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SEP 25 1979.

Lease and Well No. _____

FLAGLER #1

33-11S-22W W/2 NW NW

Formation Test No. 1

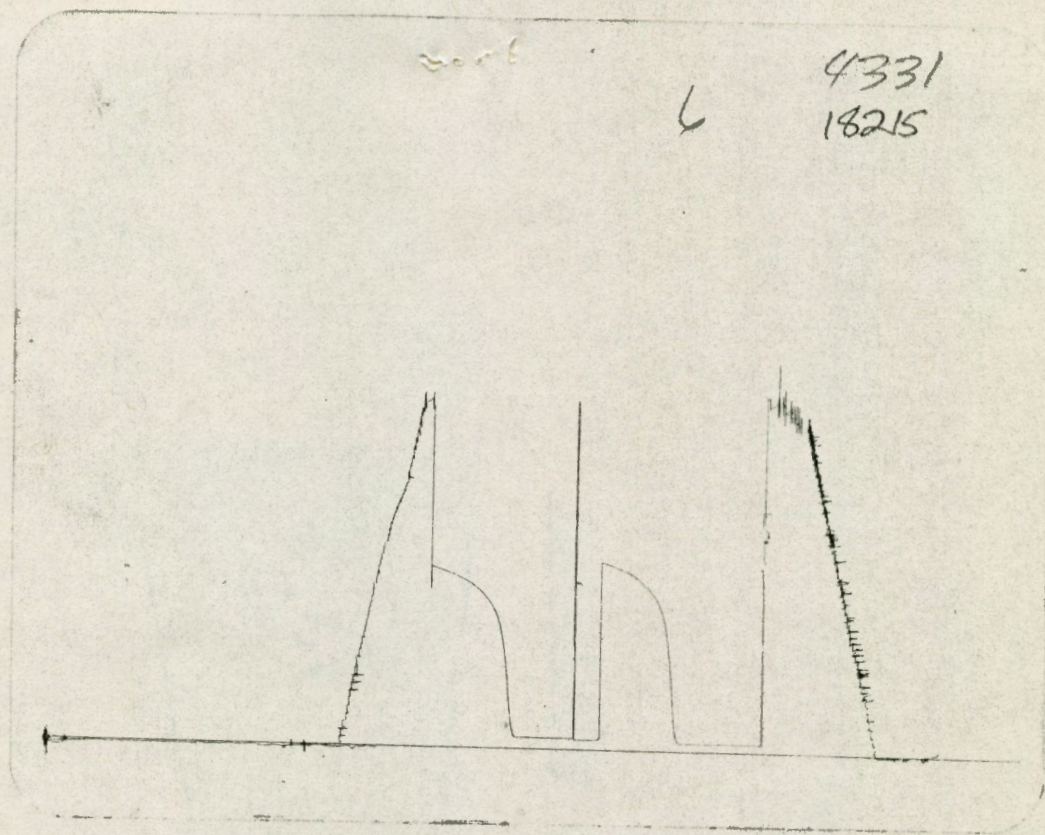


DRILL STEM TEST REPORT

well

4331

18215



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

| | Field Reading | Corrected Reading |
|----------------------------------|---------------|-------------------|
| (A) Initial Hydrostatic Pressure | <u>1951</u> | <u>1945</u> |
| (B) Initial 1st Flow Pressure | <u>43</u> | <u>45</u> |
| (C) Final 1st Flow Pressure | <u>43</u> | <u>45</u> |
| (D) Initial Shut-in Pressure | <u>1082</u> | <u>1055</u> |
| (E) Initial 2nd Flow Pressure | <u>54</u> | <u>56</u> |
| (F) Final 2nd Flow Pressure | <u>54</u> | <u>61</u> |
| (G) Final Shut-in Pressure | <u>1040</u> | <u>1015</u> |
| (H) Final Hydrostatic Pressure | <u>1930</u> | <u>1928</u> |

18215

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company FOXFIRE EXPLORATION AND G. N. RUPE OIL CO.

Lease and Well No. FLAGLER #1

County TREGO State KANSAS Date 9-11-79

Formation Test No. 1 Total Depth 3642 Elev. _____

Interval Tested 3602 To 3642 Anchor Length 40'

Size Hole 7 7/8 Size Drill Pipe 4 1/2" Size Packer 6 3/4

Mud Weight 9.8 Viscosity 42 Water Loss 12.6 c.c. Bottom Hole Temp. 104 °F

Chokes: Top 1/2" Bottom 1/2" Ticket No. 18215

Length of Drill Collar _____ I. D. _____ Length Flexweight 949 I. D. 2.75

RECOVERY

FIRST OPENING: WEAK BLOW FOR 50 MINUTES.

SECOND OPENING: VERY WEAK BLOW FOR 8 MINUTES. FLUSHED TOOL, GOOD SURGE,
NO BLOW.

20 FEET OF MUD.

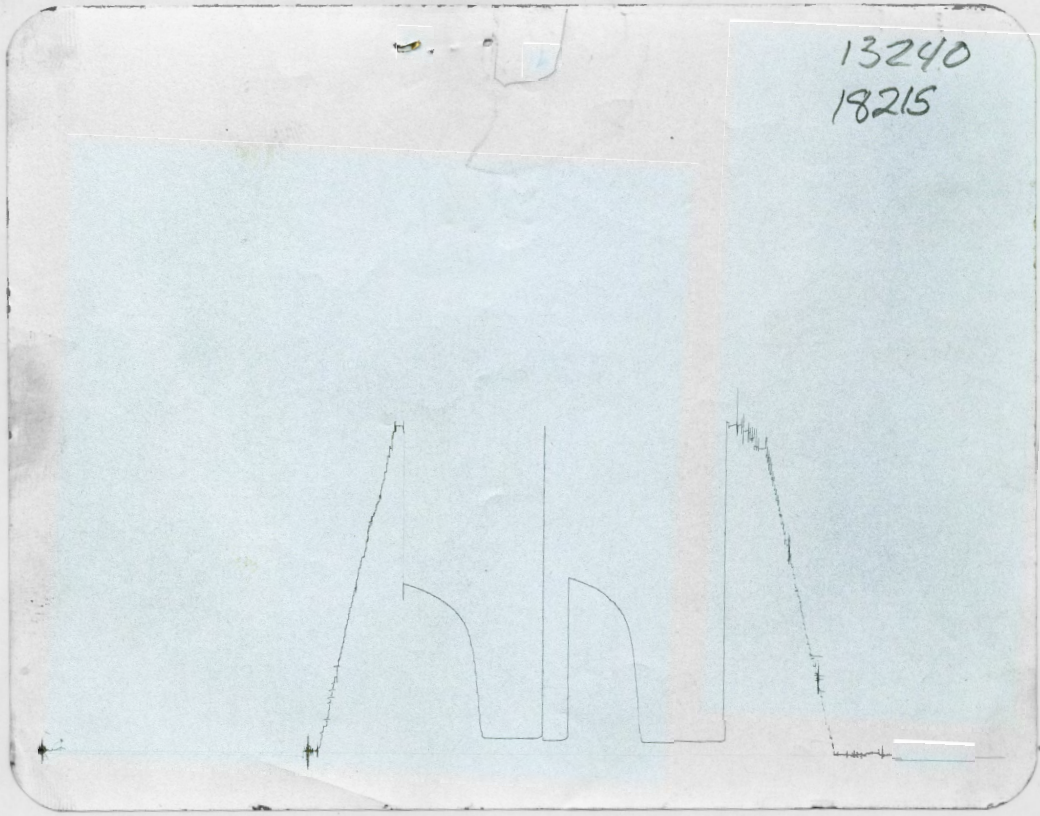
Lease and Well No.

FLAGLER #1

33-11S-22W W/2 NW NW

Formation Test No. 1

13240
18215



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SEP 25 1979

Lease and Well No. FLAGLER #1 33-11S-22W W/2 NW NW

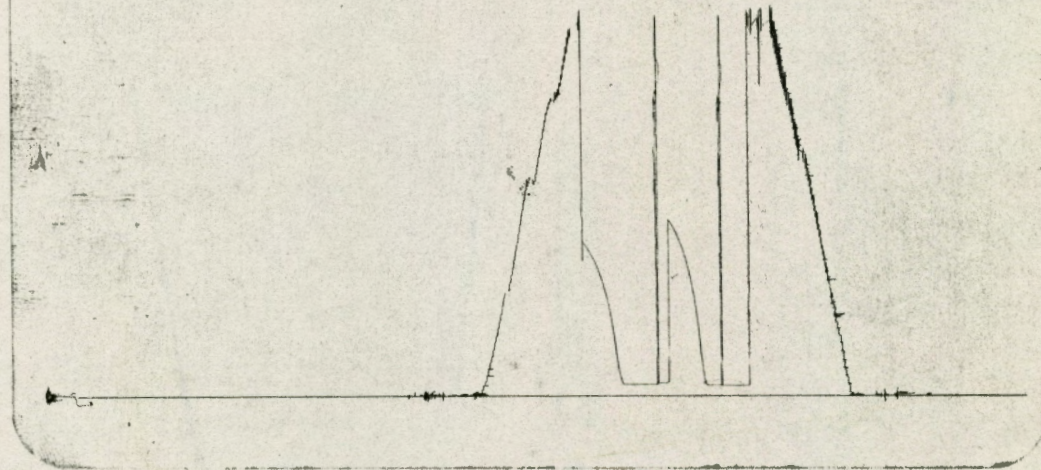
Formation Test No. 2



DRILL STEM TEST REPORT

6

4331
18216



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>2098</u> | <u>2131</u> |
| (B) Initial 1st Flow Pressure | <u>65</u> | <u>65</u> |
| (C) Final 1st Flow Pressure | <u>65</u> | <u>65</u> |
| (D) Initial Shut-in Pressure | <u>1019</u> | <u>998</u> |
| (E) Initial 2nd Flow Pressure | <u>65</u> | <u>78</u> |
| (F) Final 2nd Flow Pressure | <u>65</u> | <u>78</u> |
| (G) Final Shut-in Pressure | <u>868</u> | <u>868*</u> |
| (H) Final Hydrostatic Pressure | <u>2077</u> | <u>2069</u> |

18216

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company FOXFIRE EXPLORATION AND G.N. RUPE OIL CO.

Lease and Well No. FLAGLER #1

County TREGO State KANSAS Date 9-13-79

| | | | | | |
|------------------------|--------------|-----------------|-----------------|-------------------|---------------|
| Formation Test No. | <u>2</u> | Total Depth | <u>3857</u> | Elev. | |
| Interval Tested | <u>3807</u> | To | <u>3857</u> | Anchor Length | <u>50'</u> |
| Size Hole | <u>7 7/8</u> | Size Drill Pipe | <u>4 1/2 F.</u> | Size Packer | <u>6 3/4</u> |
| Mud Weight | <u>9.6</u> | Viscosity | <u>57</u> | Water Loss | <u>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>18216</u> |
| Length of Drill Collar | | I. D. | | Length Flexweight | <u>949</u> |
| | | | | I. D. | <u>2.75</u> |

RECOVERY

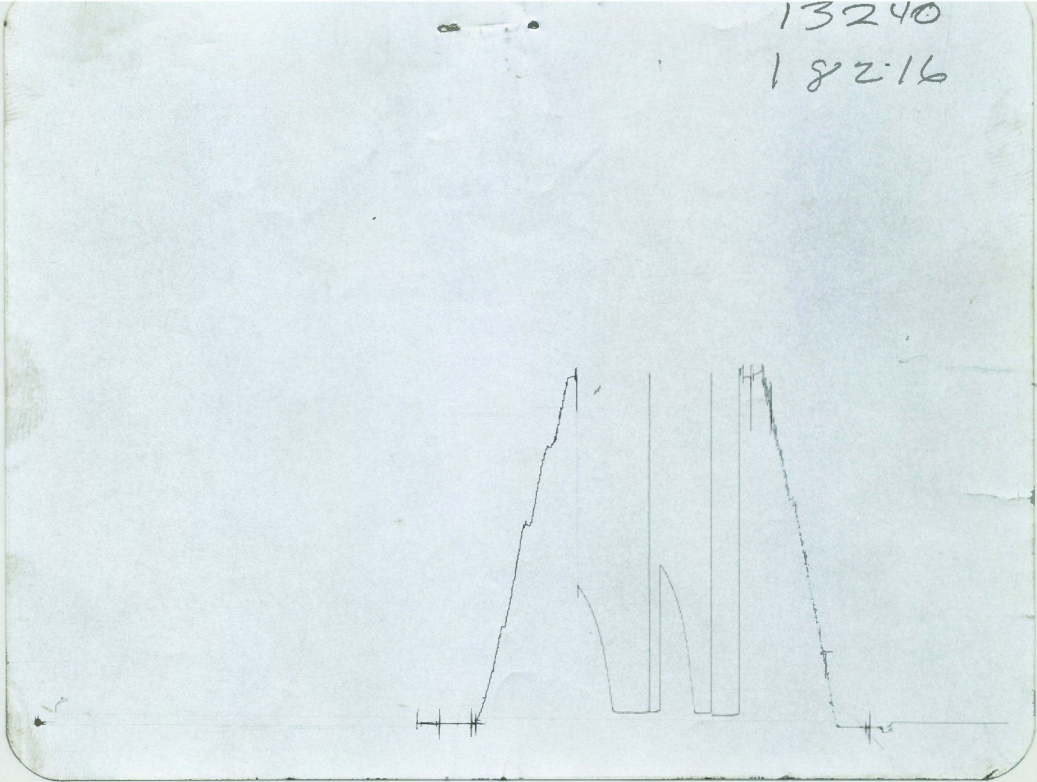
FIRST OPENING: WEAK BLOW FOR 15 MINUTES. FLUSHED TOOL, GOOD SURGE.
SECOND OPENING: NO BLOW, FLUSHED TOOL, GOOD SURGE, NO BLOW.

6 FEET OF MUD.

Lease and Well No. FLAGLER #1 33-11S-22W W/2 NW NW Formation Test No. 2

13240

18216



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SEP 25 1979

Lease and Well No. FLAGLER #1 33-11S-22W W/2 NW NW

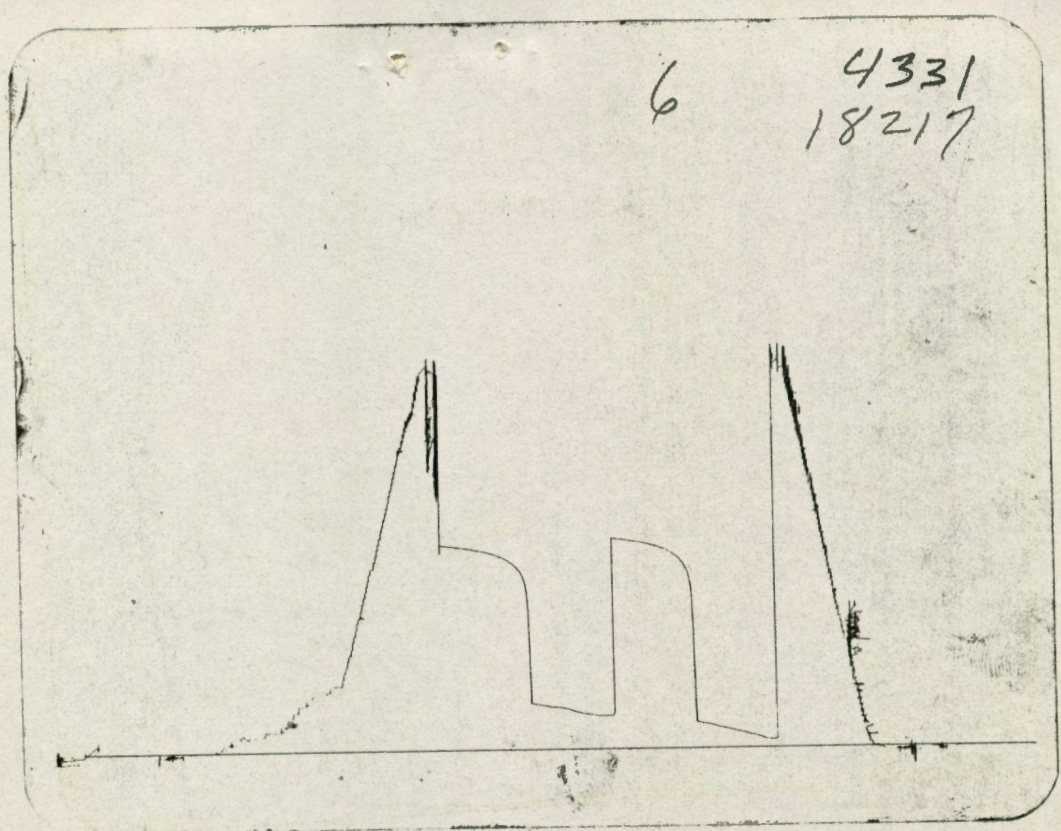
Formation Test No. 3



DRILL STEM TEST REPORT

6

4331
18217



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

| | Field Reading | Corrected Reading |
|----------------------------------|---------------|-------------------|
| (A) Initial Hydrostatic Pressure | <u>2140</u> | <u>2169</u> |
| (B) Initial 1st Flow Pressure | <u>43</u> | <u>52</u> |
| (C) Final 1st Flow Pressure | <u>152</u> | <u>146</u> |
| (D) Initial Shut-in Pressure | <u>1189</u> | <u>1185</u> |
| (E) Initial 2nd Flow Pressure | <u>196</u> | <u>188</u> |
| (F) Final 2nd Flow Pressure | <u>272</u> | <u>254</u> |
| (G) Final Shut-in Pressure | <u>1157</u> | <u>1154</u> |
| (H) Final Hydrostatic Pressure | <u>2119</u> | <u>2106</u> |

18217

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company FOXFIRE EXPLORATION AND G. N. RUPE OIL CO.

Lease and Well No. FLAGLER #1

County TREGO State KANSAS Date 9-14-79

Formation Test No. 3 Total Depth 3980 Elev. _____

Interval Tested 3941 To 3980 Anchor Length 39

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

Mud Weight 9.8 Viscosity 42 Water Loss 8 c.c. Bottom Hole Temp. 110 °F

Chokes: Top 1/2" Bottom 1/2" Ticket No. 18217

Length of Drill Collar _____ I. D. _____ Length Flexweight 949 I. D. 2.75

RECOVERY

STRONG BLOW THROUGHOUT TEST.

279 FEET OF GAS.

279 FEET OF FREE OIL.

372 FEET OF OIL CUT MUD.

23 % OIL, 77 % MUD ON 4# ST. 248

21 % OIL, 79 % MUD ON 2# ST. 124

Lease and Well No.

FLAGLER #1

33-11S-22W

W/2 NW NW

Formation Test No.

3

COMPANY FOXFIRE EXPLORATION & G.N. RUPE OIL CO. DATE 9-14-79

LEASE FLAGLER WELL NO. 1 TEST NO. 3 TICKET NO. 18217

| | TIME | PSI |
|----------------------------|------------|---------|
| INITIAL HYDRO MUD PRESSURE | | 2169 |
| INITIAL CLOSED IN PRESSURE | 60 MINUTES | 1185 |
| INITIAL FLOW | 60 MINUTES | 52-146 |
| FINAL FLOW | 60 MINUTES | 188-254 |
| FINAL CLOSED IN PRESSURE | 60 MINUTES | 1154 |
| FINAL HYDRO MUD PRESSURE | | 2106 |

TOTAL DEPTH 3980

PACKER DEPTH 3941

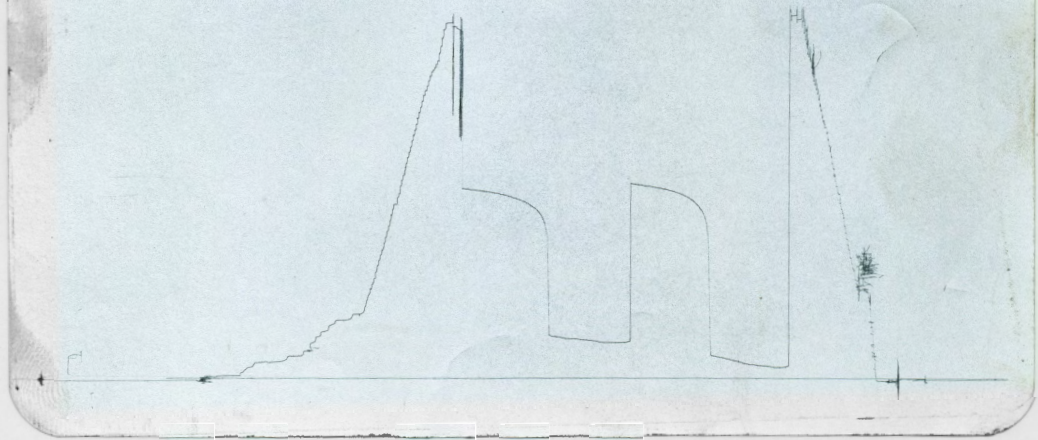
AK-1 NO. 4331 DEPTH 3975

| 1ST FLOW PRESSURE | | INITIAL CIP | | 2ND FLOW PRESSURE | | FINAL CIP | |
|--------------------|-----|-------------------|------|--------------------|-----|-------------------|------|
| | 52 | | 146 | | 188 | | 254 |
| | 61 | | 958 | | 199 | | 1024 |
| | 94 | | 1055 | | 230 | | 1057 |
| | 127 | | 1097 | | 248 | | 1077 |
| | 146 | | 1119 | | 254 | | 1091 |
| | | | 1136 | | | | 1105 |
| | | | 1149 | | | | 1115 |
| | | | 1159 | | | | 1123 |
| | | | 1164 | | | | 1132 |
| | | | 1171 | | | | 1137 |
| | | | 1177 | | | | 1142 |
| | | | 1182 | | | | 1152 |
| | | | 1185 | | | | 1154 |
| 15 MINUTE INTERVAL | | 5 MINUTE INTERVAL | | 15 MINUTE INTERVAL | | 5 MINUTE INTERVAL | |

REMARKS _____

SPECIAL PRESSURE DATA

13240
18217



18217

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