

Company Big "J" Production & Quadel Energy Corp. Lease & Well No. Viney #1
 Elevation N/A Formation L. Kansas City Effective Pay - Ft. Ticket No. 8501
 Date 11/4/80 Sec. 19 Twp. 28S Range 5W County Kingman State Kansas
 Test Approved by _____ Western Representative Dave Sloan
 Formation Test No. 1 Interval Tested from 3395 ft. to 3415 ft. Total Depth 3415 ft.
 Packer Depth 3390 ft. 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3395 ft. 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3400 ft. Recorder Number 2604 Cap. 4150
 Bottom Recorder Depth (Outside) 3412 ft. Recorder Number 6246 Cap. 5200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2.2 in.
 Mud Type gel Viscosity 34 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss N.C. cc. Drill Pipe Length 3195 I. D. 3.8 in.
 Chlorides 20,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number - Anchor Length 20 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 XH in.

Blow: Very weak throughout initial flow period. No blow final flow period.

Recovered 20 ft. of drilling mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: Flushed tool after fifteen minutes on final flow period; Few bubbles.

Time Set 11:30 A.M. Time Started Off Bottom 1:35 A.M. Maximum Temperature 110°
 Initial Hydrostatic Pressure (A) 1659 P.S.I.
 Initial Flow Period Minutes 15 (B) 45 P.S.I. to (C) 36 P.S.I.
 Initial Closed In Period Minutes 48 (D) 1219 P.S.I.
 Final Flow Period Minutes 20 (E) 76 P.S.I. to (F) 60 P.S.I.
 Final Closed In Period Minutes 51 (G) 1198 P.S.I.
 Final Hydrostatic Pressure (H) 1659 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11-4-80 Test Ticket No. 8501
 Recorder No. 2604 Capacity 4150 Location 3400 Ft.
 Clock No. - Elevation - Well Temperature 110 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1659 P.S.I.	11:30A	M
B First Initial Flow Pressure	45 P.S.I.	15 Mins.	15 Mins.
C First Final Flow Pressure	36 P.S.I.	45 Mins.	48 Mins.
D Initial Closed-in Pressure	1219 P.S.I.	20 Mins.	20 Mins.
E Second Initial Flow Pressure	76 P.S.I.	45 Mins.	51 Mins.
F Second Final Flow Pressure	60 P.S.I.		
G Final Closed-in Pressure	1198 P.S.I.		
H Final Hydrostatic Mud	1659 P.S.I.		

PRESSURE BREAKDOWN

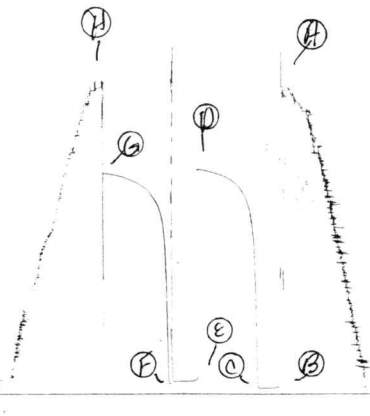
First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>4</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>17</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>45</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>560</u>	<u>5</u>	<u>73</u>	<u>3</u>	<u>544</u>
P 3 <u>10</u>	<u>36</u>	<u>6</u>	<u>908</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>905</u>
P 4 <u>15</u>	<u>36</u>	<u>9</u>	<u>1021</u>	<u>15</u>	<u>73</u>	<u>9</u>	<u>996</u>
P 5		<u>12</u>	<u>1073</u>	<u>20</u>	<u>60</u>	<u>12</u>	<u>1048</u>
P 6		<u>15</u>	<u>1109</u>			<u>15</u>	<u>1079</u>
P 7		<u>18</u>	<u>1136</u>			<u>18</u>	<u>1105</u>
P 8		<u>21</u>	<u>1157</u>			<u>21</u>	<u>1123</u>
P 9		<u>24</u>	<u>1169</u>			<u>24</u>	<u>1140</u>
P10		<u>27</u>	<u>1180</u>			<u>27</u>	<u>1148</u>
P11		<u>30</u>	<u>1189</u>			<u>30</u>	<u>1161</u>
P12		<u>33</u>	<u>1197</u>			<u>33</u>	<u>1168</u>
P13		<u>36</u>	<u>1203</u>			<u>36</u>	<u>1176</u>
P14		<u>39</u>	<u>1209</u>			<u>39</u>	<u>1184</u>
P15		<u>42</u>	<u>1212</u>			<u>42</u>	<u>1188</u>
P16		<u>45</u>	<u>1216</u>			<u>45</u>	<u>1193</u>
P17		<u>48</u>	<u>1219</u>			<u>48</u>	<u>1196</u>
P18						<u>51</u>	<u>1198</u>
P19							
P20							

