



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

N^o 16337

Elevation 160391 Formation Mud. Eff. Pay Ft.

District Pr-H Date 7-30-82 Customer Order No.

COMPANY NAME American Energies Corp.

ADDRESS 575 Fourth Financial Center Wichita, Ks. 67202

LEASE AND WELL NO. #1 Chain (A) COUNTY Barber STATE Ks. Sec. 18 Twp. 31 Rge. 11

Mail Invoice To #1 "A" CHAIN No. Copies Requested

Co. Name Address No. Copies Requested

Mail Charts To Address No. Copies Requested

Formation Test No. 1 Interval Tested From 4309 ft. to 4328 ft. Total Depth 4328 ft.

Packer Depth 4304 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4309 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4312 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4316 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor KAW Drill Collar Length I. D. in.

Mud Type Starch Viscosity 44 Weight Pipe Length 304 I. D. 3.2 in.

Weight 9.8 Water Loss 12.8 cc. Drill Pipe Length 3982' I. D. 3.8 in.

Chlorides 65,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 19 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 4 1/2 in.

Blow: STRONG 98 to Surface 8 min. F.P.P. See Attached Chart for gas measurements

Recovered 62' ft. of Dslg. mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 9:45 A.M. Time Pick Up Tool 1:30 P.M. Time Off Location P.M.

Time Set Packer(s) 3:15 P.M. Time Started Off Bottom 7:00 P.M. Maximum Temperature 117°

Initial Hydrostatic Pressure (A) 2264 P.S.I.

Initial Flow Period 30 Minutes (B) 43 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period 60 Minutes (D) 1452 P.S.I.

Final Flow Period 45 Minutes (E) 43 P.S.I. to (F) 32 P.S.I.

Final Closed In Period 90 Minutes (G) 1441 P.S.I.

Final Hydrostatic Pressure (H) 2297 P.S.I.

COMPANY TERMS

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

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

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

Western Representative Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test \$ 675.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$ 65.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 30 \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 740.00

N^o 3295

GAS FLOW REPORT

Date 7-30-82 Ticket 16337 Company American Energies Corp.
 Well Name and No. Chain 1-A Dst No. _____ Interval Tested 4309-4328
 County Barber State Ks. Sec. 18 Twp. 31 Rg. 11

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

	PSI	1/4			G-T-S 8 min.
10	2				12,700 CFD
15	4				18,500 "
20	5				20,700 "
30	7				25,000 "

SECOND FLOW

	PSI	1/4			
5	18				43,900 CFD
10	14				37,000 " 40,900 CFD
20	14				37,600 CFD
30	11				32,400 "
40	10				30,800 "
45	9				29,000 "

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 _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 7-30 Test Ticket No. 16337
 Recorder No. 1566 Capacity 4300 Location 4312 Ft.
 Clock No. --- Elevation 1603 Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2273</u> P.S.I.	<u>3:15</u> A	
B First Initial Flow Pressure	<u>27</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>35</u> P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>1458</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>34</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>34</u> P.S.I.		
G Final Closed-in Pressure	<u>1439</u> P.S.I.		
H Final Hydrostatic Mud	<u>2241</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 <u>0</u>	<u>27</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>34</u>
P 2 <u>5</u>	<u>5</u>	<u>3</u>	<u>307</u>	<u>5</u>	<u>/</u>	<u>3</u>	<u>276</u>
P 3 <u>10</u>	<u>5</u>	<u>6</u>	<u>524</u>	<u>10</u>	<u>/</u>	<u>6</u>	<u>426</u>
P 4 <u>15</u>	<u>27</u>	<u>9</u>	<u>695</u>	<u>15</u>	<u>/</u>	<u>9</u>	<u>562</u>
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>826</u>	<u>20</u>	<u>/</u>	<u>12</u>	<u>678</u>
P 6 <u>25</u>	<u>34</u>	<u>15</u>	<u>938</u>	<u>25</u>	<u>/</u>	<u>15</u>	<u>782</u>
P 7 <u>30</u>	<u>35</u>	<u>18</u>	<u>1034</u>	<u>30</u>	<u>/</u>	<u>18</u>	<u>867</u>
P 8 <u>35</u>		<u>21</u>	<u>1109</u>	<u>35</u>	<u>/</u>	<u>21</u>	<u>941</u>
P 9 <u>40</u>		<u>24</u>	<u>1169</u>	<u>40</u>	<u>/</u>	<u>24</u>	<u>1004</u>
P10 <u>45</u>		<u>27</u>	<u>1219</u>	<u>45</u>	<u>34</u>	<u>27</u>	<u>1056</u>
P11 <u>50</u>		<u>30</u>	<u>1261</u>	<u>50</u>		<u>30</u>	<u>1103</u>
P12 <u>55</u>		<u>33</u>	<u>1300</u>	<u>55</u>		<u>33</u>	<u>1142</u>
P13 <u>60</u>		<u>36</u>	<u>1331</u>	<u>60</u>		<u>36</u>	<u>1192</u>
P14		<u>39</u>	<u>1357</u>	<u>65</u>		<u>39</u>	<u>1213</u>
P15		<u>42</u>	<u>1382</u>	<u>70</u>		<u>42</u>	<u>1248</u>
P16		<u>45</u>	<u>1403</u>	<u>75</u>		<u>45</u>	<u>1279</u>
P17		<u>1 48 1.62</u>	<u>1422</u>	<u>80</u>		<u>48</u>	<u>1298</u>
P18		<u>2 51 1.58</u>	<u>1438</u>	<u>85</u>		<u>51</u>	<u>1314</u>
P19		<u>3 54 1.55</u>	<u>1453</u>	<u>90</u>		<u>54</u>	<u>1332</u>
P20		<u>4 57 1.52</u>	<u>1458</u>			<u>57</u>	<u>1345</u>
		<u>60</u>				<u>60</u>	<u>1358</u>

