



WESTERN TESTING CO., Inc.
P. O. Box 1599
WICHITA, KANSAS 67201

DATE 1/31/80

Well Report No. 5451
Unit No.
District

FOR CUSTOMER'S USE ONLY

Register No.	Voucher No.
Terms Approved	Price Approved
Calculations Checked	
Adjustments	
Accounting Distribution	
Audited	Final Approval

CHARGE TO

Petroleum Energy, Inc.
One Twenty Building, Suite 710
Wichita, Kansas 67202

Your Order No.	Owner	Contractor			
Well No.	Farm	County	Sec.	Twp.	Range
#2	Riedel	Ellis	5	14S	19W

One drill stem test from 3536' to 3558' (Test 1) \$ 500.00

POSTED

Discount \$ 5.00	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 5451
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

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

From Dave Adamey

Pet Eng. 68,000
#1 Test 81M
Reidel #2 Chlorides

120' 50CM

PET. ENG. 50,000
DST #2 P.P.M.
REIDEL #2 CHLORIDES
5' DRUG MUD

PET. ENG.
DST #3 52,000
REIDEL #2 P.P.M.
10' DRUG MUD CHLORIDES

PET. ENG.
DST #4 43,000
REIDEL P.P.M.
520' OLM CHLORIDES

RECEIVED
FEB 12 1980



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5451

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

Elevation 2230 KB Formation LANSENG Eff. Pay Ft.

District GREAT BEND Date 1/31/80 Customer Order No.

COMPANY NAME PETROLEUM ENERGY, Inc.

ADDRESS SUITE 710 120 BUILDING WICHITA, KS 67202

LEASE AND WELL NO. RIEDEL #2 COUNTY ELLIS STATE KS Sec. 5 Twp 14S Rge 19W

Mail Invoice To SAME Co. Name PETROLEUM ENERGY Address WICHITA KS No. Copies Requested 5

Mail Charts To PETROLEUM ENERGY Address WICHITA KS No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3536 ft. to 3558 ft. Total Depth 3558 ft.

Packer Depth 3531 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3536 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3551 ft. Recorder Number 4332 Cap. 4200

Bottom Recorder Depth (Outside) 3555 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor WHITE & ELLIS Drill Collar Length 311 I. D. 2.2 in.

Mud Type STARCH-SALT Viscosity 42 Weight Pipe Length I. D. in.

Weight 9.9 Water Loss 13.4 cc. Drill Pipe Length 3203 I. D. 3.8 in.

Chlorides P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number Anchor Length 22 ft. Size 5 1/2 in.

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

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

Blow: 1ST - WEAK BUILDING TO GOOD BLOW

2ND - GOOD BLOW THROUGHOUT

Recovered 120 ft. of OIL CUT MUD

Recovered 60 ft. of SLIGHTLY OIL CUT MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: 68,000 P.P.M.

Time Set Packer(s) 11:25 A.M. Time Started Off Bottom 1:55 A.M. Maximum Temperature 106°

Initial Hydrostatic Pressure 1932 P.S.I. (A)

Initial Flow Period 45 Minutes (B) 75 P.S.I. to (C) 75 P.S.I.

Initial Closed In Period 30 Minutes (D) 700 P.S.I.

Final Flow Period 45 Minutes (E) 119 P.S.I. to (F) 119 P.S.I.

Final Closed In Period 30 Minutes (G) 508 P.S.I.

Final Hydrostatic Pressure 1900 P.S.I. (H)

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

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

Test Approved By Sanell Clapham
Signature of Customer or his authorized representative

Western Representative Sanell Clapham

FIELD INVOICE

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

WESTERN TESTING CO., INC.

