:    

Time Set Packer(s) 12:40 ~~A.M.~~ P.M. Time Started Off Bottom 3:40 ~~A.M.~~ P.M. Maximum Temperature 119°  
 Initial Hydrostatic Pressure     (A) 2674 P.S.I.  
 Initial Flow Period     Minutes 30 (B) 95 P.S.I. to (C) 80 P.S.I.  
 Initial Closed In Period     Minutes 45 (D) 99 P.S.I.  
 Final Flow Period     Minutes 45 (E) 89 P.S.I. to (F) 82 P.S.I.  
 Final Closed In Period     Minutes 54 (G) 93 P.S.I.  
 Final Hydrostatic Pressure     (H) 2616 P.S.I.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 9-23-80 Test Ticket No. 7609  
Recorder No. 2607 Capacity 4150 Location 4992 Ft.  
Clock No. ----- Elevation 2205 Kelly Bushing Well Temperature 119 °F

| Point                          | Pressure    |                            | Time Given | Time Computed |
|--------------------------------|-------------|----------------------------|------------|---------------|
| A Initial Hydrostatic Mud      | 2674 P.S.I. | Open Tool                  | 12:40 P M  |               |
| B First Initial Flow Pressure  | 95 P.S.I.   | First Flow Pressure        | 30 Mins.   | 30 Mins.      |
| C First Final Flow Pressure    | 80 P.S.I.   | Initial Closed-in Pressure | 45 Mins.   | 45 Mins.      |
| D Initial Closed-in Pressure   | 99 P.S.I.   | Second Flow Pressure       | 45 Mins.   | 45 Mins.      |
| E Second Initial Flow Pressure | 89 P.S.I.   | Final Closed-in Pressure   | 60 Mins.   | 54 Mins.      |
| F Second Final Flow Pressure   | 82 P.S.I.   |                            |            |               |
| G Final Closed-in Pressure     | 93 P.S.I.   |                            |            |               |
| H Final Hydrostatic Mud        | 2616 P.S.I. |                            |            |               |

## PRESSURE BREAKDOWN

| First Flow Pressure         |           | Initial Shut-In             |           | Second Flow Pressure        |           | Final Shut-In               |           |
|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|
| Breakdown: <u>6</u> Inc.    |           | Breakdown: <u>15</u> Inc.   |           | Breakdown: <u>9</u> Inc.    |           | Breakdown: <u>18</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>95</u> | <u>0</u>                    | <u>80</u> | <u>0</u>                    | <u>89</u> | <u>0</u>                    | <u>82</u> |
| P 2 <u>5</u>                | <u>84</u> | <u>3</u>                    | <u>80</u> | <u>5</u>                    | <u>87</u> | <u>3</u>                    | <u>82</u> |
| P 3 <u>10</u>               | <u>80</u> | <u>6</u>                    | <u>81</u> | <u>10</u>                   | <u>84</u> | <u>6</u>                    | <u>82</u> |
| P 4 <u>15</u>               | <u>80</u> | <u>9</u>                    | <u>82</u> | <u>15</u>                   | <u>82</u> | <u>9</u>                    | <u>83</u> |
| P 5 <u>20</u>               | <u>80</u> | <u>12</u>                   | <u>83</u> | <u>20</u>                   | <u>82</u> | <u>12</u>                   | <u>84</u> |
| P 6 <u>25</u>               | <u>80</u> | <u>15</u>                   | <u>84</u> | <u>25</u>                   | <u>82</u> | <u>15</u>                   | <u>84</u> |
| P 7 <u>30</u>               | <u>80</u> | <u>18</u>                   | <u>85</u> | <u>30</u>                   | <u>82</u> | <u>18</u>                   | <u>85</u> |
| P 8 _____                   |           | <u>21</u>                   | <u>87</u> | <u>35</u>                   | <u>82</u> | <u>21</u>                   | <u>86</u> |
| P 9 _____                   |           | <u>24</u>                   | <u>89</u> | <u>40</u>                   | <u>82</u> | <u>24</u>                   | <u>87</u> |
| P10 _____                   |           | <u>27</u>                   | <u>90</u> | <u>45</u>                   | <u>82</u> | <u>27</u>                   | <u>89</u> |
| P11 _____                   |           | <u>30</u>                   | <u>91</u> |                             |           | <u>30</u>                   | <u>91</u> |
| P12 _____                   |           | <u>33</u>                   | <u>93</u> |                             |           | <u>33</u>                   | <u>91</u> |
| P13 _____                   |           | <u>36</u>                   | <u>95</u> |                             |           | <u>36</u>                   | <u>92</u> |
| P14 _____                   |           | <u>39</u>                   | <u>97</u> |                             |           | <u>39</u>                   | <u>92</u> |
| P15 _____                   |           | <u>42</u>                   | <u>98</u> |                             |           | <u>42</u>                   | <u>92</u> |
| P16 _____                   |           | <u>45</u>                   | <u>99</u> |                             |           | <u>45</u>                   | <u>93</u> |
| P17 _____                   |           |                             |           |                             |           | <u>48</u>                   | <u>93</u> |
| P18 _____                   |           |                             |           |                             |           | <u>51</u>                   | <u>93</u> |
| P19 _____                   |           |                             |           |                             |           | <u>54</u>                   | <u>93</u> |
| P20 _____                   |           |                             |           |                             |           |                             |           |





## WESTERN TESTING CO., INC.

## FORMATION TESTING

TICKET NO.

7610

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

2205 K.B.

Formation

Mississippi

Eff. Pay - Ft.

District

Pratt

Date

9/24/80

Customer Order No. -

COMPANY NAME

K &amp; E Petroleum Inc

ADDRESS

816 Union Center Bldg, Wichita, Ks, 67202

LEASE AND WELL NO.

Parkin #10

COUNTY

Kiowa

STATE

Ks

Sec.

10

Twp.

30S 18W

Mail Invoice To

Same

No. Copies Requested

5

Mail Charts To

Same

Address

No. Copies Requested

7

Formation Test No.

2

Interval Tested from

4997

ft. to

5009

ft.

Total Depth

5009

ft.

Packer Depth

4992

ft.

