

SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

Date 6-28-81 Location 33-3-25 SE SW Elevation 2482 KB County NOCTON

Company Thunderbird Drilling Company Number of Copies 5

Address P.O. Box 18407 WICHITA, KANSAS 67218

Charts Mailed to P.O. Box 18407 WICHITA, KANSAS 67218

Invoice Mailed to P.O. Box 18407 WICHITA, KANSAS 67218

Lease Brooks Well No. 2 Formation Tested TOPEKA Test No. 1

Depth 3475 Tested from 3406 To 3475 Packer Size 6 3/4 Anchor Length 69

Top Packer Depth 3401 ft. Bottom Packer Depth 3406 ft. Dual Packers YES

Tool Joint Size 4 1/2" FH Tool Size 5" OD Hole Size 7 7/8 Did Packer Hold YES

Drilling Contractor Thunderbird Drilling Company RIC #1

Length Drill Pipe 2809 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" FH

Length Weight Pipe 576 I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" FH

Length Drill Collars - I.D. Drill Collars - Tool Joint Size -

Tool Open I.F.P. from 9:00 P m to 9:30 P m 30 min from [B] 98 P.S.I. to [C] 237 P.S.I.

Tool Closed I.C.I.P. from 9:30 P m to 10:00 P m 30 min [D] 1159 P.S.I.

Tool Open F.F.P. from 10:00 P m to 10:30 P m 30 min from [E] 316 P.S.I. to [F] 375 P.S.I.

Tool Closed F.C.I.P. from 10:30 P m to 11:00 P m 30 min [G] 1140 P.S.I.

Initial Hydrostatic Pressure [A] 1785 P.S.I. Final Hydrostatic Pressure [H] 1765 P.S.I. Maximum Temp - °F

Blow STRONG BUILDING BLOW TO BOTTOM OF BUCKET IN 8 MIN ON FIRST OPENING STRONG BLOW ON SECOND OPENING

Gas to Surface - Min. Oil to Surface - Min. Mud Weight 9.2 Viscosity 48

Gas Gauged -

Recovery 987' TOTAL RECOVERY 120' OIL SPECKLED MUD SLIGHTLY
867' WATERY MUD 80 PPM CHL. (MUD REPORT 10000)
SLIGHT SHOW OF GAS

Remarks BRIDGE AT 1655'

Extra Equipment-Jars - Safety Joint - Straddle - Hook Wall -

Top Recorder No. 13209 Clock No. 9096

Bottom Recorder No. 13203 Clock No. 23913

Price of Job 600⁰⁰

Tool Operator Bob Johnson

Approved By Paul Montora

SUPERIOR TESTERS, INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND TO THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Ticket No 5835

SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

Date 6-29-81 Location 33-3-25 SESW Elevation 2482 KB County NORTON

Company Thunderbird DRILLING COMPANY Number of Copies 5

Address PO BOX 18407 WICHITA, KANSAS 67218

Charts Mailed to P.O. BOX 18407 WICHITA KANSAS 67218

Invoice Mailed to P.O. BOX 18407 WICHITA KANSAS 67218

Lease BROOKS Well No. 2 Formation Tested KANSAS CITY Test No. 2

Depth 3540 Tested from 3489 To 3540 Packer Size 6 3/4 Anchor Length 51

Top Packer Depth 3484 ft. Bottom Packer Depth 3489 ft. Dual Packers YES

Tool Joint Size 4 1/2" FH Tool Size 5" OD Hole Size 7 7/8 Did Packer Hold YES

Drilling Contractor Thunderbird DRILLING COMPANY RIG #1

Length Drill Pipe 2892 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" FH

Length Weight Pipe 576' I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" XH

Length Drill Collars - I.D. Drill Collars - Tool Joint Size -

Tool Open I.F.P. from 11:35 A m to 12:05 P m 30 min from [B] 59 P.S.I. to [C] 69 P.S.I.

Tool Closed I.C.I.P. from 12:05 P m to 1:05 P m 60 min [D] 1159 P.S.I.

Tool Open F.F.P. from 1:05 P m to 1:20 P m 15 min from [E] 98 P.S.I. to [F] 98 P.S.I.

Tool Closed F.C.I.P. from 1:20 P m to 1:50 P m 30 min [G] 1081 P.S.I.