Pressure Data

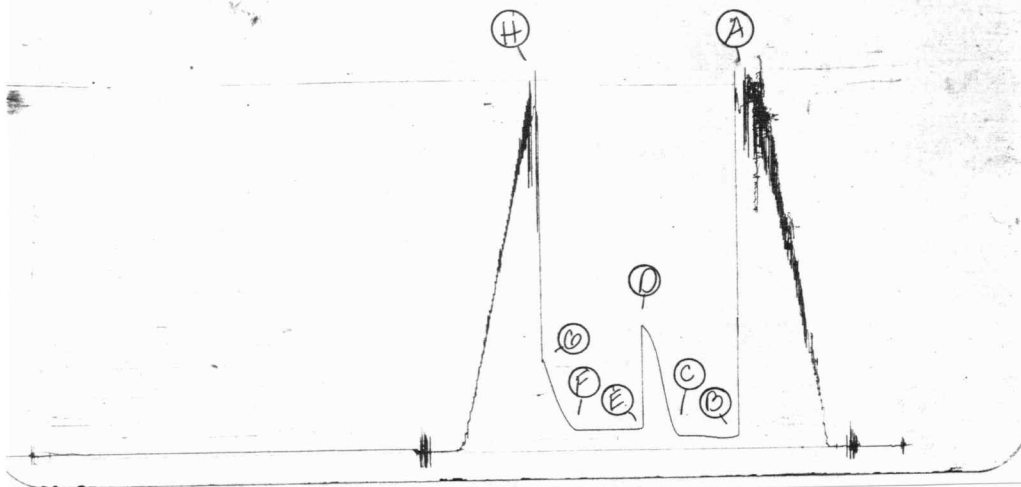
Date 1-31-80 Recorder No. 4332 Capacity 4200 Test Ticket No. 5451
 Location 3551 2553 Ft. Elevation 2230 KB Well Temperature 106 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1951</u> P.S.I.	<u>11:25</u> A	<u>M</u>
B First Initial Flow Pressure	<u>69</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>74</u> P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>689</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>123</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>113</u> P.S.I.		
G Final Closed-in Pressure	<u>513</u> P.S.I.		
H Final Hydrostatic Mud	<u>1903</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>69</u>	0	<u>74</u>	0	<u>123</u>	0	<u>113</u>
P 2 5	<u>58</u>	3	<u>97</u>	5	<u>113</u>	3	<u>115</u>
P 3 10	<u>56</u>	6	<u>158</u>	10		6	<u>121</u>
P 4 15	<u>61</u>	9	<u>257</u>	15		9	<u>145</u>
P 5 20	<u>65</u>	12	<u>379</u>	20		12	<u>184</u>
P 6 25	<u>71</u>	15	<u>500</u>	25		15	<u>227</u>
P 7 30	<u>74</u>	18	<u>577</u>	30		18	<u>281</u>
P 8 35	<u>74</u>	21	<u>632</u>	35		21	<u>344</u>
P 9 40	<u>74</u>	24	<u>668</u>	40		24	<u>422</u>
P10 45	<u>74</u>	27	<u>689</u>	45	<u>113</u>	27	<u>494</u>
P11 50		30		50		30	<u>513</u>
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

Trt # 5451
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Company Petroleum Energy, Inc. Lease & Well No. Riedel #2
Elevation 2230 Kelly Bushing Lansing Effective Pay -- Ft. Ticket No. 5451
Date 1/31/80 Sec. 5 Twp. 14S Range 19W County Ellis State Kansas
Test Approved by Dan Nixon Western Representative Dan Delaney
Darrell Calphan

Formation Test No. 1 Interval Tested from 3536 ft. to 3558 ft. Total Depth 3558 ft.

Packer Depth 3531 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3536 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3551 ft. Recorder Number 4332 Cap. 4200

Bottom Recorder Depth (Outside) 3555 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor White & Ellis Drilling Drill Collar Length 311 I. D. 2.2 in.

Mud Type starch-salt-clay viscosity 42 Weight Pipe Length -- I. D. -- in.

Weight 9.9 Water Loss 13.4 cc. Drill Pipe Length 3203 I. D. 3.8 in.

Chlorides -- P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make -- Serial Number -- Anchor Length 22 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: First-weak building to good blow; second, good blow throughout.

Recovered 120 ft. of oil cut mud

Recovered 60 ft. of slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:25 A.M. Time Started Off Bottom 1:55 A.M. Maximum Temperature 106°
P.M. P.M.

Initial Hydrostatic Pressure (A) 1951 P.S.I.

Initial Flow Period Minutes 45 (B) 69 P.S.I. to (C) 74 P.S.I.

Initial Closed In Period Minutes 27 (D) 689 P.S.I.

Final Flow Period Minutes 45 (E) 123 P.S.I. to (F) 113 P.S.I.

Final Closed In Period Minutes 30 (G) 513 P.S.I.

Final Hydrostatic Pressure (H) 1903 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/31/80 Test Ticket No. 5451
 Recorder No. 4332 Capacity 4200 Location 3551 Ft.
 Clock No. -- Elevation 2230 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1951</u> P.S.I.	Open Tool	<u>11:25A</u> M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>74</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>689</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>123</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>113</u> P.S.I.			
G Final Closed-in Pressure	<u>513</u> P.S.I.			
H Final Hydrostatic Mud	<u>1903</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>69</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>113</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>97</u>	<u>5</u>	<u>113</u>	<u>3</u>	<u>115</u>
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>158</u>	<u>10</u>	<u>113</u>	<u>6</u>	<u>121</u>
P 4 <u>15</u>	<u>67</u>	<u>9</u>	<u>257</u>	<u>15</u>	<u>113</u>	<u>9</u>	<u>145</u>
P 5 <u>20</u>	<u>65</u>	<u>12</u>	<u>379</u>	<u>20</u>	<u>113</u>	<u>12</u>	<u>184</u>
P 6 <u>25</u>	<u>71</u>	<u>15</u>	<u>500</u>	<u>25</u>	<u>113</u>	<u>15</u>	<u>227</u>
P 7 <u>30</u>	<u>74</u>	<u>18</u>	<u>577</u>	<u>30</u>	<u>113</u>	<u>18</u>	<u>281</u>
P 8 <u>35</u>	<u>74</u>	<u>21</u>	<u>632</u>	<u>35</u>	<u>113</u>	<u>21</u>	<u>344</u>
P 9 <u>40</u>	<u>74</u>	<u>24</u>	<u>668</u>	<u>40</u>	<u>113</u>	<u>24</u>	<u>422</u>
P10 <u>45</u>	<u>74</u>	<u>27</u>	<u>689</u>	<u>45</u>	<u>113</u>	<u>27</u>	<u>494</u>
P11						<u>30</u>	<u>513</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 5452

