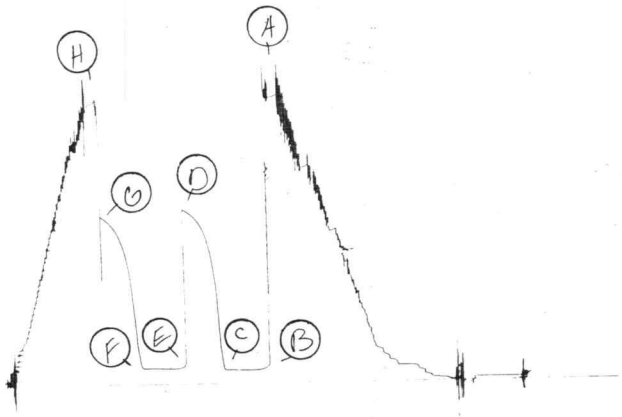


2607

TKT # 3441
I



Company Petroleum Energy, Inc. Lease & Well No. LeRoy #1
 Elevation 1774 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 3441
 Date 9/16/79 Sec. 27 Twp. 19S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 2851 ft. to 2875 ft. Total Depth 2875 ft.
 Packer Depth 2846 ft. Size 6 3/4 in. Packer Depth 2851 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2865 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 2868 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 390 I. D. 2.7 in.
 Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 18.0 cc. Drill Pipe Length 2440 I. D. 3.8 in.
 Chlorides 97,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 24 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: Very weak throughout first flow period. Very weak. Died in ten minutes on second opening.

Recovered 75 ft. of thin mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 3:38 ~~P.M.~~ A.M. Time Started Off Bottom 5:40 ~~P.M.~~ A.M. Maximum Temperature 102
 Initial Hydrostatic Pressure (A) 1559 P.S.I.
 Initial Flow Period Minutes 30 (B) 106 P.S.I. to (C) 76 P.S.I.
 Initial Closed In Period Minutes 30 (D) 950 P.S.I.
 Final Flow Period Minutes 30 (E) 105 P.S.I. to (F) 88 P.S.I.
 Final Closed In Period Minutes 30 (G) 923 P.S.I.
 Final Hydrostatic Pressure (H) 1548 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9-16-79 Test Ticket No. 3441
 Recorder No. 2607 Capacity 4150 Location 2865 Ft.
 Clock No. - Elevation 1774 Kelly Bushing Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1559 P.S.I.	Open Tool	3:38A. M	
B First Initial Flow Pressure	106 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	76 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	950 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	105 P.S.I.	Final Closed-in Pressure	30 Mins.	33 Mins.
F Second Final Flow Pressure	88 P.S.I.			
G Final Closed-in Pressure	923 P.S.I.			
H Final Hydrostatic Mud	1548 P.S.I.			

PRESSURE BREAKDOWN

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

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

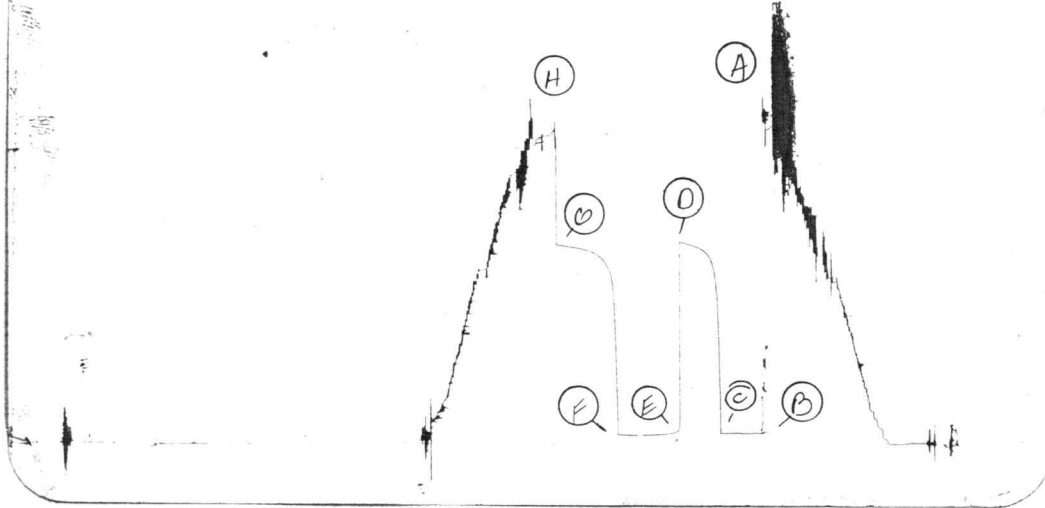
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 11 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	106	0	76	0	105	0	88
P 2 5	78	3	190	5	87	3	152
P 3 10	74	6	453	10	87	6	343
P 4 15	73	9	631	15	87	9	525
P 5 20	74	12	728	20	88	12	654
P 6 25	75	15	810	25	88	15	739
P 7 30	76	18	858	30	88	18	800
P 8		21	889			21	841
P 9		24	914			24	870
P10		27	933			27	891
P11		30	950			30	910
P12						33	923
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKL # 3442
I

637



Company Petroleum Energy, Inc. Lease & Well No. LeRoy #1
 Elevation 1774 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 3442
 Date 9/17/79 Sec. 27 Twp. 19S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 3029 ft. to 3058 ft. Total Depth 3058 ft.
 Packer Depth 3024 ft. Size 6 3/4 in. Packer Depth 3029 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set - -

Top Recorder Depth (Inside) 3048 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 3051 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 390 I. D. 2.7 in.
 Mud Type starch Viscosity 56 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 11.0 cc. Drill Pipe Length 2618 I. D. 3.8 in.
 Chlorides 95,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 29 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. Gas to surface in eight minutes. See attached sheet for gas measurements.

Recovered 45 ft. of gas cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 12:53 A.M. Time Started Off Bottom 3:25 A.M. Maximum Temperature 104
P.M. P.M.
 Initial Hydrostatic Pressure (A) 1479 P.S.I.
 Initial Flow Period Minutes 30 (B) 66 P.S.I. to (C) 66 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1105 P.S.I.
 Final Flow Period Minutes 45 (E) 80 P.S.I. to (F) 57 P.S.I.
 Final Closed In Period Minutes 45 (G) 1088 P.S.I.
 Final Hydrostatic Pressure (H) 1458 P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 9/17/79 Ticket 3442 Company Petroleum Energy, Inc.
Well Name and No. LeRoy #1 Dst No. 2 Interval Tested 3029'-3058'
County Barton State Kansas Sec. 27 Twp. 19S Rg. 11W

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 at 1:03AM PRE FLOW						
	7 min.	6.5 lbs.	1/2" orifice			90,100 CFPD
	17 min.	6 lbs.	1/2" orifice			86,300 CFPD
			TOOL CLOSED.			

Tool open 1:55AM SECOND FLOW						
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
	5 min.	6 lbs.	1/2" orifice			86,300 CFPD
	15 min.	5 lbs.	1/2" orifice			78,100 CFPD
	25 min.	5 lbs.	1/2" orifice			78,100 CFPD
	35 min.	5 lbs.	1/2" orifice			78,100 CFPD
	45 min.	5 lbs.	1/2" orifice			78,100 CFPD
			TOOL CLOSED.			

GAS BOTTLE

Serial No. 610 Date Bottle Filled 9/17/79 Date to be Invoiced 9/17/79

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 Petroleum Energy, Inc.
Authorized by Jim Musgrove

WESTERN TESTING CO., INC.
Pressure Data

Date 9-17-79

Test Ticket No. 3442

Recorder No. 2607 Capacity 4150

Location 3048 Ft.

Clock No. - Elevation 1774 Kelly Bushing

Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1479</u> P.S.I.	Open Tool	<u>12:53A.</u> M	
B. First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C. First Final Flow Pressure	<u>66</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D. Initial Closed-in Pressure	<u>1105</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E. Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F. Second Final Flow Pressure	<u>57</u> P.S.I.			
G. Final Closed-in Pressure	<u>1088</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1458</u> P.S.I.			

PRESSURE BREAKDOWN

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

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

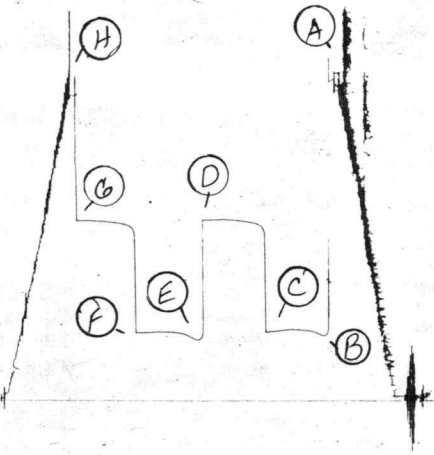
Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>66</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>57</u>
P 2 <u>5</u>	<u>68</u>	<u>3</u>	<u>637</u>	<u>5</u>	<u>65</u>	<u>3</u>	<u>668</u>
P 3 <u>10</u>	<u>64</u>	<u>6</u>	<u>896</u>	<u>10</u>	<u>59</u>	<u>6</u>	<u>916</u>
P 4 <u>15</u>	<u>65</u>	<u>9</u>	<u>998</u>	<u>15</u>	<u>58</u>	<u>9</u>	<u>973</u>
P 5 <u>20</u>	<u>66</u>	<u>12</u>	<u>1042</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>1004</u>
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>1061</u>	<u>25</u>	<u>55</u>	<u>15</u>	<u>1027</u>
P 7 <u>30</u>	<u>66</u>	<u>18</u>	<u>1075</u>	<u>30</u>	<u>54</u>	<u>18</u>	<u>1042</u>
P 8		<u>21</u>	<u>1084</u>	<u>35</u>	<u>53</u>	<u>21</u>	<u>1053</u>
P 9		<u>24</u>	<u>1092</u>	<u>40</u>	<u>55</u>	<u>24</u>	<u>1061</u>
P10		<u>27</u>	<u>1098</u>	<u>45</u>	<u>57</u>	<u>27</u>	<u>1067</u>
P11		<u>30</u>	<u>1105</u>			<u>30</u>	<u>1071</u>
P12						<u>33</u>	<u>1075</u>
P13						<u>36</u>	<u>1078</u>
P14						<u>39</u>	<u>1082</u>
P15						<u>42</u>	<u>1086</u>
P16						<u>45</u>	<u>1088</u>
P17							
P18							
P19							
0							

2607

TK4 # 3443
I



Company Petroleum Energy, Inc. Lease & Well No. LeRoy #1
 Elevation 1774 Kelly Bushing Formation Kansas City Effective Pay -- Ft. Ticket No. 3443
 Date 9/17/79 Sec. 27 Twp. 19S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 3 Interval Tested from 3058' ft. to 3080 ft. Total Depth 3080 ft.
 Packer Depth 3055 ft. Size 6 3/4 in. Packer Depth 3058 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3070 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 3073 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 390 I. D. 2.7 in.
 Mud Type starch Viscosity 47 Weight Pipe Length - I. D. - in.
 Weight 10.0 Water Loss 8.2 cc. Drill Pipe Length 2647 I. D. 3.8 in.
 Chlorides 78,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 22 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. Gas to surface in one minute. See attached sheet for gas measurements.

Recovered 60 ft. of slightly oil and gas cut mud
 Recovered 110 ft. of muddy froggy oil
 Recovered 10 ft. of clean gassy oil
 Recovered ft. of (38° gravity)
 Recovered ft. of

Remarks:

Time Set Packer(s) 12:38 ~~A.M.~~ P.M. Time Started Off Bottom 3:40 ~~A.M.~~ P.M. Maximum Temperature 105
 Initial Hydrostatic Pressure (A) 1756 P.S.I.
 Initial Flow Period Minutes 45 (B) 364 P.S.I. to (C) 371 P.S.I.
 Initial Closed In Period Minutes 45 (D) 983 P.S.I.
 Final Flow Period Minutes 45 (E) 341 P.S.I. to (F) 369 P.S.I.
 Final Closed In Period Minutes 45 (G) 980 P.S.I.
 Final Hydrostatic Pressure (H) 1754 P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 9/17/79 Ticket 3443 Company Petroleum Energy, Inc.
Well Name and No. LeRoy #1 Dst No. 3 Interval Tested 3058' - 3080'
County Barton State Kansas Sec. 27 Twp. 19S Rg. 11W

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 at 12:41 PM PRE FLOW						
	4 min.	5 lbs.	2" orifice			1,630,000 CFPD
	14 min.	7.5 lbs.	2" orifice			2,000,000 CFPD
	24 min.	7.5 lbs.	2" orifice			2,000,000 CFPD
	34 min.	7.5 lbs.	2" orifice			2,000,000 CFPD
	44 min.	7.5 lbs.	2" orifice			2,000,000 CFPD
SECOND FLOW						
Tool open 2:10 PM						
	5 min.	6.5 lbs.	2" orifice			1,860,000 CFPD
	15 min.	8 lbs.	2" orifice			2,060,000 CFPD
	25 min.	8 lbs.	2" orifice			2,060,000 CFPD
	35 min.	8 lbs.	2" orifice			2,060,000 CFPD
	45 min.	8 lbs.	2" orifice			2,060,000 CFPD

GAS BOTTLE

Serial No. 629 Date Bottle Filled 9/17/79 Date to be Invoiced 9/17/79

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 Petroleum Energy, Inc.

Authorized by Jim Musgrove

WESTERN TESTING CO., INC.

Pressure Data

Date 9-17-79

Test Ticket No. 3443

Recorder No. 2607 Capacity 4150 Location 3070 Ft.

Clock No. ----- Elevation 1774 Kelly Bushing Well Temperature 105 °F

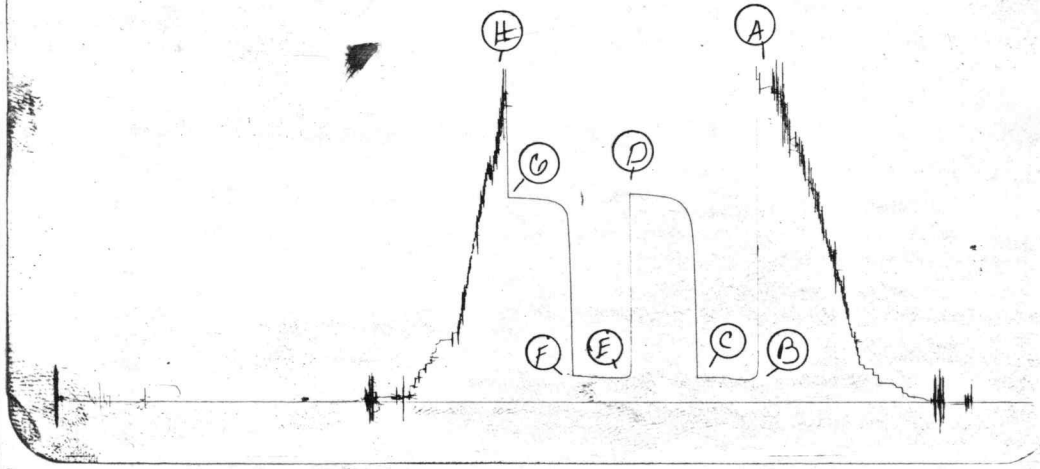
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1756</u> P.S.I.	<u>12:38</u> P M	
B First Initial Flow Pressure	<u>364</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>371</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>983</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>341</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>369</u> P.S.I.		
G Final Closed-in Pressure	<u>980</u> P.S.I.		
H Final Hydrostatic Mud	<u>1754</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>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>364</u>	<u>0</u>	<u>371</u>	<u>0</u>	<u>341</u>	<u>0</u>	<u>369</u>
P 2 <u>5</u>	<u>360</u>	<u>3</u>	<u>941</u>	<u>5</u>	<u>333</u>	<u>3</u>	<u>929</u>
P 3 <u>10</u>	<u>375</u>	<u>6</u>	<u>960</u>	<u>10</u>	<u>352</u>	<u>6</u>	<u>954</u>
P 4 <u>15</u>	<u>381</u>	<u>9</u>	<u>969</u>	<u>15</u>	<u>366</u>	<u>9</u>	<u>962</u>
P 5 <u>20</u>	<u>386</u>	<u>12</u>	<u>973</u>	<u>20</u>	<u>373</u>	<u>12</u>	<u>967</u>
P 6 <u>25</u>	<u>388</u>	<u>15</u>	<u>977</u>	<u>25</u>	<u>373</u>	<u>15</u>	<u>969</u>
P 7 <u>30</u>	<u>388</u>	<u>18</u>	<u>979</u>	<u>30</u>	<u>373</u>	<u>18</u>	<u>972</u>
P 8 <u>35</u>	<u>382</u>	<u>21</u>	<u>982</u>	<u>35</u>	<u>373</u>	<u>21</u>	<u>975</u>
P 9 <u>40</u>	<u>377</u>	<u>24</u>	<u>984</u>	<u>40</u>	<u>371</u>	<u>24</u>	<u>978</u>
P10 <u>45</u>	<u>371</u>	<u>27</u>	<u>986</u>	<u>45</u>	<u>369</u>	<u>27</u>	<u>980</u>
P11		<u>30</u>	<u>988</u>			<u>30</u>	<u>980</u>
P12		<u>33</u>	<u>988</u>			<u>33</u>	<u>980</u>
P13		<u>36</u>	<u>987</u>			<u>36</u>	<u>980</u>
P14		<u>39</u>	<u>985</u>			<u>39</u>	<u>980</u>
P15		<u>42</u>	<u>984</u>			<u>42</u>	<u>980</u>
P16		<u>45</u>	<u>983</u>			<u>45</u>	<u>980</u>
P17			<u>98</u>				
P18							
P19							
P20							

TKL# 3444
I

2607



Company Petroleum Energy, Inc. Lease & Well No. LeRoy #1
 Elevation 1774 Kelly Bush Formation Kansas City Effective Pay _____ Ft. Ticket No. 3444
 Date 9-18-79 Sec. 27 Twp. 19S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 4 Interval Tested from 3082 ft. to 3121 ft. Total Depth 3121 ft.
 Packer Depth 3077 ft. Size 6 3/4 in. Packer Depth 3082 ft. Size 6 3/4 in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3111 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 3114 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor White & Ellis Drlg. (#2) Drill Collar Length 390 I. D. 2.7 in.
 Mud Type Starch Viscosity 47 Weight Pipe Length _____ I. D. _____ in.
 Weight 10.0 Water Loss 8.2 cc. Drill Pipe Length 2671 I. D. 3.8 in.
 Chlorides 78,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make _____ Serial Number _____ Anchor Length 39 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 3 minutes, See attached sheet for gas measurements.