Size

4 3/4 in.

Packer Depth

-

ft.

Size

-

in.

Packer Depth

4997

ft.

Size

6 3/4 in.

Packer Depth

-

ft.

Size

-

in.

Depth of Selective Zone Set

-

Top Recorder Depth (Inside)

4999

ft.

Recorder Number

2607

Cap.

4150

Bottom Recorder Depth (Outside)

5002

ft.

Recorder Number

3351

Cap.

4000

Below Straddle Recorder Depth

-

ft.

Recorder Number

-

Cap.

-

Drilling Contractor

Abercrombie Dalg Rig #11

Drill Collar Length

60

I. D.

2 1/2

in.

Mud Type

Lg. Drispac

Viscosity

69

Weight Pipe Length

633

I. D.

2.7

in.

Weight

9.6

Water Loss

12.8

cc.

Drill Pipe Length

4283

I. D.

3.8

in.

Chlorides

19,000

P.P.M.

Test Tool Length

21

ft.

Tool Size

5500

in.

Jars: Make

-

Serial Number

-

Anchor Length

12 1/4

ft.

Size

5500

in.

Did Well Flow?

No

Reversed Out

No

Surface Choke Size

3/4

in.

Bottom Choke Size

3/4

in.

Main Hole Size

7 1/8

in.

Tool Joint Size

4 1/2 FH

in.

Blow: -

Recovered - ft. of

Recovered - ft. of

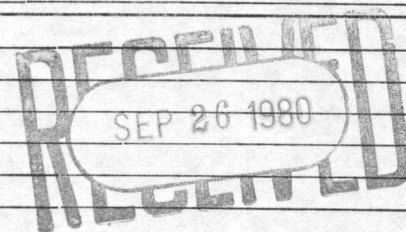
Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Remarks:

Packer Failure



Time On Location

2:30

A.M.

Time Pick Up Tool

4:00

A.M.

Time Off Location

Stayed on Loc

A.M.

Time Set Packer(s)

-

A.M.

Time Started Off Bottom

-

A.M.

Maximum Temperature

-

Initial Hydrostatic Pressure

(A)

2691

P.S.I.

Initial Flow Period

Minutes

(B)

-

P.S.I. to (C)

-

P.S.I.

Initial Closed In Period

Minutes

(D)

-

P.S.I.

Final Flow Period

Minutes

(E)

-

P.S.I. to (F)

-

P.S.I.

Final Closed In Period

Minutes

(G)

-

P.S.I.

Final Hydrostatic Pressure

(H)

2683

P.S.I.

## COMPANY TERMS

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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 of Customer or his authorized representative

Western Representative

## FIELD INVOICE

Open Hole Test

\$ 300.00

Misrun

\$ 300.00

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$ 30.00

Mileage

\$ N.C.

Fluid Sampler

\$

Extra Charts

\$ 10.00

Insurance

\$

TOTAL

\$ 340.00

SLT # 7610

I



Company K. & E. Petroleum, Inc. Lease & Well No. Parkin #10  
Elevation 2205 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticket No. 7610  
Date 9/24/80 Sec. 10 Twp. 30S Range 18W County Kiowa State Kansas  
Test Approved by Charles R. Schmalz Western Representative Jim Wondar

Formation Test No. 2 Interval Tested from 4997 ft. to 5009 ft. Total Depth 5009 ft.  
Packer Depth 4992 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
Packer Depth 4997 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
Top Recorder Depth (Inside) 4999 ft. Recorder Number 2607 Cap. 4150  
Bottom Recorder Depth (Outside) 5002 ft. Recorder Number 3351 Cap. 4000  
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
Drilling Contractor Abercrombie Drlg. Rig #11 Drill Collar Length 60 I. D. 2 1/4 in.  
Mud Type lig-driscopac Viscosity 69 Weight Pipe Length 633 I. D. 2.7 in.  
Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 4283 I. D. 3.8 in.  
Chlorides 19,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
Jars: Make - Serial Number - Anchor Length 12 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: --  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of PACKER FAILURE  
Recovered          ft. of           
Remarks: MISRUN

Time Set Packer(s)          A.M. P.M. Time Started Off Bottom          A.M. P.M. Maximum Temperature           
Initial Hydrostatic Pressure          (A) 2691 P.S.I.  
Initial Flow Period          Minutes (B) -- P.S.I. to (C) -- P.S.I.  
Initial Closed In Period          Minutes (D) -- P.S.I.  
Final Flow Period          Minutes (E) -- P.S.I. to (F) -- P.S.I.  
Final Closed In Period          Minutes (G) -- P.S.I.  
Final Hydrostatic Pressure          (H) 2683 P.S.I.





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

# WESTERN TESTING CO., INC.

## FORMATION TESTING

TICKET No 7611

Elevation 2205 H.B Formation Mississippi Eff. Pay - Ft.

COMPANY NAME K+E Petroleum Inc District Pratt Date 9/24/80 Customer Order No. -

ADDRESS 816 Union Center Bldg, Wichita, Ks 67202

LEASE AND WELL NO. Parkin #10 COUNTY Nowa STATE Ks Sec. 10 Twp. 30 Rge. 18

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

Mail Charts To Same Address Same No. Copies Requested 7

Formation Test No. 3 Interval Tested from 4959 ft. to 5009 ft. Total Depth 5009 ft.

Packer Depth 4954 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4959 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4967 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4970 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Abercrombie Drilling Rig #11 Drill Collar Length 60 I. D. 2 1/2 in.

Mud Type Lig-Drispac Viscosity 73 Weight Pipe Length 633 I. D. 2 1/2 in.

Weight 9.8 Water Loss 16.0 cc. Drill Pipe Length 4245 I. D. 3 1/2 in.

Chlorides 24,000 P.P.M. Test Tool Length 21 ft. Tool Size 5500 in.

Jars: Make - Serial Number - Anchor Length 50 ft. Size 5500 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 in.

Blow: Strong blow throughout flow periods lost.

Gas to surface in 9 min on preflow. See attached sheet for gas measurement

Recovered 210 ft. of Gas Cut Mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time On Location On Loc A.M. P.M. Time Pick Up Tool 9:00 A.M. P.M. Time Off Location 5:00 A.M. P.M.

