



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Company Sanders Oil Company Lease & Well No. Elsa #1
Elevation 1892 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 1071
Date 6/29/78 Sec. 27 Twp. 32S Range 14W County Barber State Kansas
Test Approved by Lawrence F. Gray Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4650 ft. to 4685 ft. Total Depth 4685' ft.

Packer Depth 4645 ft. Size 6 3/4 in. Packer Depth 4650 ft. Size 6 3/4 in.

Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4653 ft. Recorder Number 2604 Cap. 4150

Bottom Recorder Depth (Outside) 4656 ft. Recorder Number 2606 Cap. 4150

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

Drilling Contractor Search Drilling Company Drill Collar Length ----- I. D. ----- in.

Mud Type drispac Viscosity 43 Weight Pipe Length -- I. D. -- in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 4629 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make No Serial Number ----- Anchor Length 35 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.

Blow: Very weak to no blow throughout test.

Recovered 15 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Flushed tool on final flow period.. No change in blow.

Time Set Packer(s) 10:50 A.M. ~~P.M.~~ Time Started Off Bottom 12:20 A.M. ~~P.M.~~ Maximum Temperature 128

Initial Hydrostatic Pressure (A) 2345 P.S.I.

Initial Flow Period Minutes 30 (B) 57 P.S.I. to (C) 17 P.S.I.

Initial Closed In Period Minutes 30 (D) 17 P.S.I.

Final Flow Period Flushed tool Minutes (E) 17 P.S.I. to (F) 30 P.S.I.

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

Final Hydrostatic Pressure (H) 2293 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/29/78 Test Ticket No. 1071
 Recorder No. 2604 Capacity 4150 Location 4653 Ft.
 Clock No. ----- Elevation 1892 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2345 P.S.I.	Open Tool	10:50A	M
B First Initial Flow Pressure	57 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	17 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	17 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	17 P.S.I.	Final Closed-in Pressure	-- Mins.	-- Mins.
F Second Final Flow Pressure	30 P.S.I.			
G Final Closed-in Pressure	Not taken P.S.I.			
H Final Hydrostatic Mud	2293 P.S.I.			

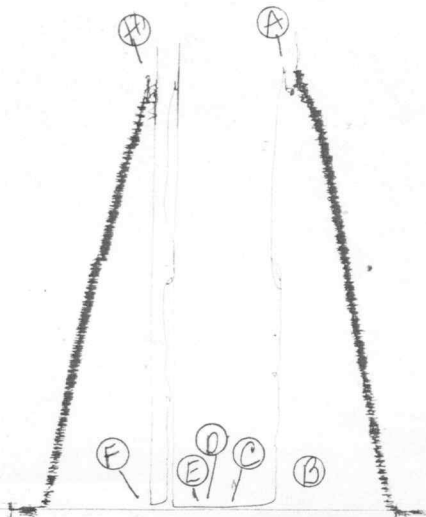
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</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> </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>	<u>57</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>		
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>15</u>	<u>5</u>	<u>17</u>		
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>15</u>	<u>10</u>	<u>17</u>		
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>13</u>	<u>15</u>	<u>17</u>		
P 5 <u>20</u>	<u>21</u>	<u>12</u>	<u>13</u>	<u>20</u>	<u>53</u>		
P 6 <u>25</u>	<u>20</u>	<u>15</u>	<u>13</u>	<u>25</u>	<u>34</u>		
P 7 <u>30</u>	<u>17</u>	<u>18</u>	<u>14</u>	<u>30</u>	<u>30</u>		
P 8 <u> </u>		<u>21</u>	<u>15</u>				
P 9 <u> </u>		<u>24</u>	<u>16</u>				
P10 <u> </u>		<u>27</u>	<u>16</u>				
P11 <u> </u>		<u>30</u>	<u>17</u>				
P12 <u> </u>							
P13 <u> </u>							
P14 <u> </u>							
P15 <u> </u>							
P16 <u> </u>							
P17 <u> </u>							
P18 <u> </u>							
P19 <u> </u>							
P20 <u> </u>							

flushed tool

2604

TK+ # 1071
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WICHITA, KANSAS 67201

