

Company Charlton Resources Corporation Lease & Well No. Howard #1
Elevation 1195 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 10431
Date 7/29/81 Sec. 9 Twp. 29S Range 4E County Butler State Kansas
Test Approved by W. W. Wakefield Western Representative Allen Edgington

Formation Test No. 2 Interval Tested from 2235 ft. to 2263 ft. Total Depth 2263 ft.
Packer Depth 2235 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 2229 ft. Recorder Number 5666 Cap. 3950
Bottom Recorder Depth (Outside) 2259 ft. Recorder Number 3354 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drlg. Rig #3 Drill Collar Length 183 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 42 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 8.8 cc. Drill Pipe Length 2034 I. D. 3.8 in.
Chlorides 1,600 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 in.
Jars: Make WTC Serial Number 407 Anchor Length 28 ft. Size 4 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 XH in.

Very weak for ten minutes.

Blow: _____
Recovered 10 ft. of drilling mud with very slight rainbow
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: REad outside chart

Time Set Packer(s) 6:00 A.M. Time Started Off Bottom 7:45 A.M. Maximum Temperature 98°
Initial Hydrostatic Pressure (A) 1124 P.S.I.
Initial Flow Period Minutes 15 (B) 30 P.S.I. to (C) 30 P.S.I.
Initial Closed In Period Minutes 27 (D) 848 P.S.I.
Final Flow Period Minutes 30 (E) 36 P.S.I. to (F) 36 P.S.I.
Final Closed In Period Minutes 30 (G) 812 P.S.I.
Final Hydrostatic Pressure (H) 1112 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/29/81

Recorder No. 3354

Capacity 4200

Test Ticket No. 10431

Location 2259

Clock No. - Elevation 1195 Kelly Bushing

Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1124	P.S.I.	6:00A	M
B First Initial Flow Pressure	30	P.S.I.	15	Mins. 15
C First Final Flow Pressure	30	P.S.I.	30	Mins. 27
D Initial Closed-in Pressure	848	P.S.I.	30	Mins. 30
E Second Initial Flow Pressure	36	P.S.I.	30	Mins. 30
F Second Final Flow Pressure	36	P.S.I.		
G Final Closed-in Pressure	812	P.S.I.		
H Final Hydrostatic Mud	1112	P.S.I.		

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 3 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 9 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: 10 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>30</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>36</u>
P 2 <u>5</u>	<u>30</u>	<u>3</u>	<u>369</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>241</u>
P 3 <u>10</u>	<u>30</u>	<u>6</u>	<u>618</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>498</u>
P 4 <u>15</u>	<u>30</u>	<u>9</u>	<u>703</u>	<u>15</u>	<u>36</u>	<u>9</u>	<u>629</u>
P 5		<u>12</u>	<u>753</u>	<u>20</u>	<u>36</u>	<u>12</u>	<u>700</u>
P 6		<u>15</u>	<u>787</u>	<u>25</u>	<u>36</u>	<u>15</u>	<u>736</u>
P 7		<u>18</u>	<u>812</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>764</u>
P 8		<u>21</u>	<u>829</u>			<u>21</u>	<u>783</u>
P 9		<u>24</u>	<u>840</u>			<u>24</u>	<u>797</u>
P10		<u>27</u>	<u>848</u>			<u>27</u>	<u>808</u>
P11		<u>30</u>				<u>30</u>	<u>812</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK# 10431

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3354