Initial Hydrostatic Pressure [A] 1805 P.S.I. Final Hydrostatic Pressure [H] 1785 P.S.I. Maximum Temp - °F

Blow DICING BLOW ON FIRST OPENING DIED IN 22 MIN

DCAD BLOW ON SECOND OPENING FLUSHED TOOL GOOD SURGE NO HELP

Gas to Surface - Min. Oil to Surface - Min. Mud Weight 9.2 Viscosity 48

Gas Gauged -

Recovery 97 FEET TOTAL RECOVERY 35' SLIGHTLY OIL STAINED

MUD 35' MUDDY WATER 38% MUD 62% WATER SHOW OIL

(16,000 PPM OIL - MUD 20,000 PPM)

Remarks HOLE REAL TIGHT LAST 1500 FEET

Extra Equipment-Jars - Safety Joint - Straddle - Hook Wall -

Top Recorder No. 13208 Clock No. 9096

Bottom Recorder No. 13203 Clock No. 23913

Price of Job 600⁰⁰

Tool Operator RW Johnson

Approved By Paul A. Montoya

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Ticket No 5836

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

Date 6-30-81 Location 33-3-25 SE SW Elevation 2482 County Norton

Company Thunderbird Drilling Company Number of Copies 5

Address PO Box 18407 Wichita Kansas 67218

Charts Mailed to PO Box 18407 Wichita, Kansas 67218

Invoice Mailed to PO Box 18407 Wichita, Kansas 67218

Lease Brooks Well No. 2 Formation Tested Kansas City Test No. 3

Depth 3620 Tested from 3550 To 3620 Packer Size 6 3/4 Anchor Length 70'

Top Packer Depth 3545 ft. Bottom Packer Depth 3550 ft. Dual Packers yes

Tool Joint Size 4 1/2" FH Tool Size 5" 00 Hole Size 7 7/8 Did Packer Hold

Drilling Contractor Thunderbird Drilling Company Rig #1

Length Drill Pipe 2953 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" FH

Length Weight Pipe 576' I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" x 14

Length Drill Collars — I.D. Drill Collars — Tool Joint Size —

Tool Open I.F.P. from 4:15 A m to 5:00 A m 45 min from [B] 69 P.S.I. to [C] 59 P.S.I.

Tool Closed I.C.I.P. from 5:00 A m to 5:45 A m 45 min [D] 59 P.S.I.

Tool Open F.F.P. from 5:45 A m to 6:30 A m 45 min from [E] 59 P.S.I. to [F] 59 P.S.I.

Tool Closed F.C.I.P. from 6:30 A m to 7:15 A m 45 min [G] 59 P.S.I.

Initial Hydrostatic Pressure [A] 1883 P.S.I. Final Hydrostatic Pressure [H] 1883 P.S.I. Maximum Temp °F

Blow WEAR BLOW ON FIRST OPENING DIED IN 4.5 MIN, FLUSHED TOOL ON SECOND OPENING GOOD SURGE NO HELP

Gas to Surface — Min. Oil to Surface — Min. Mud Weight 9.4 Viscosity 47

Gas Gauged

Recovery 15' OIL SPECKED (SLIGHT) MUD

Remarks HOLE VERY TIGHT ALL THE WAY DOWN

Extra Equipment-Jars — Safety Joint — Straddle — Hook Wall —

Top Recorder No. 13208 Clock No. 9096

Bottom Recorder No. 13203 Clock No. 23913

Price of Job \$600.00

Tool Operator R. Johnson

Approved By Paul Montoya

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Ticket No 5837

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

Date 6-30-81 Location 33-3-25-SE SW Elevation 2482 County NORTON

Company Thunderbird DRILLING COMPANY Number of Copies 5

Address PO BOX 18407 WICHITA KANSAS 67218

Charts Mailed to P.O. Box 18407 WICHITA, KANSAS 67218

Invoice Mailed to PO BOX 18407 WICHITA, KANSAS 67218

Lease BROOKS Well No. 2 Formation Tested KANSAS CITY Test No. 7

Depth 3649 Tested from 3612 To 3649 Packer Size 6 3/4 Anchor Length 37'

Top Packer Depth 3607 ft. Bottom Packer Depth 3612 ft. Dual Packers YES

Tool Joint Size 4 1/2" FH Tool Size 5" OD Hole Size 7 7/8 Did Packer Hold YES

Drilling Contractor Thunderbird DRILLING COMPANY RIG #1

Length Drill Pipe 3015 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" FH

Length Weight Pipe 576' I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" FH

Length Drill Collars — I.D. Drill Collars — Tool Joint Size —

Tool Open I.F.P. from 4:55 P m to 5:10 P m 15 min from [B] 29 P.S.I. to [C] 29 P.S.I.

Tool Closed I.C.I.P. from 5:10 P m to 5:40 P m 30 min [D] 39 P.S.I.

Tool Open F.F.P. from 5:40 P m to 5:55 P m 15 min from [E] 29 P.S.I. to [F] 29 P.S.I.

Tool Closed F.C.I.P. from 5:55 P m to 6:25 P m 30 min [G] 19 P.S.I.

