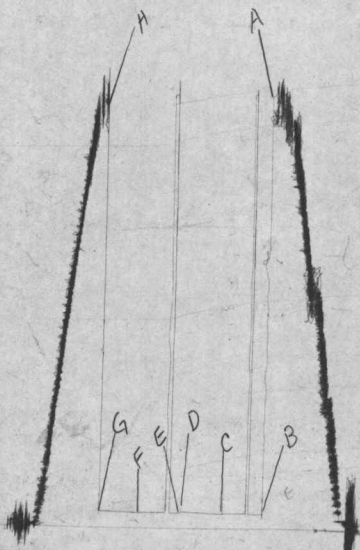




5328

MILLER TESTING COMPANY

Box-547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING CO.

Lease and Well No. WINDHOLZ #1

County NESS State KANSAS Date APRIL 30, 1967

Formation Test No.	<u>1</u>	Total Depth	<u>3315</u>	Elev.	<u>2023 DF</u>
Interval Tested	<u>3281</u>	To	<u>3315</u>	Anchor Length	<u>34'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>10.3</u>	Viscosity	<u>40</u>	Water Loss	<u>15</u> c.c.
				Bottom Hole Temp.	<u>103</u> ° F
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>8328</u>

RECOVERY

WEAK BLOW 3 MINUTES. FLUSHED TOOL IN 10 MINUTES. ON FIRST AND SECOND OPENING. NO BLOW.

15 FEET OF DRILLING MUD.

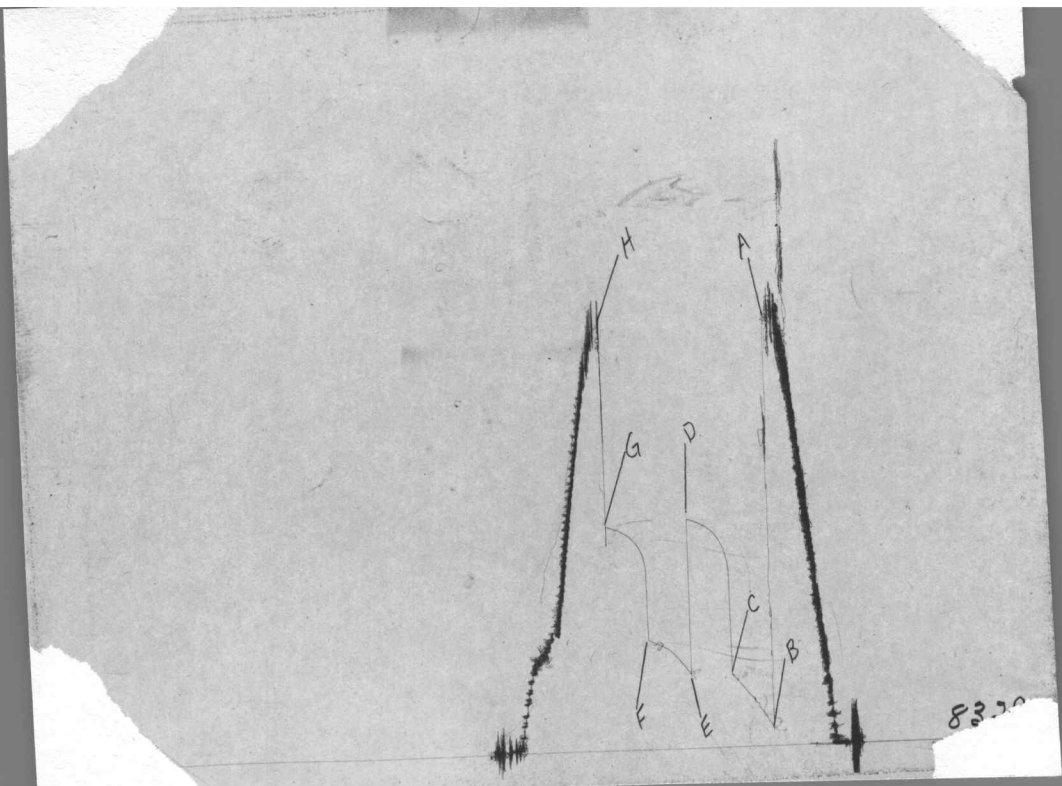
Lease and Well No. WINDHOLZ #1 32 12S 16W SW NE SW

