



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

Company Range Oil Company, Inc. Lease & Well No. Lewis B-#1
Elevation 1124 Kelly Bushing Formation Cleveland Effective Pay - Ft. Ticket No. 21808
Date 2-24-77 Sec. 10 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Robert G. Brooks Western Representative Bill Baker
Formation Test No. 2 O.K. Misrun Interval Tested From 2962' to 2982' Total Depth 2982'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 2957 Ft. Size 6 3/4 Bottom Packer Depth 2962 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 20 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2975 Ft. Clock No. 10167 Depth 2978 Ft. Clock No. 8475
Top Make Kuster Cap. 3150 No. 1565 ~~Outside~~ ^{Inside} Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ ^{Outside}
Below Straddle: Depth Rec. No. Clock No. ~~Outside~~ ^{Inside} Depth Ft. Rec. No. Clock No. ~~Inside~~ ^{Outside}
Time Set Packer 10:43 P M
Tool Open I.F.P. From 10:45 P.M. to 11:15 P.M. - Hr. 30 Min. From (B) 41 P.S.I. To (C) 165 P.S.I.
Tool Closed I.C.I.P. From 11:15 M. to 11:45 P.M. - Hr. 30 Min (D) 1214 P.S.I.
Tool Open F.F.P. From 11:45 P.M. to 12:45 A.M. 1 Hr. - Min. From (E) 188 P.S.I. To (F) 320 P.S.I.
Tool Closed F.C.I.P. From 12:45 M. to 1:30 A.M. - Hr. 45 Min. (G) 1196 P.S.I.
Initial Hydrostatic Pressure (A) 1516 P.S.I. Final Hydrostatic Pressure (H) 1516 P.S.I. Maximum Temp. 110

INFORMATION

BLOW Weak blow increasing to strong blow in 10 minutes.

Did Well Flow - Yes No Recovery Total Ft. 570' total recovery. 90' muddy saltwater, 480' saltwater.

Reversed Out - Yes No Mud Type chem Viscosity 63 Weight 9.7 Water Loss 9.6 cc. Chlorides 2,400 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 White & Ellis #4 Length Drill Pipe? 2832 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 150 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 40 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 2-24-77

Test Ticket No. 21808

Recorder No. 1565

Capacity 3150

Location 2975 Ft.

Clock No. 10167

Elevation 1124 Kelly Bushing

Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1516</u> P.S.I.	Open Tool	<u>10:43 P.M.</u>	
B First Initial Flow Pressure	<u>41</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>165</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1214</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>188</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>320</u> P.S.I.			
G Final Closed-in Pressure	<u>1196</u> P.S.I.			
H Final Hydrostatic Mud	<u>1516</u> P.S.I.			

PRESSURE BREAKDOWN

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

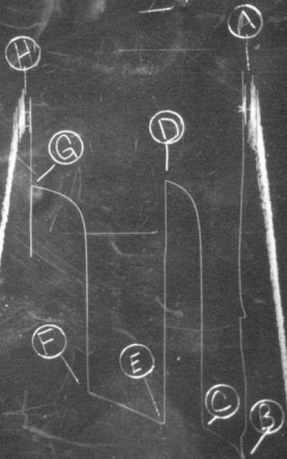
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

