



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 10989

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

Formation

MISS.

Eff. Pay Ft.

District

PRATT

Date

6-20-81

Customer Order No.

COMPANY NAME

Petroleum Inc

ADDRESS

800 B.N. HARVEY Building, Wichita, KS 67202

LEASE AND WELL NO

WESTERMAN #3-C

COUNTY KINGMAN

STATE

KS

Sec.

19

Twp

30 S

Rge

9W

Mail Invoice To

Co. Name

SAME

Address

SAME

Address

No. Copies Requested

5

Mail Charts To

No. Copies Requested

5

Formation Test No.

7

Interval Tested from

4403

ft. to

4415

ft.

Total Depth

4415

ft.

Packer Depth

4398

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Packer Depth

4403

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4405 ft.

Bottom Recorder Depth (Outside)

4408 ft.

Below Straddle Recorder Depth

ft.

Recorder Number

1560

Cap.

4500

Recorder Number

11019

Cap.

4500

Recorder Number

ft.

Cap.

ft.

Drilling Contractor

DNR

Rig 3

Drill Collar Length

248

I. D.

2.25 in.

Mud Type

DRIPAC

Viscosity

38

Weight Pipe Length

I. D.

in.

Weight

9.3

Water Loss

10.4 cc.

Drill Pipe Length

4133

I. D.

3.8 in.

Chlorides

9000

P.P.M.

Test Tool Length

22 ft.

Tool Size

5 1/2 in.

Jars: Make

-

Serial Number

-

Anchor Length

12 ft.

Size

5 1/2 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

3 1/2 in.

Blow:

I.F.P. - weak blow increased a little

F.F.P. - weak increased to good

Recovered

25 ft. of

slightly gas cut mud

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Remarks:

Time On Location

10:15 A.M.

Time Pick Up Tool

12:10 A.M.

Time Off Location

9:00 A.M.

Time Set Packer(s)

2:05 A.M.

Time Started Off Bottom

6:05 A.M.

Maximum Temperature

126

Initial Hydrostatic Pressure

(A)

2152 P.S.I.

Initial Flow Period

Minutes

60

(B)

23 P.S.I. to (C)

34 P.S.I.

Initial Closed In Period

Minutes

60

(D)

237 P.S.I.

Final Flow Period

Minutes

60

(E)

34 P.S.I. to (F)

34 P.S.I.

Final Closed In Period

Minutes

60

(G)

405 P.S.I.

Final Hydrostatic Pressure

(H)

2118 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

\$ 700.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

32

\$ 24.00

Fluid Sampler

\$

Extra Charts

\$

Insurance

\$

TOTAL

\$ 724.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-20 Test Ticket No. 10989
 Recorder No. 1560 Capacity 4500 Location 4405 Ft.
 Clock No. _____ Elevation _____ Well Temperature 126 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2164</u> P.S.I.	<u>2:05 P</u> M	
B First Initial Flow Pressure	<u>42</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>42</u> P.S.I.	<u>60</u> Mins.	<u>51</u> Mins.
D Initial Closed-in Pressure	<u>295</u> P.S.I.	<u>60</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>46</u> P.S.I.	<u>60</u> Mins.	<u>54</u> Mins.
F Second Final Flow Pressure	<u>46</u> P.S.I.		
G Final Closed-in Pressure	<u>431</u> P.S.I.		
H Final Hydrostatic Mud	<u>2152</u> P.S.I.		

PRESSURE BREAKDOWN.