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

Elevation 2230 KB Formation KC Eff. Pay — Ft.

District GREAT BEND KS Date 2/1/80 Customer Order No. —

COMPANY NAME PETROLEUM ENERGY, Inc

ADDRESS SUITE 710 120 BUILDING WICHITA KS 67202

LEASE AND WELL NO. RIEDEL #2 COUNTY ELLIS STATE KS Sec. 5 Twp 14S Rge 19W

Mail Invoice To PETROLEUM ENERGY SUITE 710 WICHITA KS No. Copies Requested 5

Co. Name SAME Address —

Mail Charts To — No. Copies Requested 87

Address —

Formation Test No. 2 Interval Tested from 3659 ft. to 3690 ft. Total Depth 3690 ft.

Packer Depth 3654 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3659 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3683 ft. Recorder Number 4332 Cap. 4200

Bottom Recorder Depth (Outside) 3687 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor WHITE & ELLIS Drill Collar Length 311 I. D. 2.12 in.

Mud Type STARCH SALT CLAY Viscosity 41 Weight Pipe Length — I. D. — in.

Weight 10.0 Water Loss 13.8 cc. Drill Pipe Length — I. D. — in.

Chlorides — P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make — Serial Number — Anchor Length 31 ft. Size 5 1/2 in.

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

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

Blow: 1ST - WEAK BLOW

2ND - WEAK BLOW - DIED IN 13 MIN.

Recovered 5 ft. of DRILLING MUD

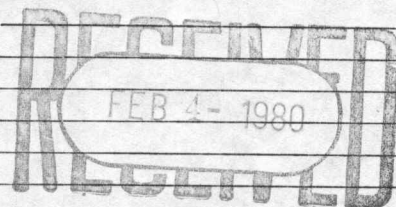
Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of 50,000 P.P.M.

Recovered — ft. of —

Remarks: —



Time Set Packer(s) 7:00 A.M. Time Started Off Bottom 8:20 A.M. Maximum Temperature 106°

Initial Hydrostatic Pressure 1942 P.S.I. (A)

Initial Flow Period 20 Minutes (B) 54 P.S.I. to (C) 54 P.S.I.

Initial Closed In Period 20 Minutes (D) 54 P.S.I.

Final Flow Period 20 Minutes (E) 54 P.S.I. to (F) 54 P.S.I.

Final Closed In Period 20 Minutes (G) 54 P.S.I.

Final Hydrostatic Pressure 1932 P.S.I. (H)

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

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

Test Approved By —
Signature of Customer or his authorized representative

Western Representative —

FIELD INVOICE

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

TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 2-1-80 Test Ticket No. 5452
 Recorder No. 4332 Capacity 4200 Location 3683 Ft.
 Clock No. _____ Elevation 2230 X.B. Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1953</u>	P.S.I.	<u>7:00</u>	<u>P.M.</u>
B First Initial Flow Pressure	<u>71</u>	P.S.I.	<u>20</u>	Mins. <u>20</u> Mins.
C First Final Flow Pressure	<u>55</u>	P.S.I.	<u>20</u>	Mins. <u>18</u> Mins.
D Initial Closed-in Pressure	<u>54</u>	P.S.I.	<u>20</u>	Mins. <u>20</u> Mins.
E Second Initial Flow Pressure	<u>54</u>	P.S.I.	<u>20</u>	Mins. <u>18</u> Mins.
F Second Final Flow Pressure	<u>52</u>	P.S.I.		
G Final Closed-in Pressure	<u>52</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1942</u>	P.S.I.		