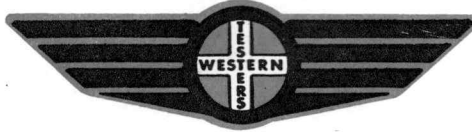
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 15 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>41</u>	<u>0</u>	<u>165</u>	<u>0</u>	<u>188</u>	<u>0</u>	<u>320</u>
P 2 <u>5</u>	<u>82</u>	<u>3</u>	<u>580</u>	<u>5</u>	<u>191</u>	<u>3</u>	<u>635</u>
P 3 <u>10</u>	<u>103</u>	<u>6</u>	<u>1102</u>	<u>10</u>	<u>205</u>	<u>6</u>	<u>1071</u>
P 4 <u>15</u>	<u>120</u>	<u>9</u>	<u>1138</u>	<u>15</u>	<u>219</u>	<u>9</u>	<u>1105</u>
P 5 <u>20</u>	<u>138</u>	<u>12</u>	<u>1160</u>	<u>20</u>	<u>231</u>	<u>12</u>	<u>1124</u>
P 6 <u>25</u>	<u>152</u>	<u>15</u>	<u>1176</u>	<u>25</u>	<u>245</u>	<u>15</u>	<u>1138</u>
P 7 <u>30</u>	<u>165</u>	<u>18</u>	<u>1189</u>	<u>30</u>	<u>255</u>	<u>18</u>	<u>1150</u>
P 8 _____	_____	<u>21</u>	<u>1198</u>	<u>35</u>	<u>266</u>	<u>21</u>	<u>1159</u>
P 9 _____	_____	<u>24</u>	<u>1205</u>	<u>40</u>	<u>277</u>	<u>24</u>	<u>1165</u>
P10 _____	_____	<u>27</u>	<u>1213</u>	<u>45</u>	<u>290</u>	<u>27</u>	<u>1171</u>
P11 _____	_____	<u>30</u>	<u>1214</u>	<u>50</u>	<u>300</u>	<u>30</u>	<u>1178</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>310</u>	<u>33</u>	<u>1183</u>
P13 _____	_____	_____	_____	<u>60</u>	<u>320</u>	<u>36</u>	<u>1186</u>
P14 _____	_____	_____	_____	_____	_____	<u>39</u>	<u>1190</u>
P15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>1194</u>
P16 _____	_____	_____	_____	_____	_____	<u>45</u>	<u>1196</u>
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Tkt # 21808





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Company Range Oil Company, Inc. Lease & Well No. Lewis B-#1
Elevation 1124 Kelly Bushing Formation Cattleman Effective Pay - Ft. Ticket No. 21809
Date 2-25-77 Sec. 10 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Robert G. Brooks Western Representative Bill Baker

Formation Test No. 3 O.K. Misrun Interval Tested From 3208' to 3225' Total Depth 3225'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 3203 Ft. Size 6 3/4 Bottom Packer Depth 3208 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 17 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3218 Ft. Clock No. 10167 Depth 3221 Ft. Clock No. 9102
Top Make Kuster Cap. 3150 No. 1565 ~~Inside~~ Outside Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ Outside
Below Straddle: Depth Rec. No. Clock No. ~~Inside~~ Outside Depth Ft. Rec. No. Clock No. ~~Inside~~ Outside

Time Set Packer 11:58 PM
Tool Open I.F.P. From 12:00 AM to 12:30 AM - Hr. 30 Min. From (B) 27 P.S.I. To (C) 27 P.S.I.
Tool Closed I.C.I.P. From 12:30 AM to 1:00 AM - Hr. 30 Min (D) 36 P.S.I.
Tool Open F.F.P. From 1:00 AM to 1:30 AM - Hr. 30 Min. From (E) 28 P.S.I. To (F) 28 P.S.I.
Tool Closed F.C.I.P. From 1:30 AM to 2:00 AM - Hr. 30 Min. (G) 32 P.S.I.
Initial Hydrostatic Pressure (A) 1640 P.S.I. Final Hydrostatic Pressure (H) 1614 P.S.I. Maximum Temp. 111

INFORMATION

BLOW Very weak blow, died in 20 minutes.

Did Well Flow Yes No Recovery Total Ft. 10' slightly oil cut mud, Free oil on top of tool.

Reversed Out Yes No Mud Type chem Viscosity 43 Weight 9.6 Water Loss 11.6 cc. Chlorides 1,800 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 White & Ellis #4 Length Drill Pipe? 3075 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 150 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 37 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 2-25-77 Test Ticket No. 21809
 Recorder No. 1565 Capacity 3150 Location 3218 Ft.
 Clock No. 10167 Elevation 1124 Kelly Bushing Well Temperature 111 °F

