

THUNDERBIRD DRLG., INC.

TESTING DIVISION

Box 18407

WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Blount # 1

County Hodgeman

State Kansas

Date 6-4-75

Formation Test No. 1 Total Depth 4600' Elev. _____
Interval Tested 4545' To 4600' Anchor Length 55'
Size Hole 7 7/8" Size Drill Pipe 4 1/2" XH FH Size Packer 6 3/4"
Mud Weight 9.4 Viscosity 45 Water Loss 9. c.c. Bottom Hole Temp. 120 ° F
Chokes: Top 1/2" Bottom 1/2" Ticket No. 561

RECOVERY

Blow: Weak for 7 mins.

Recovery: 5' of mud

Lease and Well No. BLOUNT # 1 See 12 Tm 22-S Rg 24-W C/SE NW

Formation Test No. 1

R-2162

1R1-581

5

Tool Open: 1st Flow ____ hr. 30 mins: Shut-in Initial ____ hr. 30 min: 2nd Flow ____ hr. 30 min: Shut-in Final ____ hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2347</u>	<u>2294</u>
(B) Initial 1st Flow Pressure	<u>52</u>	<u>54</u>
(C) Final 1st Flow Pressure	<u>52</u>	<u>54</u>
(D) Initial Shut-in Pressure	<u>52</u>	<u>61</u>
(E) Initial 2nd Flow Pressure	<u>52</u>	<u>57</u>
(F) Final 2nd Flow Pressure	<u>52</u>	<u>57</u>
(G) Final Shut-in Pressure	<u>52</u>	<u>57</u>
(H) Final Hydrostatic Pressure	<u>2312</u>	<u>2294</u>

Ticket # 561

THUNDERBIRD DRLG., INC.

TESTING DIVISION

Box 18407

WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Blount # 1

County Hodgeman

State Kansas

Date 6-5-75

Formation Test No. 2 Total Depth 4680' Elev. _____
 Interval Tested 4669' To 4680' Anchor Length 11'
 Size Hole 7 7/8" Size Drill Pipe 4 1/2" XH FH Size Packer 6 3/4"
 Mud Weight 9.3 Viscosity 43 Water Loss 9. c.c. Bottom Hole Temp. 120 ° F
 Chokes: Top 1/2" Bottom 1/2" Ticket No. 562

RECOVERY

Blew: Weak 6 mins.

Recovery: 5' mud

Lease and Well No. BLOUNT # 1 See 12 Twn 22-S Rg 24-W C/SE NW

Formation Test No. 2

1KT-582

R-2162

5

Tool Open: 1st Flow ____ hr. 30 mins: Shut-in Initial ____ hr. 30 min: 2nd Flow ____ hr. 30 min: Shut-in Final ____ hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2206</u>	<u>2373</u>
(B) Initial 1st Flow Pressure	<u>35</u>	<u>29</u>
(C) Final 1st Flow Pressure	<u>35</u>	<u>29</u>
(D) Initial Shut-in Pressure	<u>35</u>	<u>29</u>
(E) Initial 2nd Flow Pressure	<u>35</u>	<u>29</u>
(F) Final 2nd Flow Pressure	<u>35</u>	<u>29</u>
(G) Final Shut-in Pressure	<u>35</u>	<u>29</u>
(H) Final Hydrostatic Pressure	<u>2172</u>	<u>2347</u>

Ticket # 562

THUNDERBIRD DRLG., INC.

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Box 18407

WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Blount # 1

County Hodgeman

State Kansas

Date 6-5-75

Formation Test No. 3 Total Depth 4690' Elev. _____
 Interval Tested 4679' To 4690' Anchor Length 11'
 Size Hole 7 7/8" Size Drill Pipe 4 1/2" XH FH Size Packer 6 3/4"
 Mud Weight 9.3 Viscosity 44 Water Loss 13.6 c.c. Bottom Hole Temp. 120 ° F
 Chokes: Top 1/2" Bottom 1/2" Ticket No. 563

RECOVERY

Blew: Weak blow 4 mins.

Recovery: 5' mud w/few spots oil

Lease and Well No. BLOUNT # 1 Sec 12 Twn 22-S Rg 24-W C/SE NW

Formation Test No. _____

#3

TRT-502

TR-2162

5

Tool Open: 1st Flow ____ hr. 30 mins: Shut-in Initial ____ hr. 30 min: 2nd Flow ____ hr. 30 min: Shut-in Final ____ hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2347</u>	<u>2356</u>
(B) Initial 1st Flow Pressure	<u>21</u>	<u>22</u>
(C) Final 1st Flow Pressure	<u>21</u>	<u>22</u>
(D) Initial Shut-in Pressure	<u>21</u>	<u>22</u>
(E) Initial 2nd Flow Pressure	<u>21</u>	<u>22</u>
(F) Final 2nd Flow Pressure	<u>21</u>	<u>22</u>
(G) Final Shut-in Pressure	<u>21</u>	<u>22</u>
(H) Final Hydrostatic Pressure	<u>2347</u>	<u>2356</u>

THUNDERBIRD DRLG., INC.