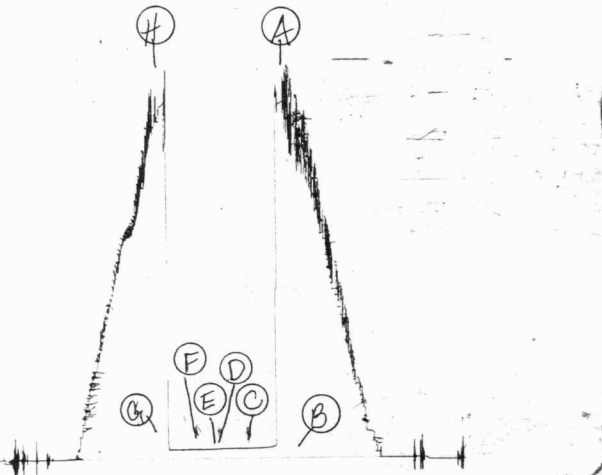
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>84</u> Inc.		Initial Shut-In Breakdown: <u>66</u> Inc.		Second Flow Pressure Breakdown: <u>4</u> Inc.		Final Shut-In Breakdown: <u>6</u> Inc.	
of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>66</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>71</u>	0	<u>55</u>	0	<u>54</u>	0	<u>52</u>
P 2 5	<u>58</u>	3	<u>55</u>	5	<u>53</u>	3	
P 3 10	<u>56</u>	6	<u>55</u>	10	<u>53</u>	6	
P 4 15	<u>55</u>	9	<u>54</u>	15	<u>52</u>	9	
P 5 20	<u>55</u>	12	<u>54</u>	20	<u>52</u>	12	
P 6 20	55	15	<u>54</u>	25		15	
P 7 20	55	18	<u>54</u>	30		18	<u>52</u>
P 8 25		21	55	35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15 1		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TR# 5452

I.

#5452
4332



Company Petroleum Energy, Inc. Lease & Well No. Riedel #2
Elevation 2230 Kelly Bushing Donelson Kansas Effective Pay -- Ft. Ticket No. 5452
Date 2/1/80 Sec. 5 Twp. 14S Range 19W County Ellis State Kansas

Test Approved by Dan Nixon Western Representative Dan Delaney-

Formation Test No. 2 Interval Tested from 3659 ft. to 3690 ft. Total Depth 3690 ft. Darrell Claphan
Packer Depth 3654 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3659 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3683 ft. Recorder Number 4332 Cap. 4200
Bottom Recorder Depth (Outside) 3687 ft. Recorder Number 4339 Cap. 4300
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drilling Drill Collar Length 311 I. D. 2.2 in.
Mud Type starch-salt-clay Viscosity 41 Weight Pipe Length - I. D. - in.
Weight 10.0 Water Loss 13.8 cc. Drill Pipe Length - I. D. - in.
Chlorides ----- P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
Jars: Make -- Serial Number -- Anchor Length 31 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 in.

Blow: First period-weak blow; second period weak blow; died in thirteen minutes

Recovered 5 ft. of drilling mud
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -

Remarks: -

Time Set Packer(s) 7:00 AM P.M. Time Started Off Bottom 8:20 AM P.M. = Maximum Temperature 106°
Initial Hydrostatic Pressure 1953 P.S.I. (A)
Initial Flow Period 202 Minutes (B) 71 P.S.I. to (C) 55 P.S.I.
Initial Closed In Period 18 Minutes (D) 54 P.S.I.
Final Flow Period 20 Minutes (E) 54 P.S.I. to (F) 52 P.S.I.
Final Closed In Period 18 Minutes (G) 52 P.S.I.
Final Hydrostatic Pressure 1942 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 2/1/80 Recorder No. 4332 Capacity 4200 Test Ticket No. 5452
 Clock No. ----- Elevation 2230 Kelly Bushing Location 3683 Ft. Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1953</u> P.S.I.	Open Tool	<u>7:00P</u> M	
B First Initial Flow Pressure	<u>71</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>55</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>18</u> Mins.
D Initial Closed-in Pressure	<u>54</u> P.S.I.	Second Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins.
E Second Initial Flow Pressure	<u>54</u> P.S.I.	Final Closed-in Pressure	<u>20</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>52</u> P.S.I.			
H Final Hydrostatic Mud	<u>1942</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 6 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 6 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>71</u>	<u>0</u>	<u>55</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>52</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>55</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>52</u>
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>55</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>52</u>
P 4 <u>15</u>	<u>55</u>	<u>9</u>	<u>54</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>52</u>
P 5 <u>20</u>	<u>55</u>	<u>12</u>	<u>54</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>52</u>
P 6		<u>15</u>	<u>54</u>			<u>15</u>	<u>52</u>
P 7		<u>18</u>	<u>54</u>			<u>18</u>	<u>52</u>
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5453

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

Elevation 2230 KB Formation Kc Eff. Pay Ft.

District GREAT BEND Date 2/2/80 Customer Order No. —

COMPANY NAME PETROLEUM ENERGY, INC.

ADDRESS SUITE 710 120 BUILDING WICHITA KS 67202

LEASE AND WELL NO. RIEDEL #2 COUNTY ELLIS STATE KS Sec. 5 Twp. 14S Rge. 9W

Mail Invoice To PETROLEUM ENERGY No. Copies Requested 5
Co. Name Address

Mail Charts To SAME No. Copies Requested 57
Address

Formation Test No. 3 Interval Tested from 3694 ft. to 3740 ft. Total Depth 3740 ft.