Recovered 60 ft. of oil cut mud
 Recovered 430 ft. of muddy gassy oil
 Recovered 210 ft. of clean gassy oil
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 4:43 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 108
 Initial Hydrostatic Pressure (A) 1752 P.S.I.
 Initial Flow Period Minutes 45 (B) 135 P.S.I. to (C) 134 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1131 P.S.I.
 Final Flow Period Minutes 45 (E) 142 P.S.I. to (F) 148 P.S.I.
 Final Closed In Period Minutes 45 (G) 1111 P.S.I.
 Final Hydrostatic Pressure (H) 1716 P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 9-18-79 Ticket 3444 Company Petroleum Energy, Inc.
Well Name and No. LeRoy #1 Dst No. 4 Interval Tested 3082' - 3121'
County Barton State Kansas Sec. 27 Twp. 19S Rg. 11W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
	7 min.	48" of water	1" orifice			179,000 C.F.P.D.
	17 min.	52" of water	1" orifice			186,000 C.F.P.D.
	27 min.	52" of water	1" orifice			186,000 C.F.P.D.
	37 min.	52" of water	1" orifice			186,000 C.F.P.D.

SECOND FLOW						
	5 Min.	74" of water	1" orifice			222,000 C.F.P.D.
	15 min.	64" of water	1" orifice			207,000 C.F.P.D.
	25 min.	58" of water	1" orifice			197,000 C.F.P.D.
	35 min.	56" of water	1" orifice			193,000 C.F.P.D.
	45 min.	54" of water	1" orifice			190,000 C.F.P.D.

GAS BOTTLE

Serial No. 602 Date Bottle Filled 9-18-79 Date to be Invoiced 9-18-79

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 Petroleum Energy, Inc.
Authorized by Jim Musgrove

WESTERN TESTING CO., INC.
Pressure Data

Date 9-18-79 Recorder No. 2607 Capacity 4150 Test Ticket No. 3444
 Clock No. - Elevation 1774 Kelly Bushing Location 3111 Ft. -
 Well Temperature 108 °F

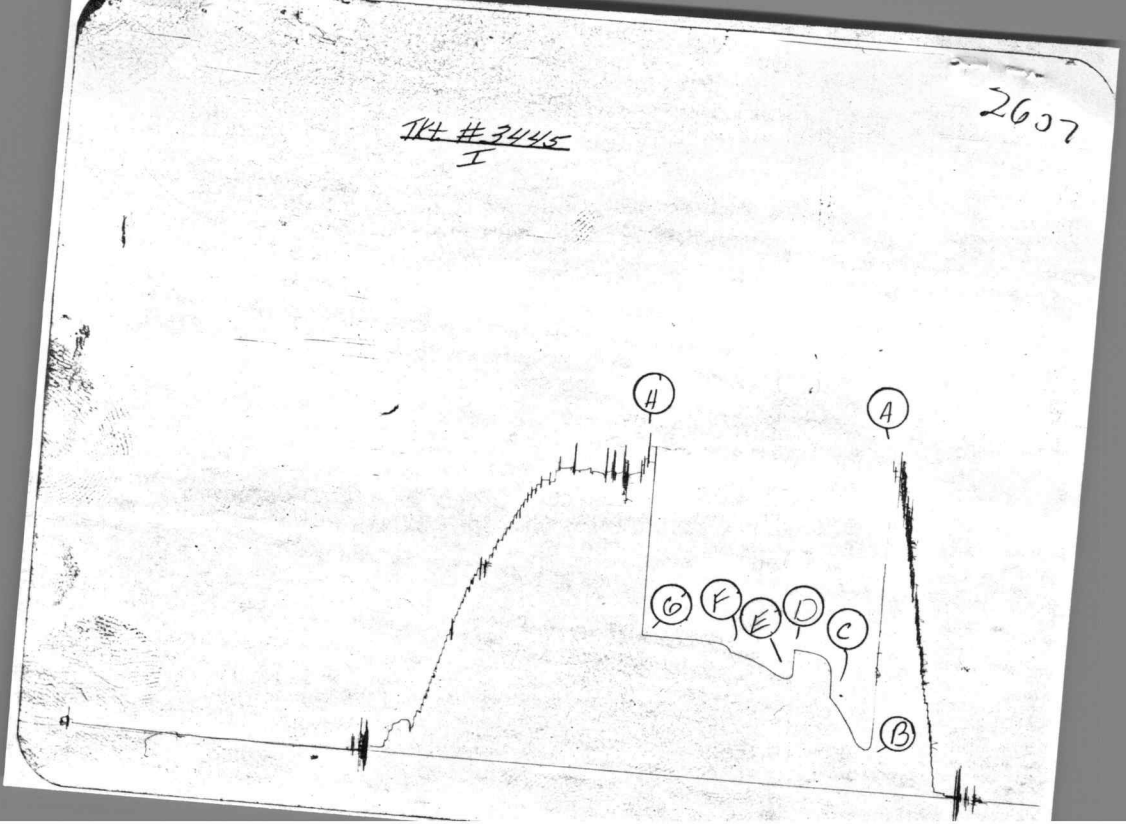
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1752	P.S.I.	4:43A.	M
B First Initial Flow Pressure	135	P.S.I.	45	45
C First Final Flow Pressure	134	P.S.I.	45	48
D Initial Closed-in Pressure	1131	P.S.I.	45	45
E Second Initial Flow Pressure	142	P.S.I.	45	48
F Second Final Flow Pressure	148	P.S.I.		
G Final Closed-in Pressure	1111	P.S.I.		
H Final Hydrostatic Mud	1716	P.S.I.		

