



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

Company J. A. Allison Lease & Well No. Tammen #1
 Elevation 1990 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 23310
 Date 1-18-78 Sec. 26 Twp. 18S Range 18W County Rush State Kansas
 Test Approved by Bob Gill Western Representative Denis Wondra

Formation Test No. 1 O.K. Misrun Interval Tested From 3380' to 3396' Total Depth 3396'
 Size Main Hole 7-7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3375 Ft. Size 6-3/4 Bottom Packer Depth 3380 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 16 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 3382 Ft. Clock No. 6861 Depth 3385 Ft. Clock No. 6896
 Top Make Kuster Cap. 4000 No. 3660 Inside Outside Bottom Make Kuster Cap. 6000 No. 1560 Inside Outside
 Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside

Time Set Packer 6:43 P M
 Tool Open I.F.P. From 6:45 M. to 7:15 M. - Hr. 30 Min. From (B) 44 P.S.I. To (C) 25 P.S.I.
 Tool Closed I.C.I.P. From 7:15 M. to 8:00 M. - Hr. 45 Min (D) 1145 P.S.I.
 Tool Open F.F.P. From 8:00 M. to 9:00 M. - Hr. 60 Min. From (E) 51 P.S.I. To (F) 46 P.S.I.
 Tool Closed F.C.I.P. From 9:00 M. to 9:45 M. - Hr. 45 Min. (G) 1075 P.S.I.
 Initial Hydrostatic Pressure (A) 1631 P.S.I. Final Hydrostatic Pressure (H) 1631 P.S.I. Maximum Temp. 106°

INFORMATION

BLOW Good blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 70' Watery Mud

Reversed Out Yes No Mud Type Drispac Viscosity 40 Weight 9.5 Water Loss 10.5 cc. Chlorides 28,000 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 DNB Drlg. Rig. #2 Length Drill Pipe? 2501 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe 859 Ft. I.D. Weight Pipe 5.7 In. Tool Joint Size 4 1/2 XH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 36 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 1-18-78

Test Ticket No. 23310

Recorder No. 3660 Capacity 4000 Location 3382 Ft.

Clock No. 6861 Elevation 1990 Kelly Bushing Well Temperature 106 °F

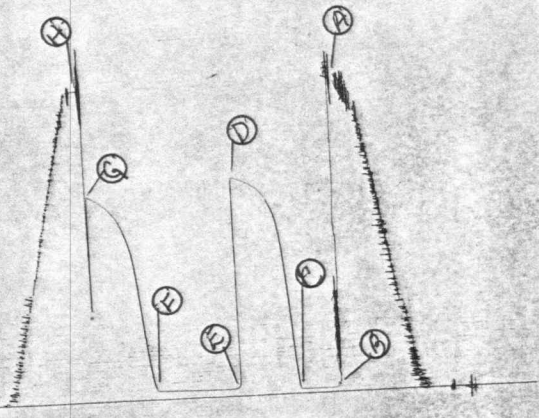
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1631</u> P.S.I.	Open Tool	<u>6:43 P M</u>	
B First Initial Flow Pressure	<u>44</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1145</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>51</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>46</u> P.S.I.			
G Final Closed-in Pressure	<u>1075</u> P.S.I.			
H Final Hydrostatic Mud	<u>1631</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.
	of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a 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>44</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>46</u>	
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>166</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>101</u>	
P 3 <u>10</u>	<u>22</u>	<u>6</u>	<u>409</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>237</u>	
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>623</u>	<u>15</u>	<u>38</u>	<u>9</u>	<u>383</u>	
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>798</u>	<u>20</u>	<u>38</u>	<u>12</u>	<u>577</u>	
P 6 <u>25</u>	<u>25</u>	<u>15</u>	<u>913</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>722</u>	
P 7 <u>30</u>	<u>25</u>	<u>18</u>	<u>974</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>815</u>	
P 8		<u>21</u>	<u>1018</u>	<u>35</u>	<u>43</u>	<u>21</u>	<u>877</u>	
P 9		<u>24</u>	<u>1052</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>927</u>	
P10		<u>27</u>	<u>1075</u>	<u>45</u>	<u>45</u>	<u>27</u>	<u>962</u>	
P11		<u>30</u>	<u>1094</u>	<u>50</u>	<u>45</u>	<u>30</u>	<u>990</u>	
P12		<u>33</u>	<u>1107</u>	<u>55</u>	<u>46</u>	<u>33</u>	<u>1014</u>	
P13		<u>36</u>	<u>1117</u>	<u>60</u>	<u>46</u>	<u>36</u>	<u>1032</u>	
P14		<u>39</u>	<u>1129</u>			<u>39</u>	<u>1047</u>	
P15		<u>42</u>	<u>1136</u>			<u>42</u>	<u>1060</u>	
P16		<u>45</u>	<u>1145</u>			<u>45</u>	<u>1072</u>	
P17						<u>48</u>	<u>1075</u>	
P18								
P19								
P20								

60

TRT # 23310
I.





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

Company J. A. Allison Lease & Well No. Tammen #1

Elevation 1990 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 23311

Date 1-20-78 Sec. 26 Twp. 18S Range 18W County Rush State Kansas

Test Approved by Bob Gill Western Representative Denis Wondra

Formation Test No. 2 O.K. Misrun Interval Tested From 3742' to 3748' Total Depth 3748'

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

Top Packer Depth 3737 Ft. Size 6-3/4 Bottom Packer Depth 3742 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 6 Ft. Size 5 1/2 OD Surface Choke Size 3/4 Bottom Choke Size 3/4 In.

RECORDERS Depth 3733 Ft. Clock No. 6861 Depth 3744 Ft. Clock No. 6896

Top Make Kuster Cap. 4000 No. 3660 ^{Inside} Outside Bottom Make Kuster Cap. 6000 No. 1560 ^{Inside} Outside

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

Time Set Packer 11:13 A M

Tool Open I.F.P. From 11:15 M. to 11:45 M. - Hr. 30 Min. From (B) Plugging P.S.I. To (C) 15 P.S.I.
Action

Tool Closed I.C.I.P. From 11:45 M. to 12:15 M. - Hr. 30 Min (D) 1181 P.S.I.

Tool Open F.F.P. From 12:15 M. to 1:15 M. - Hr. 60 Min. From (E) 31 P.S.I. To (F) 39 P.S.I.

Tool Closed F.C.I.P. From 1:15 M. to 1:45 M. - Hr. 30 Min. (G) 1180 P.S.I.

Initial Hydrostatic Pressure (A) 1843 P.S.I. Final Hydrostatic Pressure (H) 1764 P.S.I. Maximum Temp. 115°

INFORMATION

BLOW Weak throughout flow periods.

Did Well Flow - Yes No Recovery Total Fr. 100' Gas in Pipe 5' Oil 100' Gas Cut Mud

Reversed Out - Yes No Mud Type Drispac Viscosity 43 Weight 9.8 Water Loss 18.4 cc. Chlorides 54,000 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? Yes Where? Partly Bottom Recorder

DRILLING CONTRACTOR DNB Rig. #2 Length Drill Pipe? 2858 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe 859 Ft. I.D. Weight Pipe 3.7 In. Tool Joint Size 4 1/2 XH In. Length Drill Collars Ft. I.D. Drill Collars In.

Tool Joint Size In. Length D.S.T. Tool 31 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 1-20-78

Test Ticket No. 23311

Recorder No. 3660

Capacity 4000

Location 3733 Ft.

Clock No. 6861

Elevation 1940 Kelly Bushing

Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1843	P.S.I.	11:13 AM	
B First Initial Flow Pressure	Plugging Action	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	15	P.S.I.	30 Mins.	33 Mins.
D Initial Closed-in Pressure	1181	P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	31	P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	39	P.S.I.		
G Final Closed-in Pressure	1180	P.S.I.		
H Final Hydrostatic Mud	1764	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: 12 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 <u>0</u>	Plugging Action	0	15	0	31	0	39
P 2 <u>5</u>	"	3	665	5	40	3	788
P 3 <u>10</u>	15	6	1172	10	51	6	1174
P 4 <u>15</u>	15	9	1178	15	55	9	1179
P 5 <u>20</u>	15	12	1180	20	38	12	1180
P 6 <u>25</u>	15	15	1180	25	33	15	1180
P 7 <u>30</u>	15	18	1181	30	33	18	1180
P 8 _____		21	1181	35	33	21	1180
P 9 _____		24	1181	40	33	24	1180
P10 _____		27	1181	45	37	27	1180
P11 _____		30	1181	50	38	30	1180
P12 _____		33	1181	55	39		
P13 _____				60	39		
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TR# 23311
I.