Company Sanders Oil Company Lease & Well No. Elsa #1
Elevation 1892 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 1072
Date 6/30/78 Sec. 27 Twp. 32S Range 14W County Barber State Kansas
Test Approved by Lawrence F. Gray Western Representative Rod Tritt
Formation Test No. 2 Interval Tested from 4684' ft. to 4720' ft. Total Depth 4720' ft.
Packer Depth 4679' ft. Size 6 3/4 in. Packer Depth 4684' ft. Size 6 3/4 in.
Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.
Depth of Selective Zone Set -----
Top Recorder Depth (Inside) 4688 ft. Recorder Number 2604 Cap. 4150
Bottom Recorder Depth (Outside) 4691 ft. Recorder Number 2606 Cap. 4150
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --
Drilling Contractor Search Drilling Company Drill Collar Length ----- I. D. ----- in.
Mud Type drispac Viscosity 43 Weight Pipe Length ----- I. D. ----- in.
Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 4664 I. D. 3.8 in.
Chlorides 12,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make No Serial Number ----- Anchor Length 36 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.

Blow: Very weak blow on initial flow period. No blow of any kind on final flow period.

Recovered 25 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:45 A.M. ~~P.M.~~ Time Started Off Bottom 3:45 A.M. ~~P.M.~~ Maximum Temperature 128
Initial Hydrostatic Pressure (A) 2399 P.S.I.
Initial Flow Period Minutes 45 (B) 59 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period Minutes 45 (D) 16 P.S.I.
Final Flow Period Minutes 45 (E) 16 P.S.I. to (F) 16 P.S.I.
Final Closed In Period Minutes 45 (G) 16 P.S.I.
Final Hydrostatic Pressure (H) 2337 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/30/78 Test Ticket No. 1072
 Recorder No. 2604 Capacity 4150 Location 4688 Ft.
 Clock No. ----- Elevation 1892 Kelly Bushing Well Temperature 128 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2399 P.S.I. Open Tool 12:45A M
 B First Initial Flow Pressure 59 P.S.I. First Flow Pressure 45 Mins. 45 Mins.
 C First Final Flow Pressure 13 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.
 D Initial Closed-in Pressure 16 P.S.I. Second Flow Pressure 45 Mins. 45 Mins.
 E Second Initial Flow Pressure 16 P.S.I. Final Closed-in Pressure 45 Mins. 45 Mins.
 F Second Final Flow Pressure 16 P.S.I.
 G Final Closed-in Pressure 16 P.S.I.
 H Final Hydrostatic Mud 2337 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>9</u> Inc.		Breakdown: <u>15</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>	<u>59</u>	<u>0</u>	<u>13</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>16</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>13</u>	<u>5</u>	<u>15</u>	<u>3</u>	<u>16</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>13</u>	<u>10</u>	<u>14</u>	<u>6</u>	<u>16</u>
P 4 <u>15</u>	<u>17</u>	<u>9</u>	<u>13</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>16</u>
P 5 <u>20</u>	<u>15</u>	<u>12</u>	<u>12</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>16</u>
P 6 <u>25</u>	<u>14</u>	<u>15</u>	<u>12</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>16</u>
P 7 <u>30</u>	<u>14</u>	<u>18</u>	<u>12</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>16</u>
P 8 <u>35</u>	<u>14</u>	<u>21</u>	<u>12</u>	<u>35</u>	<u>15</u>	<u>21</u>	<u>16</u>
P 9 <u>40</u>	<u>13</u>	<u>24</u>	<u>12</u>	<u>40</u>	<u>16</u>	<u>24</u>	<u>16</u>
P10 <u>45</u>	<u>13</u>	<u>27</u>	<u>13</u>	<u>45</u>	<u>16</u>	<u>27</u>	<u>16</u>
P11		<u>30</u>	<u>13</u>			<u>30</u>	<u>16</u>
P12		<u>33</u>	<u>14</u>			<u>33</u>	<u>16</u>
P13		<u>36</u>	<u>15</u>			<u>36</u>	<u>16</u>
P14		<u>39</u>	<u>16</u>			<u>39</u>	<u>16</u>
P15		<u>42</u>	<u>16</u>			<u>42</u>	<u>16</u>
P16		<u>45</u>	<u>16</u>			<u>45</u>	<u>16</u>
P17							
P18							
P19							
P20							

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