

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS

Lease and Well No. JARVIS & SHIVERS #1

County SHERMAN State KANSAS Date NOVEMBER 24, 1979

Formation Test No.	<u>1</u>	Total Depth	<u>4170</u>	Elev.	
Interval Tested	<u>4128</u>	To	<u>4170</u>	Anchor Length	<u>42'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4/2"</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>9.3</u>	Viscosity	<u>36</u>	Water Loss	<u>9 c.c.</u>
				Bottom Hole Temp.	<u>113 °F</u>
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>16874</u>
Length of Drill Collar	<u>175</u>	I. D.		Length Flexweight	<u>915</u>
				I. D.	<u>2.25</u>

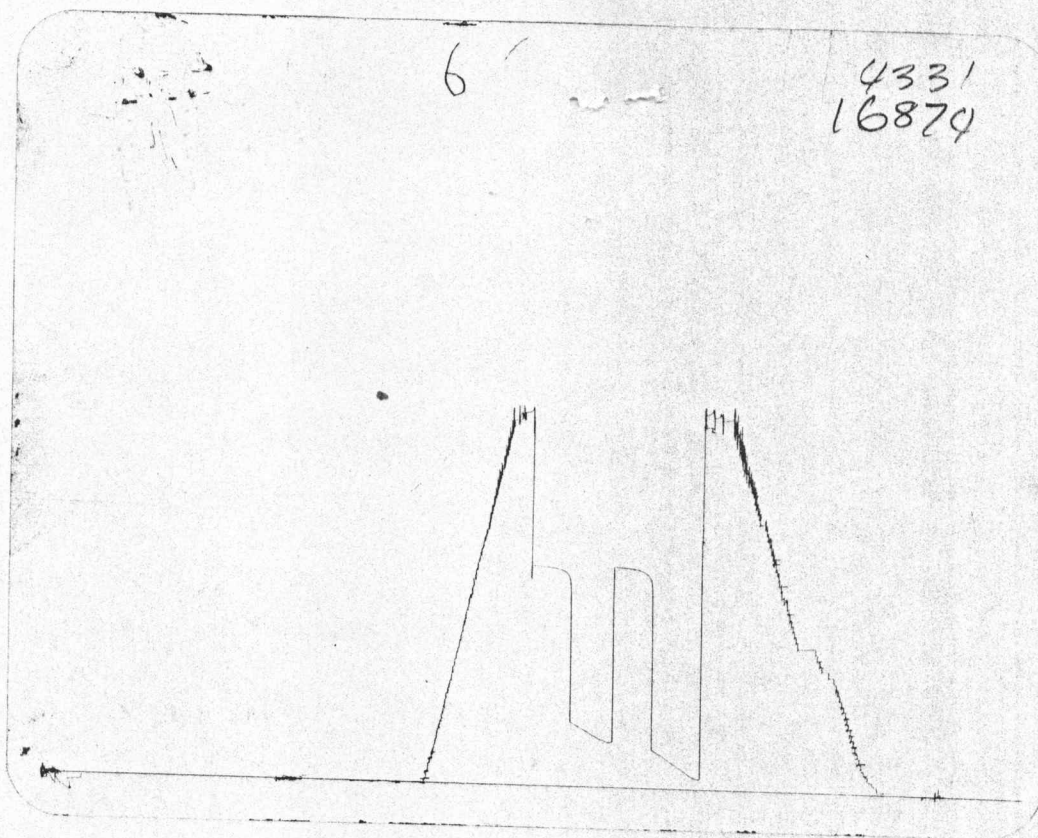
RECOVERY

STRONG BLOW THROUGHOUT TEST.

682 FEET OF MUDDY WATER.

Lease and Well No. JARVIS & SHIVERS # 1 2-6S-37W C NE NE

Formation Test No. 1



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>2119</u>	<u>1088</u>
(B) Initial 1st Flow Pressure	<u>65</u>	<u>56</u>
(C) Final 1st Flow Pressure	<u>218</u>	<u>220</u>
(D) Initial Shut-in Pressure	<u>1253</u>	<u>1240</u>
(E) Initial 2nd Flow Pressure	<u>262</u>	<u>255</u>
(F) Final 2nd Flow Pressure	<u>371</u>	<u>371</u>
(G) Final Shut-in Pressure	<u>1253</u>	<u>1240</u>
(H) Final Hydrostatic Pressure	<u>2098</u>	<u>2077</u>

16874

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS
Lease and Well No. JARVIS & SHIVERS # 1
County SHERMAN State KANSAS Date NOVEMBER 25, 1979

Formation Test No. 2 Total Depth 4286 Elev. _____
Interval Tested 4249 To 4286 Anchor Length 37'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 Size Packer 6 3/4
Mud Weight 9.5 Viscosity 43 Water Loss 8.8 c.c. Bottom Hole Temp. 112 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 16875
Length of Drill Collar 175 I. D. _____ Length Flexweight 195 I. D. 2.24

