

Company Reach Petroleum Corporation Lease & Well No. Hospital #1  
 Elevation 1824 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 15080  
 Date 12/21/81 Sec. 1 Twp. 33S Range 13W County Barber State Kansas  
 Test Approved by Martha Albright Western Representative Karl L. West, Jr.

Formation Test No. 1 Interval Tested from 4620 ft. to 4705 ft. Total Depth 4705 ft.  
 Packer Depth 4615 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4620 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4688 ft. Recorder Number 1051 Cap. 4250  
 Bottom Recorder Depth (Outside) 4691 ft. Recorder Number 15640 Cap. 6600  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Reach Drilling Rig #1 Drill Collar Length - I. D. 2.26 in.  
 Mud Type chem-monpac Viscosity 50 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length - I. D. 3.8 in.  
 Chlorides 20,000 P.P.M. Test Tool Length 2 ft. Tool Size 5 1/2 OD in.  
 Jars: Make No Serial Number - Anchor Length 62DP/23' per=85' 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: Losing fluid slowly.

Recovered 257 ft. of drilling mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

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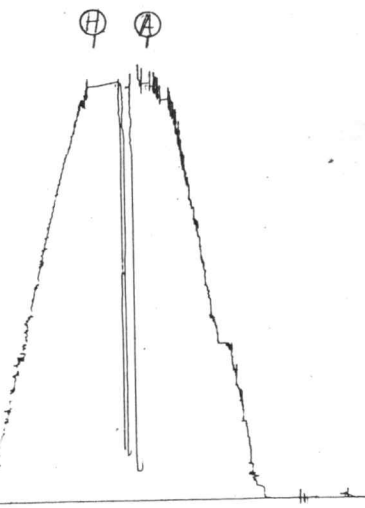
Remarks: Tried six time - slow loss of fluid - came out with 68,000 lbs. went through tool on walk found nothing wrong.

Time Set Packer(s) 4:40 ~~AM~~ P.M. Time Started Off Bottom 4:59 ~~AM~~ P.M. Maximum Temperature ?  
 Initial Hydrostatic Pressure (A) 2273 P.S.I.  
 Initial Flow Period (B) - Minutes P.S.I. to (C) - P.S.I.  
 Initial Closed In Period (D) - Minutes P.S.I.  
 Final Flow Period (E) - Minutes P.S.I. to (F) - P.S.I.  
 Final Closed In Period (G) - Minutes P.S.I.  
 Final Hydrostatic Pressure (H) 2273 P.S.I.

TKT # 15080

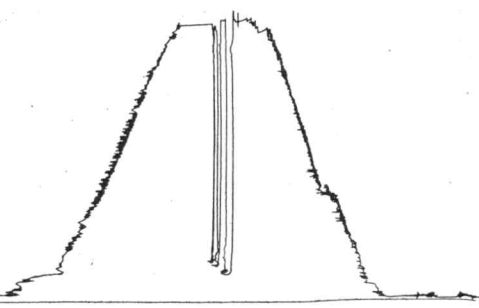
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Company Reach Petroleum Corporation Lease & Well No. Hospital #1  
 Elevation 1824 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 15081  
 Date 12/21/81 Sec. 1 Twp. 33S Range 13W County Barber State Kansas  
 Test Approved by Charley V. Shank Western Representative Karl L. West, Jr.

Formation Test No. 2 Interval Tested from 4617 ft. to 4705 ft. Total Depth 4705 ft.  
 Packer Depth 4610 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4617 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4686 ft. Recorder Number 1051 Cap 4250  
 Bottom Recorder Depth (Outside) 4689 ft. Recorder Number 15640 Cap 6600  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Reach Drilling Rig #1 Drill Collar Length 186 I. D. 2.26 in.  
 Mud Type chem-monpac Viscosity 50 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 4492 I. D. 3.8 in.  
 Chlorides 20,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.  
 Jars: Make No Serial Number - Anchor Length 62' DP / 26 Per = 88 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 X 1 1/2 in.