Packer Depth 3689 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3694 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3737 ft. Recorder Number 4332 Cap. 4200

Bottom Recorder Depth (Outside) 3740 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor WHITE ELLIS Drill Collar Length 311 I. D. 2.2 in.

Mud Type STARCH SALT Viscosity 41 Weight Pipe Length — I. D. — in.

Weight 10.0 Water Loss 13.8 cc. Drill Pipe Length 3361 I. D. 3.8 in.

Chlorides — P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make — Serial Number — Anchor Length 46 ft. Size 5 1/2 in.

Did Well Flow? — Reversed Out — Surface Choke Size 1 1/2 in. Bottom Choke Size 1 1/2 in.

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

Blow: 1ST - WEAK BLOW THROUGHOUT
2ND - WEAK BLOW THROUGHOUT

Recovered 10 ft. of DEULING MUD

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Remarks: 52,000 P.P.M.

Time Set Packer(s) 7:15 A.M. Time Started Off Bottom 11:35 A.M. Maximum Temperature 106°

Initial Hydrostatic Pressure 2070 P.S.I. (A)

Initial Flow Period 20 Minutes (B) 75 P.S.I. to (C) 75 P.S.I.

Initial Closed In Period 20 Minutes (D) 902 P.S.I.

Final Flow Period 20 Minutes (E) 86 P.S.I. to (F) 86 P.S.I.

Final Closed In Period 20 Minutes (G) 870 P.S.I.

Final Hydrostatic Pressure 2027 P.S.I. (H)

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

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

Test Approved By [Signature]
Signature of Customer or his authorized representative

Western Representative [Signature]
[Signature]

FIELD INVOICE

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

TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 2-2-80 Recorder No. 4332 Capacity 4200 Test Ticket No. 5453
 Clock No. _____ Elevation 2230 KB Location 3737 Ft. _____
 Well Temperature 106 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2092</u> P.S.I.	<u>7:15 A</u> M	
B First Initial Flow Pressure	<u>91</u> P.S.I.	<u>20</u> Mins.	<u>20</u> Mins.
C First Final Flow Pressure	<u>80</u> P.S.I.	<u>20</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>898</u> P.S.I.	<u>20</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>104</u> P.S.I.	<u>20</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>96</u> P.S.I.		
G Final Closed-in Pressure	<u>873</u> P.S.I.		
H Final Hydrostatic Mud	<u>2021</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 4 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 5 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

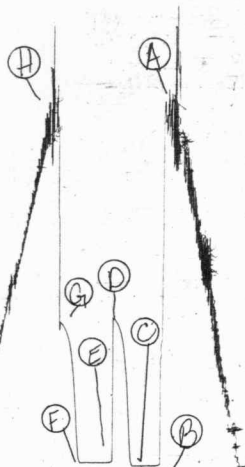
Second Flow Pressure
 Breakdown: 5 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 4 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	91	0	80	0	104	0	96
P 2 5	80	3	303	5	97	3	277
P 3 10	1	6	621	10	97	6	570
P 4 15	1	9	798	15	97	9	747
P 5 20	80	12	864	20	96	12	821
P 6 25		15	898	25	96	15	862
P 7 30		18		30		18	873
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

4332
#5453

TKI# 5453
I



Company Petroleum Energy, Inc. Lease & Well No. Riedel #2
Elevation 2230 Kelly Bushing Formation Kansas City Effective Pay --- Ft. Ticket No. 5453
Date 2/2/80 Sec. 5 Twp. 14S Range 19W County Ellis State Kansas
Test Approved by Dan Nixon Western Representative Dan Delaney-
Darrell Claplan

Formation Test No. 3 Interval Tested from 3694 ft. to 3740 ft. Total Depth 3740 ft.

Packer Depth 3689 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Packer Depth 3694 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 3737 ft. Recorder Number 4332 Cap. 4200

Bottom Recorder Depth (Outside) 3740 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor White & Ellis Drilling Co. Drill Collar Length 311 I. D. 2.2 in.

Mud Type starch-salt-viceloy 41 Weight Pipe Length --- I. D. --- in.

Weight 10.0 Water Loss 13.8 cc. Drill Pipe Length 3361 I. D. 3.8 in.

Chlorides --- P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make --- Serial Number --- Anchor Length 46 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 in.

Blow: First flow weak blow throughout ; Second flow weak blow throughout.

Recovered 10 ft. of drilling mud

Recovered --- ft. of ---

Recovered --- ft. of ---

Recovered --- ft. of ---

Recovered --- ft. of ---

Remarks: ---

Time Set Packer(s) 7:15 A.M. P.M. Time Started Off Bottom 11:35 A.M. P.M. Maximum Temperature 106°

Initial Hydrostatic Pressure --- (A) 2092 P.S.I.