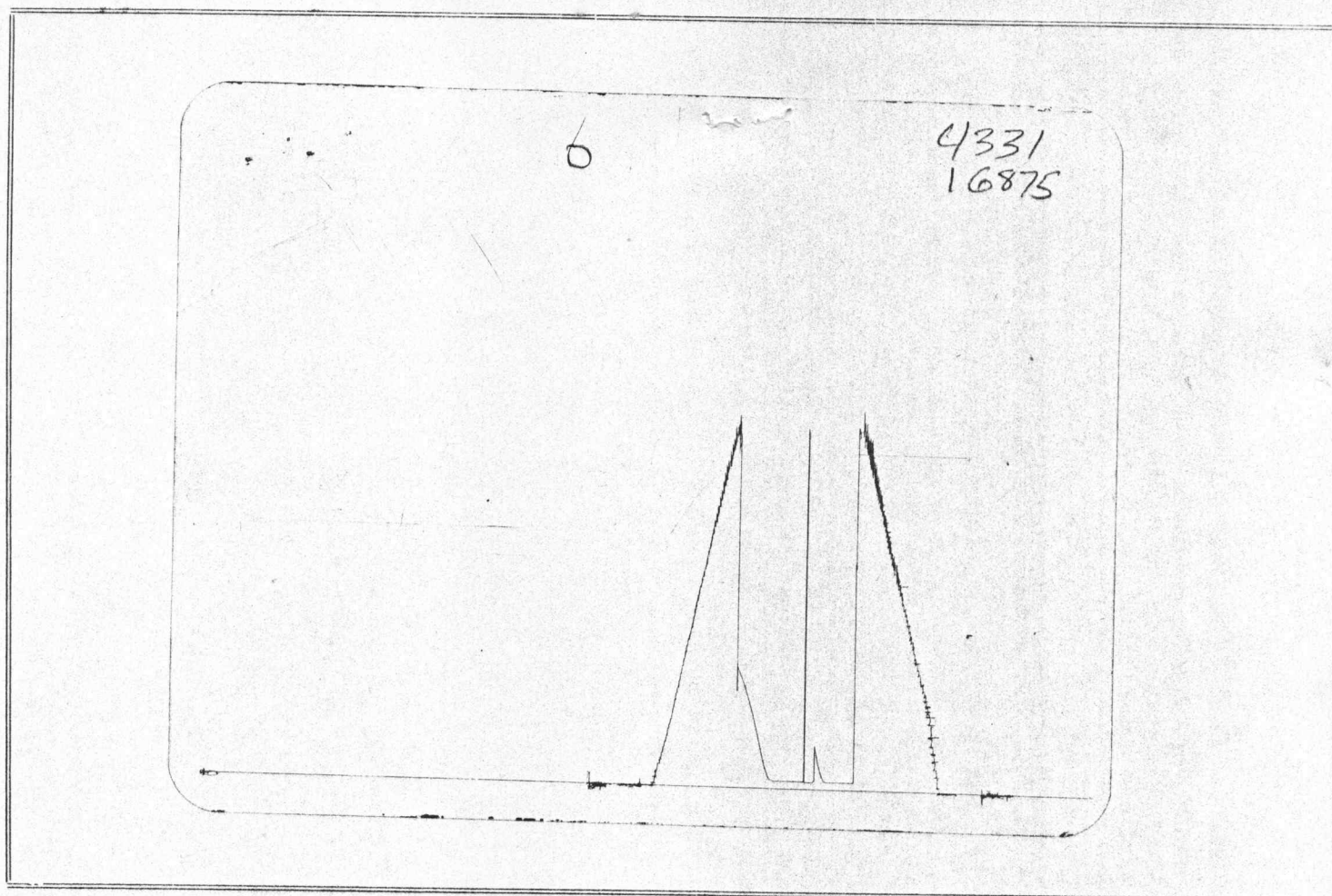
RECOVERY

FIRST FLOW: WEAK BLOW FOR 6 MINUTES, THEN DIED.
SECOND FLOW: FLUSHED TOOL, GOOD SURGE, VERY WEAK BLOW FOR 3 MINUTES.