Blow: Initial flow period weak (3/8" under water) dead in twenty-six minutes. Final flow period very weak (surface of water) packers gave out in seven minutes.

Recovered 280 ft. of drilling mud slightly gas cut  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: Added two feet between packers. Losing fluid after seven minutes of final flow period; could not get fluid to hold; came out of hole after two tries to reset.

Time Set Packer(s)	<u>11:10</u> <del>A.M.</del> P.M.	Time Started Off Bottom	<u>2:10</u> <del>A.M.</del> P.M.	Maximum Temperature	<u>127°</u>
Initial Hydrostatic Pressure	(A)	<u>2273</u>	P.S.I.		
Initial Flow Period	Minutes <u>30</u>	(B)	<u>105</u>	P.S.I. to (C)	<u>105</u> P.S.I.
Initial Closed In Period	Minutes <u>60</u>	(D)	<u>883 *</u>	P.S.I.	
Final Flow Period	Minutes <u>5</u>	(E)	<u>152</u>	P.S.I. to (F)	<u>152</u> P.S.I.
Final Closed In Period	Minutes <u>--</u>	(G)	<u>--</u>	P.S.I.	
Final Hydrostatic Pressure	(H)	<u>2243</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 12/21/81 Recorder No. 1051 Capacity 4250 Test Ticket No. 15081  
 Location 4686 Ft. Clock No. - Elevation 1824 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2273</u>	P.S.I.	<u>11:10P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>105</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C. First Final Flow Pressure	<u>105</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
D. Initial Closed-in Pressure	<u>883 *</u>	P.S.I.	<u>7</u>	<u>5</u> Mins.
E. Second Initial Flow Pressure	<u>152</u>	P.S.I.	<u>--</u>	<u>--</u> Mins.
F. Second Final Flow Pressure	<u>152</u>	P.S.I.		
G. Final Closed-in Pressure	<u>--</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>2243</u>	P.S.I.		

Open Tool  
 First Flow Pressure  
 Initial Closed-in Pressure  
 Second Flow Pressure  
 Final Closed-in Pressure

\* PRESSURES QUESTIONABLE DUE TO LEAKING BY PACKERS.

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>6</u> mins. and a final inc. of <u>0</u> Min.		of <u>20</u> mins. and a final inc. of <u>0</u> Min.		of <u>1</u> mins. and a final inc. of <u>0</u> Min.		of <u>0</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>105</u>	<u>0</u>	<u>105</u>	<u>0</u>	<u>152</u>		
P 2	<u>5</u>	<u>105</u>	<u>3</u>	<u>105</u>	<u>5</u>	<u>152</u>		
P 3	<u>10</u>	<u>105</u>	<u>6</u>	<u>105</u>				
P 4	<u>15</u>	<u>105</u>	<u>9</u>	<u>105</u>				
P 5	<u>20</u>	<u>105</u>	<u>12</u>	<u>105</u>				
P 6	<u>25</u>	<u>105</u>	<u>15</u>	<u>106</u>				
P 7	<u>30</u>	<u>105</u>	<u>18</u>	<u>108</u>				
P 8			<u>21</u>	<u>110</u>				
P 9			<u>24</u>	<u>112</u>				
P10			<u>27</u>	<u>114</u>				
P11			<u>30</u>	<u>116</u>				
P12			<u>33</u>	<u>118</u>				
P13			<u>36</u>	<u>120</u>				
P14			<u>39</u>	<u>446 *</u>				
P15			<u>42</u>	<u>788 *</u>				
P16			<u>45</u>	<u>799 *</u>				
P17			<u>48</u>	<u>848 *</u>				
P18			<u>51</u>	<u>862 *</u>				
P19			<u>54</u>	<u>869 *</u>				
P20			<u>57</u>	<u>879 *</u>				
			<u>60</u>	<u>883 *</u>				

TKT # 15081

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