PRESSURE BREAKDOWN

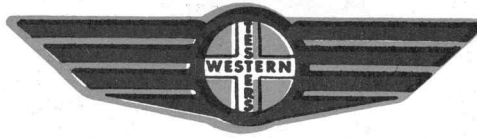
Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1	135	0	134	0
P 2	127	3	831	3
P 3	123	6	1006	6
P 4	124	9	156	9
P 5	131	12	1082	12
P 6	136	15	1096	15
P 7	136	18	1107	18
P 8	136	21	1111	21
P 9	136	24	1115	24
P 10	134	27	1119	27
P 11		30	1123	30
P 12		33	1125	33
P 13		36	1127	36
P 14		39	1128	39
P 15		42	1129	42
P 16		45	1130	45
P 17		48	1131	48
P 18				
P 19				
P 20				

TKT # 3445
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2607



Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 9/18/79 Ticket 3445 Company Petroleum Energy, Inc.
Well Name and No. LeRoy #1 Dst No. 5 Interval Tested 3123'-3137'
County Barton State Kansas Sec. 27 Twp. 19S Rg. 11W

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 4:44 PM PRE FLOW						
	6 min.	20" of water	3/4" orifice			63,500 CFPD
	16 min.	54" of water	1/2" orifice			46,100 CFPD
	26 min.	16" of water	1/2" orifice			25,100 CFPD
		TOOL CLOSED.				

Tool open 5:40 PM SECOND FLOW						
	5 min.	12" of water	1/4" orifice			5,860 CFPD
	15 min.	18" of water	1/4" orifice			7,120 CFPD
	25 min.	40" of water	1/4" orifice			10,600 CFPD
	35 min.	30" of water	1/4" orifice			9,200 CFPD
	45 min.	54" of water	1/4" orifice			12,300 CFPD
		CLIENT DID NOT WANT SAMPLE				

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 9/18/79

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 Petroleum Energy, Inc.

Authorized by Jim Musgrove

WESTERN TESTING CO., INC.
Pressure Data

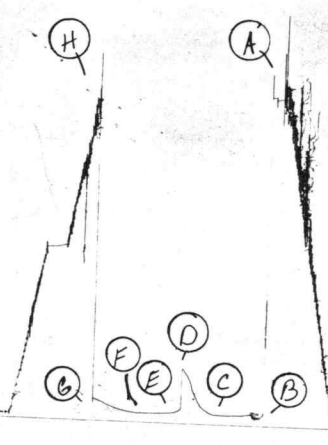
Date 9/18/79 Recorder No. 2607 Capacity 4150 Test Ticket No. 3445
 Clock No. -- Elevation 1774 Kelly Bushing Location 3127 Ft. Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	1723	P.S.I.	4:38P	M
B. First Initial Flow Pressure	233	P.S.I.	30	Mins. 35 Mins.
C. First Final Flow Pressure	500	P.S.I.	30	Mins. 30 Mins.
D. Initial Closed-in Pressure	739	P.S.I.	45	Mins. 45 Mins.
E. Second Initial Flow Pressure	587	P.S.I.	65	Mins. 63 Mins.
F. Second Final Flow Pressure	698	P.S.I.		
G. Final Closed-in Pressure	745	P.S.I.		
H. Final Hydrostatic Mud	1706	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	7		10		9		21	
	of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
	final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	233	0	500	0	587	0	698	
P 2 5	235	3	677	5	583	3	729	
P 3 10	256	6	706	10	594	6	737	
P 4 15	322	9	718	15	614	9	741	
P 5 20	381	12	725	20	637	12	743	
P 6 25	434	15	731	25	654	15	745	
P 7 30	479	18	733	30	668	18	745	
P 8 35	500	21	735	35	679	21	745	
P 9		24	737	40	687	24	745	
P10		27	738	45	698	27	745	
P11		30	739			30	745	
P12						33	745	
P13						36	745	
P14						39	745	
P15						42	745	
P16						45	745	
P17						48	745	
P18						51	745	
P19						54	745	
P20						57	745	
						60	745	
						63	745	