3 FEET OF MUD.

Lease and Well No. JARVIS & SHIVERS #1 2-6S-37W C NE NE

Formation Test No. 2



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 15 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2203</u>	<u>2201</u>
(B) Initial 1st Flow Pressure	<u>43</u>	<u>48</u>
(C) Final 1st Flow Pressure	<u>43</u>	<u>48</u>
(D) Initial Shut-in Pressure	<u>283</u>	<u>270</u>
(E) Initial 2nd Flow Pressure	<u>43</u>	<u>45</u>
(F) Final 2nd Flow Pressure	<u>43</u>	<u>45</u>
(G) Final Shut-in Pressure	<u>760</u>	<u>754</u>
(H) Final Hydrostatic Pressure	<u>2182</u>	<u>2191</u>

16875

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS
Lease and Well No. JARVIS & SHIVERS # 1
County SHERMAN State KANSAS Date NOVEMBER 26, 1979

Formation Test No.	<u>3</u>	Total Depth	<u>4394</u>	Elev.	
Interval Tested	<u>4360</u>	To	<u>4394</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>9.8</u>	Viscosity	<u>47</u>	Water Loss	<u>8.8</u> c.c. Bottom Hole Temp. <u>114</u> °F
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>18251</u>
Length of Drill Collar	<u>175</u>	I. D.		Length Flexweight	<u>915</u> I. D. <u>2.25</u>

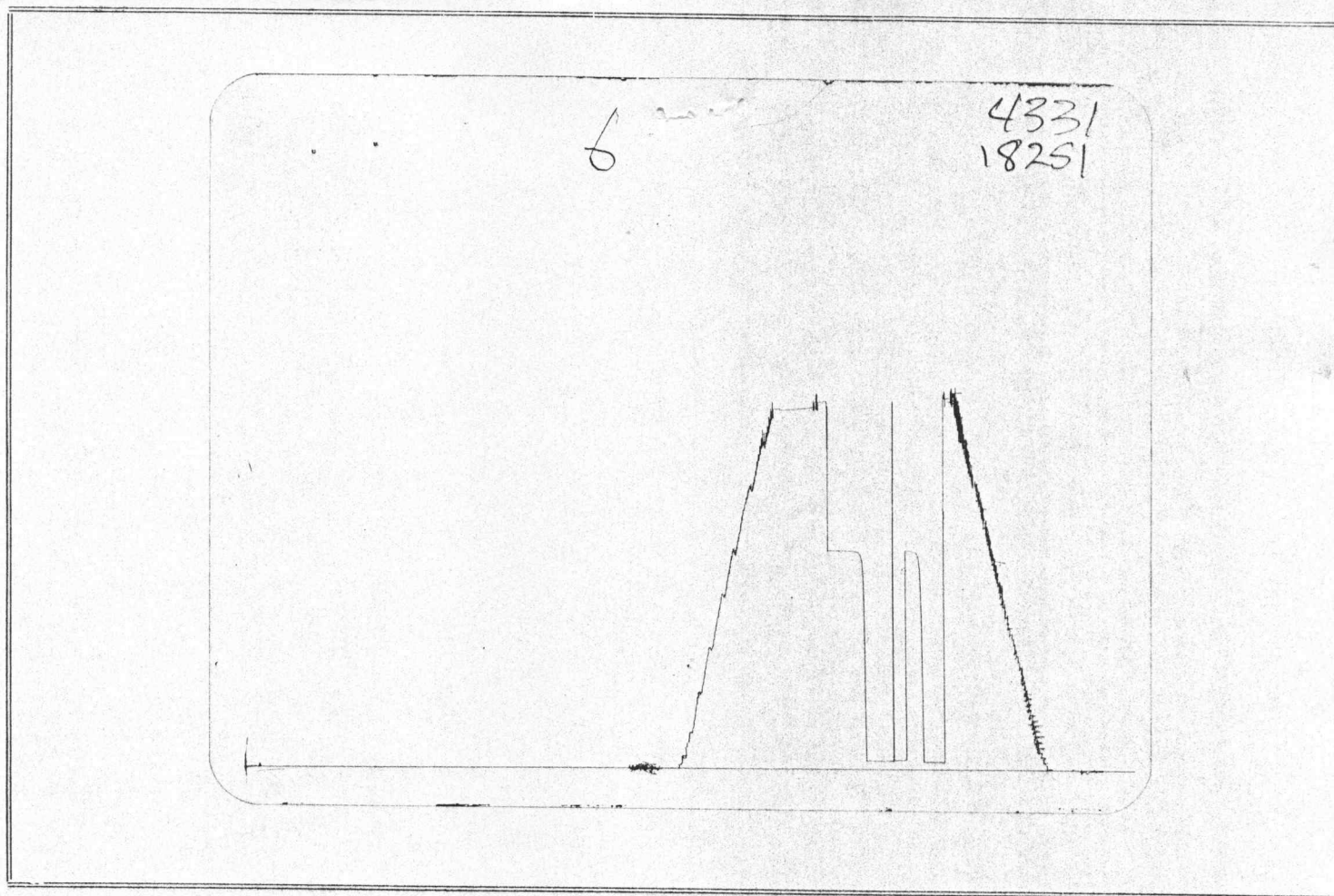
RECOVERY

FIRST FLOW: WEAK BLOW FOR 9 MINUTES, THEN DIED.
SECOND FLOW: WEAK BLOW FOR 5 MINUTES, FLUSHED TOOL, GOOD SURGE,
BLOWED WEAK FOR 6 MINUTES.