Initial Hydrostatic Pressure [A] 1795 P.S.I. Final Hydrostatic Pressure [H] 1785 P.S.I. Maximum Temp — °F

Blow WEAK BLOW ON FIRST OPEN DEAD IN 5 MIN, FLUSHED TOOL ON SECOND OPENING GOOD SURGE GOT A WEAK BLOW LASTED 12 MIN

Gas to Surface — Min. Oil to Surface — Min. Mud Weight 9.6 Viscosity 49

Gas Gauged —

Recovery 5 FEET VERY SLIGHTLY OIL SPECKED MUD LESS THAN 1/2 OF 1%

Remarks —

Extra Equipment-Jars — Safety Joint — Straddle — Hook Wall —

Top Recorder No. 13208 Clock No. 9096

Bottom Recorder No. 13203 Clock No. 13913

Price of Job 600.00

Tool Operator Paul Monte

Approved By Paul Monte

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Ticket No 5838

COMPANY T-BIRD FARM BROOKS WELL NO 2
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY NORTON STATE KS
 SIZE HOLE 2 7/8 DRILL PIPE 4 1/2 SIZE PUMP LINERS 6 LENGTH STROKE 60

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3000				
01	06:05	07	2	
02		10	3	
03		12	2	
04		14	2	
05		17	3	
06		20	3	Conn.
07	10:25	28	3	
08		31	3	
09		33	2	
10		36	3	
11		38	2	
12		40	2	
13		43	3	
14		46	3	
15		48	2	
16		51	3	
17		54	3	
18		57	3	
19		11:00	3	
30 20		3	3	
21		6	3	
22		9	3	
23		12	3	
24		15	3	
25		18	3	
26		21	3	
27		24	3	
28		27	3	
29		30	3	
30 30		31	1	
31		33	2	
32		34	1	
33		36	2	
34		39	3	
35		41	2	Conn Jct
36	11:55	58	3	Add PREMIX
37	1:12	01	3	
38		04	3	
39		07	3	
30 40		9	2	
41		11	2	
42		13	2	
43		16	3	
44		19	3	
45		22	3	
46		25	3	
47		28	3	
48		31	3	
49		34	3	
30 50		36	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3050				
51	12:34	39	3	
52		41	2	
53		44	3	
54		46	2	
55		48	2	
56		50	2	
57		52	2	
58		54	2	
59		56	2	
30 60		58	2	
61		1:01	3	
62		04	3	
63		6	2	
64		9	3	
65		12	3	
66		14	2	Conn
67	1:19	21	2	
68	1:26	29	3	Pump mud into PREMIX
69		30	1	
30 70		32	2	
71		33	1	
72		35	2	
73		37	2	
74		39	2	
75		41	2	
76		43	2	
77		46	3	
78		49	3	
79		52	3	
30 80		55	3	
81		58	3	
82		2:04	6	
83		8	4	
84		11	3	
85		13	2	
86		15	2	
87		17	2	
88		19	2	
89		21	2	
30 90		24	3	
91		27	3	
92		30	3	
93		31	1	
94		33	2	
95		35	2	
96		37	2	
97		39	2	Conn
98	2:45	47	2	
99		49	2	
31 00		51	2	

COMPANY T-BIRD FARM BROOKS WELL NO 2
 SEC. TWP. RGE. LOC. COUNTY NORTON STATE KS
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 SIZE PUMP LINERS 6 LENGTH STROKE 60

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3100				
01	2:51	53	2	
02		56	3	
03		57	1	
04		59	2	
05	3:00	01	1	
06		04	3	
07		06	2	
08		10	4	
09		13	3	
10		16	3	
11		19	3	
12		21	2	
13		24	3	
14		26	2	
15		27	1	
16		29	2	
17		30	1	
18		32	2	
19		34	2	
20		35	1	
21		37	2	
22		40	3	
23		44	4	
24		46	2	
25		48	2	
26		50	2	
27		51	1	
28		53	3	
29	4:06	07	1	Hook-up-
30		10	3	
31		14	4	
32		17	3	
33		22	5	
34		27	5	
35		31	4	
36		33	2	
37		36	3	
38		39	3	
39		42	2	
40		44	3	
41		47	3	
42		52	5	
43		56	4	
44		59	3	
45		5:27	4	
46		08	5	
47		10	2	
48		13	3	
49		16	3	
50		18	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	18	21	3	
52		23	2	
53		27	4	
54		30	3	
55		32	2	
56		34	2	
57		37	3	
58		39	2	
59	46	44	2	Hook-up-
60		49	1	
61		50	1	
62		52	2	
63		53	1	
64		55	2	
65		58	3	
66	6:00	01	3	
67		03	2	
68		04	1	
69		06	2	
70		09	3	
71		13	4	
72		16	3	
73		19	3	
74		22	3	
75		25	3	
76		27	2	
77		30	3	
78		34	4	
79		37	3	
80		39	2	
81		42	3	
82		45	3	
83		48	3	
84		51	3	
85		54	3	
86		56	2	
87		58	2	
88		7:11	3	
89		7:13	2	
90	7:08	11	2	CONN
91		14	3	
92		17	3	
93		21	4	
94		26	5	
95		30	4	
96		34	4	
97		43	9	
98		46	3	
99		48	2	
00		51	3	