Time Set Packer(s) 10:35 A.M. P.M. Time Started Off Bottom 2:20 A.M. P.M. Maximum Temperature 120°

Initial Hydrostatic Pressure 2689 P.S.I. (A) 2689 P.S.I.

Initial Flow Period 30 Minutes (B) 116 P.S.I. to (C) 116 P.S.I.

Initial Closed In Period 45 Minutes (D) 1018 P.S.I.

Final Flow Period 90 Minutes (E) 95 P.S.I. to (F) 116 P.S.I.

Final Closed In Period 60 Minutes (G) 914 P.S.I.

Final Hydrostatic Pressure 2668 P.S.I. (H) 2668 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 Chas R Schmale Signature of Customer or his authorized representative

Western Representative Jim Wonda Thank You

### FIELD INVOICE

Open Hole Test \$ 4650.00  
Misrun \$ -  
Straddle Test \$ -  
Jars \$ -  
Selective Zone \$ -  
Safety Joint \$ -  
Standby \$ -  
Evaluation \$ -  
Extra Packer \$ -  
Circ. Sub. \$ N.C.  
Mileage \$ 10.00  
Fluid Sampler \$ -  
Extra Charts \$ -  
Insurance \$ -  
TOTAL \$ 4660.00



## GAS FLOW REPORT

Nº 1708

Date 9/24/80 Ticket #4611 Company K+E Petroleum Inc  
 Well Name and No. Parkin #10 Dst No. 3 Interval Tested 4959-5009  
 County Kiowa State Ks Sec. 10 Twp. 30 Rg. 18

| 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                        |
|--------------------|-------------------------------------|-----------------|------------------------|------------------------------|--------------------------------------------|
| <b>PRE FLOW</b>    |                                     |                 |                        |                              |                                            |
| 15                 | 16 H <sub>2</sub> O                 | 1"              |                        |                              | Gas to surface in 9 min Cubic Foot Per Day |
| 20                 | "                                   | "               |                        |                              | 103,000 C.F.P.D                            |
| 30                 | "                                   | "               |                        |                              | " " OK                                     |
|                    |                                     |                 |                        |                              |                                            |
|                    |                                     |                 |                        |                              |                                            |
|                    |                                     |                 |                        |                              |                                            |
|                    |                                     |                 |                        |                              |                                            |
|                    |                                     |                 |                        |                              |                                            |
|                    |                                     |                 |                        |                              |                                            |

## SECOND FLOW

|                    |                     |    |  |  |                 |
|--------------------|---------------------|----|--|--|-----------------|
| <b>SECOND FLOW</b> |                     |    |  |  |                 |
| 5                  | 34 H <sub>2</sub> O | 1" |  |  | 151,000 C.F.P.D |
| 10                 | 24 "                | "  |  |  | 126,000 "       |
| 20                 | 17 "                | "  |  |  | 106,000 "       |
| 30                 | 16 "                | "  |  |  | 103,000 "       |
| 40                 | 11 "                | "  |  |  | " "             |
| 50                 | 14 "                | "  |  |  | 97,300 "        |
| 60                 | 11 "                | "  |  |  | " "             |
| 70                 | 13 "                | "  |  |  | 93,600 "        |
| 80                 | 11 "                | "  |  |  | " "             |
| 90                 | 12 "                | "  |  |  | 89,800 " OK     |
|                    |                     |    |  |  |                 |
|                    |                     |    |  |  |                 |
|                    |                     |    |  |  |                 |
|                    |                     |    |  |  |                 |

## 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

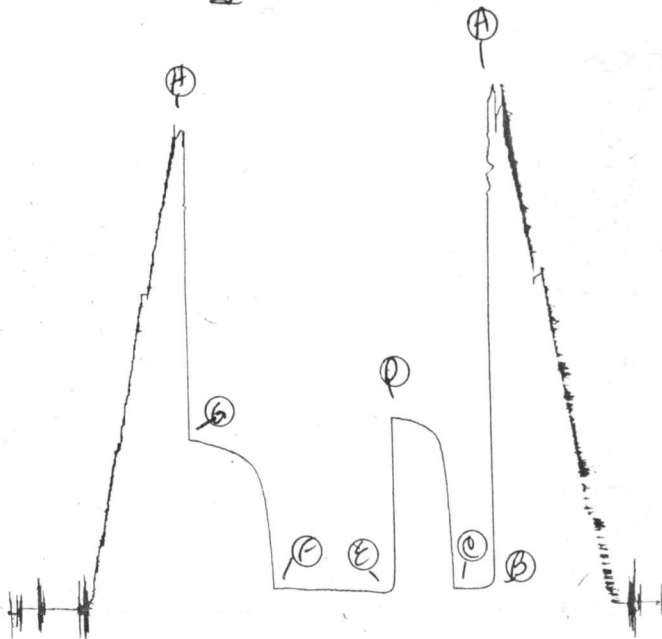
Date 9-24-80 Test Ticket No. 7611  
 Recorder No. 2607 Capacity 4150 Location 4967 Ft.  
 Clock No.                      Elevation 2205 KB Well Temperature 120 °F  
 Point Pressure Time Given Time Computed  
 A Initial Hydrostatic Mud 2725 P.S.I. Open Tool 10:35 AM  
 B First Initial Flow Pressure 135 P.S.I. First Flow Pressure 30 Mins. 30 Mins.  
 C First Final Flow Pressure 121 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.  
 D Initial Closed-in Pressure 1038 P.S.I. Second Flow Pressure 90 ~~60~~ Mins. 90 Mins.  
 E Second Initial Flow Pressure 112 P.S.I. Final Closed-in Pressure 60 ~~90~~ Mins. 60 Mins.  
 F Second Final Flow Pressure 129 P.S.I.  
 G Final Closed-in Pressure 925 P.S.I.  
 H Final Hydrostatic Mud 2588 P.S.I.