2604

JK# 8501

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Big 5
Vincey #1
OST 1



Company Big "J" Production & Quadel Energy Corp. Lease & Well No. Viney #1
Elevation N/A Formation Kansas City Effective Pay - Ft. Ticket No. 8502
Date 11/5/80 Sec. 19 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by _____ Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 3422 ft. to 3450 ft. Total Depth 3450 ft.

Packer Depth 3417 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3422 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3435 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 3419 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2.2 in.

Mud Type gel Viscosity 41 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 15.2 cc. Drill Pipe Length 3222 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 28 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out - 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 XH in.

Moderate throughout both flow periods.

Blow: _____

Recovered 375 ft. of water Chlorides 120,000 ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 1:20 A.M. ==P.M. Time Started Off Bottom 4:05 A.M. ==P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure _____ (A) 1687 P.S.I.

Initial Flow Period _____ Minutes 20 (B) 66 P.S.I. to (C) 80 P.S.I.

Initial Closed In Period _____ Minutes 42 (D) 1321 P.S.I.

Final Flow Period _____ Minutes 60 (E) 172 P.S.I. to (F) 181 P.S.I.

Final Closed In Period _____ Minutes 48 (G) 1307 P.S.I.

Final Hydrostatic Pressure _____ (H) 1661 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/5/80 Test Ticket No. 8502
 Recorder No. 2604 Capacity 4150 Location 3435 Ft.
 Clock No. ----- Elevation ----- Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1687</u> P.S.I.	Open Tool	1:20A	M
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	15 Mins.	20 Mins.
C First Final Flow Pressure	<u>80</u> P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D Initial Closed-in Pressure	<u>1321</u> P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	<u>172</u> P.S.I.	Final Closed-in Pressure	45 Mins.	48 Mins.
F Second Final Flow Pressure	<u>181</u> P.S.I.			
G Final Closed-in Pressure	<u>1307</u> P.S.I.			
H Final Hydrostatic Mud	<u>1661</u> P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
 Breakdown: 14 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 16 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

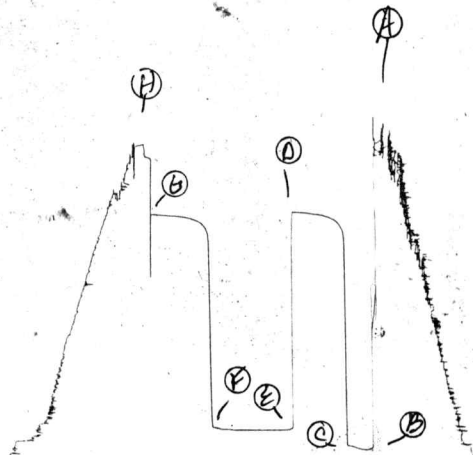
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>66</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>172</u>	<u>0</u>	<u>181</u>
P 2 <u>5</u>	<u>59</u>	<u>3</u>	<u>1098</u>	<u>5</u>	<u>166</u>	<u>3</u>	<u>686</u>
P 3 <u>10</u>	<u>63</u>	<u>6</u>	<u>1244</u>	<u>10</u>	<u>166</u>	<u>6</u>	<u>1209</u>
P 4 <u>15</u>	<u>74</u>	<u>9</u>	<u>1271</u>	<u>15</u>	<u>166</u>	<u>9</u>	<u>1246</u>
P 5 <u>20</u>	<u>80</u>	<u>12</u>	<u>1284</u>	<u>20</u>	<u>166</u>	<u>12</u>	<u>1267</u>
P 6		<u>15</u>	<u>1294</u>	<u>25</u>	<u>166</u>	<u>15</u>	<u>1275</u>
P 7		<u>18</u>	<u>1300</u>	<u>30</u>	<u>166</u>	<u>18</u>	<u>1284</u>
P 8		<u>21</u>	<u>1307</u>	<u>35</u>	<u>166</u>	<u>21</u>	<u>1288</u>
P 9		<u>24</u>	<u>1309</u>	<u>40</u>	<u>166</u>	<u>24</u>	<u>1294</u>
P10		<u>27</u>	<u>1312</u>	<u>45</u>	<u>167</u>	<u>27</u>	<u>1296</u>
P11		<u>30</u>	<u>1315</u>	<u>50</u>	<u>170</u>	<u>30</u>	<u>1298</u>
P12		<u>33</u>	<u>1317</u>	<u>55</u>	<u>174</u>	<u>33</u>	<u>1300</u>
P13		<u>36</u>	<u>1319</u>	<u>60</u>	<u>181</u>	<u>36</u>	<u>1302</u>
P14		<u>39</u>	<u>1320</u>			<u>39</u>	<u>1034</u>
P15		<u>42</u>	<u>1321</u>			<u>42</u>	<u>1305</u>
P16						<u>45</u>	<u>1307</u>
P17						<u>48</u>	<u>1307</u>
P18							
P19							
P20							