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>10</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 0	<u>42</u>	0	<u>42</u>	0	<u>46</u>	0	<u>46</u>
P 2 5		3	<u>46</u>	5		3	<u>51</u>
P 3 10		6	<u>51</u>	10		6	<u>76</u>
P 4 15		9	<u>55</u>	15		9	<u>106</u>
P 5 20		12	<u>60</u>	20		12	<u>130</u>
P 6 25		15	<u>72</u>	25		15	<u>155</u>
P 7 30		18	<u>83</u>	30		18	<u>181</u>
P 8 35		21	<u>104</u>	35		21	<u>204</u>
P 9 40		24	<u>123</u>	40		24	<u>227</u>
P10 45		27	<u>146</u>	45		27	<u>248</u>
P11 50		30	<u>164</u>	50	<u>46</u>	30	<u>273</u>
P12 55	<u>42</u>	33	<u>185</u>	55		33	<u>294</u>
P13 60		36	<u>206</u>	60		36	<u>313</u>
P14		39	<u>225</u>	65		39	<u>331</u>
P15		42	<u>241</u>	70		42	<u>354</u>
P16		45	<u>262</u>	75		45	<u>373</u>
P17		48	<u>282</u>	80		48	<u>391</u>
P18		51	<u>295</u>	85		51	<u>410</u>
P19		<u>54</u>		90		54	<u>431</u>
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Time Set	Packer(s)	A.M. P.M.	Time Started	Off Bottom	A.M. P.M.	Maximum Temperature
		2:05			6:05	126°
Initial Hydrostatic Pressure			(A)	2164	P.S.I.	
Initial Flow Period	Minutes	55	(B)	42	P.S.I. to (C)	42 P.S.I.
Initial Closed In Period	Minutes	51	(D)	295	P.S.I.	
Final Flow Period	Minutes	50	(E)	46	P.S.I. to (F)	46 P.S.I.
Final Closed In Period	Minutes	54	(G)	431	P.S.I.	
Final Hydrostatic Pressure			(H)	2152	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 6/20/81 Test Ticket No. 10989

Recorder No. 1560 Capacity 4500 Location 4405 Ft.

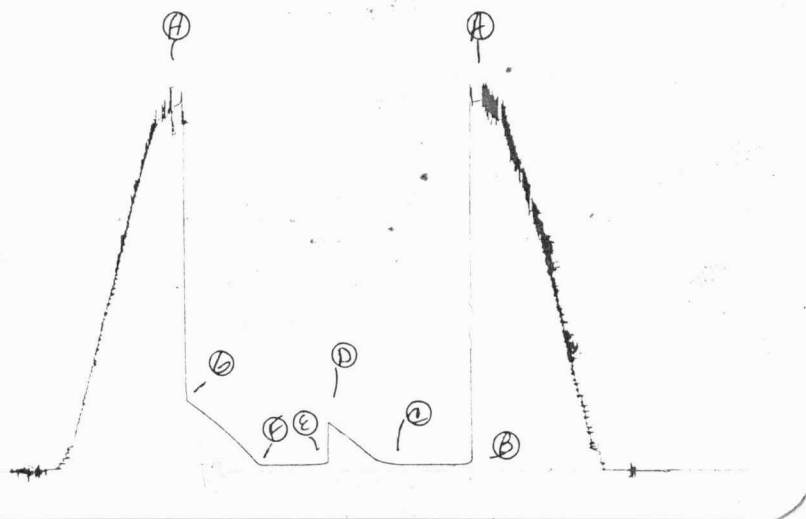
Clock No. --- Elevation ---- Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2164 P.S.I.	Open Tool	2:05P	M
B First Initial Flow Pressure	42 P.S.I.	First Flow Pressure	60 Mins.	55 Mins.
C First Final Flow Pressure	42 P.S.I.	Initial Closed-in Pressure	60 Mins.	51 Mins.
D Initial Closed-in Pressure	295 P.S.I.	Second Flow Pressure	60 Mins.	50 Mins.
E Second Initial Flow Pressure	46 P.S.I.	Final Closed-in Pressure	60 Mins.	54 Mins.
F Second Final Flow Pressure	46 P.S.I.			
G Final Closed-in Pressure	431 P.S.I.			
H Final Hydrostatic Mud	2152 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>10</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 0	42	0	42	0	46	0	46
P 2 5	42	3	46	5	46	3	51
P 3 10	42	6	51	10	46	6	76
P 4 15	42	9	55	15	46	9	106
P 5 20	42	12	60	20	46	12	130
P 6 25	42	15	72	25	46	15	155
P 7 30	42	18	83	30	46	18	181
P 8 35	42	21	104	35	46	21	204
P 9 40	42	24	123	40	46	24	227
P10 45	42	27	146	45	46	27	248
P11 50	42	30	164	50	46	30	273
P12 55	42	33	185			33	294
P13 60		36	206			36	313
P14		39	225			39	331
P15		42	241			42	354
P16		45	262			45	373
P17		48	282			48	391
P18		51	295			51	410
P19						54	431
P20							

TKT #10989
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 10990

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

Formation

MISS

Eff. Pay Ft.

District

Pratt

Date

6-21-81

Customer Order No.