COMPANY _____ FARM Brooks WELL NO _____

SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY _____ STATE _____

SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3200				
01	7:51	54	3	
02		58	4	
03	8:00	04	4	
04		08	4	
05		13	5	
06		16	3	
07		19	3	
08		23	4	
09		26	3	
32 10		29	3	
11		33	4	
12		36	3	
13		40	4	
14		43	3	
15		45	2	
16		49	4	
17		51	3	
18		53	2	
19	9:00	56	9	hook-up
32 20		14	5	
21		20	6	
22		27	3	
23		33	6	
24		39	6	
25		44	5	
26		49	5	
27		52	3	
28		58	6	
29		10:03	3	
32 30		07	4	
31		11	4	
32		13	2	
33		21	8	
34		23	2	
35		27	4	
36		32	5	
37		37	5	
38		41	7	
39		45	4	
32 40		49	4	
41		53	4	
42		58	5	
43		11:02	4	
44		04	2	
45		06	2	
46		08	2	
47		11	3	
48		12	1	
49		13	1	
32 50	11:23	25	3	Hook-up -

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
32 51	11:25	29	4	
52		33	4	
53		36	3	
54		38	2	
55		41	3	
56		45	4	
57		48	3	
58		52	4	
59		58	6	
32 60	12	03	5	
61		9	6	
62		15	6	
63		22	7	
64		29	7	
65		34	5	
66		39	5	
67		43	4	
68		48	5	
69		52	4	
32 70		59	7	
71	1	05	6	
72		12	7	
73		19	7	
74		26	7	
75		33	7	
76		40	7	
77		47	7	
78		54	7	
79	2	01	7	
32 80		6	5	
81	2:12	15	3	Conn
82		18	3	
83		20	2	
84		22	2	
85		24	2	
86		26	2	
87		27	1	
88		28	1	
89		30	2	
32 90		32	2	
91		34	2	
92		36	2	
93		38	2	
94		41	3	
95		43	2	
96		46	3	
97		49	3	
98		51	2	
99		53	2	
32 00		55	2	

COMPANY T-BIRD FARM BROOKS WELL NO 2
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY NORTON STATE KS
 SIZE HOLE 7 3/8 DRILL PIPE 4 1/2 SIZE PUMP LINERS 6 LENGTH STROKE 14

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
00				
33 01	2:55	57	2	
02	3	00	3	
03		3	3	
04		6	3	
05		9	3	
06		13	4	
07		17	4	
08		21	4	
09		23	2	
33 10		25	2	
11		29	4	Conn
12	3:35	39	4	
13		44	5	
14		51	7	
15		55	4	
16		4:00	5	
17		06	6	
18		10	4	
19		14	4	
33 20		18	4	
21		23	5	
22		27	4	
23		30	3	
24		34	4	
25		37	3	
26		41	4	
27		47	6	
28		53	6	
29		59	6	
33 30		5:02	3	
31		03	1	
32		06	3	
33		08	2	
34		09	1	
35		10	1	
36		12	2	
37		15	3	
38		18	3	
39		23	5	
33 40		27	4	
41		32	5	
42		38	6	
43	5:45	50	5	conn.
44		53	3	
45		57	4	
46	6	02	5	
47		6	4	
48		10	4	
49		13	3	
33 50		17	4	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
33 51	6:17	19	2	
52		22	3	
53		25	3	
54		29	4	
55		32	3	
56		35	3	
57		38	3	
58		43	5	
59		47	4	
33 60		50	3	
61		54	4	
62		58	4	
63	7	01	3	
64		4	3	
65		7	3	
66		11	4	
67		15	4	
68		21	6	
69		26	5	
33 70		30	4	
71		33	3	
72		37	4	Conn.
73	7:43	46	3	
74		49	3	
75		52	3	
76		55	3	
77		58	3	
78		8:00	2	
79		1	1	
33 80		3	2	
81		5	2	
82		8	3	
83		10	2	
84		13	3	
85		15	2	
86		18	3	
87		21	3	
88		23	2	
89		25	2	
33 90		26	1	
91		29	3	
92		33	4	
93		37	4	
94		41	4	
95		44	3	
96		48	4	
97		51	5	
98		52	1	
99		54	2	
34 00		57	3	