2604.

SKA # 8502

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Big 5
Vineyard
DSTR



Company Big "J" Production & Quadel Energy Corp. Lease & Well No. Viney #1

Elevation N/A Formation Kansas City Effective Pay - Ft. Ticket No. 8503

Date 11/5/80 Sec. 19 Twp. 28S Range 5W County Kingman State Kansas

Test Approved by _____ Western Representative Dave Sloan

Formation Test No. 3 Interval Tested from 3458 ft. to 3480 ft. Total Depth 3480 ft.

Packer Depth 3453 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3458 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3471 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 3477 ft. Recorder Number 6246 Cap. 5200

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

Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2.2 in.

Mud Type gel Viscosity 41 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 15.2 cc. Drill Pipe Length 3258 I. D. 3.8 in.

Chlorides 14,000 P.P.M. Test Tool Length 20 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? No Reversed Out Yes 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 XH in.

Strong throughout both flow periods.

Blow: _____

Recovered 2500 ft. of salt water Chlorides 120,000 ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 3:25 ~~AM~~ P.M. Time Started Off Bottom 6:10 ~~AM~~ P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure _____ (A) 1696 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 206 P.S.I. to (C) 542 P.S.I.

Initial Closed In Period _____ Minutes 48 (D) 1375 P.S.I.

Final Flow Period _____ Minutes 60 (E) 680 P.S.I. to (F) 1232 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 1361 P.S.I.

Final Hydrostatic Pressure _____ (H) 1678 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/5/80 Test Ticket No. 8503
 Recorder No. 2604 Capacity 4150 Location 3471 Ft.
 Clock No. - Elevation ----- Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1696	P.S.I.	3:25P	M
B First Initial Flow Pressure	206	P.S.I.	15	15
C First Final Flow Pressure	542	P.S.I.	45	48
D Initial Closed-in Pressure	1375	P.S.I.	60	60
E Second Initial Flow Pressure	680	P.S.I.	45	45
F Second Final Flow Pressure	1232	P.S.I.		
G Final Closed-in Pressure	1361	P.S.I.		
H Final Hydrostatic Mud	1678	P.S.I.		

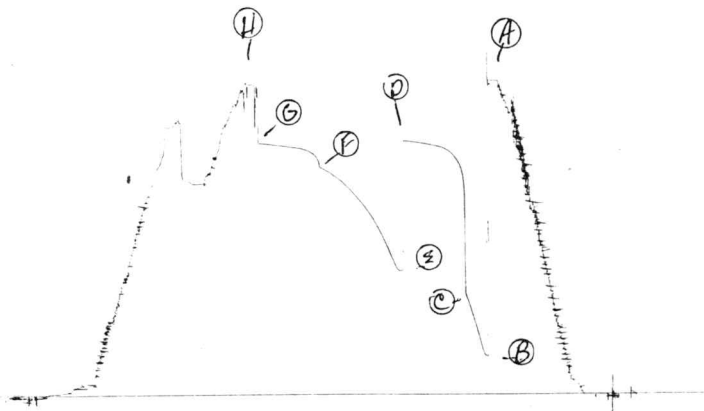
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>12</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>	206	<u>0</u>	542	<u>0</u>	680	<u>0</u>	1232
P 2 <u>5</u>	282	<u>3</u>	1157	<u>5</u>	696	<u>3</u>	1288
P 3 <u>10</u>	412	<u>6</u>	1234	<u>10</u>	776	<u>6</u>	1309
P 4 <u>15</u>	542	<u>9</u>	1270	<u>15</u>	853	<u>9</u>	1320
P 5		<u>12</u>	1303	<u>20</u>	922	<u>12</u>	1330
P 6		<u>15</u>	1321	<u>25</u>	983	<u>15</u>	1335
P 7		<u>18</u>	1334	<u>30</u>	1031	<u>18</u>	1338
P 8		<u>21</u>	1342	<u>35</u>	1084	<u>21</u>	1341
P 9		<u>24</u>	1349	<u>40</u>	1115	<u>24</u>	1345
P10		<u>27</u>	1353	<u>45</u>	1150	<u>27</u>	1348
P11		<u>30</u>	1357	<u>50</u>	1180	<u>30</u>	1351
P12		<u>33</u>	1361	<u>55</u>	1205	<u>33</u>	1353
P13		<u>36</u>	1365	<u>60</u>	1232	<u>36</u>	1355
P14		<u>39</u>	1369			<u>39</u>	1357
P15		<u>42</u>	1372			<u>42</u>	1359
P16		<u>45</u>	1374			<u>45</u>	1361
P17		<u>48</u>	1375				
P18							
P19							
P20							

2404

Big 5
Viney #1
DST 3

JK # 8503
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Company Big "J" Production & Quadel Energy Corp. Lease & Well No. Viney #1
Elevation ---- Formation Mississippi Effective Pay - Ft. Ticket No. 6886
Date 11/7/80 Sec. 19 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by B. Hubbell Western Representative Stuart Stover

Formation Test No. 4 Interval Tested from 3841 ft. to 3865 ft. Total Depth 3865 ft.

Packer Depth 3836 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3841 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3846 ft. Recorder Number 3086 Cap. 4500

Bottom Recorder Depth (Outside) 3849 ft. Recorder Number 1566 Cap. 4300

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

Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.

Mud Type chemical Viscosity 52 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 12.6 cc. Drill Pipe Length 3640 I. D. 4.0 in.

Chlorides 20,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.

Jars: Make - Serial Number - Anchor Length 24 ft. Size 4 1/2 in.

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

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

Blow: Strong blow. Gas to surface in three minutes. See attached sheet for gas measurements.

Recovered Gas stabilized at 319,000 CFPD ft. of

Recovered 60 ft. of oil specked and gas cut mud

Recovered 60 ft. of oil and gas cut mud 65% oil;5% water;30% mud

Recovered 180 ft. of heavy oil and gas cut mud 78% oil;10% water;12% mud

Remarks: _____

Time Set Packer(s) 5:10 ~~P.M.~~ A.M. Time Started Off Bottom 7:55 ~~P.M.~~ A.M. Maximum Temperature -

Initial Hydrostatic Pressure (A) 1868 P.S.I.

Initial Flow Period Minutes 15 (B) 118 P.S.I. to (C) 99 P.S.I.

Initial Closed In Period Minutes 42 (D) 959 P.S.I.

Final Flow Period Minutes 60 (E) 123 P.S.I. to (F) 114 P.S.I.

Final Closed In Period Minutes 42 (G) 951 P.S.I.

Final Hydrostatic Pressure (H) 1857 P.S.I.

GAS FLOW REPORT

Date 11/7/80 Ticket 6886 Company Big "J" Production & Quadel Energy Corporation
 Well Name and No. Viney #1 Dst No. 4 Interval Tested 3841'-3865'
 County Kingman State Kansas Sec. 19 Twp. 28S Rg. 5W

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						
	5 min.	2.0 PSIG		1" orifice		195,000 CFPD
	10 min.	3.0 PSIG		1" orifice		242,000 CFPD
	15 min.	4.0 PSIG		1" orifice		283,000 CFPD

SECOND FLOW						
	5 min.	6.5 PSIG		1" orifice		369,000 CFPD
	10 min.	6.0 PSIG		1" orifice		353,000 CFPD
	15 min.	5.5 PSIG		1" orifice		336,000 CFPD
	20 min.	5.5 PSIG		1" orifice		336,000 CFPD
	25 min.	5.0 PSIG		1" orifice		319,000 CFPD
	30 min.	5.0 PSIG		1" orifice		319,000 CFPD
	35 min.	5.0 PSIG		1" orifice		319,000 CFPD
	40 min.	5.0 PSIG		1" orifice		319,000 CFPD
	45 min.	5.0 PSIG		1" orifice		319,000 CFPD
	50 min.	5.0 PSIG		1" orifice		319,000 CFPD
	55 min.	5.0 PSIG		1" orifice		319,000 CFPD
	60 min.	5.0 PSIG		1" orifice		319,000 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled 11/7/80 Date to be Invoiced 11/7/80

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.

