

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PETROLEUM, INC.

Lease and Well No. FRITTS "B" #1

County GRAHAM State KANSAS Date MARCH 7, 1972

Formation Test No. 1 Total Depth 3663 Elev. _____

Interval Tested 3609 To 3663 Anchor Length 54'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H. Size Packer 6 3/4

Mud Weight 10 Viscosity 43 Water Loss 9 c.c. Bottom Hole Temp. 108 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11764

Length of Drill Collar _____ I. D. _____ Length Flexweight 527 I. D. 2.76

RECOVERY

WEAK INTERMITTENT BLOW THROUGHOUT TEST.

50 FEET OF HEAVY MUD.

10 FEET OF SLIGHTLY OIL CUT MUD- THIS WAS THE TOP OF THE FLUID.

Lease and Well No. FRITTS "B" 1

29-10S-22W

C NE NE

Formation Test No. 1

COMPANY PETROLEUM, INC.

DATE MARCH 7, 1972

LEASE FRITTS "B"

WELL NO. 1

TEST NO. 1

TICKET NO. 11764

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2038
INITIAL CLOSED IN PRESSURE	30 MINS.	1053
INITIAL FLOW	30 MINS.	78 to 87
FINAL FLOW	30 MINS.	93 to 97
FINAL CLOSED IN PRESSURE	60 MINS.	1072
FINAL HYDRO MUD PRESSURE		2026

