

Company Silver Creek Oil & Gas Lease & Well No. McClelland #1  
 Elevation 1307 Kelly Bushing Formation Simpson Sand Effective Pay - Ft. Ticket No. 13204  
 Date 3/ 13/82 Sec. 5 Twp. 29S Range 2E County Sedgwick State Kansas  
 Test Approved by W. G. Osoba Jr. Western Representative Robert Davis

Formation Test No. 2 Interval Tested from 3459 ft. to 3480 ft. Total Depth 3480 ft.  
 Packer Depth 3459 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3454 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3464 ft. Recorder Number 13268 Cap. 4225  
 Bottom Recorder Depth (Outside) 3468 ft. Recorder Number 1049 Cap. 4250  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Landmark Drlg. Rig #2 Drill Collar Length 289 I. D. - in.  
 Mud Type chemical Viscosity 44 Weight Pipe Length - I. D. - in.  
 Weight 9.6 Water Loss 9.6 cc. Drill Pipe Length 3141 I. D. - in.  
 Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 21 ft. Size 5 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 IF in.

Blow: Weak blow; died ten minutes into initial flow period. No blow on final flow period.

Recovered 5 ft. of oil spotted drilling mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks:    

Time Set Packer(s) 6:25 A.M. P.M. Time Started Off Bottom 8:55 A.M. P.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure 1764 P.S.I. (A)  
 Initial Flow Period 30 Minutes (B) 30 P.S.I. to (C) 30 P.S.I.  
 Initial Closed In Period 33 Minutes (D) 1015 P.S.I.  
 Final Flow Period 30 Minutes (E) 43 P.S.I. to (F) 43 P.S.I.  
 Final Closed In Period 69 Minutes (G) 1178 P.S.I.  
 Final Hydrostatic Pressure 1711 P.S.I. (H)

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3/13/82 Test Ticket No. 13204  
 Recorder No. 13268 Capacity 4225 Location 3464 Ft.  
 Clock No. -- Elevation 1307 Kelly Bushing Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
			M	M
A. Initial Hydrostatic Mud	<u>1764</u>	P.S.I.	6:25A	
B. First Initial Flow Pressure	<u>30</u>	P.S.I.	30	30
C. First Final Flow Pressure	<u>30</u>	P.S.I.	30	33
D. Initial Closed-in Pressure	<u>1015</u>	P.S.I.	30	30
E. Second Initial Flow Pressure	<u>43</u>	P.S.I.	60	69
F. Second Final Flow Pressure	<u>43</u>	P.S.I.		
G. Final Closed-in Pressure	<u>1178</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>1711</u>	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 11 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