## PRESSURE BREAKDOWN

| First Flow Pressure         |           | Initial Shut-In             |           | Second Flow Pressure        |           | Final Shut-In               |           |            |
|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|------------|
| Breakdown: <u>6</u> Inc.    |           | Breakdown: <u>15</u> Inc.   |           | Breakdown: <u>18</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>135</u>                  | <u>0</u>  | <u>121</u>                  | <u>0</u>  | <u>112</u>                  | <u>0</u>  | <u>129</u> |
| P 2                         | <u>5</u>  | <u>127</u>                  | <u>3</u>  | <u>554</u>                  | <u>5</u>  | <u>101</u>                  | <u>3</u>  | <u>460</u> |
| P 3                         | <u>10</u> | <u>122</u>                  | <u>6</u>  | <u>752</u>                  | <u>10</u> | <u>101</u>                  | <u>6</u>  | <u>623</u> |
| P 4                         | <u>15</u> | <u>121</u>                  | <u>9</u>  | <u>870</u>                  | <u>15</u> | <u>106</u>                  | <u>9</u>  | <u>708</u> |
| P 5                         | <u>20</u> | <u>121</u>                  | <u>12</u> | <u>927</u>                  | <u>20</u> | <u>112</u>                  | <u>12</u> | <u>754</u> |
| P 6                         | <u>25</u> | <u>121</u>                  | <u>15</u> | <u>954</u>                  | <u>25</u> | <u>112</u>                  | <u>15</u> | <u>789</u> |
| P 7                         | <u>30</u> | <u>121</u>                  | <u>18</u> | <u>975</u>                  | <u>30</u> | <u>113</u>                  | <u>18</u> | <u>810</u> |
| P 8                         | <u>35</u> |                             | <u>21</u> | <u>990</u>                  | <u>35</u> | <u>116</u>                  | <u>21</u> | <u>827</u> |
| P 9                         | <u>40</u> |                             | <u>24</u> | <u>1000</u>                 | <u>40</u> | <u>116</u>                  | <u>24</u> | <u>841</u> |
| P10                         | <u>45</u> |                             | <u>27</u> | <u>1010</u>                 | <u>45</u> | <u>118</u>                  | <u>27</u> | <u>852</u> |
| P11                         | <u>50</u> |                             | <u>30</u> | <u>1019</u>                 | <u>50</u> | <u>121</u>                  | <u>30</u> | <u>864</u> |
| P12                         | <u>55</u> |                             | <u>33</u> | <u>1023</u>                 | <u>55</u> | <u>121</u>                  | <u>33</u> | <u>870</u> |
| P13                         | <u>60</u> |                             | <u>36</u> | <u>1027</u>                 | <u>60</u> | <u>121</u>                  | <u>36</u> | <u>879</u> |
| P14                         |           |                             | <u>39</u> | <u>1033</u>                 | <u>65</u> | <u>121</u>                  | <u>39</u> | <u>887</u> |
| P15                         |           |                             | <u>42</u> | <u>1037</u>                 | <u>70</u> | <u>125</u>                  | <u>42</u> | <u>891</u> |
| P16                         |           |                             | <u>45</u> | <u>1038</u>                 | <u>75</u> | <u>129</u>                  | <u>45</u> | <u>900</u> |
| P17                         |           |                             | <u>48</u> |                             | <u>80</u> | <u>129</u>                  | <u>48</u> | <u>904</u> |
| P18                         |           |                             | <u>51</u> |                             | <u>85</u> | <u>129</u>                  | <u>51</u> | <u>910</u> |
| P19                         |           |                             | <u>54</u> |                             | <u>90</u> | <u>129</u>                  | <u>54</u> | <u>918</u> |
| P20                         |           |                             | <u>57</u> |                             |           |                             | <u>57</u> | <u>923</u> |
|                             |           |                             | <u>60</u> |                             |           |                             | <u>60</u> | <u>925</u> |

JKT #9611

I





Company K. & E. Petroleum, Inc. Lease & Well No. Parkin #10  
 Elevation 2205 Kelly Bushing Formation Mississippi Effective Pay --- Ft. Ticket No. 7611  
 Date 9/24/80 Sec. 10 Twp 30S Range 18W County Kiowa State Kansas  
 Test Approved by Charles R. Schmalz Western Representative Jim Wondra  
 Formation Test No. 3 Interval Tested from 4959 ft. to 5009 ft. Total Depth 5009 ft.  
 Packer Depth 4954 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4959 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4967 ft. Recorder Number 2607 Cap. 4150  
 Bottom Recorder Depth (Outside) 4970 ft. Recorder Number 3351 Cap. 4000  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
 Drilling Contractor Abercrombie Drlg. Rig #11 Drill Collar Length 60 I. D. 2 1/4 in.  
 Mud Type Lig-driscap Viscosity 73 Weight Pipe Length 633 I. D. 2.7 in.  
 Weight 9.8 Water Loss 16.0 cc. Drill Pipe Length 4245 I. D. 3.8 in.  
 Chlorides 24,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 50 ft. Size 5 1/2 in.  
 Did Well Flow? Yes 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. Gas to surface in nine minutes on pre-flow. See attached sheet for gas measurements.

Recovered 210 ft. of gas cut mud

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Remarks:       

Time Set Packer(s) 10:35 A.M. Time Started Off Bottom 2:20 A.M. Maximum Temperature 120°  
 Initial Hydrostatic Pressure 2725 P.S.I.  
 Initial Flow Period 30 Minutes (B) 135 P.S.I. to (C) 121 P.S.I.  
 Initial Closed In Period 45 Minutes (D) 1038 P.S.I.  
 Final Flow Period 90 Minutes (E) 112 P.S.I. to (F) 129 P.S.I.  
 Final Closed In Period 60 Minutes (G) 925 P.S.I.  
 Final Hydrostatic Pressure 2588 P.S.I. (H)