Big "J" Production &
 COMPANY'S NAME Quadel Energy Corporation
 Authorized by B. Hubbell

WESTERN TESTING CO., INC.

Pressure Data

Date 11-7-80 Test Ticket No. 6886
 Recorder No. 3086 Capacity 4500 Location 3846 Ft.
 Clock No. ----- Elevation ----- Well Temperature ----- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1868 P.S.I.	Open Tool	5:10 A M	
B First Initial Flow Pressure	118 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	99 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D Initial Closed-in Pressure	959 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	123 P.S.I.	Final Closed-in Pressure	45 Mins.	42 Mins.
F Second Final Flow Pressure	114 P.S.I.			
G Final Closed-in Pressure	951 P.S.I.			
H Final Hydrostatic Mud	1857 P.S.I.			

PRESSURE BREAKDOWN

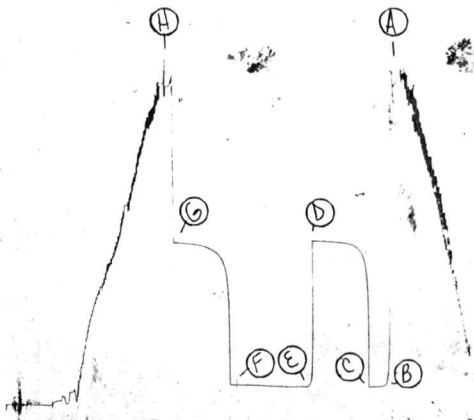
First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>14</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>14</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	0	118	0	99	0	123	0	114
P 2	5	102	3	781	5	102	3	667
P 3	10	99	6	881	10	102	6	821
P 4	15	99	9	914	15	101	9	867
P 5			12	932	20	102	12	895
P 6			15	942	25	104	15	911
P 7			18	946	30	104	18	921
P 8			21	949	35	108	21	930
P 9			24	951	40	110	24	935
P10			27	953	45	111	27	939
P11			30	955	50	112	30	943
P12			33	956	55	113	33	945
P13			36	957	60	114	36	947
P14			39	958			39	949
P15			42	959			42	951
P16								
P17								
P18								
P19								
P20								

TKT # 6886

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6886

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Big "J" Production & Viney #1
Company Quadel Energy Corporation Lease & Well No. ---
Elevation ----- Formation Mississippi Effective Pay --- Ft. Ticket No. 8557
Date 11/7/80 Sec. 19 Twp. 28S Range 5W County Kingman State Kansas
Test Approved by B. Hubbell Western Representative Stuart Stover

Formation Test No. 5 Interval Tested from 3868 ft. to 3880 ft. Total Depth 3880 ft.
Packer Depth 3863 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3868 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3873 ft. Recorder Number 11019 Cap. 4500
Bottom Recorder Depth (Outside) 3876 ft. Recorder Number 3086 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor H-30 Drlg. Rig #3 Drill Collar Length 180 I. D. 2 1/4 in.
Mud Type chemical Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 8.7 Water Loss 15.4 cc. Drill Pipe Length 3667 I. D. 4.0 in.
Chlorides 13,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make - Serial Number - Anchor Length 12 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow. Gas to surface in two minutes. See attached sheet for gas measurements.

Recovered 570 ft. of oil
Recovered 30 ft. of oil and gas cut water
Recovered 120 ft. of water
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 6:00 A.M. Time Started Off Bottom 8:45 A.M. Maximum Temperature -
Initial Hydrostatic Pressure 1880 P.S.I.
Initial Flow Period 15 Minutes (B) 161 P.S.I. to (C) 124 P.S.I.
Initial Closed In Period 45 Minutes (D) 946 P.S.I.
Final Flow Period 60 Minutes (E) 172 P.S.I. to (F) 258 P.S.I.
Final Closed In Period 48 Minutes (G) 864 P.S.I.
Final Hydrostatic Pressure 1878 P.S.I. (H)

GAS FLOW REPORT

Date 11/7/80 Ticket 8557 Company Big "J" Production & Quadel Energy Corporation
 Well Name and No. Viney #1 Dst No. 5 Interval Tested 3868'-3880'
 County Kingman State Kansas Sec. 19 Twp. 28S Rg. 5W

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
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Gas to surface in two minutes.

PRE FLOW

	5 min.	5.0 PSIG		1" orifice	319,000 CFPD
	10 min.	3.5 PSIG		1" orifice	263,000 CFPD
	15 min.	2.0 PSIG		1" orifice	195,000 CFPD

SECOND FLOW

	5 min.	11.0 PSIG		3/4" orifice	274,00 CFPD
	10 min.	5.0 PSIG		3/4" orifice	175,000 CFPD
	15 min.	2.5 PSIG		3/4" orifice	121,000 CFPD
	20 min.	1.5 PSIG		3/4" orifice	93,000 CFPD
	25 min.	1.0 PSIG		3/4" orifice	76,000 CFPD
	30 min.	9.0 PSIG		1/2" orifice	108,000 CFPD
	35 min.	7.0 PSIG		1/2" orifice	94,500 CFPD
	40 min.	6.0 PSIG		1/2" orifice	86,300 CFPD
	45 min.	5.5 PSIG		1/2" orifice	81,800 CFPD
	50 min.	5.0 PSIG		1/2" orifice	78,100 CFPD
	55 min.	4.5 PSIG		1/2" orifice	73,600 CFPD
	60 min.	4.0 PSIG		1/2" orifice	68,800 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled ---- Date to be Invoiced 11/7/80

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.

Big "J" Production &
 COMPANY'S NAME Quadel Energy Corporation

B. Hubbell

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

11/7/80

Date 11/7/80 Recorder No. 11019 Capacity 4500 Test Ticket No. 8557 Location 3873 Ft. ---

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

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1880 P.S.I.	Open Tool	6:00P M	
B First Initial Flow Pressure	161 P.S.I.	First Flow Pressure	15 Mins	15 Mins
C First Final Flow Pressure	124 P.S.I.	Initial Closed-in Pressure	45 Mins	45 Mins
D Initial Closed-in Pressure	946 P.S.I.	Second Flow Pressure	60 Mins	60 Mins
E Second Initial Flow Pressure	172 P.S.I.	Final Closed-in Pressure	45 Mins	48 Mins
F Second Final Flow Pressure	258 P.S.I.			
G Final Closed-in Pressure	864 P.S.I.			
H Final Hydrostatic Mud	1878 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>16</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>161</u>	<u>0</u>	<u>124</u>	<u>0</u>	<u>172</u>	<u>0</u>	<u>258</u>
P 2 <u>5</u>	<u>143</u>	<u>3</u>	<u>718</u>	<u>5</u>	<u>163</u>	<u>3</u>	<u>550</u>
P 3 <u>10</u>	<u>129</u>	<u>6</u>	<u>797</u>	<u>10</u>	<u>149</u>	<u>6</u>	<u>631</u>
P 4 <u>15</u>	<u>124</u>	<u>9</u>	<u>842</u>	<u>15</u>	<u>149</u>	<u>9</u>	<u>685</u>
P 5		<u>12</u>	<u>867</u>	<u>20</u>	<u>156</u>	<u>12</u>	<u>721</u>
P 6		<u>15</u>	<u>892</u>	<u>25</u>	<u>165</u>	<u>15</u>	<u>752</u>
P 7		<u>18</u>	<u>903</u>	<u>30</u>	<u>188</u>	<u>18</u>	<u>773</u>
P 8		<u>21</u>	<u>917</u>	<u>35</u>	<u>201</u>	<u>21</u>	<u>793</u>
P 9		<u>24</u>	<u>926</u>	<u>40</u>	<u>210</u>	<u>24</u>	<u>804</u>
P10		<u>27</u>	<u>930</u>	<u>45</u>	<u>222</u>	<u>27</u>	<u>815</u>
P11		<u>30</u>	<u>935</u>	<u>50</u>	<u>233</u>	<u>30</u>	<u>824</u>
P12		<u>33</u>	<u>938</u>	<u>55</u>	<u>247</u>	<u>33</u>	<u>835</u>
P13		<u>36</u>	<u>941</u>	<u>60</u>	<u>258</u>	<u>36</u>	<u>842</u>
P14		<u>39</u>	<u>944</u>			<u>39</u>	<u>849</u>
P15		<u>42</u>	<u>946</u>			<u>42</u>	<u>856</u>
P16		<u>45</u>	<u>946</u>			<u>45</u>	<u>860</u>
P17						<u>48</u>	<u>864</u>
P18							
P19							
P20							

11019-8557

TKT #8557

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