TOTAL DEPTH 3663

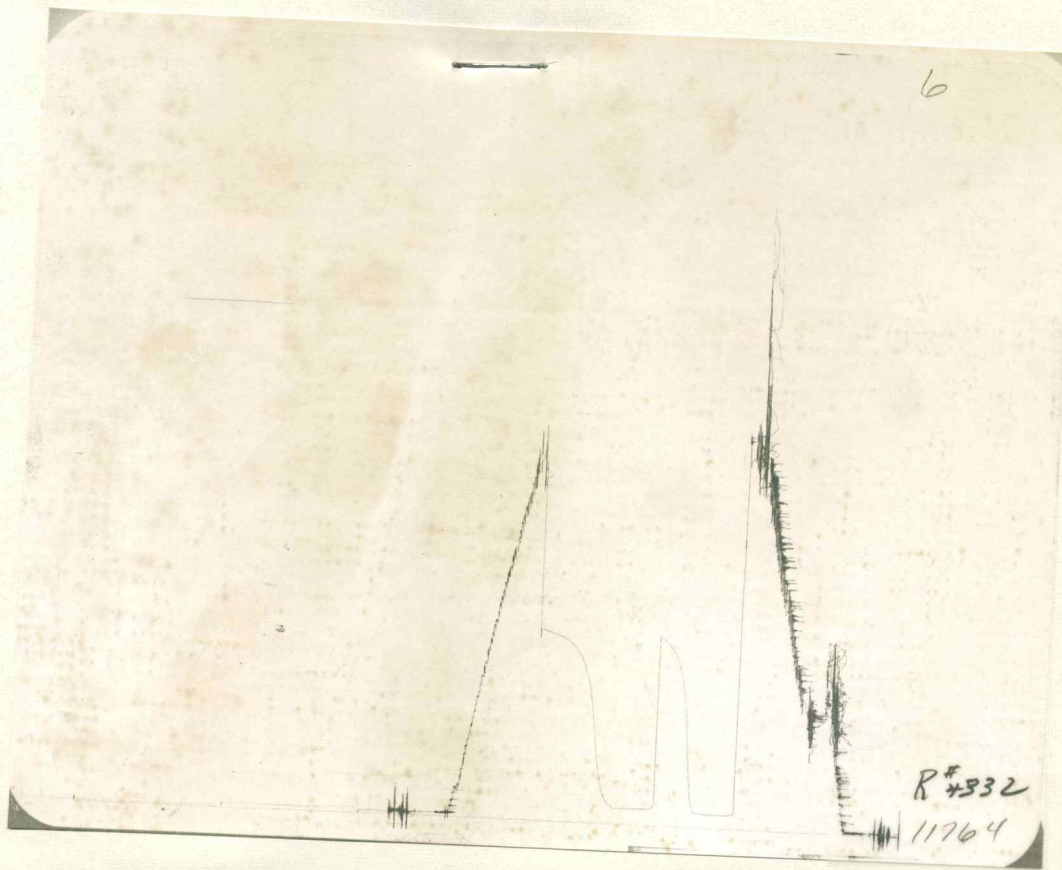
PACKER DEPTH 3609

BT. NO. 4332 DEPTH 3658

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	78		87		93		97
	78		216		93		108
	87		700		97		162
			913				379
			987				753
			1034				881
			1053				945
							987
							1019
							1038
							1053
							1064
							1072
	15 MINUTE INTERVAL		5 MINUTE INTERVAL		15 MINUTE INTERVAL		5 MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 60 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2049</u>	<u>2038</u>
(B) Initial 1st Flow Pressure	<u>76</u>	<u>78</u>
(C) Final 1st Flow Pressure	<u>76</u>	<u>87</u>
(D) Initial Shut-in Pressure	<u>1062</u>	<u>1053</u>
(E) Initial 2nd Flow Pressure	<u>87</u>	<u>93</u>
(F) Final 2nd Flow Pressure	<u>87</u>	<u>97</u>
(G) Final Shut-in Pressure	<u>1062</u>	<u>1072</u>
(H) Final Hydrostatic Pressure	<u>2028</u>	<u>2026</u>

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Company PETROLEUM, INC.

Lease and Well No. FRITTS "B" #1

County GRAHAM State KANSAS

Date MARCH 7, 1972

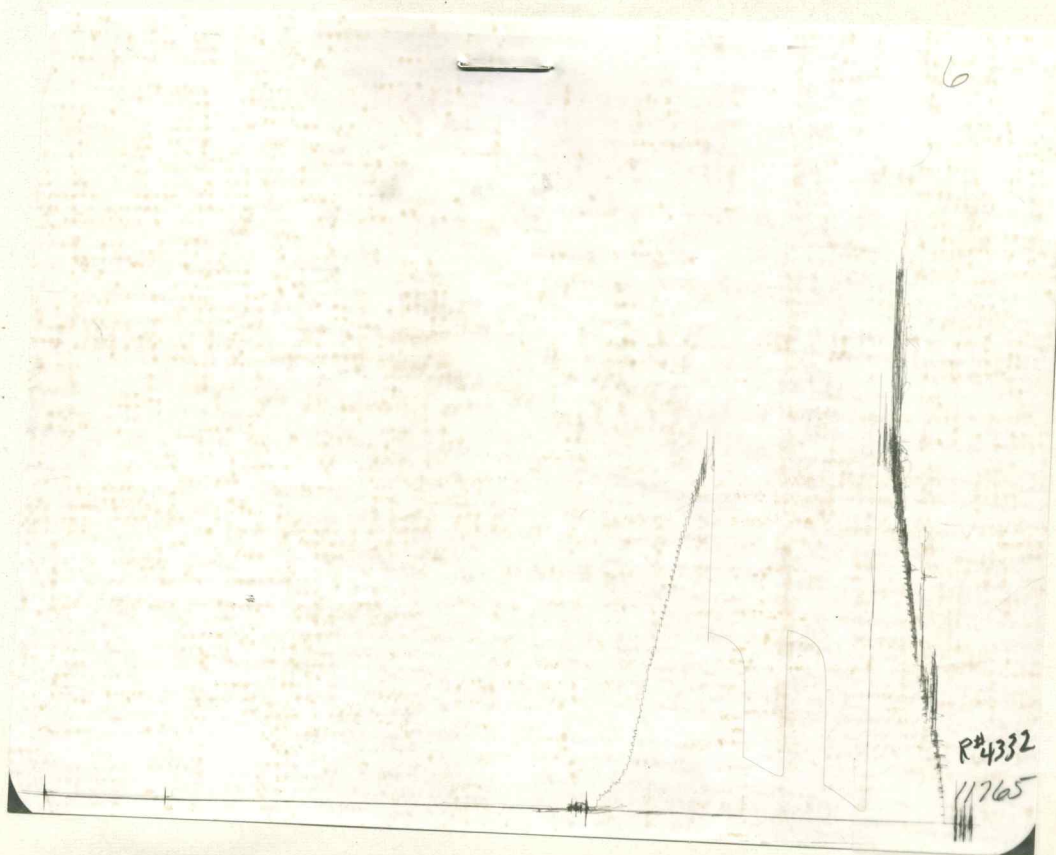
Formation Test No.	<u>2</u>	Total Depth	<u>3684</u>	Elev.	
Interval Tested	<u>3663</u>	To	<u>3684</u>	Anchor Length	<u>21'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2 X.H.</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>10</u>	Viscosity	<u>43</u>	Water Loss	<u>9</u> c.c.
				Bottom Hole Temp.	<u>116</u> °F
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>11765</u>
Length of Drill Collar		I. D.		Length Flexweight	<u>527</u>
				I. D.	<u>2.76</u>

