



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company McCoy Petroleum Co. Lease & Well No. Hunt A-1
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 22082
Date 3-29-76 Sec. 16 Twp. 34S Range 9W County Harper State Kansas
Test Approved by Raymond Dombaugh Western Representative Bill Hager

Formation Test No. 1 O.K. Misrun Interval Tested From 4596' to 4619' Total Depth 4619'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4591 Ft. Size 6 3/4 Bottom Packer Depth 4596 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 23 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4601 Ft. Clock No. 6799 Depth 4603 Ft. Clock No. 8475
Top Make Kuster Cap. 4150 No. 2606 ~~Outside~~ ^{Inside} Bottom Make Kuster Cap. 4000 No. 3351 ~~Inside~~ ^{Outside}
Below Straddle: Depth - Rec. No. - Clock No. - Depth - Ft. Rec. No. - Clock No. - ^{Inside} ~~Outside~~

Time Set Packer 10:20 P. M
Tool Open I.F.P. From 10:22 P. M. to 10:52 P. M. - Hr. 30 Min. From (B) 40 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 10:52 P. M. to 11:37 P. M. - Hr. 45 Min (D) 721 P.S.I.
Tool Open F.F.P. From 11:37 P. M. to 12:37 A. M. 1 Hr. - Min. From (E) 40 P.S.I. To (F) 51 P.S.I.
Tool Closed F.C.I.P. From 12:37 A. M. to 1:37 A. M. 1 Hr. - Min. (G) 1188 P.S.I.
Initial Hydrostatic Pressure (A) 2502 P.S.I. Final Hydrostatic Pressure (H) 2452 P.S.I. Maximum Temp. 131

INFORMATION

BLOW Fair blow throughout test.

Did Well Flow - Yes No Recovery Total Ft. 90' drilling mud.

Reversed Out - Yes No Mud Type starch Viscosity 46 Weight 9.6 Water Loss 16. cc. Chlorides 44,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Sweetman Drlg Inc. Length Drill Pipe? 4297 Ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 6 In.
Tool Joint Size 4 In. Length D.S.T. Tool 43 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 3-29-76 Test Ticket No. 22082
 Recorder No. 2606 Capacity 4150 Location 4601 Ft.
 Clock No. 6799 Elevation - Well Temperature 131 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2502</u> P.S.I.	Open Tool	<u>10:20</u> P M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>721</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>51</u> P.S.I.			
G Final Closed-in Pressure	<u>1188</u> P.S.I.			
H Final Hydrostatic Mud	<u>2452</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: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

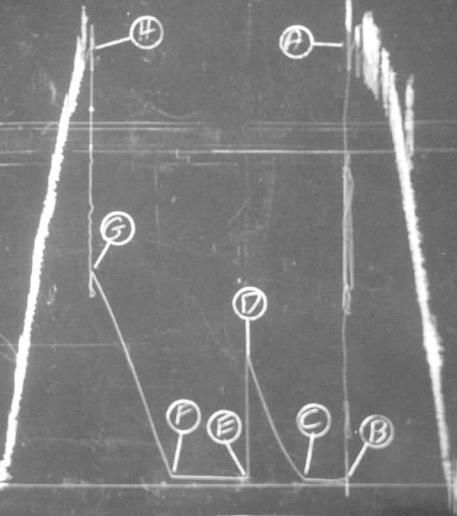
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

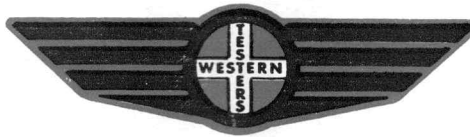
Final Shut-In
 Breakdown: 21 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>40</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>51</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>48</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>96</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>73</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>152</u>
P 4 <u>15</u>	<u>25</u>	<u>9</u>	<u>104</u>	<u>15</u>	<u>42</u>	<u>9</u>	<u>208</u>
P 5 <u>20</u>	<u>27</u>	<u>12</u>	<u>137</u>	<u>20</u>	<u>43</u>	<u>12</u>	<u>260</u>
P 6 <u>25</u>	<u>29</u>	<u>15</u>	<u>173</u>	<u>25</u>	<u>44</u>	<u>15</u>	<u>322</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>214</u>	<u>30</u>	<u>45</u>	<u>18</u>	<u>381</u>
P 8 _____	_____	<u>21</u>	<u>256</u>	<u>35</u>	<u>46</u>	<u>21</u>	<u>444</u>
P 9 _____	_____	<u>24</u>	<u>304</u>	<u>40</u>	<u>47</u>	<u>24</u>	<u>505</u>
P10 _____	_____	<u>27</u>	<u>357</u>	<u>45</u>	<u>48</u>	<u>27</u>	<u>560</u>
P11 _____	_____	<u>30</u>	<u>409</u>	<u>50</u>	<u>49</u>	<u>30</u>	<u>620</u>
P12 _____	_____	<u>33</u>	<u>464</u>	<u>55</u>	<u>50</u>	<u>33</u>	<u>674</u>
P13 _____	_____	<u>36</u>	<u>523</u>	<u>60</u>	<u>51</u>	<u>36</u>	<u>726</u>
P14 _____	_____	<u>39</u>	<u>582</u>	_____	_____	<u>39</u>	<u>785</u>
P15 _____	_____	<u>42</u>	<u>649</u>	_____	_____	<u>42</u>	<u>836</u>
P16 _____	_____	<u>45</u>	<u>721</u>	_____	_____	<u>45</u>	<u>890</u>
P17 _____	_____	_____	_____	_____	_____	<u>48</u>	<u>947</u>
P18 _____	_____	_____	_____	_____	_____	<u>51</u>	<u>996</u>
P19 _____	_____	_____	_____	_____	_____	<u>54</u>	<u>1043</u>
P20 _____	_____	_____	_____	_____	_____	<u>57</u>	<u>1089</u>
						<u>60</u>	<u>1135</u>
						<u>63</u>	<u>1188</u>