COMPANY NAME

Petroleum, Inc. 300 West Douglas

ADDRESS

Suite 800 R. H. Harny Bldg., Wichita, KS

LEASE AND WELL NO

Western #3-C COUNTY Kingman

STATE

KS

Sec.

19

Twp

30S

Rge

9W

Mail Invoice To

Co. Name

SAME

Address

No. Copies Requested

5

Mail Charts To

SAME

Address

No. Copies Requested

5

Formation Test No.

2

Interval

Tested from

4415

ft. to

4430

ft.

Total Depth

4430

ft.

Packer Depth

4410

ft.

Size

6 3/4 in.

Packer Depth

=

ft.

Size

= in.

Packer Depth

4415

ft.

Size

6 3/4 in.

Packer Depth

=

ft.

Size

= in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4417 ft.

Recorder Number

1560

Cap.

4500

Bottom Recorder Depth (Outside)

4420 ft.

Recorder Number

11019

Cap.

4500

Below Straddle Recorder Depth

= ft.

Recorder Number

=

Cap.

=

Drilling Contractor

DNB

Rig 3

Drill Collar Length

248'

I. D.

2.25 in.

Mud Type

DRIS-PAC

Viscosity

50

Weight Pipe Length

=

I. D.

= in.

Weight

9.3

Water Loss

11

cc.

Drill Pipe Length

4145

I. D.

3.8 in.

Chlorides

9000

P.P.M.

Test Tool Length

22

ft.

Tool Size

5 1/2 in.

Jars: Make

=

Serial Number

=

Anchor Length

15'

ft.

Size

5 1/2 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

3/2 in.

Blow:

I.F.P. - Good Blow + Strong Blow F.F.P. - Strong

Recovered

45

ft. of

slightly oil & gas cut mud

Recovered

ft. of

Recovered

ft. of

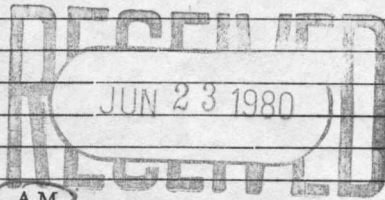
Recovered

ft. of

Recovered

ft. of

Remarks:



Time On Location

1:30

A.M.

Time Pick Up Tool

3:00

A.M.

Time Off Location

A.M.

Time Set Packer(s)

4:35

A.M.

Time Started Off Bottom

8:20

A.M.

Maximum Temperature

129°F

Initial Hydrostatic Pressure

(A)

2253

P.S.I.

Initial Flow Period

Minutes

15

(B)

34

P.S.I.

to (C)

34

P.S.I.

Initial Closed In Period

Minutes

30

(D)

196

P.S.I.

Final Flow Period

Minutes

60

(E)

34

P.S.I.

to (F)

34

P.S.I.

Final Closed In Period

Minutes

120

(G)

653

P.S.I.

Final Hydrostatic Pressure

(H)

2130

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

Louis Spencer

FIELD INVOICE

Open Hole Test

\$ 700.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

\$

Fluid Sampler

\$

Extra Charts

\$

Insurance

\$

TOTAL

\$ 700.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-21 Test Ticket No. 10990
 Recorder No. 1560 Capacity 4500 Location 4417 Ft
 Clock No. _____ Elevation _____ Well Temperature 129 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2253</u> P.S.I.	<u>4:35 A</u> M	
B First Initial Flow Pressure	<u>35</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>35</u> P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>211</u> P.S.I.	<u>60</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	<u>120</u> Mins.	<u>105</u> Mins.
F Second Final Flow Pressure	<u>37</u> P.S.I.		
G Final Closed-in Pressure	<u>655</u> P.S.I.		
H Final Hydrostatic Mud	<u>2164</u> P.S.I.		

PRESSURE BREAKDOWN.