COMPANY 7-BIRD FARM BROOKS WELL NO 2
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY NORTON STATE KS
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 SIZE PUMP LINERS 6 LENGTH STROKE 14

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
34 00				
01	8:57	9:00	3	
02		02	2	
03		4	2	Conn, Rig
04	9:18	20	2	
05		22	2	
06		26	4	
07		29	3	
08		32	3	
09		35	3	
31 10		38	3	
11		41	3	
12		43	2	
13		45	2	
14		48	3	
15		50	2	
16		53	3	
17		56	3	
18		58	2	
19		10:01	3	
34 20		03	2	Call
21		6	3	
22		9	3	
23		12	3	
24		15	3	
25		18	3	
26		22	4	
27		26	4	
28		29	3	
29		33	4	
31 30		36	3	
31		40	4	
32		45	5	
33		49	4	Conn.
34 10:55		58	3	
35		11:02	4	
36		6	4	
37		9	3	
38		11	2	
39		13	2	
34 40		16	3	
41		19	3	
42		23	4	
43		27	4	
44		30	3	
45		32	2	
46		34	2	
47		36	2	
48		38	2	
49		40	2	
34 50		42	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
34 50				
51		44	2	
52		46	2	
53		48	2	
54		50	2	
55		53	3	
56		57	4	
57		12:01	4	
58		04	3	
59		8	4	
34 60		12	4	C.F.S STOP
61	12:53	56	3	
62		1:01	5	
63		5	4	
64		9	4	Conn.
65	1:15	17	2	
66		20	3	
67		22	2	
68		24	2	
69		27	3	
34 70		29	2	C.F.S.
71	2:33	37	4	
72		42	5	
73		48	6	
74		53	5	
75		57	4	
76	2:51	56	4	
77		3:00	4	
78		3	3	
79		6	3	
34 80		18	2	
81		10	2	
82		12	2	
83		15	3	
84		20	5	
85		24	4	
86		27	3	
87		30	3	
88		33	3	
89		37	4	
34 90		38	1	
91		40	2	
92		42	2	
93		45	3	
94		47	2	
95		50	3	
96	3:55	58	3	Conn.
97		4:01	3	
98		6	5	
99		10	4	
35 00		13	3	

COMPANY T. Bird FARM Brooks WELL NO 2
 SEC. TWP. RGE. LOC. COUNTY Wichita STATE Kansas
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 4 - FH SIZE PUMP LINERS 6" LENGTH STROKE 14"

THUNDERBIRD DRILLING INC.

DATE WICHITA, KS. PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
00				
35 01	4:13		3	
02		16	2	
03		18	3	
04		21	2	
05		23	3	
06		26	2	
07		28	3	
08		31	3	
09		34	3	
35 10		37	3	
11		40	3	
12		44	4	
13		47	3	
14		49	2	
15		52	3	
16		54	2	
17		56	2	
18	5:02	02	6	
19		05	3	
35 20		07	2	
21		09	2	
22		12	3	
23		16	4	
24		19	3	
25		23	4	
26		27	4	
27	5:34	40	6	Conn
28		47	7	
29		54	7	
35 30	6:00	6	6	
31		4	4	
32		9	5	
33		14	5	
34		18	4	
35		21	3	STOP CFS
36	33	34	1	
37		35	1	
38		36	1	
39		37	1	
35 40		40	3	
41	5:42	45	3	
42		48	3	
43		51	3	
44		54	3	
45		57	3	
46		59	2	
47		6:02	3	
48		06	4	
49		10	4	
50		15	5	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	15	19	4	
52		23	4	
53		26	3	
54		28	2	
55		31	3	
56		33	2	
57		35	2	
58	41	43	2	Hook-up
59		47	4	
60		51	4	
61		56	5	
62		7:00	4	
63		04	4	
64		09	5	
65		14	5	
66		18	4	
67		23	5	
68		28	5	
69		32	4	
70		37	5	
71		42	5	
72		47	5	
73		51	4	
74		56	5	
75		8:00	4	
76		04	4	
77		07	3	
78		10	3	
79		12	2	
80		15	3	CALL Geologist
81		18	3	877-3425
82		21	3	
83		25	4	
84		29	4	
85		32	3	
86		38	6	
87		43	5	
88		48	5	
89	53	58	5	Hook-up
90		9:02	4	
91		06	4	
92		10	4	
93		16	6	
94		21	5	
95		26	5	
96		30	4	
97		35	5	
98		39	4	
99		43	4	
36 00		47	4	

COMPANY T. Bird FARM Booker WELL NO 2
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Norton STATE Kansas
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 1 1/4 SIZE PUMP LINERS 6" LENGTH STROKE 14'