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Company McCoy Petroleum Co. Lease & Well No. Hunt A-1
Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 22083
Date 3-30-76 Sec. 16 Twp. 34S Range 9W County Harper State Kansas
Test Approved by Raymond Dombaugh Western Representative Bill Hager

Formation Test No. 2 O.K. Misrun Interval Tested From 4619' to 4643' Total Depth 4643'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4614 Ft. Size 6 3/4 Bottom Packer Depth 4619 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 24 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4623 Ft. Clock No. 6799 Depth 4625 Ft. Clock No. 8475
Top Make Kuster Cap. 4150 No. 2606 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3351 ~~Inside~~ Outside
Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 4:48 P. M
Tool Open I.F.P. From 4:50P M. to 5:20P M. - Hr. 30 Min. From (B) 16 P.S.I. To (C) 20 P.S.I.
Tool Closed I.C.I.P. From 5:20P M. to 5:50P M. - Hr. 30 Min (D) 45 P.S.I.
Tool Open F.F.P. From 5:50P M. to 6:20P M. - Hr. 30 Min. From (E) 39 P.S.I. To (F) 40 P.S.I.
Tool Closed F.C.I.P. From 6:20P M. to 6:50P M. - Hr. 30 Min. (G) 46 P.S.I.
Initial Hydrostatic Pressure (A) 2487 P.S.I. Final Hydrostatic Pressure (H) 2482 P.S.I. Maximum Temp. 131

INFORMATION

BLOW Very weak blow died in 28 minutes.

Did Well Flow Yes No Recovery Total Ft. 30' drilling mud.

Reversed Out Yes No Mud Type starch Viscosity 58 Weight 10. Water Loss 9.4 cc. Chlorides 39,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size - In. Make - Ser. No. -

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Sweetman Drlg. Co. Length Drill Pipe? 4319 Ft. I.D. Drill Pipe 3.7 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 6 In.

Tool Joint Size 4 In. Length D.S.T. Tool 44 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 3-30-76 Test Ticket No. 22083
 Recorder No. 2606 Capacity 4150 Location 4623 Ft.
 Clock No. 6799 Elevation - Well Temperature 131 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2487</u> P.S.I.	Open Tool	<u>4:48 P.</u> M	
B First Initial Flow Pressure	<u>16</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>20</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>45</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
E Second Initial Flow Pressure	<u>39</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>40</u> P.S.I.			
G Final Closed-in Pressure	<u>46</u> P.S.I.			
H Final Hydrostatic Mud	<u>2482</u> 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>5</u> Inc.		Breakdown: <u>11</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>16</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>40</u>
P 2 <u>5</u>	<u>16</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>39</u>
P 3 <u>10</u>	<u>17</u>	<u>6</u>	<u>22</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>37</u>
P 4 <u>15</u>	<u>18</u>	<u>9</u>	<u>24</u>	<u>15</u>	<u>36</u>	<u>9</u>	<u>38</u>
P 5 <u>20</u>	<u>19</u>	<u>12</u>	<u>26</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>39</u>
P 6 <u>25</u>	<u>20</u>	<u>15</u>	<u>29</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>40</u>
P 7 <u>30</u>	<u>20</u>	<u>18</u>	<u>31</u>			<u>18</u>	<u>41</u>
P 8		<u>21</u>	<u>35</u>			<u>21</u>	<u>42</u>
P 9		<u>24</u>	<u>37</u>			<u>24</u>	<u>43</u>
P10		<u>27</u>	<u>41</u>			<u>27</u>	<u>44</u>
P11		<u>30</u>	<u>45</u>			<u>30</u>	<u>45</u>
P12						<u>33</u>	<u>46</u>
P13							
P14							
P15							
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