RECOVERY

FAIR BLOW THROUGHOUT TEST.

620 FEET OF MUDDY SALT WATER.

Lease and Well No. FRITTS "B" 1
29-10S-22W
C NE NE
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>2049</u>	<u>2049</u>
(B) Initial 1st Flow Pressure	<u>43</u>	<u>56</u>
(C) Final 1st Flow Pressure	<u>206</u>	<u>199</u>
(D) Initial Shut-in Pressure	<u>1051</u>	<u>1055</u>
(E) Initial 2nd Flow Pressure	<u>227</u>	<u>238</u>
(F) Final 2nd Flow Pressure	<u>325</u>	<u>335</u>
(G) Final Shut-in Pressure	<u>1009</u>	<u>1019</u>
(H) Final Hydrostatic Pressure	<u>2006</u>	<u>2017</u>

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Company PETROLEUM, INC.

Lease and Well No. FRITTS "B" #1

County GRAHAM State KANSAS Date MARCH 8, 1972

Formation Test No.	<u>3</u>	Total Depth	<u>3740</u>	Elev.	
Interval Tested	<u>3688</u>	To	<u>3740</u>	Anchor Length	<u>52'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2 X.H.</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>10.2</u>	Viscosity	<u>49</u>	Water Loss	<u>9</u> c.c.
				Bottom Hole Temp.	<u>106</u> °F
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>11766</u>
Length of Drill Collar		I. D.		Length Flexweight	<u>527</u>
				I. D.	<u>2.76</u>

RECOVERY

WEAK STEADY BLOW THROUGHOUT TEST.

193 FEET OF HEAVY MUD.
60 FEET OF THIN MUD.

Lease and Well No. FRITTS "B" #1 29-10S-22W C NE NE Formation Test No. 3

COMPANY PETROLFUM, INC.

DATE MARCH 8, 1972

LEASE FRITTS "B"

WELL NO. 1

TEST NO. 3

TICKET NO. 11766

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2208
INITIAL CLOSED IN PRESSURE	30 MINS.	1085
INITIAL FLOW	30 MINS.	67 to 154
FINAL FLOW	30 MINS.	162 to 193
FINAL CLOSED IN PRESSURE	60 MINS.	1102
FINAL HYDRO MUD PRESSURE		2187