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
36 00				
01	47	52	5	
02		57	5	
03		10:02	5	
04		09	6	
05		12	4	
06		17	5	
07		22	5	
08		27	5	
09		31	4	
10		37	6	
11		41	5	
12		46	5	
13		51	5	
14		57	6	
15		11:02	5	
16		10	8	
17		15	5	
18	120	25	5	CONN
19		27	3	
36 20		30	3	STOP CFS
21	10:31	34	3	
22		37	3	
23		41	3	
24		46	5	
25		50	4	
26		54	4	
27		58	4	
28		11:01	3	
29		6	5	
30		11	5	
31		16	5	
32		21	5	
33		26	5	
34		31	5	
35		36	5	
36		41	5	
37		46	5	
38		52	6	
39		57	5	
40		12:02	5	
41		8	6	
42		16	8	
43		22	6	
44		27	5	
45		33	5	
46		37	4	
47		41	4	
48		46	5	DST #4
49		50	5	CONN CFS
50	959	1001	5	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	1001	03	2	
52		05	2	
53		07	2	
54		09	2	
55		11	2	
56		14	3	
57		17	3	
58		20	3	
59		23	3	
60		25	2	
61		28	3	
62		32	4	
63		36	4	
64		40	4	
65		45	5	
66		50	5	
67		54	4	
68		57	3	
69	11	01	4	
70		5	4	
71		10	5	
72		15	5	
73		18	3	
74		22	4	
75		25	3	
76		28	3	
77		32	4	
78		36	4	
79		40	4	
80		45	5	CONN
81	1149	53	4	
82		57	4	
83	12	00	3	
84		4	4	
85		7	3	
86		11	4	
87		15	4	
88		19	4	
89		23	4	
90		28	5	
91		32	4	
92		37	5	
93		41	4	
94		43	2	
95		44	3	
96		49	3	
97		53	4	
98		56	3	
99	1	00	4	
00		4	4	

COMPANY T-BIRD FARM BROOKS WELL NO 2
 SEC. TWP. RGE. LOC. COUNTY NORTON STATE KS
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 SIZE PUMP LINERS 6 LENGTH STROKE 14

THUNDERBIRD DRILLING INC.

DATE WICHITA, KS. PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
37 00				
01	1:04	8	4	
02		12	4	
03		15	3	
04		18	3	
05		22	4	
06		24	4	
07		29	3	
08		33	4	
09		36	3	
37 10		40	4	
11	1:45	50	5	conn
12		54	6	
13	2	01	5	
14		6	5	
15		11	5	
16		16	5	
17		21	5	
18		26	5	
19		29	3	
37 20		32	3	
21		35	3	
22		37	2	
23		40	3	
24		43	3	
25		46	3	
26		49	3	
27		53	4	
28		56	3	
29	3	01	5	
37 30		6	5	
31		11	5	
32		16	5	
33		20	4	
34		24	4	
35		27	3	
36		30	3	
37		33	3	
38		36	3	
39		39	3	
37 40		41	2	
41	4:54	53	2	
42		56	3	
43	5	00	3	
44		3	3	
45		6	3	
46		10	4	
47		14	4	
48		19	5	
49		26	7	
37 50		33	7	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
37 51	5:33	36	8	
52		38	2	
53		41	3	
54		46	5	
55		52	6	
56		55	3	
57	6	00	5	
58		4	4	
59		8	4	
37 60		11	3	
61		16	5	
62		21	5	
63		26	5	
64		31	5	
65		37	6	
66		42	5	
67		46	4	
68		49	3	
69		52	3	
37 70		54	2	STOP
71	9:51	54	3	
72		59	5	
73		10:04	5	
74		9	5	
75		12	3	
76		15	3	
77		18	3	
78		22	4	
79		27	5	
37 80		33	6	
81		39	6	
82		47	8	
83		52	5	
84		57	5	
85		11:01	4	
86		05	4	
87		9	4	
88		14	5	
89		18	4	
37 90		22	4	
91		25	3	
92		28	3	
93		32	4	
94		35	3	
95		38	3	
96		41	3	
97		45	4	
98		51	6	
99		57	6	
38 00		12:02	5	

COMPANY T. BIRD FARM BROOKS WELL NO 2
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY NORTON STATE KS
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 SIZE PUMP LINERS 6 LENGTH STROKE 14

