

Company Attica Gas Ventures Corporation, Inc. Lease & Well No. #1 Lichlyter/Brown
Elevation 1468 Ground Level Formation Stalneck Effective Pay -- Ft. Ticket No. 16329
Date 7/15/82 Sec. 24 Twp. 32S Range 9W County Harper State Kansas
Test Approved by Eldon J. Schierling Western Representative Mike Rogers
Formation Test No. 1 Interval Tested from 3708 ft. to 3726 ft. Total Depth 3726 ft.
Packer Depth 3703 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3708 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3711 ft. Recorder Number 1566 Cap. 4300
Bottom Recorder Depth (Outside) 3715 ft. Recorder Number 3086 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Drlg. Rig #6 Drill Collar Length 404 I. D. 2.2 in.
Mud Type starch Viscosity 52 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 14.4 cc. Drill Pipe Length 3274 I. D. 3.8 in.
Chlorides 27,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 18 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 two minutes into initial flow period. See attached sheet
for gas measurements.

Recovered ----- ft. of
Recovered ----- ft. of
Recovered ----- ft. of
Recovered ----- ft. of
Recovered ----- ft. of

Remarks: -----

Read bottom chart.

Time Set	Packer(s)	6:45	A.M.	Time Started Off Bottom	9:15	A.M.	Maximum Temperature	113°
Initial Hydrostatic Pressure	(A)	1956	P.S.I.					
Initial Flow Period	Minutes	30	(B)	1073	P.S.I. to (C)	1266	P.S.I.	
Initial Closed In Period	Minutes	42	(D)	1422	P.S.I.			
Final Flow Period	Minutes	30	(E)	1315	P.S.I. to (F)	1315	P.S.I.	
Final Closed In Period	Minutes	45	(G)	1420	P.S.I.			
Final Hydrostatic Pressure	(H)	1871	P.S.I.					

GAS FLOW REPORT

Date 7/15/82 Ticket 16329 Company Attica Gas Ventures Corporation, Inc.
 Well Name and No. Lichlyter/Brown #1 Dst No. 1 Interval Tested 3708'-3726'
 County Harper State Kansas Sec. 24 Twp. 32S Rg. 9W

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
PRE FLOW					
5 min.	130	2" Orifice			8,100,000 CFPD
10 min.	125	2" orifice			7,800,000 CFPD
15 min.	130	2" orifice			8,100,000 CFPD
20 min.	135	2" orifice			8,650,000 CFPD
30 min.	145	2" orifice			9,000,000 CFPD

SECOND FLOW					
5 min.		2" orifice			3,780,000 CFPD
10 min.		2" orifice			6,160,000 CFPD
20 min.		2" orifice			8,060,000 CFPD
25 min.		2" orifice			7,600,000 CFPD
30 min.		2" orifice			7,600,000 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled --- Date to be Invoiced 7/15/82

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 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 Attica Gas Ventures Corp., Inc.

Authorized by Eldon J. Schierling

WESTERN TESTING CO., INC.

Pressure Data

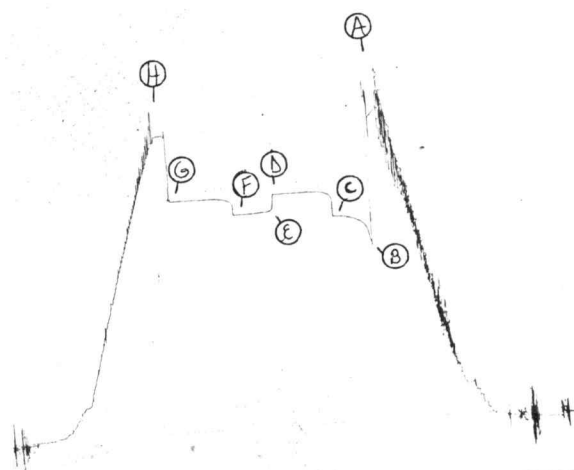
Date 7/15/82 Test Ticket No. 16329
 Recorder No. 3086 Capacity 4500 Location 3715 Ft.
 Clock No. -- Elevation 1468 Ground Level Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1956</u> P.S.I.	Open Tool	<u>6:45A</u>	<u>M</u>
B First Initial Flow Pressure	<u>1073</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>1266</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1422</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>1315</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins	<u>45</u> Mins.
F Second Final Flow Pressure	<u>1315</u> P.S.I.			
G Final Closed-in Pressure	<u>1420</u> P.S.I.			
H Final Hydrostatic Mud	<u>1871</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>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>15</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>1073</u>	<u>0</u>	<u>1266</u>	<u>0</u>	<u>1315</u>	<u>0</u>	<u>1315</u>
P 2 <u>5</u>	<u>1213</u>	<u>3</u>	<u>1414</u>	<u>5</u>	<u>1315</u>	<u>3</u>	<u>1406</u>
P 3 <u>10</u>	<u>1240</u>	<u>6</u>	<u>1416</u>	<u>10</u>	<u>1315</u>	<u>6</u>	<u>1409</u>
P 4 <u>15</u>	<u>1254</u>	<u>9</u>	<u>1418</u>	<u>15</u>	<u>1315</u>	<u>9</u>	<u>1412</u>
P 5 <u>20</u>	<u>1265</u>	<u>12</u>	<u>1420</u>	<u>20</u>	<u>1315</u>	<u>12</u>	<u>1415</u>
P 6 <u>25</u>	<u>1265</u>	<u>15</u>	<u>1422</u>	<u>25</u>	<u>1315</u>	<u>15</u>	<u>1417</u>
P 7 <u>30</u>	<u>1266</u>	<u>18</u>	<u>1422</u>	<u>30</u>	<u>1315</u>	<u>18</u>	<u>1418</u>
P 8		<u>21</u>	<u>1422</u>			<u>21</u>	<u>1419</u>
P 9		<u>24</u>	<u>1422</u>			<u>24</u>	<u>1420</u>
P10		<u>27</u>	<u>1422</u>			<u>27</u>	<u>1420</u>
P11		<u>30</u>	<u>1422</u>			<u>30</u>	<u>1420</u>
P12		<u>33</u>	<u>1422</u>			<u>33</u>	<u>1420</u>
P13		<u>36</u>	<u>1422</u>			<u>36</u>	<u>1420</u>
P14		<u>39</u>	<u>1422</u>			<u>39</u>	<u>1420</u>
P15		<u>42</u>	<u>1422</u>			<u>42</u>	<u>1420</u>
P16						<u>45</u>	<u>1420</u>
P17							
P18							
P19							
P20							

IRI # 16329
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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No. 16329

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

Elevation 146891 Formation Stalneck Eff. Pay OK Ft.

District

Date

Customer Order No.

COMPANY NAME Attica Gas Ventures Corp. Inc.

ADDRESS 123 N. Main Attica, Ks. 67009

LEASE AND WELL NO. Lecklyter & Brown #1 COUNTY Harper STATE Ks. Sec. 24 Twp. 32 Rge. 9

Mail Invoice To #1 LICKLYTER / BROWN

Co. Name

Address

No. Copies Requested

Mail Charts To

Address

No. Copies Requested

Formation Test No. 1 Interval Tested From 3708 ft. to 3726 ft. Total Depth 3726 ft.

Packer Depth 3703 ft. Size 6 5/8 in.

Packer Depth — ft. Size — in.

Packer Depth 3708 ft. Size 6 5/8 in.

Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3711 ft.

Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3715 ft.

Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth — ft.

Recorder Number — Cap. —

Drilling Contractor M-J C

Drill Collar Length 404' I. D. 2.2 in.

Mud Type Starch Viscosity 52

Weight Pipe Length — I. D. — in.

Weight 9.6 Water Loss 14.4 cc.

Drill Pipe Length 3274' I. D. 3.8 in.

Chlorides 27,000 P.P.M.

Test Tool Length 30' Tool Size 5 1/2 in.

Jars: Make UTC Serial Number 3660

Anchor Length 18' 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 2 min I.F.P.

See flow chart! Stab. @ 7,600,600 CFD

Attached sheet for gas measurements

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Remarks: Read Bottom Chart!

RECEIVED
JUL 19 1982

Time On Location 3:30 A.M.

Time Pick Up Tool 5:00 P.M.