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WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 16331

Recorder No. _____ Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____

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. _____	Min _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Min _____
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Min _____
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Min _____
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

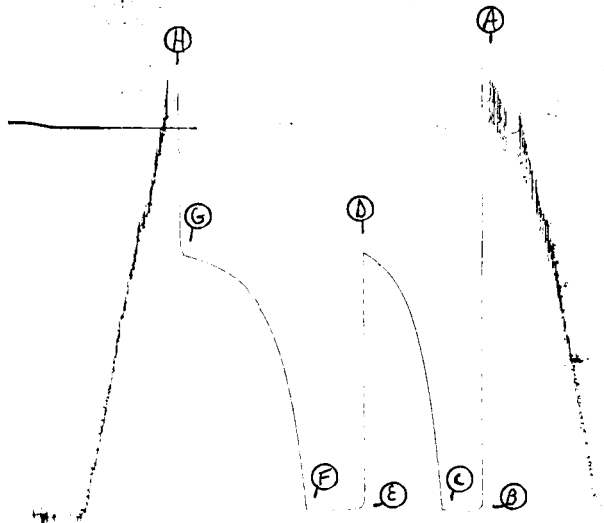
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ Inc. 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 _____		63 _____				63 _____	1369
P 2 _____		66 _____				66 _____	1379
P 3 _____		69 _____				69 _____	1389
P 4 _____		72 _____				72 _____	1399
P 5 _____		75 _____				75 _____	1408
P 6 _____		78 _____				1 78 1.50	1417
P 7 _____		81 _____				2 81 1.55	1425
P 8 _____		84 _____				3 84 1.53	1431
P 9 _____		87 _____				4 87 1.51	1437
P10 _____		90 _____				5 90 1.5	1439
P11 _____		93 _____				93 _____	
P12 _____		96 _____				96 _____	
P13 _____		99 _____				99 _____	
P14 _____		102 _____				102 _____	
P15 _____		105 _____				105 _____	
P16 _____		108 _____				108 _____	
P17 _____		111 _____				111 _____	
P18 _____		114 _____				114 _____	
P19 _____		117 _____				117 _____	
P20 _____		120 _____				120 _____	

1500

TKT # 16337

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Company American Energies Corporation Lease & Well No. #1 'A' Chain
Elevation 1603 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 16337
Date 7/30/82 Sec. 18 Twp. 31S Range 11W County Barber State Kansas
Test Approved by Jerry J Knobel Western Representative Mike Rogers

Formation Test No. 1 Interval Tested from 4309 ft. to 4328 ft. Total Depth 4328 ft.

Packer Depth 4304 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4309 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4312 ft. Recorder Number 1566 Cap 4300

Bottom Recorder Depth (Outside) 4316 ft. Recorder Number 3086 Cap 4500

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

Drilling Contractor KAW Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 44 Weight Pipe Length 304 I. D. 3.2 in.

Weight 9.8 Water Loss 12.8 cc. Drill Pipe Length 3982 I. D. 3.8 in.

Chlorides 65,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 19 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 4 1/2 in.

Blow: Strong. Gas to surface in 8 minutes on initial flow period

See attached sheet for gas measurements.

Recovered 62 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 3:15 A.M. Time Started Off Bottom 7:00 A.M. Maximum Temperature 117

Initial Hydrostatic Pressure - (A) 2273 P.S.I.

Initial Flow Period - Minutes 30 (B) 27 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period - Minutes 57 (D) 1458 P.S.I.

Final Flow Period - Minutes 45 (E) 34 P.S.I. to (F) 34 P.S.I.

Final Closed In Period - Minutes 90 (G) 1439 P.S.I.

Final Hydrostatic Pressure - (H) 2241 P.S.I.