## GAS FLOW REPORT

Date 9/24/80 Ticket 7611 Company K. & E. Petroleum, Inc.  
 Well Name and No. Parking #10 Dst No. 3 Interval Tested 4959'-5009'  
 County Kiowa State Kansas Sec. 10 Twp. 30S Rg. 18W

| 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 |
|-------------------------------------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| Gas to surface in nine minutes. <b>PRE FLOW</b> |                    |                                     |                        |                              |                         |                     |
|                                                 | 15 min.            | 16" of water                        |                        | 1" orifice                   |                         | 103,000 CFPD        |
|                                                 | 20 min.            | 16" of water                        |                        | 1" orifice                   |                         | 103,000 CFPD        |
|                                                 | 30 min.            | 16" of water                        |                        | 1" orifice                   |                         | 103,000 CFPD        |
|                                                 |                    |                                     |                        |                              |                         |                     |
|                                                 |                    |                                     |                        |                              |                         |                     |

### SECOND FLOW

|  |         |              |  |            |  |              |
|--|---------|--------------|--|------------|--|--------------|
|  | 5 min.  | 34" of water |  | 1" orifice |  | 151,000 CFPD |
|  | 10 min. | 24" of water |  | 1" orifice |  | 126,000 CFPD |
|  | 20 min. | 17" of water |  | 1" orifice |  | 106,000 CFPD |
|  | 30 min. | 16" of water |  | 1" orifice |  | 103,000 CFPD |
|  | 40 min. | 16" of water |  | 1" orifice |  | 103,000 CFPD |
|  | 50 min. | 14" of water |  | 1" orifice |  | 97,300 CFPD  |
|  | 60 min. | 14" of water |  | 1" orifice |  | 97,300 CFPD  |
|  | 70 min. | 13" of water |  | 1" orifice |  | 93,600 CFPD  |
|  | 80 min. | 13" of water |  | 1" orifice |  | 93,600 CFPD  |
|  | 90 min. | 12" of water |  | 1" orifice |  | 89,800 CFPD  |
|  |         |              |  |            |  |              |
|  |         |              |  |            |  |              |

### GAS BOTTLE

Serial No. -- Date Bottle Filled --- Date to be Invoiced 9/24/80

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 K. & E. Petroleum, Inc.  
 Authorized by Chas. R. Schmalz

# WESTERN TESTING CO., INC.

## Pressure Data

Date 9-24-80 Test Ticket No. 7611  
 Recorder No. 2607 Capacity 4150 Location 4967 Ft.  
 Clock No. ----- Elevation 2205 Kelly Bushing Well Temperature 120 °F

| Point                          | Pressure           |                            | Time Given       | Time Computed   |
|--------------------------------|--------------------|----------------------------|------------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2725</u> P.S.I. | Open Tool                  | <u>10:35 A M</u> |                 |
| B First Initial Flow Pressure  | <u>135</u> P.S.I.  | First Flow Pressure        | <u>30 Mins.</u>  | <u>30 Mins.</u> |
| C First Final Flow Pressure    | <u>121</u> P.S.I.  | Initial Closed-in Pressure | <u>45 Mins.</u>  | <u>45 Mins.</u> |
| D Initial Closed-in Pressure   | <u>1038</u> P.S.I. | Second Flow Pressure       | <u>90 Mins.</u>  | <u>90 Mins.</u> |
| E Second Initial Flow Pressure | <u>112</u> P.S.I.  | Final Closed-in Pressure   | <u>60 Mins.</u>  | <u>60 Mins.</u> |
| F Second Final Flow Pressure   | <u>129</u> P.S.I.  |                            |                  |                 |
| G Final Closed-in Pressure     | <u>925</u> P.S.I.  |                            |                  |                 |
| H Final Hydrostatic Mud        | <u>2588</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>15</u> Inc.   |             | Breakdown: <u>18</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>135</u> | <u>0</u>                    | <u>121</u>  | <u>0</u>                    | <u>112</u> | <u>0</u>                    | <u>129</u> |
| P 2 <u>5</u>                | <u>127</u> | <u>3</u>                    | <u>554</u>  | <u>5</u>                    | <u>101</u> | <u>3</u>                    | <u>460</u> |
| P 3 <u>10</u>               | <u>122</u> | <u>6</u>                    | <u>752</u>  | <u>10</u>                   | <u>101</u> | <u>6</u>                    | <u>623</u> |
| P 4 <u>15</u>               | <u>121</u> | <u>9</u>                    | <u>870</u>  | <u>15</u>                   | <u>106</u> | <u>9</u>                    | <u>708</u> |
| P 5 <u>20</u>               | <u>121</u> | <u>12</u>                   | <u>927</u>  | <u>20</u>                   | <u>112</u> | <u>12</u>                   | <u>754</u> |
| P 6 <u>25</u>               | <u>121</u> | <u>15</u>                   | <u>954</u>  | <u>25</u>                   | <u>112</u> | <u>15</u>                   | <u>789</u> |
| P 7 <u>30</u>               | <u>121</u> | <u>18</u>                   | <u>975</u>  | <u>30</u>                   | <u>113</u> | <u>18</u>                   | <u>810</u> |
| P 8                         |            | <u>21</u>                   | <u>990</u>  | <u>35</u>                   | <u>116</u> | <u>21</u>                   | <u>827</u> |
| P 9                         |            | <u>24</u>                   | <u>1000</u> | <u>40</u>                   | <u>116</u> | <u>24</u>                   | <u>841</u> |
| P10                         |            | <u>27</u>                   | <u>1010</u> | <u>45</u>                   | <u>118</u> | <u>27</u>                   | <u>852</u> |
| P11                         |            | <u>30</u>                   | <u>1019</u> | <u>50</u>                   | <u>121</u> | <u>30</u>                   | <u>864</u> |
| P12                         |            | <u>33</u>                   | <u>1023</u> | <u>55</u>                   | <u>121</u> | <u>33</u>                   | <u>870</u> |
| P13                         |            | <u>36</u>                   | <u>1027</u> | <u>60</u>                   | <u>121</u> | <u>36</u>                   | <u>879</u> |
| P14                         |            | <u>39</u>                   | <u>1033</u> | <u>65</u>                   | <u>121</u> | <u>39</u>                   | <u>887</u> |
| P15                         |            | <u>42</u>                   | <u>1037</u> | <u>70</u>                   | <u>125</u> | <u>42</u>                   | <u>891</u> |
| P16                         |            | <u>45</u>                   | <u>1038</u> | <u>75</u>                   | <u>129</u> | <u>45</u>                   | <u>900</u> |
| P17                         |            |                             |             | <u>80</u>                   | <u>129</u> | <u>48</u>                   | <u>904</u> |
| P18                         |            |                             |             | <u>85</u>                   | <u>129</u> | <u>51</u>                   | <u>910</u> |
| P19                         |            |                             |             | <u>90</u>                   | <u>129</u> | <u>54</u>                   | <u>918</u> |
| P20                         |            |                             |             |                             |            | <u>57</u>                   | <u>923</u> |
|                             |            |                             |             |                             |            | <u>60</u>                   | <u>925</u> |



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No

7612

Elevation

2205 N.B

Formation

Mississippi

Eff. Pay - Ft.

