

Company Hy Energy Corporation Lease & Well No. Carpenter #1
 Elevation 1326 Kelly Bushing Mississippi Formation Effective Pay - Ft. Ticket No. 12790
 Date 12/14/81 Sec. 26 Twp. 19S Range 3E County Marion State Kansas
 Test Approved by ? Western Representative Kenny Kirkendall

Formation Test No. 1 Interval Tested from 2360 ft. to 2430 ft. Total Depth 2430 ft.
 Packer Depth 2360 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2355 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2364 ft. Recorder Number 2605 Cap. 4150
 Bottom Recorder Depth (Outside) 2368 ft. Recorder Number 10979 Cap. 4100
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Kansas Drilling Rig #1 Drill Collar Length 300 I. D. - in.
 Mud Type Chemical Viscosity - Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss 16.0 cc. Drill Pipe Length 3034 I. D. - in.
 Chlorides 1600 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 70 ft. Size 5 1/2 in.
 Did Well Flow? Gas 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: Good blow initial flow period. Good blow decreasing to fair final flow period.
Gas to surface in 65 minutes - not enough to guage.

Recovered 210 ft. of gassy drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:00 A.M. P.M. Time Started Off Bottom - A.M. P.M. Maximum Temperature 93
 Initial Hydrostatic Pressure 1130 (A) P.S.I.
 Initial Flow Period 30 Minutes (B) 48 P.S.I. to (C) 53 P.S.I.
 Initial Closed In Period 45 Minutes (D) 500 P.S.I.
 Final Flow Period 45 Minutes (E) 87 P.S.I. to (F) 87 P.S.I.
 Final Closed In Period 48 Minutes (G) 604 P.S.I.
 Final Hydrostatic Pressure 1130 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/14/81 Test Ticket No. 12790
 Recorder No. 2605 Capacity 4150 Location 2364 Ft.
 Clock No. - Elevation 1326 Kelly Bushing Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1130</u>	P.S.I.	<u>11:00</u>	<u>M</u>
B First Initial Flow Pressure	<u>48</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u>
C First Final Flow Pressure	<u>53</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u>
D Initial Closed-in Pressure	<u>500</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u>
E Second Initial Flow Pressure	<u>87</u>	P.S.I.	<u>45</u>	<u>Mins. 48</u>
F Second Final Flow Pressure	<u>87</u>	P.S.I.		
G Final Closed-in Pressure	<u>604</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1130</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</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	Press.	Point Minutes	Press.
P 1	<u>48</u>	<u>0</u>	<u>53</u>	<u>0</u>	<u>87</u>	<u>0</u>	<u>87</u>
P 2	<u>48</u>	<u>3</u>	<u>72</u>	<u>5</u>	<u>87</u>	<u>3</u>	<u>165</u>
P 3	<u>48</u>	<u>6</u>	<u>91</u>	<u>10</u>	<u>87</u>	<u>6</u>	<u>258</u>
P 4	<u>48</u>	<u>9</u>	<u>114</u>	<u>15</u>	<u>87</u>	<u>9</u>	<u>324</u>
P 5	<u>49</u>	<u>12</u>	<u>143</u>	<u>20</u>	<u>87</u>	<u>12</u>	<u>375</u>
P 6	<u>51</u>	<u>15</u>	<u>167</u>	<u>25</u>	<u>87</u>	<u>15</u>	<u>417</u>
P 7	<u>53</u>	<u>18</u>	<u>197</u>	<u>30</u>	<u>87</u>	<u>18</u>	<u>451</u>
P 8		<u>21</u>	<u>233</u>	<u>35</u>	<u>87</u>	<u>21</u>	<u>482</u>
P 9		<u>24</u>	<u>275</u>	<u>40</u>	<u>87</u>	<u>24</u>	<u>506</u>
P10		<u>27</u>	<u>320</u>	<u>45</u>	<u>87</u>	<u>27</u>	<u>526</u>
P11		<u>30</u>	<u>356</u>			<u>30</u>	<u>543</u>
P12		<u>33</u>	<u>394</u>			<u>33</u>	<u>560</u>
P13		<u>36</u>	<u>424</u>			<u>36</u>	<u>570</u>
P14		<u>39</u>	<u>451</u>			<u>39</u>	<u>580</u>
P15		<u>42</u>	<u>478</u>			<u>42</u>	<u>590</u>
P16		<u>45</u>	<u>500</u>			<u>45</u>	<u>599</u>
P17						<u>48</u>	<u>604</u>
P18							
P19							
P20							

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TKT # 12790

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