Initial Flow Period --- Minutes 20 (B) 91 P.S.I. to (C) 80 P.S.I.

Initial Closed In Period --- Minutes 20 (D) 898 P.S.I.

Final Flow Period --- Minutes 20 (E) 104 P.S.I. to (F) 96 P.S.I.

Final Closed In Period --- Minutes 20 (G) 873 P.S.I.

Final Hydrostatic Pressure --- (H) 2021 P.S.I.

WESTERN TESTING CO., INC. Pressure Data

Date 2/2/80

Recorder No. 4332

Capacity 4200

Test Ticket No. 5453

Clock No. -----

Elevation

2230 Kelly Bushing

Location 3737 Ft.

Well Temperature 106 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2092</u>	P.S.I.
B First Initial Flow Pressure	<u>91</u>	P.S.I.
C First Final Flow Pressure	<u>80</u>	P.S.I.
D Initial Closed-in Pressure	<u>898</u>	P.S.I.
E Second Initial Flow Pressure	<u>104</u>	P.S.I.
F Second Final Flow Pressure	<u>96</u>	P.S.I.
G Final Closed-in Pressure	<u>873</u>	P.S.I.
H Final Hydrostatic Mud	<u>2021</u>	P.S.I.

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

Time Given

Time Computed

7:15A M

20 Mins. 20 Mins.

20 Mins. 15 Mins.

20 Mins. 25 Mins.

20 Mins. 18 Mins.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 5 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

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

Final Shut-In

Breakdown: 6 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>91</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>104</u>	<u>0</u>	<u>96</u>
P 2 <u>5</u>	<u>80</u>	<u>3</u>	<u>303</u>	<u>5</u>	<u>97</u>	<u>3</u>	<u>277</u>
P 3 <u>10</u>	<u>80</u>	<u>6</u>	<u>621</u>	<u>10</u>	<u>97</u>	<u>6</u>	<u>570</u>
P 4 <u>15</u>	<u>80</u>	<u>9</u>	<u>798</u>	<u>15</u>	<u>97</u>	<u>9</u>	<u>747</u>
P 5 <u>20</u>	<u>80</u>	<u>12</u>	<u>864</u>	<u>20</u>	<u>96</u>	<u>12</u>	<u>821</u>
P 6		<u>15</u>	<u>898</u>	<u>25</u>	<u>96</u>	<u>15</u>	<u>862</u>
P 7						<u>18</u>	<u>873</u>
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 5454

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation

2230 KB

Formation

ARBUCKLE

Eff. Pay — Ft.

District

GREAT BEND

Date

2/13/80

Customer Order No.

—

COMPANY NAME

PETROLEUM ENERGY, Inc.

ADDRESS

SUITE 710 120 BUILDING WICHITA KS

LEASE AND WELL NO.

RIEDEL #2

COUNTY

ELLIS

STATE

KS

Sec.

5

Twp

14S

Rge

19W

Mail Invoice To

SAME

Co. Name

Address

No. Copies Requested

5

Mail Charts To

SAME

Address

No. Copies Requested

5

Formation Test No.

4

Interval Tested from

3817

ft. to

3847

ft.

Total Depth

3847

ft.

Packer Depth

3812

ft.

Size

6 3/4 in.

Packer Depth

—

ft.

Size

—

in.

Packer Depth

3817

ft.

Size

6 3/4 in.

Packer Depth

—

ft.

Size

—

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

3840

ft.

Recorder Number

4332

Cap.

4200

Bottom Recorder Depth (Outside)

3844

ft.

Recorder Number

4339

Cap.

4300

Below Straddle Recorder Depth

—

ft.

Recorder Number

—

Cap.

—

Drilling Contractor

WHITE & ELLIS

Mud Type

STARCH SALT

Viscosity

41

Drill Collar Length

311

I. D.

2.2

in.

Weight

10.2

Water Loss

12.8

cc.

Weight Pipe Length

—

I. D.

—

in.

Chlorides

P.P.M.

Drill Pipe Length

3484

I. D.

3.8

in.

Jars: Make

Serial Number

Did Well Flow?

NO

Reversed Out

NO

Test Tool Length

22

ft.

Tool Size

4 1/2

in.

Anchor Length

30

ft.

Size

5 1/2

in.

Surface Choke Size

1 1/2

in.

Bottom Choke Size

1 1/2

in.

Main Hole Size

7 7/8

in.

Tool Joint Size

4 1/2

in.

Blow:

1ST FLOW - WEAK BUILDING TO FAIR

2ND FLOW - WEAK BUILDING TO GOOD BLOW

Recovered

220

ft. of

HEAVILY OIL & GAS CUT MUD 48% oil 12% water 40% mud

Recovered

300

ft. of

OIL & GAS CUT MUD 30% oil 10% water 60% mud

Recovered

ft. of

Recovered

ft. of

43,000 P.P.M.