Point	Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	<u>1640</u> P.S.I.	Open Tool	<u>11:58</u> PM	
B	First Initial Flow Pressure	<u>27</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C	First Final Flow Pressure	<u>27</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D	Initial Closed-in Pressure	<u>36</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E	Second Initial Flow Pressure	<u>28</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>32</u> P.S.I.			
H	Final Hydrostatic Mud	<u>1614</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>6</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>27</u>	<u>0</u>	<u>27</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>27</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>28</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>27</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>28</u>
P 4 <u>15</u>	<u>26</u>	<u>9</u>	<u>28</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>29</u>
P 5 <u>20</u>	<u>26</u>	<u>12</u>	<u>28</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>30</u>
P 6 <u>25</u>	<u>26</u>	<u>15</u>	<u>30</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>31</u>
P 7 <u>30</u>	<u>27</u>	<u>18</u>	<u>31</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>32</u>
P 8 _____	_____	<u>21</u>	<u>33</u>	_____	_____	<u>21</u>	<u>32</u>
P 9 _____	_____	<u>24</u>	<u>34</u>	_____	_____	<u>24</u>	<u>32</u>
P10 _____	_____	<u>27</u>	<u>35</u>	_____	_____	<u>27</u>	<u>32</u>
P11 _____	_____	<u>30</u>	<u>36</u>	_____	_____	<u>30</u>	<u>32</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT#21809

I.

(H)

(A)

(G)

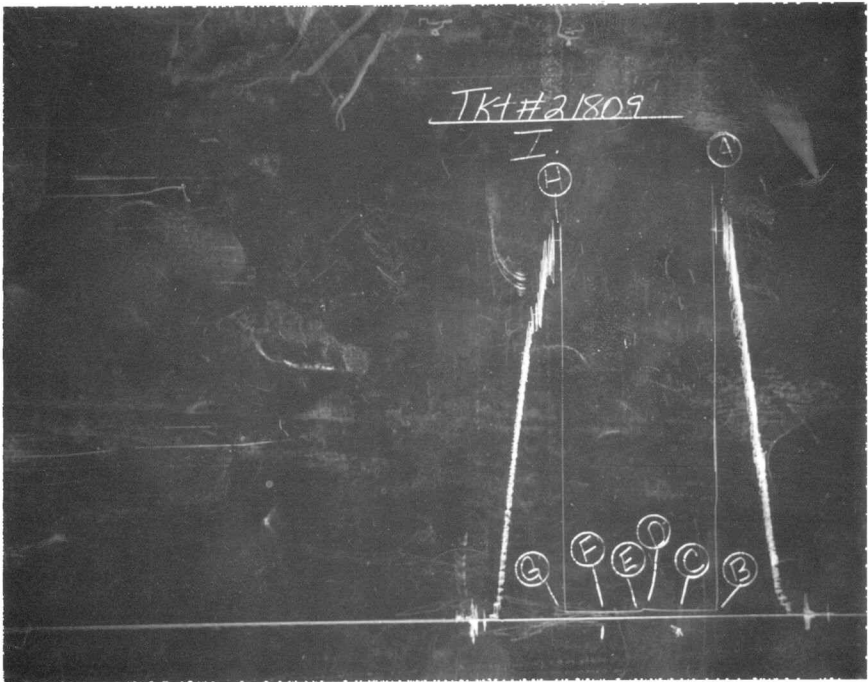
(F)

(E)

(D)

(C)

(B)





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

Company Range Oil Company, Inc. Lease & Well No. Lewis B-#1

Elevation 1124 Kelly Bushing Formation Bartlesville Effective Pay - Ft. Ticket No. 21810

Date 2-26-77 Sec. 10 Twp. 34S Range 3E County Cowley State Kansas

Test Approved by Robert G. Brooks Western Representative Bill Baker

Formation Test No. 4 O.K. Misrun Interval Tested From 3301' to 3320' Total Depth 3320'

Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 3296 Ft. Size 6 3/4 Bottom Packer Depth 3301 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 19 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3313 Ft. Clock No. 10167 Depth 3316 Ft. Clock No. 9102

Top Make Kuster Cap. 3150 No. 1565 ^{Inside} ~~Outside~~ Bottom Make Kuster Cap. 3200 No. 1561 ^{Outside} ~~Inside~~

Below Straddle: Depth Rec. No. Clock No. ^{Inside} ~~Outside~~ Depth Ft. Rec. No. Clock No. ^{Inside} ~~Outside~~

Time Set Packer 1:58 P M

Tool Open I.F.P. From 2:00 P.M. to 2:30 P.M. - Hr. 30 Min. From (B) 31 P.S.I. To (C) 32 P.S.I.