TESTING DIVISION

Box 18407

WICHITA, KANSAS

Company **Thunderbird Drilling Inc.**

Lease and Well No. **Blount # 1**

County **Hodgeman**

State **Kansas**

Date **6-6-75**

Formation Test No. **4** Total Depth **4712'** Elev. _____
 Interval Tested **4686'** To **4712'** Anchor Length **26'**
 Size Hole **7 7/8"** Size Drill Pipe **4 1/2" XH FH** Size Packer **6 3/4"**
 Mud Weight **9.4** Viscosity **44** Water Loss **11.6** c.c. Bottom Hole Temp. **120** ° F
 Chokes: Top **1/2"** Bottom **1/2"** Ticket No. **564**

RECOVERY

Blow: Weak steady blow

Recovery: 60' of gas
 570' of slightly mud cut froggy oil

Lease and Well No. **BLOUNT # 1 Sec 12 Twn 22-S R6 24-W C/SE NW**

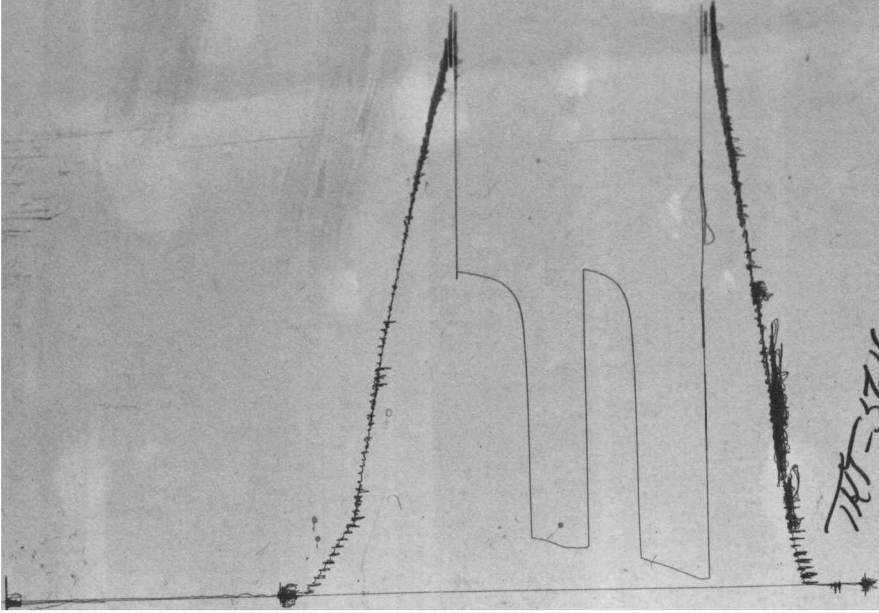
Formation Test No.

4

185-584

R-2162

5



Tool Open: 1st Flow 45 hr. 45 mins: Shut-in Initial 40 hr. 40 min: 2nd Flow 45 hr. 45 min: Shut-in Final 50 hr. 50 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2364</u>	<u>2356</u>
(B) Initial 1st Flow Pressure	<u>43</u>	<u>40</u>
(C) Final 1st Flow Pressure	<u>130</u>	<u>138</u>
(D) Initial Shut-in Pressure	<u>1367</u>	<u>1372</u>
(E) Initial 2nd Flow Pressure	<u>173</u>	<u>178</u>
(F) Final 2nd Flow Pressure	<u>216</u>	<u>232</u>
(G) Final Shut-in Pressure	<u>1367</u>	<u>1372</u>
(H) Final Hydrostatic Pressure	<u>2364</u>	<u>2347</u>

Ticket # 564

COMPANY Thunderbird Drilling Inc/ DATE 6-6-75
 LEASE Blount WELL NO. # 1 TEST NO. 4 TICKET NO. 564

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2356
INITIAL CLOSED IN PRESSURE	40 mins.	1372
INITIAL FLOW	45 mins.	40 to 138
FINAL FLOW	50 mins.	178 to 232
FINAL CLOSED IN PRESSURE	45 mins.	1372
FINAL HYDRO MUD PRESSURE		2347

TOTAL DEPTH 4712'
 PACKER DEPTH 4686'
 BT. NO. 2162 DEPTH 4707'

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	40		138		178		232
	69		1211		182		1246
	104		1280		208		1280
	138		1315		232		1306
			1334				1327
			1349				1337
			1358				1344
			1365				1353
			1372				1358
							1367
							1372
15	MINUTE INTERVAL	5	MINUTE INTERVAL	15	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA