



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

Company Range Oil Company Inc. Lease & Well No. Meadows B-#1
Elevation 1216 Kelly Bush. Formation Admire Effective Pay - Ft. Ticket No. 23243
Date 9-8-77 Sec. 22 Twp. 33S Range 4E County Cowley State Kansas

Test Approved by George R. McNeish Western Representative Sam McClune

Formation Test No. 1 O.K. Misrun Interval Tested From 716' to 765' Total Depth 765'

Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 711 Ft. Size 6 3/4 Bottom Packer Depth 716 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 49 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 759 Ft. Clock No. 6896 Depth 762 Ft. Clock No. 10167

Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Kuster Cap. 3150 No. 1564 Inside Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 1:07A M

Tool Open I.F.P. From 1:10A M. to 1:40A M. - Hr. 30 Min. From (B) 25 P.S.I. To (C) 28 P.S.I.

Tool Closed I.C.I.P. From 1:40A M. to 2:10A M. - Hr. 30 Min (D) 69 P.S.I.

Tool Open F.F.P. From 2:10A M. to 3:10A M. - Hr. 60 Min. From (E) 42 P.S.I. To (F) 36 P.S.I.

Tool Closed F.C.I.P. From 3:10 M. to 3:40A M. - Hr. 30 Min. (G) 53 P.S.I.

Initial Hydrostatic Pressure (A) 349 P.S.I. Final Hydrostatic Pressure (H) 348 P.S.I. Maximum Temp. -

INFORMATION

BLOW Very weak blow on initial flow period. Fair decreasing to very weak blow on final flow period.

Did Well Flow Yes No Recovery Total Ft. 15' drilling mud

Reversed Out Yes No Mud Type Chem Viscosity 38 Weight - Water Loss - cc. Chlorides 250 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 Range Drilling #1 Length Drill Pipe? 576 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 60 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars 60 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 69 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-8-77 Test Ticket No. 23243
 Recorder No. 1558 Capacity 4200 Location 759 Ft.
 Clock No. 6896 Elevation 1216 Kelly Bushing Well Temperature - °F

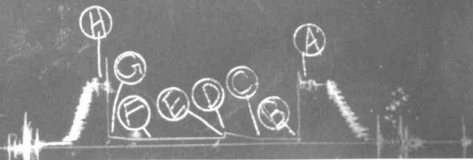
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>349</u> P.S.I.	Open Tool	<u>1:07A</u> M	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>69</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>42</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>36</u> P.S.I.			
G Final Closed-in Pressure	<u>53</u> P.S.I.			
H Final Hydrostatic Mud	<u>348</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>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>10</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>25</u>	<u>0</u> <u>28</u>	<u>0</u> <u>42</u>	<u>0</u> <u>36</u>			
P 2	<u>5</u> <u>25</u>	<u>3</u> <u>29</u>	<u>5</u> <u>36</u>	<u>3</u> <u>36</u>			
P 3	<u>10</u> <u>26</u>	<u>6</u> <u>34</u>	<u>10</u> <u>36</u>	<u>6</u> <u>36</u>			
P 4	<u>15</u> <u>27</u>	<u>9</u> <u>40</u>	<u>15</u> <u>36</u>	<u>9</u> <u>38</u>			
P 5	<u>20</u> <u>27</u>	<u>12</u> <u>44</u>	<u>20</u> <u>36</u>	<u>12</u> <u>39</u>			
P 6	<u>25</u> <u>27</u>	<u>15</u> <u>48</u>	<u>25</u> <u>36</u>	<u>15</u> <u>40</u>			
P 7	<u>30</u> <u>28</u>	<u>18</u> <u>53</u>	<u>30</u> <u>36</u>	<u>18</u> <u>44</u>			
P 8		<u>21</u> <u>57</u>	<u>35</u> <u>36</u>	<u>21</u> <u>46</u>			
P 9		<u>24</u> <u>63</u>	<u>40</u> <u>36</u>	<u>24</u> <u>48</u>			
P10		<u>27</u> <u>69</u>	<u>45</u> <u>36</u>	<u>27</u> <u>53</u>			
P11			<u>50</u> <u>36</u>	<u>30</u> <u>53</u>			
P12			<u>55</u> <u>36</u>				
P13			<u>60</u> <u>36</u>				
P14							
P15							
P16							
P17							
P18							
P19							
F.C.							

TK+ # 23243

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 P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Meadows B-#1
 Elevation 1216 Kelly Bush Formation Kansas City Effective Pay - Ft. Ticker No. 23244
 Date 9-9-77 Sec. 22 Twp. 33S Range 4E County Cowley State Kansas
 Test Approved by Robert G. Brooks Western Representative Sam McClune

Formation Test No. 2 O.K. Misrun Interval Tested From 2698' to 2724' Total Depth 2724'
 Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 2693 Ft. Size 6 3/4 Bottom Packer Depth 2698 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 26 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2717 Ft. Clock No. 6896 Depth 2720 Ft. Clock No. 10167
 Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Kuster Cap. 3150 No. 1564 Inside Outside
 Below Straddle: Depth Ft. Rec. No. Clock No. Inside Outside

Time Set Packer 2:55P M
 Tool Open I.F.P. From 2:56P M. to 3:26P M. - Hr. 30 Min. From (B) 17 P.S.I. To (C) 20 P.S.I.
 Tool Closed I.C.I.P. From 3:26P M. to 3:56P M. - Hr. 30 Min (D) 50 P.S.I.
 Tool Open F.F.P. From 3:56P M. to 4:26P M. - Hr. 30 Min. From (E) 31 P.S.I. To (F) 28 P.S.I.
 Tool Closed F.C.I.P. From 4:26P M. to 4:56P M. - Hr. 30 Min. (G) 48 P.S.I.
 Initial Hydrostatic Pressure (A) 1320 P.S.I. Final Hydrostatic Pressure (H) 1301 P.S.I. Maximum Temp. 106

INFORMATION

BLOW Weak decreasing to very weak then died in 19 minutes on initial flow period.
No blow on final flow period.

Did Well Flow Yes No Recovery Total Ft. 15' very slightly oil cut mud.

Reversed Out Yes No Mud Type Chem Viscosity 40 Weight 9.3 Water Loss 11.2 cc. Chlorides 2,000 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 Range Drilling Length Drill Pipe 2558 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe 60 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars 60 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 FH In. Length D.S.T. Tool 46 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 9-9-77

Test Ticket No. 23244

Recorder No. 1558

Capacity 4200

Location 2717 Ft.

Clock No. 6896

Elevation 1216

Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1320</u> P.S.I.	Open Tool	<u>2:55P</u>	<u>M</u>
B First Initial Flow Pressure	<u>17</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>27</u> Mins.
D Initial Closed-in Pressure	<u>50</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>31</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>28</u> P.S.I.			
G Final Closed-in Pressure	<u>48</u> P.S.I.			
H Final Hydrostatic Mud	<u>1301</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	<u>6</u>	<u>Inc.</u>	<u>9</u>	<u>Inc.</u>	<u>6</u>	<u>Inc.</u>	<u>10</u>	<u>Inc.</u>
	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.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	<u>17</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>28</u>	<u>0</u>
P 2	<u>17</u>	<u>3</u>	<u>23</u>	<u>3</u>	<u>27</u>	<u>3</u>	<u>29</u>	<u>3</u>
P 3	<u>17</u>	<u>6</u>	<u>25</u>	<u>6</u>	<u>28</u>	<u>6</u>	<u>31</u>	<u>6</u>
P 4	<u>19</u>	<u>9</u>	<u>27</u>	<u>9</u>	<u>28</u>	<u>9</u>	<u>34</u>	<u>9</u>
P 5	<u>19</u>	<u>12</u>	<u>29</u>	<u>12</u>	<u>28</u>	<u>12</u>	<u>35</u>	<u>12</u>
P 6	<u>20</u>	<u>15</u>	<u>31</u>	<u>15</u>	<u>28</u>	<u>15</u>	<u>37</u>	<u>15</u>
P 7	<u>20</u>	<u>18</u>	<u>34</u>	<u>18</u>	<u>28</u>	<u>18</u>	<u>39</u>	<u>18</u>
P 8		<u>21</u>	<u>40</u>	<u>21</u>		<u>21</u>	<u>42</u>	<u>21</u>
P 9		<u>24</u>	<u>45</u>	<u>24</u>		<u>24</u>	<u>44</u>	<u>24</u>
P10		<u>27</u>	<u>50</u>	<u>27</u>		<u>27</u>	<u>46</u>	<u>27</u>
P11						<u>30</u>	<u>48</u>	
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