



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

Company Abercrombie Drilling Inc. Lease & Well No. Starr # 2
Elevation 2781 K.B. Formation Kansas City Effective Pay - Ft. Ticker No. 20741
Date 8-3-75 Sec. 23 Twp. 19S Range 28W County Lane State Kansas
Test Approved by Harold Steincamp Western Representative Bob Anthony

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4297' to 4310' Total Depth 4310'
Size Main Hole 7 7/8" Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 4292 Ft. Size 6 3/4 Bottom Packer Depth 4297 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 13 Ft. Size 5 1/2" OD Surface Choke Size 3/4" In. Bottom Choke Size 3/4" In.

RECORDERS Depth 4304 Ft. Clock No. 1563 Depth 4307 Ft. Clock No. 9710
Top Make Kuster Cap. 4150 No. 2604 ☒ Inside ☐ Outside Bottom Make Kuster Cap. 4150 No. 969 ☒ Inside ☐ Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ☒ Inside ☐ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ☒ Inside ☐ Outside

Time Set Packer 7:00 AM

Tool Open I.F.P. From 7:05 A M. to 7:20 A M. ☐ Hr. 15 Min. From (B) 60 P.S.I. To (C) 320 P.S.I.
Tool Closed I.C.I.P. From 7:20 A M. to 8:05 A M. ☐ Hr. 45 Min (D) 1209 P.S.I.
Tool Open F.F.P. From 8:05 A M. to 9:05 A M. 1 Hr. ☐ Min. From (E) 354 P.S.I. To (F) 774 P.S.I.
Tool Closed F.C.I.P. From 9:05 A M. to 9:50 A M. ☐ Hr. 45 Min. (G) 1208 P.S.I.
Initial Hydrostatic Pressure (A) 2266 P.S.I. Final Hydrostatic Pressure (H) 2264 P.S.I. Maximum Temp. 136

INFORMATION

BLOW Very strong blow throughout test. (Blow from bottom of bucket)

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 330' gas in pipe, 90' oil cut mud (25% oil)
120' very heavy oil cut mud (50% oil) 540' muddy oil (20% mud)
300' muddy oil (10% mud) 780' water

Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 45 Weight 10.0 Water Loss 12.0 cc. Chlorides 65,000 ppm

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 Abercrombie Drilling, Inc. Length Drill Pipe 277 Ft. I.D. Drill Pipe 2.7 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 ☐ Ft. I.D. Drill Collars ☐ In.

Tool Joint Size ☐ In. Length D.S.T. Tool 33 Ft.

Remarks:

WESTERN TESTING CO., INC. Pressure Data

Date 8-3-75 Test Ticket No. 20741
Recorder No. 2604 Capacity 4150 Location 4304 Ft.
Clock No. 1563 Elevation 2781 Kelly Bushings Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2266 P.S.I.	Open Tool	7:00 A M	
B First Initial Flow Pressure	60 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	320 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1209 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	354 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	774 P.S.I.			
G Final Closed-in Pressure	1208 P.S.I.			
H Final Hydrostatic Mud	2264 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</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>60</u>	<u>0</u>	<u>320</u>	<u>0</u>	<u>354</u>	<u>0</u>	<u>774</u>
P 2 <u>5</u>	<u>148</u>	<u>3</u>	<u>1179</u>	<u>5</u>	<u>387</u>	<u>3</u>	<u>1188</u>
P 3 <u>10</u>	<u>256</u>	<u>6</u>	<u>1191</u>	<u>10</u>	<u>435</u>	<u>6</u>	<u>1196</u>
P 4 <u>15</u>	<u>320</u>	<u>9</u>	<u>1196</u>	<u>15</u>	<u>482</u>	<u>9</u>	<u>1200</u>
P 5		<u>12</u>	<u>1200</u>	<u>20</u>	<u>522</u>	<u>12</u>	<u>1202</u>
P 6		<u>15</u>	<u>1201</u>	<u>25</u>	<u>559</u>	<u>15</u>	<u>1203</u>
P 7		<u>18</u>	<u>1202</u>	<u>30</u>	<u>596</u>	<u>18</u>	<u>1204</u>
P 8		<u>21</u>	<u>1203</u>	<u>35</u>	<u>631</u>	<u>21</u>	<u>1205</u>
P 9		<u>24</u>	<u>1204</u>	<u>40</u>	<u>663</u>	<u>24</u>	<u>1206</u>
P10		<u>27</u>	<u>1205</u>	<u>45</u>	<u>692</u>	<u>27</u>	<u>1207</u>
P11		<u>30</u>	<u>1207</u>	<u>50</u>	<u>722</u>	<u>30</u>	<u>1207</u>
P12		<u>33</u>	<u>1208</u>	<u>55</u>	<u>747</u>	<u>33</u>	<u>1208</u>
P13		<u>36</u>	<u>1209</u>	<u>60</u>	<u>774</u>	<u>36</u>	<u>1208</u>
P14		<u>39</u>	<u>1209</u>			<u>39</u>	<u>1208</u>
P15		<u>42</u>	<u>1209</u>			<u>42</u>	<u>1208</u>
P16		<u>45</u>	<u>1209</u>			<u>45</u>	<u>1208</u>
P17							
P18							
P19							
P20							