Tool Closed I.C.I.P. From 2:30 P.M. to 3:00 P.M. - Hr. 30 Min (D) 331 P.S.I.

Tool Open F.F.P. From 3:00 P.M. to 3:45 P.M. - Hr. 45 Min. From (E) 38 P.S.I. To (F) 35 P.S.I.

Tool Closed F.C.I.P. From 3:45 P.M. to 4:45 P.M. 1 Hr. - Min. (G) 911 P.S.I.

Initial Hydrostatic Pressure (A) 1714 P.S.I. Final Hydrostatic Pressure (H) 1684 P.S.I. Maximum Temp. 114

INFORMATION

BLOW Weak blow increasing to fair blow in 30 minutes.

Did Well Flow - Yes No Recovery Total Ft. 30' oil and gas cut mud. 270' gas in pipe.

Reversed Out - Yes No Mud Type chem Viscosity 54 Weight 9.7 Water Loss 9.6 cc. Chlorides 2,200 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 White & Ellis #4 Length Drill Pipe 3170 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 150 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 39 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 2-26-77 Test Ticket No. 21810
 Recorder No. 1565 Capacity 3150 Location 3313 Ft.
 Clock No. 10167 Elevation 1124 Kelly Bushing Well Temperature 114 °F

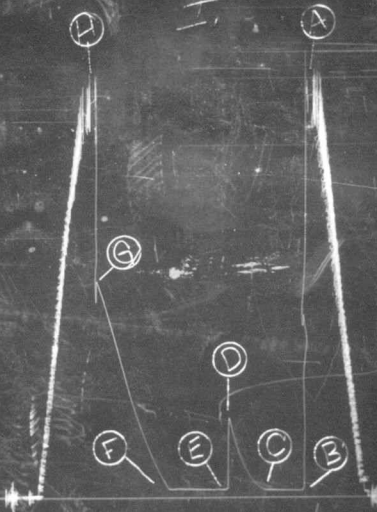
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1714</u>	P.S.I.	<u>1:58</u> P M	
B First Initial Flow Pressure	<u>31</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>32</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>331</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>38</u>	P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>35</u>	P.S.I.		
G Final Closed-in Pressure	<u>911</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1684</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>9</u> Inc.		Breakdown: <u>19</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>31</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>35</u>
P 2 <u>5</u>	<u>28</u>	<u>3</u>	<u>38</u>	<u>5</u>	<u>32</u>	<u>3</u>	<u>60</u>
P 3 <u>10</u>	<u>28</u>	<u>6</u>	<u>50</u>	<u>10</u>	<u>32</u>	<u>6</u>	<u>90</u>
P 4 <u>15</u>	<u>28</u>	<u>9</u>	<u>69</u>	<u>15</u>	<u>32</u>	<u>9</u>	<u>122</u>
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>92</u>	<u>20</u>	<u>33</u>	<u>12</u>	<u>154</u>
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>123</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>193</u>
P 7 <u>30</u>	<u>32</u>	<u>18</u>	<u>157</u>	<u>30</u>	<u>34</u>	<u>18</u>	<u>232</u>
P 8		<u>21</u>	<u>202</u>	<u>35</u>	<u>35</u>	<u>21</u>	<u>276</u>
P 9		<u>24</u>	<u>254</u>	<u>40</u>	<u>35</u>	<u>24</u>	<u>323</u>
P10		<u>27</u>	<u>331</u>	<u>45</u>	<u>35</u>	<u>27</u>	<u>267</u>
P11						<u>30</u>	<u>415</u>
P12						<u>33</u>	<u>472</u>
P13						<u>36</u>	<u>528</u>
P14						<u>39</u>	<u>583</u>
P15						<u>42</u>	<u>646</u>
P16						<u>45</u>	<u>704</u>
P17						<u>48</u>	<u>759</u>
P18						<u>51</u>	<u>810</u>
P19						<u>54</u>	<u>864</u>
P20						<u>57</u>	<u>911</u>

Tk#21810

I.