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
38 00				
01	12:02	6	4	
02		9	3	
03		12	3	Put new RADIATORS
04	2:17	21	4	ON Pump
05		26	5	check pull on motor
06	12:35	39	4	
07		44	5	
08		50	6	
09		55	5	
38 10		59	4	
11		3:02	3	
12		4	2	
13		6	2	
14		8	2	
15		10	2	
16		13	3	
17		18	5	
18		23	5	
19		28	5	
38 20		30	2	
21		33	3	
22		36	3	
23		38	2	
24		40	2	
25		42	2	
26		45	3	
27		47	2	
28		48	1	
29		50	2	
38 30		52	2	
31		54	2	
32		57	3	
33		59	2	
34		4:03	4	
35	11	14	3	Hook-up
36		17	3	
37		20	3	
38		23	3	
39		26	3	
38 40		29	3	
41		33	4	
42		36	3	
43		39	3	
44		44	5	
45		47	3	
46		50	3	
47		53	3	
48		57	4	
49		5:01	4	
38 50		04	3	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
38 50				
51	504	08	4	
52		11	3	
53		14	3	
54		17	3	
55		21	4	
56		25	4	
57		28	3	
58		31	3	
59		34	3	
38 60		38	4	
61		41	3	
62		44	3	
63		47	3	
64		50	3	
65		52	2	
66	6:07	10	3	Hook-up
67		12	2	
68		15	3	
69		18	3	
38 70		21	3	STOP
71	21	23	2	
72		25	2	
73		27	2	
74		30	3	
75		32	2	
76		34	2	
77		37	3	
78		40	3	
79		42	2	
38 80		44	2	
81		46	2	
82		48	2	
83		50	2	
84		52	2	
85		55	3	
86		57	2	
87		59	2	
88		8:02	3	
89		05	3	
38 90		07	2	
91		10	3	
92		16	6	
93		20	4	
94		25	5	
95		28	3	
96		30	2	CONN
97	39	42	3	
98		44	2	
99		47	3	
39 00		50		

COMPANY T-D-Drill FARM Brooks WELL NO 2
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Wichita STATE Kansas
 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH-FH SIZE PUMP LINERS 6" LENGTH STROKE 14

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
39 00	850	53	3	
01		56	3	
02		59	3	
03		904	5	
04		06	2	
05		10	4	
06		14	4	
07		18	4	
08		21	3	
09		23	2	
39 10		26	3	
11		29	3	
12		32	3	
13		34	2	
14		37	3	
15		40	3	
16		42	2	
17		45	3	
18		48	3	
19		50	2	
39 20		52	2	
21		56	4	
22		59	3	
23		1001	2	
24		03	2	
25		07	4	
26		09	2	
27		15	18	3 Hook-up
28		21	3	
29		23	2	
39 30		26	3	
31		08	2	
32		31	3	
33		33	2	
34		35	2	
35		38	3	
36		41	3	
37		44	3	
38		48	4	
39		52	4	
39 40		55	3	
41		57	2	
42		1101	4	
43		05	4	
44		08	3	
45		11	3	
46		14	3	
47		17	3	
48		21	4	
49		23	2	
39 50				

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
39 50	1123	26	3	
51		29	3	
52		33	4	
53		36	3	
54		39	3	
55		42	3	
56		46	4	
57		49	3	
58		1156	59	3 conn
39 60	12	02	3	
61		5	3	
62		8	3	
63		11	3	
64		14	3	
65		17	3	
66		20	3	
67		23	3	
68		26	3	
69		30	4	
39 70		34	4	
71		37	3	
72		41	4	
73		44	3	
74		47	3	
75		50	3	
76		53	3	
77		56	3	
78		58	2	
79		1 01	3	
39 80		4	3	
81		7	3	
82		10	3	
83		13	3	
84		16	3	
85		19	3	
86		21	2	
87		24	3	
88		27	3	
89		29	2	
39 90	135	38	3	conn
91		42	4	
92		46	4	
93		50	4	
94		53	3	
95		57	4	
96	2	00	3	
97		3	3	
98		7	4	
99		10	3	
40 00		13	3	

THUNDERBIRD DRILLING INC.

DATE _____ WICHITA, KS. PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
40 00				
01	213	17	4	
02		21	4	
03		24	3	
04		27	3	
05		31	4	
06		36	5	
07		40	4	
08		44	4	
09		48	4	
40 10		53	5	
11		57	4	
12	3	00	3	
13		3	3	
14		7	4	
15		10	3	
16		12	2	
17		15	3	
18		17	2	
19		20	3	
40 20		23	3	
21	329	31	2	Conn
22		33	2	
23		35	2	
24		37	2	
25		38	1	
26		39	1	
27		40	1	
28		41	1	
29		42	1	
40 30		43	1	
31		45	2	
32		48	3	
33		52	4	
34		56	4	
35	406	4	4	
36		5	5	
37		9	4	
38		13	4	
39		17	4	
40 40		22	5	
41		26	4	
42		30	4	
43		35	5	
44		40	5	
45		45	5	
46		49	4	
47		54	5	
48		59	5	
49	604	5	5	
40 50		8	4	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51				
52				
53				
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55				
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57				
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61				
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63				
64				
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66				
67				
68				
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99				
00				