3446
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Company Petroleum Energy, Inc. Lease & Well No. LeRoy #1
 Elevation 1774 Kelly Bushing Kansas City Formation Kansas City Effective Pay -- Ft. Ticket No. 3446
 Date 9/19/79 Sec. 27 Twp. 19S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 6 Interval Tested from 3177 ft. to 3201 ft. Total Depth 3201 ft.
 Packer Depth 3172 ft. Size 6 3/4 in. Packer Depth 3177 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3191 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 3194 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 390 I. D. 2.7 in.
 Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 14.8 cc. Drill Pipe Length 2766 I. D. 3.8 in.
 Chlorides 72,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 24 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: Weak, slightly increased then decreased on first flow period. No blow on second opening.

Recovered 20 ft. of mud (no shows)
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 1:33 ~~A.M.~~ P.M. Time Started Off Bottom 3:35 ~~A.M.~~ P.M. Maximum Temperature 108
 Initial Hydrostatic Pressure 1784 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 54 P.S.I. to (C) 53 P.S.I.
 Initial Closed In Period 24 Minutes (D) 303 P.S.I.
 Final Flow Period 30 Minutes (E) 65 P.S.I. to (F) 49 P.S.I.
 Final Closed In Period 33 Minutes (G) 121 P.S.I.
 Final Hydrostatic Pressure 1748 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 9/19/79

Recorder No. 2607

Test Ticket No. 3446

Clock No. -- Capacity 4150

Location 3191 Ft.

Elevation 1774 Kelly Bushing Well Temperature 108 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>1784</u>	P.S.I.
B First Initial Flow Pressure	<u>54</u>	P.S.I.
C First Final Flow Pressure	<u>53</u>	P.S.I.
D Initial Closed-in Pressure	<u>303</u>	P.S.I.
E Second Initial Flow Pressure	<u>65</u>	P.S.I.
F Second Final Flow Pressure	<u>49</u>	P.S.I.
G Final Closed-in Pressure	<u>121</u>	P.S.I.
H Final Hydrostatic Mud	<u>1748</u>	P.S.I.

Open Tool
First Flow Pressure
Initial Closed-in Pressure
Second Flow Pressure
Final Closed-in Pressure

Time Given	Time Computed
<u>1:33P</u> M	
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>24</u> Mins.
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>33</u> Mins.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 8 Inc.
of 3 mins. and a
final inc. of 0 Min.

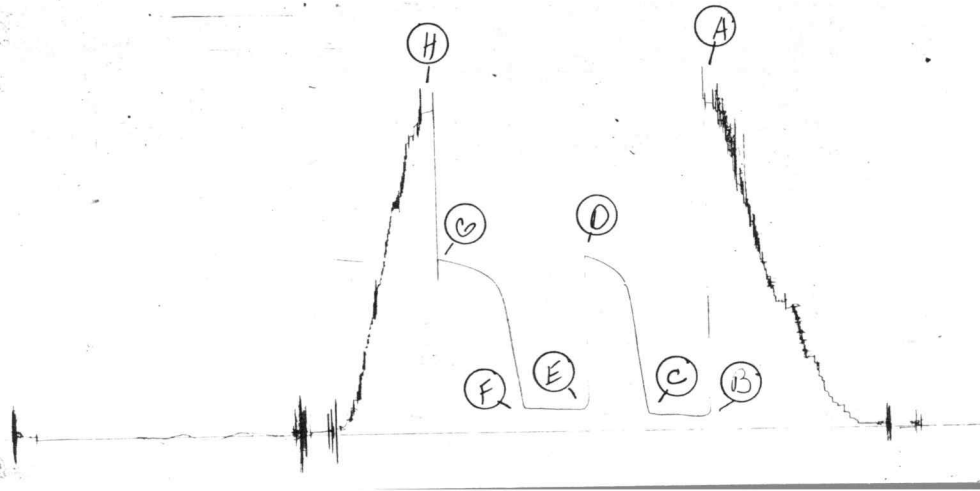
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 11 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>54</u>	<u>0</u>	<u>53</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>49</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>65</u>	<u>5</u>	<u>59</u>	<u>3</u>	<u>49</u>
P 3 <u>10</u>	<u>59</u>	<u>6</u>	<u>78</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>53</u>
P 4 <u>15</u>	<u>55</u>	<u>9</u>	<u>97</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>56</u>
P 5 <u>20</u>	<u>53</u>	<u>12</u>	<u>135</u>	<u>20</u>	<u>51</u>	<u>12</u>	<u>61</u>
P 6 <u>25</u>	<u>53</u>	<u>15</u>	<u>183</u>	<u>25</u>	<u>50</u>	<u>15</u>	<u>67</u>
P 7 <u>30</u>	<u>53</u>	<u>18</u>	<u>243</u>	<u>30</u>	<u>49</u>	<u>18</u>	<u>75</u>
P 8 _____	_____	<u>21</u>	<u>281</u>	_____	_____	<u>21</u>	<u>82</u>
P 9 _____	_____	<u>24</u>	<u>303</u>	_____	_____	<u>24</u>	<u>91</u>
P10 _____	_____	_____	_____	_____	_____	<u>27</u>	<u>103</u>
P11 _____	_____	_____	_____	_____	_____	<u>30</u>	<u>111</u>
P12 _____	_____	_____	_____	_____	_____	<u>33</u>	<u>121</u>
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TRK# 3447
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2807