GAS FLOW REPORT

Date 7/30/82 Ticket 16337 Company American Energies Corporation
 Well Name and No. #1 "A" Chain Dst No. 1 Interval Tested 4309-4328
 County Barber State Kansas Sec. 18 Twp. 31S 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 in 8 minutes. PRE FLOW						
	10 Min	2 PSIG	1/4" Orifice			12,700 C.F.P.D.
	15 Min	4 PSIG	1/4" Orifice			18,500 C.F.P.D.
	20 Min	5 PSIG	1/4" Orifice			20,700 C.F.P.D.
	30 Min	7 PSIG	1/4" Orifice			25,000 C.F.P.D.

SECOND FLOW

	5 Min	18 PSIG	1/4" Orifice			43,900 C.F.P.D.
	10 Min	16 PSIG	1/4" Orifice			40,900 C.F.P.D.
	20 Min	14 PSIG	1/4" Orifice			37,600 C.F.P.D.
	30 Min	11 PSIG	1/4" Orifice			32,400 C.F.P.D.
	40 Min	10 PSIG	1/4" Orifice			30,800 C.F.P.D.
	45 Min	9 PSIG	1/4" Orifice			29,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 7/30/82

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 American Energies Corporation

Authorized by Jerry J Knobel

WESTERN TESTING CO., INC.
Pressure Data

Date 7/30/82 Test Ticket No. 16337
Recorder No. 1566 Capacity 4300 Location 4312 Ft.
Clock No. - Elevation 1603 Ground Level Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2273</u> P.S.I.	Open Tool	<u>3:15A</u>	<u>M</u>
B First Initial Flow Pressure <u>27</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>35</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure <u>1458</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure <u>34</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure <u>34</u> P.S.I.			
G Final Closed-in Pressure <u>1439</u> P.S.I.			
H Final Hydrostatic Mud <u>2241</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>30</u> Inc. 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 <u>0</u>	<u>27</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>34</u>
P 2 <u>5</u>	<u>27</u>	<u>3</u>	<u>307</u>	<u>5</u>	<u>34</u>	<u>3</u>	<u>276</u>
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>524</u>	<u>10</u>	<u>34</u>	<u>6</u>	<u>426</u>
P 4 <u>15</u>	<u>27</u>	<u>9</u>	<u>695</u>	<u>15</u>	<u>34</u>	<u>9</u>	<u>562</u>
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>826</u>	<u>20</u>	<u>34</u>	<u>12</u>	<u>678</u>
P 6 <u>25</u>	<u>34</u>	<u>15</u>	<u>938</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>782</u>
P 7 <u>30</u>	<u>35</u>	<u>18</u>	<u>1034</u>	<u>30</u>	<u>34</u>	<u>18</u>	<u>867</u>
P 8		<u>21</u>	<u>1109</u>	<u>35</u>	<u>34</u>	<u>21</u>	<u>941</u>
P 9		<u>24</u>	<u>1169</u>	<u>40</u>	<u>34</u>	<u>24</u>	<u>1004</u>
P10		<u>27</u>	<u>1219</u>	<u>45</u>	<u>34</u>	<u>27</u>	<u>1056</u>
P11		<u>30</u>	<u>1261</u>			<u>30</u>	<u>1103</u>
P12		<u>33</u>	<u>1300</u>			<u>33</u>	<u>1142</u>
P13		<u>36</u>	<u>1331</u>			<u>36</u>	<u>1192</u>
P14		<u>39</u>	<u>1357</u>			<u>39</u>	<u>1213</u>
P15		<u>42</u>	<u>1382</u>			<u>42</u>	<u>1248</u>
P16		<u>45</u>	<u>1403</u>			<u>45</u>	<u>1279</u>
P17		<u>48</u>	<u>1422</u>			<u>48</u>	<u>1298</u>
P18		<u>51</u>	<u>1438</u>			<u>51</u>	<u>1314</u>
P19		<u>54</u>	<u>1453</u>			<u>54</u>	<u>1332</u>
P20		<u>57</u>	<u>1458</u>			<u>57</u>	<u>1345</u>
						<u>60</u>	<u>1358</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 7/30/82 Test Ticket No. 16337
 Recorder No. 1566 Capacity 4300 Location 4312 Ft.
 Clock No. - Elevation 1603 Ground Level Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2273</u>	P.S.I.	<u>3:15A</u>	<u>M</u>
B First Initial Flow Pressure	<u>27</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
C First Final Flow Pressure	<u>35</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
D Initial Closed-in Pressure	<u>1458</u>	P.S.I.	<u>45</u>	<u>Mins.</u>
E Second Initial Flow Pressure	<u>34</u>	P.S.I.	<u>90</u>	<u>Mins.</u>
F Second Final Flow Pressure	<u>34</u>	P.S.I.		
G Final Closed-in Pressure	<u>1439</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2241</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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	1369
P 2						66	1379
P 3						69	1389
P 4						72	1399
P 5						75	1408
P 6						78	1417
P 7						81	1425
P 8						84	1431
P 9						87	1437
P10						90	1439
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							