Recovered

ft. of

Remarks:

Time Set Packer(s)

6:45

A.M.

Time Started Off Bottom

9:15

A.M.

Maximum Temperature

118°

Initial Hydrostatic Pressure

(A)

2059

P.S.I.

Initial Flow Period

Minutes

45

(B)

75

P.S.I.

to (C)

140

P.S.I.

Initial Closed In Period

Minutes

40

(D)

1157

P.S.I.

Final Flow Period

Minutes

45

(E)

162

P.S.I.

to (F)

P.S.I.

Final Closed In Period

Minutes

30

(G)

P.S.I.

Final Hydrostatic Pressure

(H)

2048

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

\$ 500.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

\$

Fluid Sampler

\$

Extra Charts

\$

TOTAL

\$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 2-3-30

Recorder No. 4332

Capacity 4200

Test Ticket No. 5454

Location 3840 Ft.

Clock No. _____

Elevation 2230 KB

Well Temperature 118 °F

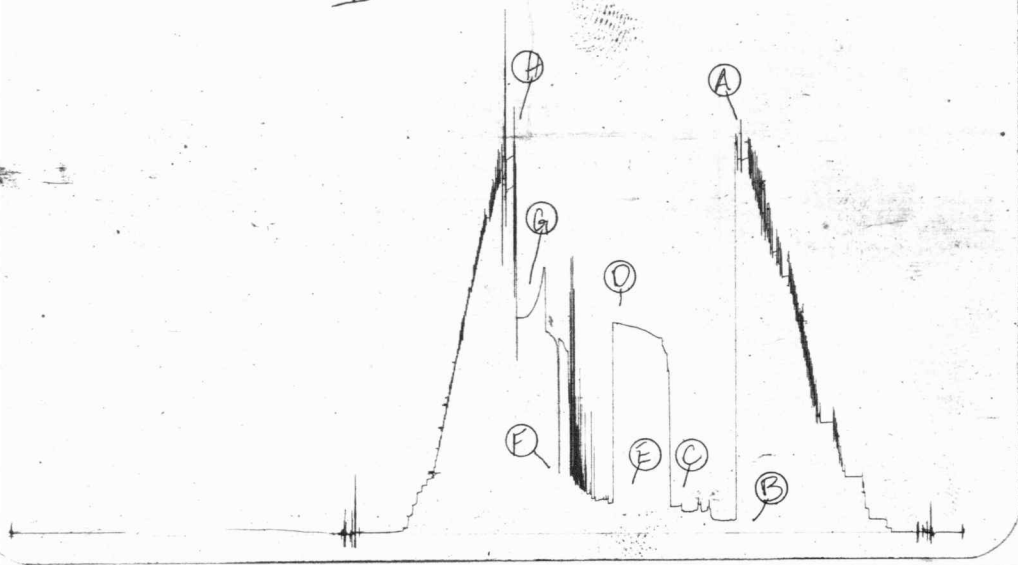
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2072</u>	P.S.I.	<u>6:45</u> A	M
B First Initial Flow Pressure	<u>74</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>147</u>	P.S.I.	<u>40</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1166</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>63</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>Plugging Action</u>	P.S.I.		
G Final Closed-in Pressure	<u>1204</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2063</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>74</u>	0	<u>147</u>	0	<u>63</u>	0	<u>1070</u>
P 2 5	<u>69</u>	3	<u>994</u>	5	<u>Plugging Action</u>	3	<u>1070</u>
P 3 10	<u>69</u>	6	<u>1040</u>	10	<u>84</u>	6	<u>1100</u>
P 4 15	<u>74</u>	9	<u>1081</u>	15	<u>89</u>	9	<u>1123</u>
P 5 20	<u>147</u>	12	<u>1091</u>	20	<u>249</u>	12	<u>1455</u>
P 6 25	<u>117</u>	15	<u>1104</u>	25	<u>307</u>	15	<u>1338</u>
P 7 30	<u>126</u>	18	<u>1117</u>	30	<u>355</u>	18	<u>1274</u>
P 8 35	<u>119</u>	21	<u>1128</u>	35	<u>705</u>	21	<u>1232</u>
P 9 40	<u>156</u>	24	<u>1136</u>	40	<u>1029</u>	24	<u>1211</u>
P 10 45	<u>147</u>	27	<u>1143</u>	45	<u>1005</u>	27	<u>1204</u>
P 11 50	<u>Pressures</u>	30	<u>1147</u>	50		30	<u>1204</u>
P 12 55	<u>not true due</u>	33	<u>1151</u>	55		33	<u>Pressures</u>
P 13 60	<u>to plugging</u>	36	<u>1155</u>	60		36	<u>not true</u>
P 14	<u>action</u>	39	<u>1162</u>	65		39	<u>due to</u>
P 15		42	<u>1166</u>	70		42	<u>Plugging Action</u>
P 16		45		75		45	<u>packer set</u>
P 17		48		80		48	<u>failure</u>
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

4332
#5454

TKT# 5454
I.