Home Office: Wichita, Kansas 67201
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Company Range Oil Company, Inc. Lease & Well No. Lewis B-#1
 Elevation 1124 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 21812
 Date 2-27-77 Sec. 10 Twp. 34S Range 3E County Cowley State Kansas
 Test Approved by Robert G. Brooks Western Representative Bill Baker
 Formation Test No. 5 O.K. Misrun Interval Tested From 3360' to 3375' Total Depth 3375'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3355 Ft. Size 6 3/4 Bottom Packer Depth 3360 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 15 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 3368 Ft. Clock No. 10167 Depth 3371 Ft. Clock No. 9102
 Top Make Kuster Cap. 3150 No. 1565 ~~Inside~~ Outside Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ Outside
 Below Straddle: Depth Rec. No. Clock No. ~~Inside~~ Outside Depth Ft. Rec. No. Clock No. ~~Inside~~ Outside
 Time Set Packer 2:13 A M
 Tool Open I.F.P. From 2:15 A M. to 2:45A M. - Hr. 30 Min. From (B) 38 P.S.I. To (C) 92 P.S.I.
 Tool Closed I.C.I.P. From 2:45 M. to 3:15A M. - Hr. 30 Min (D) 958 P.S.I.
 Tool Open F.F.P. From 3:15 A M. to 3:45A M. - Hr. 30 Min. From (E) 113 P.S.I. To (F) 138 P.S.I.
 Tool Closed F.C.I.P. From 3:45 M. to 4:30A M. - Hr. 45 Min. (G) 963 P.S.I.
 Initial Hydrostatic Pressure (A) 1736 P.S.I. Final Hydrostatic Pressure (H) 1727 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test.
 Did Well Flow Yes No Recovery Total Ft. 285' total recovery. 45' slightly salty mud, 240' muddy salt water.
 Reversed Out Yes No Mud Type chem Viscosity 60 Weight 9.6 Water Loss 9.6 cc. Chlorides 2,200 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 White & Ellis #4 Length Drill Pipe? 3165 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
 Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 210 Ft. I.D. Drill Collars 2 1/4 In.
 Tool Joint Size 4H90 In. Length D.S.T. Tool 35 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 2-27-77

Test Ticket No. 21812

Recorder No. 1565 Capacity 3150 Location 3368 Ft.

Clock No. 10167 Elevation 1124 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1736</u> P.S.I.	Open Tool	<u>2:13</u> AM	
B First Initial Flow Pressure	<u>38</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>92</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>958</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>113</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>138</u> P.S.I.			
G Final Closed-in Pressure	<u>963</u> P.S.I.			
H Final Hydrostatic Mud	<u>1727</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>6</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>38</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>113</u>	<u>0</u>	<u>138</u>
P 2 <u>5</u>	<u>47</u>	<u>3</u>	<u>503</u>	<u>5</u>	<u>110</u>	<u>3</u>	<u>625</u>
P 3 <u>10</u>	<u>61</u>	<u>6</u>	<u>774</u>	<u>10</u>	<u>113</u>	<u>6</u>	<u>807</u>
P 4 <u>15</u>	<u>76</u>	<u>9</u>	<u>871</u>	<u>15</u>	<u>118</u>	<u>9</u>	<u>867</u>
P 5 <u>20</u>	<u>85</u>	<u>12</u>	<u>906</u>	<u>20</u>	<u>124</u>	<u>12</u>	<u>897</u>
P 6 <u>25</u>	<u>88</u>	<u>15</u>	<u>925</u>	<u>25</u>	<u>132</u>	<u>15</u>	<u>914</u>
P 7 <u>30</u>	<u>92</u>	<u>18</u>	<u>937</u>	<u>30</u>	<u>138</u>	<u>18</u>	<u>925</u>
P 8		<u>21</u>	<u>947</u>			<u>21</u>	<u>934</u>
P 9		<u>24</u>	<u>953</u>			<u>24</u>	<u>940</u>
P10		<u>27</u>	<u>958</u>			<u>27</u>	<u>946</u>
P11						<u>30</u>	<u>950</u>
P12						<u>33</u>	<u>953</u>
P13						<u>36</u>	<u>956</u>
P14						<u>39</u>	<u>958</u>
P15						<u>42</u>	<u>961</u>
P16						<u>45</u>	<u>962</u>
P17							
P18							
P19							
P20							

TK# 21812

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