District

Pratt

Date

9/25/80

Customer Order No.

COMPANY NAME

N+E Petroleum Inc

ADDRESS

816 Union Center Bldg, Wichita, KS 67202

LEASE AND WELL NO.

Parkin #10

COUNTY

Nowa

STATE

Ks

Sec.

10

Twp.

30S

Rge.

18W

Mail Invoice To

Same

No. Copies Requested

5

Mail Charts To

Same

Address

No. Copies Requested

7

Address

Formation Test No.

4

Interval

Tested from 4957

ft. to 5014

ft.

Total Depth

5014

ft.

Packer Depth

4952

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Packer Depth

4957

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4971

ft.

Recorder Number

2607

Cap.

4150

Bottom Recorder Depth (Outside)

4974

ft.

Recorder Number

3351

Cap.

4000

Below Straddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

Abercrombie Drilling Rig #11

Drill Collar Length

60

I. D.

2 1/2 in.

Mud Type

Lig-Dripac

Viscosity

73

Weight Pipe Length

633

I. D.

2 1/2 in.

Weight

9.8

Water Loss

16.0

cc.

Drill Pipe Length

4243

I. D.

3.8 in.

Chlorides

24,000

P.P.M.

Test Tool Length

21

ft.

Tool Size

5500

in.

Jars: Make

Serial Number

Anchor Length

57

ft.

Size

5500

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 FH

in.

Blow:

Strong blow throughout flow periods test.

Gas to surface in 7 min on preflow. Detached

Recovered

320 ft. of Gas Cut Mud

Recovered

ft. of

Recovered

ft. of

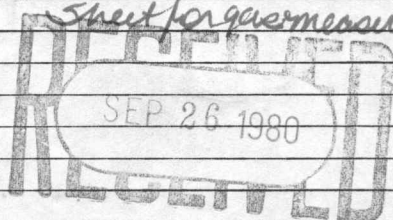
Recovered

ft. of

Recovered

ft. of

Remarks:



Time On Location

12:30

A.M.

Time Pick Up Tool

1:30

A.M.

Time Off Location

10:00

A.M.

Time Set Packer(s)

3:20

A.M.

Time Started Off Bottom

7:05

A.M.

Maximum Temperature

120°

Initial Hydrostatic Pressure

(A)

2699

P.S.I.

Initial Flow Period

Minutes

30

(B)

126

P.S.I. to (C)

126

P.S.I.

Initial Closed In Period

Minutes

45

(D)

997

P.S.I.

Final Flow Period

Minutes

90

(E)

126

P.S.I. to (F)

137

P.S.I.

Final Closed In Period

Minutes

60

(G)

882

P.S.I.

Final Hydrostatic Pressure

(H)

2678

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 of Customer or his authorized representative

Western Representative

Chas Schmalz  
R. Schmalz  
Jim Wondra Thank You

#### FIELD INVOICE

Open Hole Test

\$ 1650.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

\$ N.C.

Fluid Sampler

\$ 10.00

Extra Charts

\$

Insurance

\$

TOTAL

\$ 660.00





## GAS FLOW REPORT

**Nº 1709**

Date 9/25/80 Ticket # 7612 Company R+E Petroleum Inc  
Well Name and No. Parkin #10 Dst No. 4 Interval Tested 4957-5014  
County Kiowa State Ks Sec. 10 Twp. 30 Rg. 18

[illegible]

## SECOND FLOW

[illegible]

## 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 9-25-80 Test Ticket No. 7612  
 Recorder No. 2607 Capacity 4150 Location 4971 Ft.  
 Clock No.            Elevation 2205 KB Well Temperature 120 °F

| Point                                     | Pressure | Time Given | Time Computed |
|-------------------------------------------|----------|------------|---------------|
| A Initial Hydrostatic Mud <u>2708</u>     | P.S.I.   | 3:20 AM    |               |
| B First Initial Flow Pressure <u>159</u>  | P.S.I.   | 30 Mins.   | 30 Mins.      |
| C First Final Flow Pressure <u>142</u>    | P.S.I.   | 45 Mins.   | 48 Mins.      |
| D Initial Closed-in Pressure <u>1017</u>  | P.S.I.   | 90 Mins.   | 90 Mins.      |
| E Second Initial Flow Pressure <u>169</u> | P.S.I.   | 60 Mins.   | 63 Mins.      |
| F Second Final Flow Pressure <u>146</u>   | P.S.I.   |            |               |
| G Final Closed-in Pressure <u>893</u>     | P.S.I.   |            |               |
| H Final Hydrostatic Mud <u>2496</u>       | P.S.I.   |            |               |

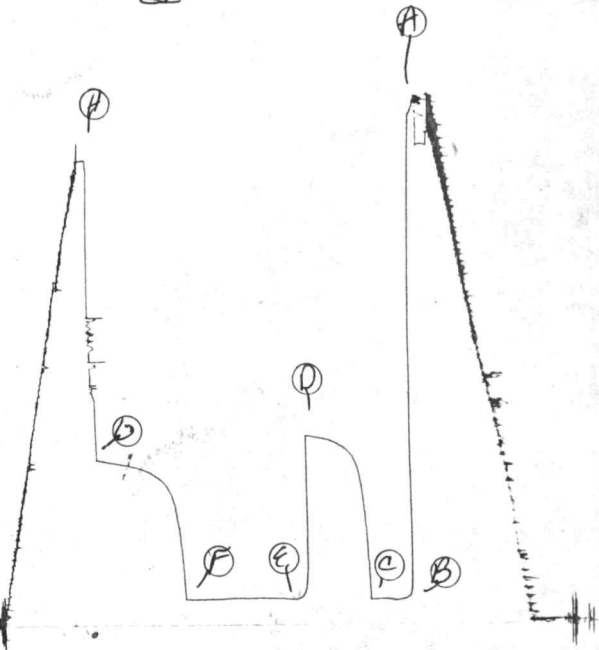
### PRESSURE BREAKDOWN

| First Flow Pressure         |        | Initial Shut-In             |        | Second Flow Pressure        |        | Final Shut-In               |        |
|-----------------------------|--------|-----------------------------|--------|-----------------------------|--------|-----------------------------|--------|
| Breakdown: <u>6</u> Inc.    |        | Breakdown: <u>16</u> Inc.   |        | Breakdown: <u>18</u> Inc.   |        | Breakdown: <u>21</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                       | 159    | 0                           | 142    | 0                           | 169    | 0                           | 146    |
| P 2 5                       | 144    | 3                           | 500    | 5                           | 148    | 3                           | 394    |
| P 3 10                      | 137    | 6                           | 723    | 10                          | 144    | 6                           | 550    |
| P 4 15                      | 140    | 9                           | 820    | 15                          | 146    | 9                           | 658    |
| P 5 20                      | 143    | 12                          | 889    | 20                          | 148    | 12                          | 718    |
| P 6 25                      | 142    | 15                          | 923    | 25                          | 150    | 15                          | 752    |
| P 7 30                      | 142    | 18                          | 941    | 30                          | 150    | 18                          | 781    |
| P 8 35                      |        | 21                          | 956    | 35                          | 150    | 21                          | 800    |
| P 9 40                      |        | 24                          | 971    | 40                          |        | 24                          | 812    |
| P 10 45                     |        | 27                          | 983    | 45                          |        | 27                          | 829    |
| P 11 50                     |        | 30                          | 994    | 50                          | 150    | 30                          | 835    |
| P 12 55                     |        | 33                          | 998    | 55                          | 150    | 33                          | 845    |
| P 13 60                     |        | 36                          | 1002   | 60                          | 147    | 36                          | 852    |
| P 14                        |        | 39                          | 1008   | 65                          | 146    | 39                          | 858    |
| P 15                        |        | 42                          | 1010   | 70                          |        | 42                          | 862    |
| P 16                        |        | 45                          | 1015   | 75                          |        | 45                          | 866    |
| P 17                        |        | 48                          | 1017   | 80                          |        | 48                          | 870    |
| P 18                        |        | 51                          |        | 85                          |        | 51                          | 875    |
| P 19                        |        | 54                          |        | 90                          | 146    | 54                          | 879    |
| P 20                        |        | 57                          |        |                             |        | 57                          | 883    |
|                             |        | 60                          |        |                             |        | 60                          | 889    |
|                             |        |                             |        |                             |        | 63                          | 893    |



SK # 7612

I



Company K. & E. Petroleum, Inc. Lease & Well No. Parkin #10  
 Elevation 2205 Kelly Bushing Mississippi Formation Effective Pay --- Ft. Ticket No. 7612  
 Date 9/25/80 Sec. 10 Twp. 30S Range 18W County Kiowa State Kansas  
 Test Approved by Chas. R. Schmalz Western Representative Jim Wondra  
 Formation Test No. 4 Interval Tested from 4957 ft. to 5014 ft. Total Depth 5014 ft.  
 Packer Depth 4952 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4957 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4971 ft. Recorder Number 2607 Cap. 4150  
 Bottom Recorder Depth (Outside) 4974 ft. Recorder Number 3351 Cap. 4000  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
 Drilling Contractor Abercrombie Drlg. Rig #11 Drill Collar Length 60 I. D. 2 1/4 in.  
 Mud Type Lig-driscopac Viscosity 73 Weight Pipe Length 633 I. D. 2.7 in.  
 Weight 9.8 Water Loss 16.0 cc. Drill Pipe Length 4243 I. D. 3.8 in.  
 Chlorides 24,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 57 ft. Size 5 1/2 OD in.  
 Did Well Flow? Yes 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. Gas to surface in seven minutes on pre-flow. See attached  
sheet for gas measurements.

Recovered 320 ft. of gas cut mud

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Recovered        ft. of       

Remarks:       

Time Set Packer(s) 3:20 A.M. P.M. Time Started Off Bottom 7:05 A.M. P.M. Maximum Temperature 120°  
 Initial Hydrostatic Pressure        (A) 2708 P.S.I.  
 Initial Flow Period        Minutes 30 (B) 159 P.S.I. to (C) 142 P.S.I.  
 Initial Closed In Period        Minutes 48 (D) 1017 P.S.I.  
 Final Flow Period        Minutes 90 (E) 169 P.S.I. to (F) 146 P.S.I.  
 Final Closed In Period        Minutes 63 (G) 893 P.S.I.  
 Final Hydrostatic Pressure        (H) 2496 P.S.I.

## GAS FLOW REPORT

Date 9/25/80 Ticket 7612 Company K. & E. Petroleum, Inc.  
 Well Name and No. Parkin #10 Dst No. 4 Interval Tested 4957'-5014'  
 County Kiowa State Kansas Sec. 10 Twp. 30S Rg. 18W

| 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 |
|----------------------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| <b>PRE FLOW</b>                  |                    |                                     |                        |                              |                         |                     |
| Gas to surface in seven minutes. |                    |                                     |                        |                              |                         |                     |
|                                  | 10 min.            | 20" of water                        |                        | 1" orifice                   |                         | 115,000 CFPD        |
|                                  | 20 min.            | 26" of water                        |                        | 1" orifice                   |                         | 132,000 CFPD        |
|                                  | 30 min.            | 26" of water                        |                        | 1" orifice                   |                         | 132,000 CFPD        |
|                                  |                    |                                     |                        |                              |                         |                     |
|                                  |                    |                                     |                        |                              |                         |                     |

