

Company Zorger Petroleum Company Lease & Well No. #1 Bostetter
Elevation 2233 Kelly Bushing Formation Cherokee Sand Effective Pay --- Ft. Ticket No. 16938
Date 1/16/83 Sec. 8 Twp. 19S Range 20W County Rush State Kansas
Test Approved by Gerald Zorger Western Representative Dan Delaney

Formation Test No. 1 Interval Tested from 4260 ft. to 4268 ft. Total Depth 4268 ft.

Packer Depth 4260 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4255 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4245 ft. Recorder Number 10980 Cap. 4200

Bottom Recorder Depth (Outside) 4263 ft. Recorder Number 6077 Cap. 4700

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

Drilling Contractor Woodman - Iannitti Drlg. Rig #1 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 45 Weight Pipe Length 1177 I. D. 2.7 in.

Weight 9.9 Water Loss 5.6 cc. Drill Pipe Length 3078 I. D. 3.8 in.

Chlorides 39,000 P.P.M. Test Tool Length 25 ft. Tool Size 4-1/2 in.

Jars: Make - Serial Number - Anchor Length 8 ft. Size 5 1/2 OD in.

Did Well Flow? - 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.

Blow: Strong blow on initial flow period, pulled tool loose after seven minutes and set back on bottom for remainder of initial flow period.

Recovered 120 ft. of slightly muddy water

Recovered 600 ft. of salt water

Chlorides 67,000 ppm

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 9:00 A.M. Time Started Off Bottom 10:30 A.M. Maximum Temperature 121°

Initial Hydrostatic Pressure 2284 P.S.I.

Initial Flow Period 45 Minutes (B) 134 P.S.I. to (C) 360 P.S.I.

Initial Closed In Period 45 Minutes (D) 543 P.S.I.

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

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

Final Hydrostatic Pressure 2284 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 1/16/83 Recorder No. 10980 Capacity 4200 Test Ticket No. 16938
 Clock No. -- Elevation 2233 Kelly Bushing Location 4245 Ft. --
 Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2284	P.S.I.	9:00P	M
B First Initial Flow Pressure	134	P.S.I.	45	Mins. 45 Mins.
C First Final Flow Pressure	360	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	543	P.S.I.	--	Mins. -- Mins.
E Second Initial Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
F Second Final Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
G Final Closed-in Pressure	--	P.S.I.		
H Final Hydrostatic Mud	2284	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>---</u> Inc.		Breakdown: <u>--</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>	134	<u>0</u>	360				
P 2 <u>5</u>	147	<u>3</u>	497				
P 3 <u>10</u>	170	<u>6</u>	511				
P 4 <u>15</u>	193	<u>9</u>	519				
P 5 <u>20</u>	231	<u>12</u>	525				
P 6 <u>25</u>	261	<u>15</u>	528				
P 7 <u>30</u>	298	<u>18</u>	529				
P 8 <u>35</u>	324	<u>21</u>	531				
P 9 <u>40</u>	348	<u>24</u>	534				
P10 <u>45</u>	360	<u>27</u>	536				
P11		<u>30</u>	538				
P12		<u>33</u>	541				
P13		<u>36</u>	542				
P14		<u>39</u>	542				
P15		<u>42</u>	543				
P16		<u>45</u>	543				
P17							
P18							
P19							
P20							

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