Formation Test No. 1

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>1870</u>	<u>1879</u>
(B) Initial 1st Flow Pressure	<u>51</u>	<u>61</u>
(C) Final 1st Flow Pressure	<u>51</u>	<u>63</u>
(D) Initial Shut-in Pressure	<u>68</u>	<u>73</u>
(E) Initial 2nd Flow Pressure	<u>59</u>	<u>66</u>
(F) Final 2nd Flow Pressure	<u>59</u>	<u>66</u>
(G) Final Shut-in Pressure	<u>68</u>	<u>70</u>
(H) Final Hydrostatic Pressure	<u>1861</u>	<u>1870</u>

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MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING CO.

Lease and Well No. WINDHOLZ #1

County ELLIS State KANSAS Date MAY 1, 1967

Formation Test No. 2 Total Depth 3366 Elev. 2023 DF
Interval Tested 3318 To 3366 Anchor Length 48'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 Size Packer 6 3/4
Mud Weight 10.3 Viscosity 40 Water Loss 15 c.c. Bottom Hole Temp. 110 ° F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 8329

RECOVERY

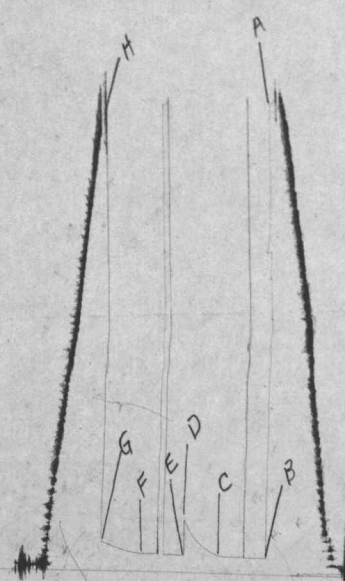
GOOD BLOW THROUGHOUT TEST.

840 FEET OF MUDDY SALT WATER.

Lease and Well No. WINDHOLZ #1 32 1 25 16W SW NE SW
Formation Test No. 2

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>1878</u>	<u>1879</u>
(B) Initial 1st Flow Pressure	<u>61</u>	<u>73</u>
(C) Final 1st Flow Pressure	<u>306</u>	<u>320</u>
(D) Initial Shut-in Pressure	<u>994</u>	<u>1003</u>
(E) Initial 2nd Flow Pressure	<u>314</u>	<u>330</u>
(F) Final 2nd Flow Pressure	<u>476</u>	<u>478</u>
(G) Final Shut-in Pressure	<u>969</u>	<u>981</u>
(H) Final Hydrostatic Pressure	<u>1870</u>	<u>1862</u>



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MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING CO.

Lease and Well No. WINDHOLZ #1

County ELLIS State KANSAS Date MAY 2, 1967

Formation Test No. 3 Total Depth 3430 Elev. 2023 DF
 Interval Tested 3382 To 3430 Anchor Length 48'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 Size Packer 6 3/4
 Mud Weight 10.3 Viscosity 38 Water Loss 16 c.c. Bottom Hole Temp. 106 ° F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 8330

RECOVERY

WEAK BLOW 12 MINUTES. FLUSHED TOOL IN 15 MINUTES ON FIRST AND SECOND OPENINGS.

20 FEET OF DRILLING MUD.

Lease and Well No. WINDHOLZ #1 32 12S 16W SW NE SW

Formation Test No. 3

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>1929</u>	<u>1936</u>
(B) Initial 1st Flow Pressure	<u>59</u>	<u>71</u>
(C) Final 1st Flow Pressure	<u>68</u>	<u>73</u>
(D) Initial Shut-in Pressure	<u>212</u>	<u>221</u>
(E) Initial 2nd Flow Pressure	<u>68</u>	<u>75</u>
(F) Final 2nd Flow Pressure	<u>76</u>	<u>77</u>
(G) Final Shut-in Pressure	<u>122</u>	<u>126</u>
(H) Final Hydrostatic Pressure	<u>1919</u>	<u>1921</u>