Time Off Location 12:30 P.M.

Time Set Packer(s) 6:45 A.M.

Time Started Off Bottom 9:15 P.M.

Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 1946 P.S.I.

Initial Flow Period Minutes 30 (B) 1078 P.S.I. to (C) 1253 P.S.I.

Initial Closed In Period Minutes 45 (D) 1416 P.S.I.

Final Flow Period Minutes 30 (E) 1322 P.S.I. to (F) 1311 P.S.I.

Final Closed In Period Minutes 45 (G) 1416 P.S.I.

Final Hydrostatic Pressure (H) 1946 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

Mike Rogers Thank You!

FIELD INVOICE

Open Hole Test \$ 600.00
Misrun \$ —
Straddle Test \$ 300.00
Jars \$ 150.00
Selective Zone \$ 15.00
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage 50 \$ —
Fluid Sampler \$ —
Extra Charts \$ —



GAS FLOW REPORT

Nº 3290

Date 7-15-82 Ticket 16329 Company Attica Gas Ventures Corp. Inc.
 Well Name and No. Lecklyter & Brown #1 Dst No. 1 Interval Tested 3708-3726
 County Harper State Ko. Sec. 24 Twp. 32 Rg. 9

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					
05	130	2"			8,100,000 CFD
10	125				7,800,000 "
15	130				8,100,000 "
20	135				8,650,000 "
25	140				9,000,000 "
30	145				

SECOND FLOW

05		2"	25	3,780,000 CFD
10			50	6,160,000 "
20			70	8,060,000 "
25			65	7,600,000 "
30			65	" "
			65	" "

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

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 7-15-82 Test Ticket No. 16329
 Recorder No. 3086 Capacity 4500 Location 3715 Ft.
 Clock No. --- Elevation 1468 Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1956</u> P.S.I.	Open Tool	<u>6:45A</u> M	
B First Initial Flow Pressure	<u>1073</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>1266</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1422</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>1315</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>1315</u> P.S.I.			
G Final Closed-in Pressure	<u>1420</u> P.S.I.			
H Final Hydrostatic Mud	<u>1871</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>14</u> Inc.		Breakdown: <u>6</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>1073</u>	<u>0</u>	<u>1266</u>	<u>0</u>	<u>1315</u>	<u>0</u>	<u>1315</u>
P 2 <u>5</u>	<u>1213</u>	<u>3</u>	<u>1414</u>	<u>5</u>		<u>3</u>	<u>1406</u>
P 3 <u>10</u>	<u>1240</u>	<u>6</u>	<u>1416</u>	<u>10</u>		<u>6</u>	<u>1409</u>
P 4 <u>15</u>	<u>1254</u>	<u>9</u>	<u>1418</u>	<u>15</u>		<u>9</u>	<u>1412</u>
P 5 <u>20</u>	<u>1265</u>	<u>12</u>	<u>1420</u>	<u>20</u>		<u>12</u>	<u>1415</u>
P 6 <u>25</u>	<u>1265</u>	<u>15</u>	<u>1422</u>	<u>25</u>		<u>15</u>	<u>1417</u>
P 7 <u>30</u>	<u>1266</u>	<u>18</u>		<u>30</u>	<u>1315</u>	<u>18</u>	<u>1418</u>
P 8 <u>35</u>		<u>21</u>		<u>35</u>		<u>21</u>	<u>1419</u>
P 9 <u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	<u>1420</u>
P 10 <u>45</u>		<u>27</u>		<u>45</u>		<u>27</u>	<u>5</u>
P 11 <u>50</u>		<u>30</u>	<u>1422</u>	<u>50</u>		<u>30</u>	<u>1420</u>
P 12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P 13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P 14		<u>39</u>		<u>65</u>		<u>39</u>	
P 15		<u>42</u>	<u>1422</u>	<u>70</u>		<u>42</u>	
P 16		<u>45</u>		<u>75</u>		<u>45</u>	<u>1420</u>
P 17		<u>48</u>		<u>80</u>		<u>48</u>	
P 18		<u>51</u>		<u>85</u>		<u>51</u>	
P 19		<u>54</u>		<u>90</u>		<u>54</u>	
P 20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	