|                    |         |              |  |             |  |              |
|--------------------|---------|--------------|--|-------------|--|--------------|
| <b>SECOND FLOW</b> |         |              |  |             |  |              |
|                    | 5 min.  | 34" of water |  | 1½" orifice |  | 256,000 CFPD |
|                    | 10 min. | 32" of water |  | 1½" orifice |  | 248,000 CFPD |
|                    | 20 min. | 26" of water |  | 1½" orifice |  | 224,000 CFPD |
|                    | 30 min. | 16" of water |  | 1½" orifice |  | 176,000 CFPD |
|                    | 40 min. | 14" of water |  | 1½" orifice |  | 164,000 CFPD |
|                    | 50 min. | 12" of water |  | 1½" orifice |  | 152,000 CFPD |
|                    | 60 min. | 12" of water |  | 1½" orifice |  | 152,000 CFPD |
|                    | 70 min. | 11" of water |  | 1½" orifice |  | 145,000 CFPD |
|                    | 80 min. | 10" of water |  | 1½" orifice |  | 138,000 CFPD |
|                    | 90 min. | 9" of water  |  | 1½" orifice |  | 132,000 CFPD |
|                    |         |              |  |             |  |              |
|                    |         |              |  |             |  |              |

### GAS BOTTLE

Serial No. -- Date Bottle Filled ---- Date to be Invoiced 9/25/80

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 K. & E. Petroleum, Inc.  
 Authorized by Chas. R. Schmalz

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

Date 9-25-80 Test Ticket No. 7612  
Recorder No. 2607 Capacity 4150 Location 4971 Ft.  
Clock No. ----- Elevation 2205 Kelly Bushing Well Temperature 120 °F

| Point                          | Pressure           |                            | Time Given      | Time Computed   |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2708</u> P.S.I. | Open Tool                  | <u>3:20</u> A M |                 |
| B First Initial Flow Pressure  | <u>159</u> P.S.I.  | First Flow Pressure        | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>142</u> P.S.I.  | Initial Closed-in Pressure | <u>45</u> Mins. | <u>48</u> Mins. |
| D Initial Closed-in Pressure   | <u>1017</u> P.S.I. | Second Flow Pressure       | <u>90</u> Mins. | <u>90</u> Mins. |
| E Second Initial Flow Pressure | <u>169</u> P.S.I.  | Final Closed-in Pressure   | <u>60</u> Mins. | <u>63</u> Mins. |
| F Second Final Flow Pressure   | <u>146</u> P.S.I.  |                            |                 |                 |
| G Final Closed-in Pressure     | <u>893</u> P.S.I.  |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>2496</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>16</u> Inc.   |             | Breakdown: <u>18</u> Inc.   |            | Breakdown: <u>21</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>159</u> | <u>0</u>                    | <u>142</u>  | <u>0</u>                    | <u>169</u> | <u>0</u>                    | <u>146</u> |
| P 2 <u>5</u>                | <u>144</u> | <u>3</u>                    | <u>500</u>  | <u>5</u>                    | <u>148</u> | <u>3</u>                    | <u>394</u> |
| P 3 <u>10</u>               | <u>137</u> | <u>6</u>                    | <u>723</u>  | <u>10</u>                   | <u>144</u> | <u>6</u>                    | <u>550</u> |
| P 4 <u>15</u>               | <u>140</u> | <u>9</u>                    | <u>820</u>  | <u>15</u>                   | <u>146</u> | <u>9</u>                    | <u>658</u> |
| P 5 <u>20</u>               | <u>143</u> | <u>12</u>                   | <u>889</u>  | <u>20</u>                   | <u>148</u> | <u>12</u>                   | <u>718</u> |
| P 6 <u>25</u>               | <u>142</u> | <u>15</u>                   | <u>923</u>  | <u>25</u>                   | <u>150</u> | <u>15</u>                   | <u>752</u> |
| P 7 <u>30</u>               | <u>142</u> | <u>18</u>                   | <u>941</u>  | <u>30</u>                   | <u>150</u> | <u>18</u>                   | <u>781</u> |
| P 8                         |            | <u>21</u>                   | <u>956</u>  | <u>35</u>                   | <u>150</u> | <u>21</u>                   | <u>800</u> |
| P 9                         |            | <u>24</u>                   | <u>971</u>  | <u>40</u>                   | <u>150</u> | <u>24</u>                   | <u>812</u> |
| P10                         |            | <u>27</u>                   | <u>983</u>  | <u>45</u>                   | <u>150</u> | <u>27</u>                   | <u>829</u> |
| P11                         |            | <u>30</u>                   | <u>994</u>  | <u>50</u>                   | <u>150</u> | <u>30</u>                   | <u>835</u> |
| P12                         |            | <u>33</u>                   | <u>998</u>  | <u>55</u>                   | <u>150</u> | <u>33</u>                   | <u>845</u> |
| P13                         |            | <u>36</u>                   | <u>1002</u> | <u>60</u>                   | <u>147</u> | <u>36</u>                   | <u>852</u> |
| P14                         |            | <u>39</u>                   | <u>1008</u> | <u>65</u>                   | <u>146</u> | <u>39</u>                   | <u>858</u> |
| P15                         |            | <u>42</u>                   | <u>1010</u> | <u>70</u>                   | <u>146</u> | <u>42</u>                   | <u>862</u> |
| P16                         |            | <u>45</u>                   | <u>1015</u> | <u>75</u>                   | <u>146</u> | <u>45</u>                   | <u>866</u> |
| P17                         |            | <u>48</u>                   | <u>1017</u> | <u>80</u>                   | <u>146</u> | <u>48</u>                   | <u>870</u> |
| P18                         |            |                             |             | <u>85</u>                   | <u>146</u> | <u>51</u>                   | <u>875</u> |
| P19                         |            |                             |             | <u>90</u>                   | <u>146</u> | <u>54</u>                   | <u>879</u> |
| P20                         |            |                             |             |                             |            | <u>57</u>                   | <u>883</u> |
|                             |            |                             |             |                             |            | <u>60</u>                   | <u>889</u> |
|                             |            |                             |             |                             |            | <u>63</u>                   | <u>893</u> |