TOTAL DEPTH 3740

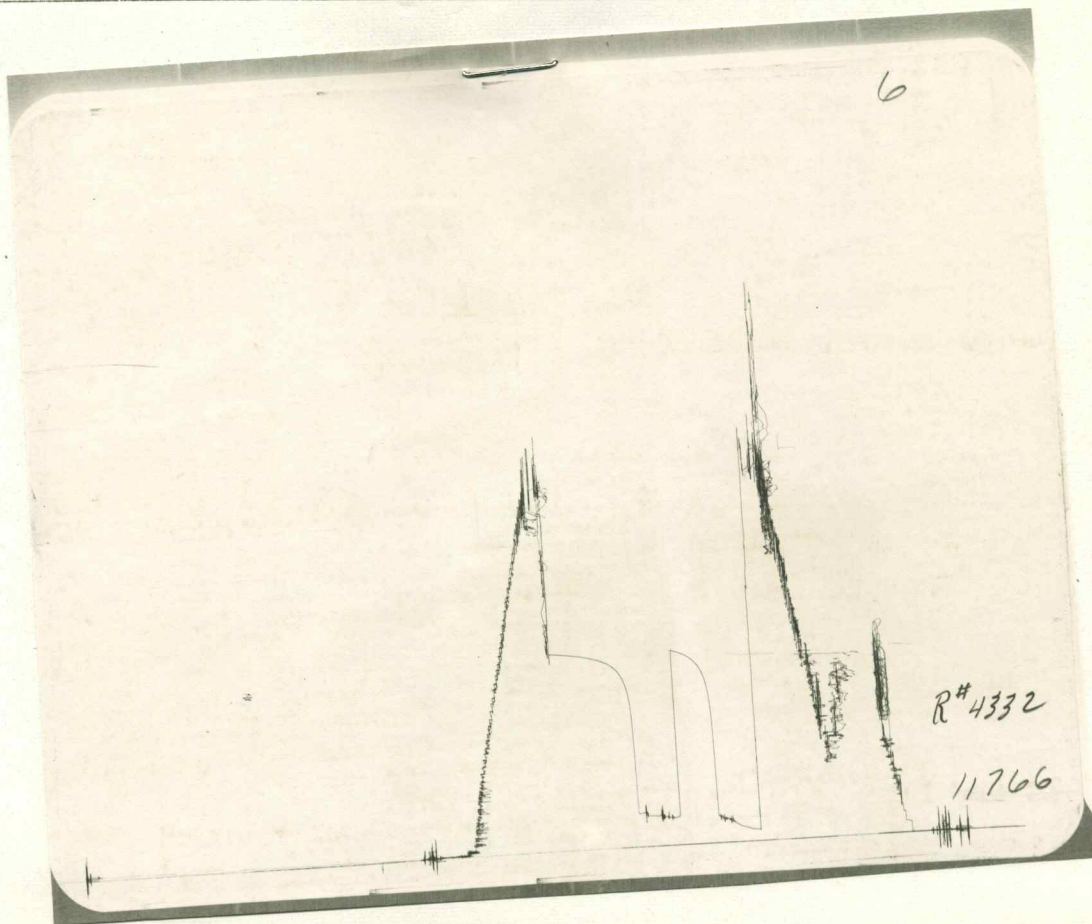
PACKER DEPTH 3688

BT. NO. 4332 DEPTH 3735

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	67		154		162		193
	93		881		173		934
	153		991		193		987
			1030				1019
			1057				1040
			1072				1053
			1085				1064
							1074
							1083
							1089
							1093
							1097
							1102
15	MINUTE INTERVAL	5	MINUTE INTERVAL	15	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 60 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2091</u>	<u>2208</u>
(B) Initial 1st Flow Pressure	<u>54</u>	<u>67</u>
(C) Final 1st Flow Pressure	<u>152</u>	<u>154</u>
(D) Initial Shut-in Pressure	<u>1072</u>	<u>1085</u>
(E) Initial 2nd Flow Pressure	<u>152</u>	<u>162</u>
(F) Final 2nd Flow Pressure	<u>184</u>	<u>193</u>
(G) Final Shut-in Pressure	<u>1083</u>	<u>1102</u>
(H) Final Hydrostatic Pressure	<u>2070</u>	<u>2187</u>

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Company PETROLEUM, INC.