13208

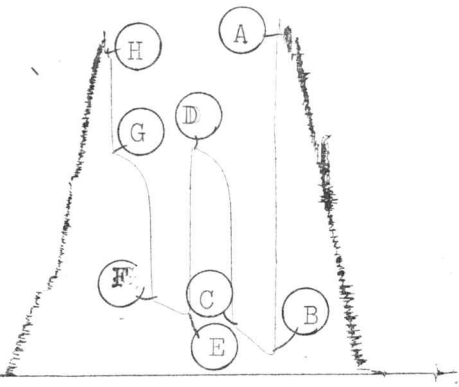
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8835

Thunderbird Drilling
Brooks #2

3406-3475 Kansas City

6/28/81

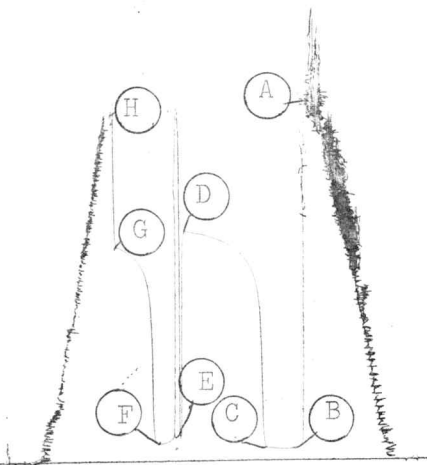


13208

DST# 2

5856

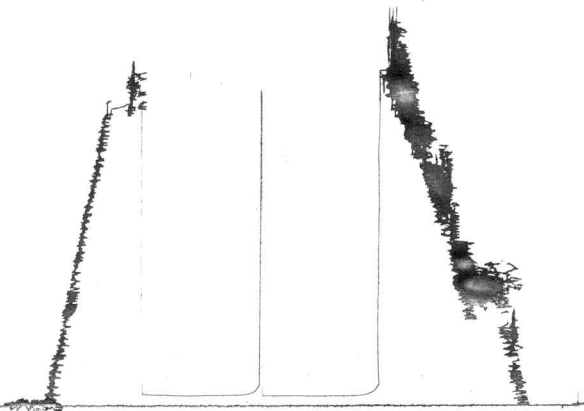
Thunderbird Drilling
Brooks #2
3489-3540 Kansas City
6/29/81



13203

DST#3

5837

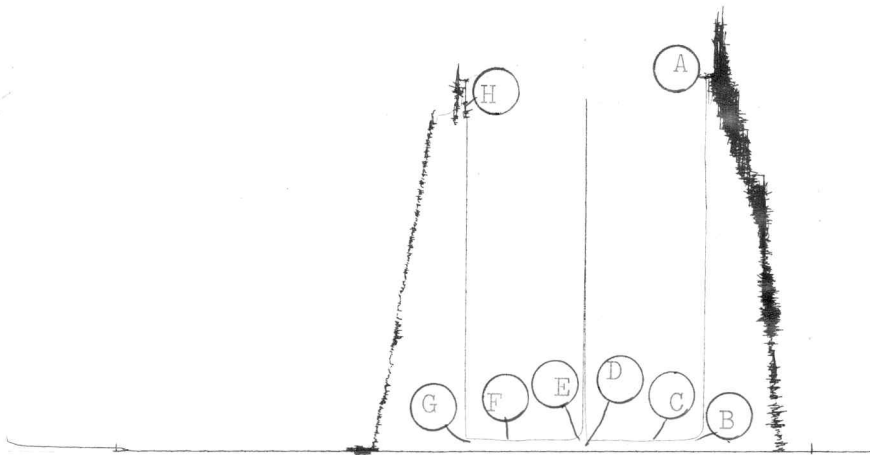


13256

DST # 3

5837

Thunderbird Drilling
3550-3620 Kansas City
Brooks # 2
6/30/81

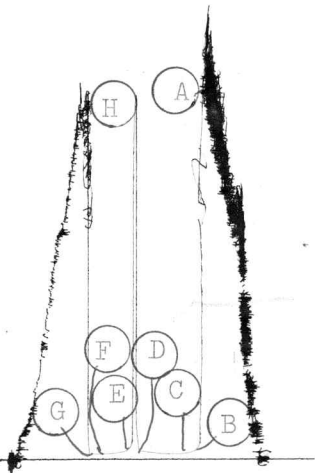


13208

PST # 4

5858

Thunderbird Drilling
Brooks # 2
3612-3649 Kansas City
6/30/81



13203

DST# 4

5838