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>35</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>35</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>46</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>44</u>
P 3 <u>10</u>	<u>35</u>	<u>6</u>	<u>65</u>	<u>10</u>	<u>37</u>	<u>6</u>	<u>65</u>
P 4 <u>15</u>	<u>35</u>	<u>9</u>	<u>90</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>88</u>
P 5 <u>20</u>		<u>12</u>	<u>113</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>106</u>
P 6 <u>25</u>		<u>15</u>	<u>137</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>132</u>
P 7 <u>30</u>		<u>18</u>	<u>160</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>155</u>
P 8 <u>35</u>		<u>21</u>	<u>183</u>	<u>35</u>	<u>37</u>	<u>21</u>	<u>181</u>
P 9 <u>40</u>		<u>24</u>	<u>201</u>	<u>40</u>	<u>37</u>	<u>24</u>	<u>204</u>
P10 <u>45</u>		<u>27</u>	<u>211</u>	<u>45</u>	<u>37</u>	<u>27</u>	<u>226</u>
P11 <u>50</u>		<u>30</u>		<u>50</u>	<u>37</u>	<u>30</u>	<u>250</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	<u>273</u>
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	<u>294</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>317</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>340</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>359</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>382</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>403</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>424</u>
P20		<u>57</u>				<u>57</u>	<u>440</u>
		<u>60</u>				<u>60</u>	<u>458</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 10990

Recorder No. _____ Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.	Open Tool _____ M		
B First Initial Flow Pressure _____ P.S.I.	First Flow Pressure _____ Mins. _____ Mins		
C First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure _____ Mins. _____ Mins		
D Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure _____ Mins. _____ Mins		
E Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure _____ Mins. _____ Mins		
F Second Final Flow Pressure _____ P.S.I.			
G Final Closed-in Pressure _____ P.S.I.			
H Final Hydrostatic Mud _____ P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	477
P 2		66				66	493
P 3		69				69	511
P 4		72				72	527
P 5		75				75	541
P 6		78				78	552
P 7		81				81	565
P 8		84				84	579
P 9		87				87	590
P10		90				90	604
P11		93				93	614
P12		96				96	624
P13		99				99	634
P14		102				102	644
P15		105				105	655
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

Company Petroleum, Inc. Lease & Well No. Westerman #3-C
Elevation ---- Formation Mississippi Effective Pay --- Ft. Ticket No. 10990
Date 6/21/81 Sec. 19 Twp. 30S Range 9W County Kingman State Kansas
Test Approved by Ken Hamlin Western Representative Louis Spencer
Formation Test No. 2 Interval Tested from 4415 ft. to 4430 ft. Total Depth 4430 ft.
Packer Depth 4410 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4415 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4417 ft. Recorder Number 1560 Cap. 4500
Bottom Recorder Depth (Outside) 4420 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor DNB Drlg. Rig#3 Drill Collar Length 248' I. D. 2.25 in.
Mud Type drispac Viscosity 50 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 11 cc. Drill Pipe Length 4145 I. D. 3.8 in.
Chlorides 9.000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 1/2 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 3 1/2 in.

Blow: Initial flow period good blow to strong blow ; final flow period - strong.

Recovered 45 ft. of slightly oil and gas cut mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 4:35 A.M. Time Started Off Bottom 8:20 A.M. Maximum Temperature 129°
Initial Hydrostatic Pressure (A) 2253 P.S.I.
Initial Flow Period Minutes 15 (B) 35 P.S.I. to (C) 35 P.S.I.
Initial Closed In Period Minutes 27 (D) 211 P.S.I.
Final Flow Period Minutes 50 (E) 37 P.S.I. to (F) 37 P.S.I.
Final Closed In Period Minutes 105 (G) 655 P.S.I.
Final Hydrostatic Pressure (H) 2164 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/21/81 Test Ticket No. 10990
Recorder No. 1560 Capacity 4500 Location 4417 Ft.
Clock No. - Elevation ---- Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2253 P.S.I.	Open Tool	4:35A	M
B First Initial Flow Pressure	35 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	35 P.S.I.	Initial Closed-in Pressure	30 Mins.	27 Mins.
D Initial Closed-in Pressure	211 P.S.I.	Second Flow Pressure	60 Mins.	50 Mins.
E Second Initial Flow Pressure	37 P.S.I.	Final Closed-in Pressure	120 Mins.	105 Mins.
F Second Final Flow Pressure	37 P.S.I.			
G Final Closed-in Pressure	655 P.S.I.			
H Final Hydrostatic Mud	2164 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>35</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>35</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>46</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>44</u>
P 3 <u>10</u>	<u>35</u>	<u>6</u>	<u>65</u>	<u>10</u>	<u>37</u>	<u>6</u>	<u>65</u>
P 4 <u>15</u>	<u>35</u>	<u>9</u>	<u>90</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>88</u>
P 5		<u>12</u>	<u>113</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>106</u>
P 6		<u>15</u>	<u>137</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>143</u>
P 7		<u>18</u>	<u>160</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>166</u>
P 8		<u>21</u>	<u>183</u>	<u>35</u>	<u>37</u>	<u>21</u>	<u>181</u>
P 9		<u>24</u>	<u>201</u>	<u>40</u>	<u>37</u>	<u>24</u>	<u>204</u>
P10		<u>27</u>	<u>211</u>	<u>45</u>	<u>37</u>	<u>27</u>	<u>226</u>
P11		<u>30</u>		<u>50</u>	<u>37</u>	<u>30</u>	<u>250</u>
P12						<u>33</u>	<u>273</u>
P13						<u>36</u>	<u>294</u>
P14						<u>39</u>	<u>317</u>
P15						<u>42</u>	<u>340</u>
P16						<u>45</u>	<u>359</u>
P17						<u>48</u>	<u>382</u>
P18						<u>51</u>	<u>403</u>
P19						<u>54</u>	<u>424</u>
P20						<u>57</u>	<u>440</u>
						<u>60</u>	<u>458</u>

WESTERN-TESTING CO., INC.

Pressure Data

Date 6/21/81 Test Ticket No. 10990

Recorder No. 1560 Capacity 4500 Location 4417 Ft.

Clock No. - Elevation ---- Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2253</u> P.S.I.	Open Tool	<u>4:35A</u>	<u>M</u>
B First Initial Flow Pressure	<u>35</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>35</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>211</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>105</u> Mins.
F Second Final Flow Pressure	<u>37</u> P.S.I.			
G Final Closed-in Pressure	<u>655</u> P.S.I.			
H Final Hydrostatic Mud	<u>2164</u> P.S.I.			

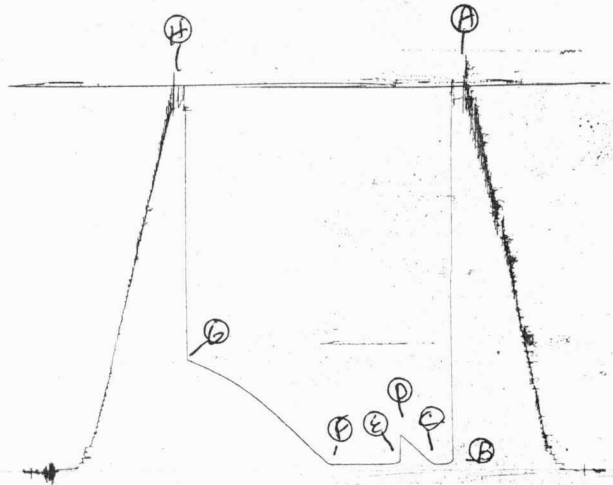
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>35</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						63	477
P 2						66	493
P 3						69	511
P 4						72	527
P 5						75	541
P 6						78	552
P 7						81	565
P 8						84	579
P 9						87	590
P10						90	604
P11						93	614
P12						96	624
P13						99	634
P14						102	644
P15						105	655
P16							
P17							
P18							
P19							
P20							

501

PK+ #10990

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 10991

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

Formation

Miss -

Eff. Pay Ft.

District Pratt Date 6-21-81 Customer Order No.COMPANY NAME Petroleum Inc. 300 West DouglasADDRESS 800 R.H. GARVEY Building, Wichita, KS 67202LEASE AND WELL NO. WESTERMAN #3-C COUNTY KINGMAN STATE KS Sec. 19 Twp. 30S Rge. 9WMail Invoice To SAME No. Copies Requested 5

Co. Name Address

Mail Charts To SAME No. Copies Requested 5

Address

Formation Test No. 3 Interval Tested from 4430 ft. to 4445 ft. Total Depth 4445 ft.Packer Depth 4425 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.Packer Depth 4430 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.Depth of Selective Zone Set —Top Recorder Depth (Inside) 4433 ft. Recorder Number 1560 Cap. 4500Bottom Recorder Depth (Outside) 4436 ft. Recorder Number 11019 Cap. 4500Below Straddle Recorder Depth — ft. Recorder Number — Cap. —Drilling Contractor DVB Rig 3 Drill Collar Length 244 I. D. 2.25 in.Mud Type DRISPA Viscosity 43 Weight Pipe Length 4164 I. D. 3.8 in.Weight 9.5 Water Loss 10 cc. Drill Pipe Length 22 ft. Tool Size 5 1/2 in.Chlorides 7000 P.P.M. Test Tool Length 15 ft. Size 5 1/2 in.Jars: Make — Serial Number — Anchor Length 3/4 in. Bottom Choke Size 3/4 in.Did Well Flow? — Reversed Out — Surface Choke Size 7 7/8 in. Tool Joint Size 3 1/2 in.Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 in.Blow: I.F.R. Strong BlowF.F.P. 21.7.5. 20 min. see gas flow reportRecovered 60 ft. of Heavy oil gas cut mud - 25% oil - 10% WTR - 60% mudRecovered 60 ft. of Heavy oil gas cut watery mud - 25% oil - 15% WTR - 60% mudRecovered 60 ft. of very heavy oil gas cut watery mud - 25% oil - 20% WTR - 22% mudRecovered 60 ft. of Heavy oil gas cut muddy water - 15% oil - 55% WTR - 30% mudRecovered — ft. of — Chlorides 69,000 P.P.M.Remarks: —Time On Location 2:30 A.M. Time Pick Up Tool 5:30 A.M. Time Off Location — A.M.Time Set Packer(s) 7:35 A.M. Time Started Off Bottom 11:20 A.M. Maximum Temperature 128° F.Initial Hydrostatic Pressure 2208 P.S.I.Initial Flow Period 15 Minutes (B) 46 P.S.I. to (C) 46 P.S.I.Initial Closed In Period 30 Minutes (D) 846 P.S.I.Final Flow Period 60 Minutes (E) 846 P.S.I. to (F) 57 P.S.I.Final Closed In Period 120 Minutes (G) 869 P.S.I.Final Hydrostatic Pressure 2163 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 Louie Spencer
Signature of Customer or his authorized representativeWestern Representative Louie Spencer Thanks again

FIELD INVOICE

Open Hole Test \$ 700.00Misrun \$ —Straddle Test \$ —Jars \$ —Selective Zone \$ —Safety Joint \$ —Standby \$ —Evaluation \$ —Extra Packer \$ —Circ. Sub. \$ —Mileage \$ —Fluid Sampler \$ —Extra Charts \$ —Insurance \$ —TOTAL \$ —



No 2633

GAS FLOW REPORT

Date 6-21-81 Ticket # 10991 Company Petroleum Inc.
 Well Name and No. Westorman #3-C Dst No. 3 Interval Tested 4430-4445
 County Kingman State KS Sec. 19 Twp. 30 S Rg. 9 W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW

SECOND FLOW

21.5 20 min.

<u>20</u>	<u>4.5 psi</u>	<u>1/4"</u>		<u>19,500</u>	<u>cu. ft. pd.</u>
<u>30</u>	<u>5</u>	<u>"</u>		<u>20,700</u>	<u>" " "</u>
<u>40</u>	<u>5.5</u>	<u>"</u>		<u>21,800</u>	<u>" " "</u>
<u>50</u>	<u>6</u>	<u>"</u>		<u>22,900</u>	<u>" " "</u>
<u>60</u>	<u>6.5</u>	<u>"</u>		<u>23,900</u>	<u>" " "</u>

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

COMPANY'S NAME Petroleum Inc.Authorized by Ken Hamlin

WESTERN TESTING CO., INC.

Pressure Data

Date 6-21 Test Ticket No. 10991
 Recorder No. 1560 Capacity 4500 Location 4433 Ft.
 Clock No. _____ Elevation _____ Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2208</u> P.S.I.	Open Tool	<u>7:35 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>46</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>863</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>50</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>123</u> Mins.
F Second Final Flow Pressure	<u>68</u> P.S.I.			
G Final Closed-in Pressure	<u>895</u> P.S.I.			
H Final Hydrostatic Mud	<u>2157</u> P.S.I.			

PRESSURE BREAKDOWN.