Lease and Well No. FRITTS "B" #1

County GRAHAM State KANSAS Date MARCH 9, 1972

Formation Test No. 4 Total Depth 3798 Elev. _____

Interval Tested 3742 To 3798 Anchor Length 56'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 X.H. Size Packer 6 3/4

Mud Weight 10 Viscosity 47 Water Loss 7.2 c.c. Bottom Hole Temp. 108 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11767

Length of Drill Collar _____ I. D. _____ Length Flexweight 527 I. D. 2.76

RECOVERY

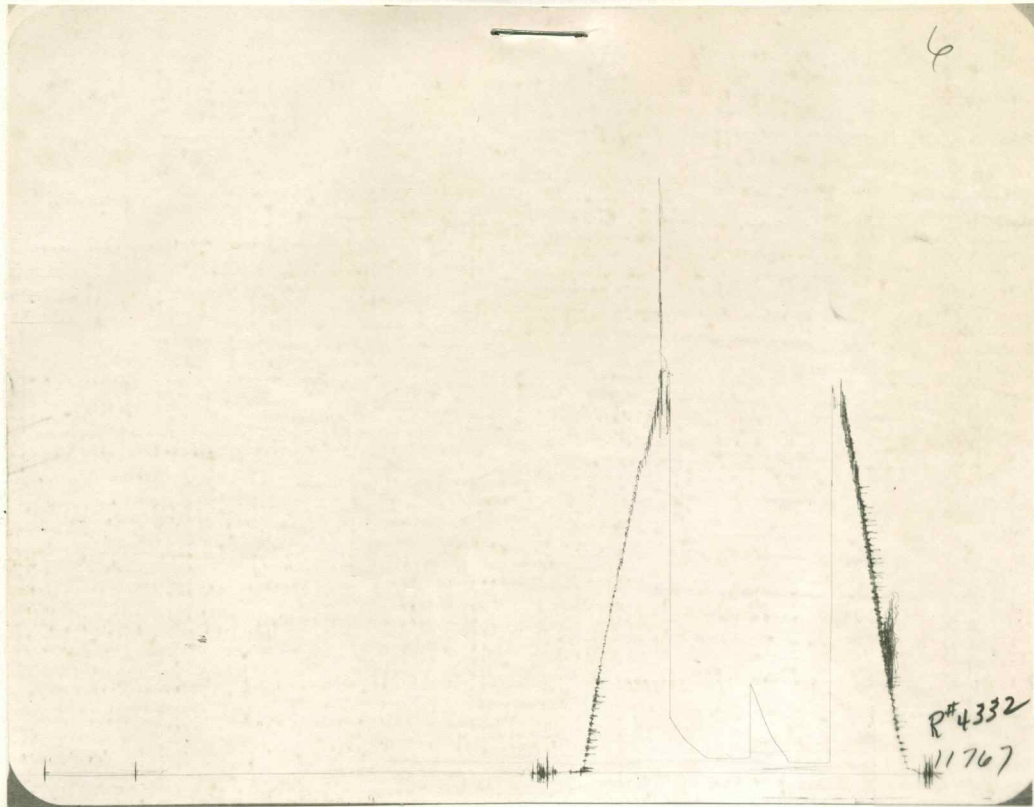
WEAK TO INTERMITTENT BLOW FOR 28 MINUTES. THEN DEAD. NO BLOW ON SECOND FLOW.

55 FEET OF MUD WITH A FEW OIL SPECKS IN TOP OF TOOL.

Lease and Well No. FRITTS "B" #1 29-10S-22W

C NE NE

Formation Test No. 4



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2070</u>	<u>2134</u>
(B) Initial 1st Flow Pressure	<u>54</u>	<u>65</u>
(C) Final 1st Flow Pressure	<u>54</u>	<u>65</u>
(D) Initial Shut-in Pressure	<u>519</u>	<u>511</u>
(E) Initial 2nd Flow Pressure	<u>65</u>	<u>87</u>
(F) Final 2nd Flow Pressure	<u>65</u>	<u>87</u>
(G) Final Shut-in Pressure	<u>303</u>	<u>314</u>
(H) Final Hydrostatic Pressure	<u>2060</u>	<u>2113</u>

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County GRAHAM State KANSAS Date MARCH 9, 1972