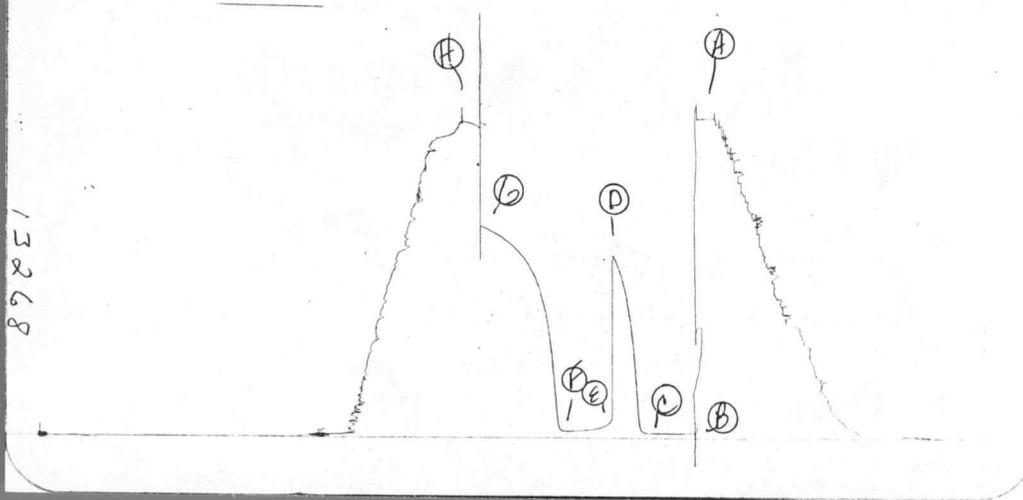
**Second Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 23 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>0</u>	<u>30</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>43</u>
P 2	<u>5</u>	<u>3</u>	<u>30</u>	<u>31</u>	<u>5</u>	<u>3</u>	<u>43</u>
P 3	<u>10</u>	<u>6</u>	<u>30</u>	<u>33</u>	<u>10</u>	<u>6</u>	<u>46</u>
P 4	<u>15</u>	<u>9</u>	<u>30</u>	<u>44</u>	<u>15</u>	<u>9</u>	<u>63</u>
P 5	<u>20</u>	<u>12</u>	<u>30</u>	<u>194</u>	<u>20</u>	<u>12</u>	<u>252</u>
P 6	<u>25</u>	<u>15</u>	<u>30</u>	<u>432</u>	<u>25</u>	<u>15</u>	<u>466</u>
P 7	<u>30</u>	<u>18</u>	<u>30</u>	<u>628</u>	<u>30</u>	<u>18</u>	<u>615</u>
P 8		<u>21</u>		<u>768</u>		<u>21</u>	<u>732</u>
P 9		<u>24</u>		<u>860</u>		<u>24</u>	<u>820</u>
P10		<u>27</u>		<u>934</u>		<u>27</u>	<u>887</u>
P11		<u>30</u>		<u>994</u>		<u>30</u>	<u>930</u>
P12		<u>33</u>		<u>1015</u>		<u>33</u>	<u>972</u>
P13						<u>36</u>	<u>1006</u>
P14						<u>39</u>	<u>1032</u>
P15						<u>42</u>	<u>1056</u>
P16						<u>45</u>	<u>1078</u>
P17						<u>48</u>	<u>1096</u>
P18						<u>51</u>	<u>1114</u>
P19						<u>54</u>	<u>1128</u>
P20						<u>57</u>	<u>1141</u>
						<u>60</u>	<u>1150</u>
						<u>63</u>	<u>1164</u>
						<u>66</u>	<u>1173</u>
						<u>69</u>	<u>1178</u>

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Company Silver Creek Oil & Gas Lease & Well No. McClelland #1  
 Elevation 1307 Kelly Bushing Formation Simpson Sand Effective Pay - Ft. Ticket No. 13203  
 Date 3/12/82 Sec. 5 Twp. 29S Range 2E County Sedgwick State Kansas  
 Test Approved by W. G. Osoba Jr. Western Representative Robert Davis

Formation Test No. 1 Interval Tested from 3457 ft. to 3471 ft. Total Depth 3471 ft.  
 Packer Depth 3457 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3452 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3462 ft. Recorder Number 13268 Cap. 4225  
 Bottom Recorder Depth (Outside) 3466 ft. Recorder Number 1049 Cap. 4250  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Landmark Drlg. Rig #2 Drill Collar Length 298 I. D. - in.  
 Mud Type chemical Viscosity 44 Weight Pipe Length - I. D. - in.  
 Weight 9.6 Water Loss 9.6 cc. Drill Pipe Length 3139 I. D. - in.  
 Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 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 IF in.

Blow: Weak; died on initial flow period; no blow final flow period; flushed tool five minutes into second flow.

Recovered 2 ft. of mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Five feet of fill in bottom of hole.

Time Set Packer(s) 5:25 A.M. P.M. Time Started Off Bottom 7:25 A.M. P.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure ..... (A) 1785 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 49 P.S.I. to (C) 49 P.S.I.  
 Initial Closed In Period ..... Minutes 27 (D) 80 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 71 P.S.I. to (F) 45 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 126 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1774 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3/12/82 Test Ticket No. 13203  
 Recorder No. 13268 Capacity 4225 Location 3462 Ft.  
 Clock No. -- Elevation 1307 Kelly Bushing Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1785	P.S.I.	5:25P	M
B First Initial Flow Pressure	49	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	49	P.S.I.	30	Mins. 27 Mins.
D Initial Closed-in Pressure	80	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	71	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	45	P.S.I.		
G Final Closed-in Pressure	126	P.S.I.		
H Final Hydrostatic Mud	1774	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 6 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 0	49	0	49	0	71	0	45
P 2 5	49	3	49	5	FLUSHED TOOL	3	45
P 3 10	49	6	49	10	48	6	45
P 4 15	49	9	49	15	46	9	46
P 5 20	49	12	50	20	45	12	46
P 6 25	49	15	51	25	45	15	46
P 7 30	49	18	54	30	45	18	48
P 8		21	61			21	50
P 9		24	68			24	56
P10		27	80			27	80
P11						30	126
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

SK # 13203

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