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>41</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>68</u>
P 2	<u>5</u>	<u>3</u>	<u>324</u>	<u>5</u>	<u>50</u>	<u>3</u>	<u>382</u>
P 3	<u>10</u>	<u>6</u>	<u>505</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>538</u>
P 4	<u>15</u>	<u>9</u>	<u>617</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>633</u>
P 5	<u>20</u>	<u>12</u>	<u>696</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>698</u>
P 6	<u>25</u>	<u>15</u>	<u>743</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>741</u>
P 7	<u>30</u>	<u>18</u>	<u>782</u>	<u>30</u>	<u>59</u>	<u>18</u>	<u>773</u>
P 8	<u>35</u>	<u>21</u>	<u>811</u>	<u>35</u>	<u>60</u>	<u>21</u>	<u>800</u>
P 9	<u>40</u>	<u>24</u>	<u>831</u>	<u>40</u>	<u>62</u>	<u>24</u>	<u>818</u>
P10	<u>45</u>	<u>27</u>	<u>847</u>	<u>45</u>	<u>64</u>	<u>27</u>	<u>831</u>
P11	<u>50</u>	<u>30</u>	<u>858</u>	<u>50</u>	<u>66</u>	<u>30</u>	<u>842</u>
P12	<u>55</u>	<u>33</u>	<u>863</u>	<u>55</u>	<u>67</u>	<u>33</u>	<u>850</u>
P13	<u>60</u>	<u>36</u>		<u>60</u>	<u>68</u>	<u>36</u>	<u>858</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>864</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>869</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>872</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>874</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>877</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>881</u>
P20		<u>57</u>				<u>57</u>	<u>883</u>
		<u>60</u>				<u>60</u>	<u>883</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 10991

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	M _____	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Mins. _____
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mins. _____
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 _____	_____	63 _____	_____	_____	_____	63 _____	885
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	887
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	888
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	889
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	890
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	891
P 7 _____	_____	81 _____	_____	_____	_____	81 _____	892
P 8 _____	_____	84 _____	_____	_____	_____	84 _____	893
P 9 _____	_____	87 _____	_____	_____	_____	87 _____	893
P10 _____	_____	90 _____	_____	_____	_____	90 _____	894
P11 _____	_____	93 _____	_____	_____	_____	93 _____	_____
P12 _____	_____	96 _____	_____	_____	_____	96 _____	_____
P13 _____	_____	99 _____	_____	_____	_____	99 _____	_____
P14 _____	_____	102 _____	_____	_____	_____	102 _____	_____
P15 _____	_____	105 _____	_____	_____	_____	105 _____	894
P16 _____	_____	108 _____	_____	_____	_____	108 _____	_____
P17 _____	_____	111 _____	_____	_____	_____	111 _____	_____
P18 _____	_____	114 _____	_____	_____	_____	114 _____	_____
P19 _____	_____	117 _____	_____	_____	_____	117 _____	_____
P20 _____	_____	120 _____	_____	_____	_____	120 _____	894
						123 _____	895

Company Petroleum, Inc. Lease & Well No. Westerman #3-C
 Elevation ---- Formation Mississippi Effective Pay ---- Ft. Ticket No. 10991
 Date 6/21/81 Sec. 19 Twp. 30S Range 9W County Kingman State Kansas
 Test Approved by Ken Hamlin Western Representative Louis Spencer
 Formation Test No. 3 Interval Tested from 4430 ft. to 4445 ft. Total Depth 4445 ft.
 Packer Depth 4425 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4430 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4433 ft. Recorder Number 1560 Cap. 4500
 Bottom Recorder Depth (Outside) 4436 ft. Recorder Number 11019 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor DNB Drlg. Rig #3 Drill Collar Length 244 I. D. 2.25 in.
 Mud Type drispac Viscosity 43 Weight Pipe Length 4 I. D. - in.
 Weight 9.5 Water Loss 10 cc. Drill Pipe Length 4164 I. D. 3.8 in.
 Chlorides 7,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 1/2 in.
 Did Well Flow? --- Reversed Out --- Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 in.

Blow: Initial flow period strong blow. Final flow period gas to surface twenty minutes.

See attached sheet for gas measurements.