Company Petroleum Energy, Inc. Lease & Well No. LeRoy #1
 Elevation 1774 Kelly Bushing Kansas City Formation --- Effective Pay --- Ft. Ticket No. 3447
 Date 9/20/79 Sec. 27 Twp. 19S Range 11W County Barton State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 7 Interval Tested from 3215 ft. to 3234 ft. Total Depth 3234 ft.
 Packer Depth 3210 ft. Size 6 3/4 in. Packer Depth 3215 ft. Size 6 3/4 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3224 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 3227 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Whie & Ellis Drilling Rig #2 Drill Collar Length 390 I. D. 2.7 in.
 Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 14.8 cc. Drill Pipe Length 2804 I. D. 3.8 in.
 Chlorides 72,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make --- Serial Number --- Anchor Length 19 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 throughout first flow period. Strong gas to surface in thirty minutes on second opening. Too little to gauge.

Recovered 100 ft. of heavy oil cut mud
 Recovered 60 ft. of muddy gassy oil
 Recovered 180 ft. of clean gassy oil
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: _____

Time Set Packer(s) 3:28 A.M. Time Started Off Bottom 6:30 A.M. Maximum Temperature 109
=P.M. P.M.
 Initial Hydrostatic Pressure (A) 1773 P.S.I.
 Initial Flow Period Minutes 45 (B) 78 P.S.I. to (C) 87 P.S.I.
 Initial Closed In Period Minutes 45 (D) 958 P.S.I.
 Final Flow Period Minutes 45 (E) 116 P.S.I. to (F) 127 P.S.I.
 Final Closed In Period Minutes 60 (G) 950 P.S.I.
 Final Hydrostatic Pressure (H) 1748 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9/20/79 Recorder No. 2607 Capacity 4150 Test Ticket No. 3447
 Location 3224 Ft. 109
 Clock No. -- Elevation 1774 Kelly Bushing Well Temperature °F

Point	Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1773 P.S.I.	Open Tool	3:28A	M
B	First Initial Flow Pressure	78 P.S.I.	First Flow Pressure	45	45
C	First Final Flow Pressure	87 P.S.I.	Initial Closed-in Pressure	45	45
D	Initial Closed-in Pressure	958 P.S.I.	Second Flow Pressure	45	45
E	Second Initial Flow Pressure	116 P.S.I.	Final Closed-in Pressure	45	60
F	Second Final Flow Pressure	127 P.S.I.			
G	Final Closed-in Pressure	950 P.S.I.			
H	Final Hydrostatic Mud	1748 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 9 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: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	78	0	87	0	116	0	127	0
P 2	72	5	193	3	116	5	231	3
P 3	73	10	349	6	116	10	362	6
P 4	78	15	523	9	116	15	496	9
P 5	80	20	689	12	116	20	635	12
P 6	80	25	789	15	130	25	741	15
P 7	80	30	833	18	134	30	795	18
P 8	80	35	860	21	137	35	827	21
P 9	84	40	883	24	137	40	847	24
P 10	87	45	898	27	137	45	864	27
P 11			912	30			879	30
P 12			923	33			887	33
P 13			933	36			898	36
P 14			941	39			907	39
P 15			950	42			915	42
P 16			958	45			922	45
P 17							928	48
P 18							934	51
P 19							940	54
P 20							945	57
							950	60