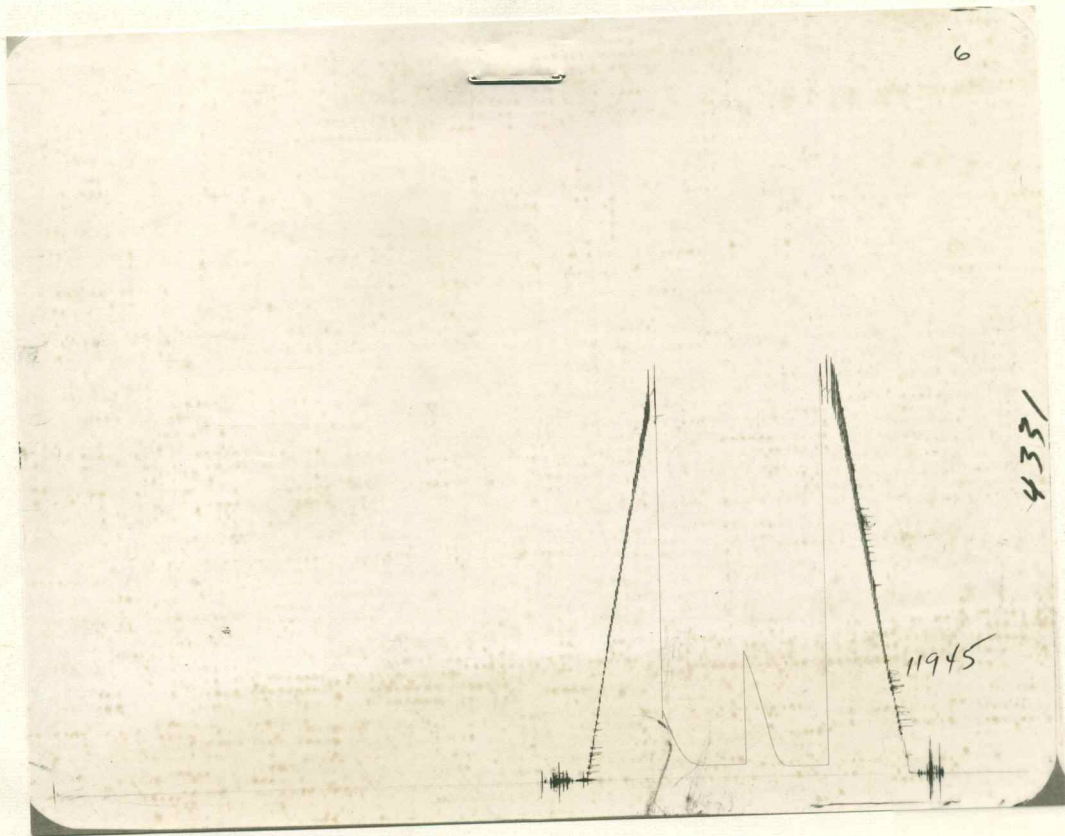
Formation Test No.	<u>5</u>	Total Depth	<u>3858</u>	Elev.	<u>2345 D.F.</u>
Interval Tested	<u>3795</u>	To	<u>3858</u>	Anchor Length	<u>63'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2 X.H.</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>10.4</u>	Viscosity	<u>55</u>	Water Loss	<u>11.8</u> c.c.
				Bottom Hole Temp.	<u>110</u> °F
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>11945</u>
Length of Drill Collar		I. D.		Length Flexweight	<u>1052</u>
				I. D.	<u>2.76</u>

RECOVERY

WEAK BLOW FOR 16 MINUTES- DEAD.

5 FEET OF MUD.

Lease and Well No. FRITTS "B" #1 19-10S-22W C NE NE Formation Test No. 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>2256</u>	<u>2246</u>
(B) Initial 1st Flow Pressure	<u>54</u>	<u>57</u>
(C) Final 1st Flow Pressure	<u>54</u>	<u>57</u>
(D) Initial Shut-in Pressure	<u>696</u>	<u>713</u>
(E) Initial 2nd Flow Pressure	<u>65</u>	<u>74</u>
(F) Final 2nd Flow Pressure	<u>65</u>	<u>74</u>
(G) Final Shut-in Pressure	<u>382</u>	<u>393</u>
(H) Final Hydrostatic Pressure	<u>2235</u>	<u>2172</u>

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