Recovered 60 ft. of heavy oil gas cut mud 25% oil;10% water;65% mud
 Recovered 60 ft. of heavy oil gas cut watery mud 25% oil;15% water;60% mud
 Recovered 60 ft. of very heavy oil gas cut watery mud 58% oil;20% water;22% mud
 Recovered 60 ft. of heavy oil and gas cut muddy water 15% oil;55% water;30% mud
 Recovered ft. of Chlorides 69,000 ppm

Remarks: _____

Time Set Packer(s) 7:35 A.M. Time Started Off Bottom 11:20 A.M. Maximum Temperature 128°
 Initial Hydrostatic Pressure (A) 2208 P.S.I.
 Initial Flow Period Minutes 15 (B) 46 P.S.I. to (C) 46 P.S.I.
 Initial Closed In Period Minutes 33 (D) 863 P.S.I.
 Final Flow Period Minutes 60 (E) 50 P.S.I. to (F) 68 P.S.I.
 Final Closed In Period Minutes 123 (G) 895 P.S.I.
 Final Hydrostatic Pressure (H) 2157 P.S.I.

GAS FLOW REPORT

Date 6/21/81 Ticket 10991 Company Petroleum, Inc.
 Well Name and No. Westerman #3-C Dst No. 3 Interval Tested 4443'-4445'
 County Kingman State Kansas Sec. 19 Twp. 30S Rg. 9W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						

Gas to surface twenty minutes.				SECOND FLOW		
20 min.	4.5 PSIG	1/4" orifice				19,500 CFPD
30 min.	5.0 PSIG	1/4" orifice				20,700 CFPD
40 min.	5.5 PSIG	1/4" orifice				21,800 CFPD
50 min.	6.0 PSIG	1/4" orifice				22,900 CFPD
60 min.	6.5 PSIG	1/4" orifice				23,900 CFPD

GAS BOTTLE

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

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

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

COMPANY'S NAME Petroleum, Inc.
Ken Hamlin
 Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 6/21/81 Test Ticket No. 10991
 Recorder No. 1560 Capacity 4500 Location 4433 Ft.
 Clock No. --- Elevation ----- Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2208	P.S.I.	7:35P	M
B First Initial Flow Pressure	46	P.S.I.	15	15
C First Final Flow Pressure	46	P.S.I.	30	33
D Initial Closed-in Pressure	863	P.S.I.	60	60
E Second Initial Flow Pressure	50	P.S.I.	120	123
F Second Final Flow Pressure	68	P.S.I.		
G Final Closed-in Pressure	895	P.S.I.		
H Final Hydrostatic Mud	2157	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>41</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>46</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>68</u>
P 2 <u>5</u>	<u>46</u>	<u>3</u>	<u>324</u>	<u>5</u>	<u>50</u>	<u>3</u>	<u>382</u>
P 3 <u>10</u>	<u>46</u>	<u>6</u>	<u>505</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>538</u>
P 4 <u>15</u>	<u>46</u>	<u>9</u>	<u>617</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>633</u>
P 5		<u>12</u>	<u>696</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>698</u>
P 6		<u>15</u>	<u>743</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>741</u>
P 7		<u>18</u>	<u>782</u>	<u>30</u>	<u>59</u>	<u>18</u>	<u>773</u>
P 8		<u>21</u>	<u>811</u>	<u>35</u>	<u>60</u>	<u>21</u>	<u>800</u>
P 9		<u>24</u>	<u>831</u>	<u>40</u>	<u>62</u>	<u>24</u>	<u>818</u>
P10		<u>27</u>	<u>847</u>	<u>45</u>	<u>64</u>	<u>27</u>	<u>831</u>
P11		<u>30</u>	<u>858</u>	<u>50</u>	<u>66</u>	<u>30</u>	<u>842</u>
P12		<u>33</u>	<u>863</u>	<u>55</u>	<u>67</u>	<u>33</u>	<u>850</u>
P13				<u>60</u>	<u>68</u>	<u>36</u>	<u>858</u>
P14						<u>39</u>	<u>864</u>
P15						<u>42</u>	<u>869</u>
P16						<u>45</u>	<u>872</u>
P17						<u>48</u>	<u>874</u>
P18						<u>51</u>	<u>877</u>
P19						<u>54</u>	<u>881</u>
P20						<u>57</u>	<u>883</u>
						<u>60</u>	<u>883</u>

Pressure Data

Clock No. --- Elevation ----- Well Temperature 120 °F

Time Given	Time Computed
7:35P	M
15 Mins.	15 Mins.
30 Mins.	33 Mins.
60 Mins.	60 Mins.
120 Mins.	123 Mins.

Final Shut-In
Breakdown: 41 Inc.
of 3 mins. and a
final inc. of 0 Min.

WTC - 4

560

TKT # 10991

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