Company Petroleum Energy, Inc. Lease & Well No. Riedel #2
Elevation 2230 Kelly Bushing Arbuckle Effective Pay --- Ft. Ticket No. 5454
Date 2/3/80 Sec. 5 Twp. 14S Range 19W County Ellis State Kansas

Test Approved by Don Nixon Western Representative Dan Delaney=Darrell

Formation Test No. 4 Interval Tested from 3817 ft. to 3847 ft. Total Depth 3847 Claphan ft.

Packer Depth 3812 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3817 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3840 ft. Recorder Number 4332 Cap. 4200

Bottom Recorder Depth (Outside) 3844 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor White & Ellis Drilling Drill Collar Length 311 I. D. 2.2 in.

Mud Type starch-salt-clay Viscosity 41 Weight Pipe Length -- I. D. - in.

Weight 10.2 Water Loss 12.8 cc. Drill Pipe Length 3484 I. D. 3.8 in.

Chlorides == P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.

Jars: Make -- Serial Number - Anchor Length 30 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: First flow-weak building to fair. Second flow-weak building to good blow.

Recovered 220 ft. of heavily oil and gas cut mud (48% oil;12% water;40% mud)

Recovered 300 ft. of oil and gas cut mud (30% oil;10% water;60% mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:45 A.M. P.M. Time Started Off Bottom 9:15 A.M. P.M. Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 2072 P.S.I.

Initial Flow Period Minutes 45 (B) 74 P.S.I. to (C) 147 P.S.I.

Initial Closed In Period Minutes 42 (D) 1166 P.S.I.

Final Flow Period Minutes 45 (E) 63 P.S.I. to (F) Plugging action

Final Closed In Period Minutes 30 (G) 1204 P.S.I.

Final Hydrostatic Pressure (H) 2063 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/3/80 Test Ticket No. 5454
 Recorder No. 4332 Capacity 4200 Location 3840 Ft.
 Clock No. ----- Elevation 2230 Kelly Bushing Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2072</u> P.S.I.	<u>6:45A</u> M	
B First Initial Flow Pressure	<u>74</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>147</u> P.S.I.	<u>40</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1166</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>Plugging action</u> P.S.I.		
G Final Closed-in Pressure	<u>1204</u> P.S.I.		
H Final Hydrostatic Mud	<u>2063</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>74</u>	<u>0</u>	<u>147</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>Plugging action</u>
P 2 <u>5</u>	<u>69</u>	<u>3</u>	<u>994</u>	<u>5</u>	<u>Plugging action</u>	<u>3</u>	<u>1070</u>
P 3 <u>10</u>	<u>69</u>	<u>6</u>	<u>1040</u>	<u>10</u>	<u>Plugging action</u>	<u>6</u>	<u>1100</u>
P 4 <u>15</u>	<u>74</u>	<u>9</u>	<u>1081</u>	<u>15</u>	<u>Plugging action</u>	<u>9</u>	<u>1123</u>
P 5 <u>20</u>	<u>147</u>	<u>12</u>	<u>1091</u>	<u>20</u>	<u>Plugging action</u>	<u>12</u>	<u>1455</u>
P 6 <u>25</u>	<u>117</u>	<u>15</u>	<u>1104</u>	<u>25</u>	<u>Plugging action</u>	<u>15</u>	<u>1338</u>
P 7 <u>30</u>	<u>126</u>	<u>18</u>	<u>1117</u>	<u>30</u>	<u>Plugging action</u>	<u>18</u>	<u>1274</u>
P 8 <u>35</u>	<u>119</u>	<u>21</u>	<u>1128</u>	<u>35</u>	<u>Plugging action</u>	<u>21</u>	<u>1232</u>
P 9 <u>40</u>	<u>156</u>	<u>24</u>	<u>1136</u>	<u>40</u>	<u>Plugging action</u>	<u>24</u>	<u>1211</u>
P10 <u>45</u>	<u>147</u>	<u>27</u>	<u>1143</u>	<u>45</u>	<u>Plugging action</u>	<u>27</u>	<u>1204</u>
P11 <u>PRESSURES NOT TRUE</u>		<u>30</u>	<u>1147</u>			<u>30</u>	<u>1204</u>
P12 <u>DUE TO PLUGGING ACTION</u>		<u>33</u>	<u>1151</u>				<u>PRESSURES NOT TRUE</u>
P13		<u>36</u>	<u>1155</u>				<u>DUE TO PACKER SEAT</u>
P14		<u>39</u>	<u>1162</u>				<u>FAILURE.</u>
P15		<u>42</u>	<u>1166</u>				
P16							
P17							
P18							
P19							
P20							