67 FEET OF MUD.

Lease and Well No. JARVIS & SHIVERS # 1 2-6S-37W C NE NE

Formation Test No. 3



Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 15 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2287</u>	<u>2283</u>
(B) Initial 1st Flow Pressure	<u>43</u>	<u>50</u>
(C) Final 1st Flow Pressure	<u>43</u>	<u>50</u>
(D) Initial Shut-in Pressure	<u>1359</u>	<u>1355</u>
(E) Initial 2nd Flow Pressure	<u>65</u>	<u>54</u>
(F) Final 2nd Flow Pressure	<u>65</u>	<u>54</u>
(G) Final Shut-in Pressure	<u>1359</u>	<u>1355</u>
(H) Final Hydrostatic Pressure	<u>2266</u>	<u>2254</u>

18251

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS
Lease and Well No. JARVIS & SHIVERS # 1
County SHERMAN State KANSAS Date NOVEMBER 27, 1979

Formation Test No. 4 Total Depth 4448 Elev. _____
Interval Tested 4415 To 4448 Anchor Length 33'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 Size Packer 6 3/4
Mud Weight 9.8 Viscosity 47 Water Loss 8.8 c.c. Bottom Hole Temp. _____ °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 18252
Length of Drill Collar 175 I. D. _____ Length Flexweight 915 I. D. 2.25

RECOVERY

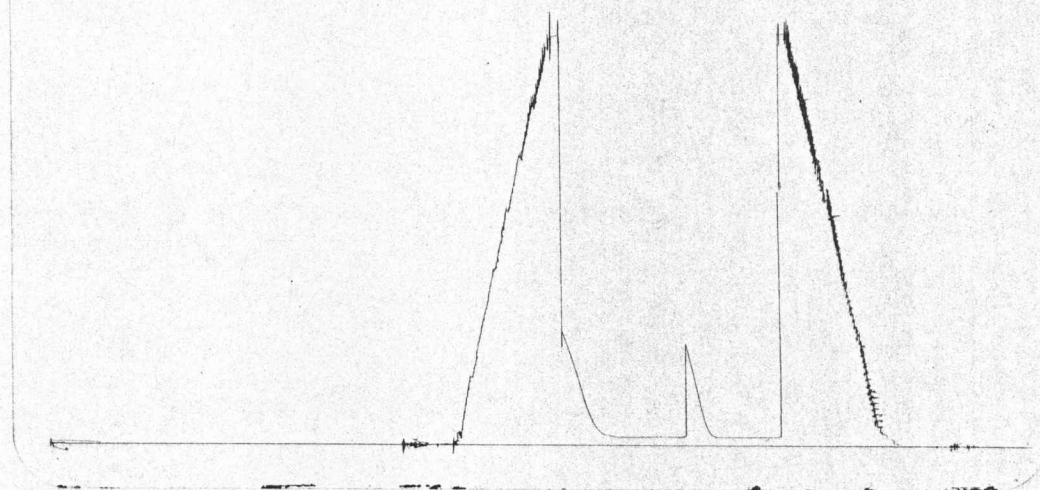
FIRST FLOW: WEAK BLOW FOR 21 MINUTES.
SECOND FLOW: NO BLOW.

45 FEET OF OIL SPOTTED MUD.

Lease and Well No. JARVIS & SHIVERS # 1 2-6S-37W C NE NE

Formation Test No. 4

6

4331
18252

Tool Open: 1st Flow 30 mins; Shut-in Initial 30 min: 2nd Flow 45 min: Shut-in Final 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2308	2296
(B) Initial 1st Flow Pressure	43	52
(C) Final 1st Flow Pressure	43	52
(D) Initial Shut-in Pressure	588	577
(E) Initial 2nd Flow Pressure	43	52
(F) Final 2nd Flow Pressure	43	52
(G) Final Shut-in Pressure	653	646
(H) Final Hydrostatic Pressure	2287	2279

18252

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS
Lease and Well No. JARVIS & SHIVERS # 1
County SHERMAN State KANSAS Date NOVEMBER 28, 1979

Formation Test No. 5 Total Depth 4485 Elev. _____
Interval Tested 4444 To 4485 Anchor Length 41'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 Size Packer 6 3/4
Mud Weight 9.7 Viscosity 44 Water Loss 9 c.c. Bottom Hole Temp. _____ °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 18253
Length of Drill Collar 175 I. D. _____ Length Flexweight 915 I. D. 2.25

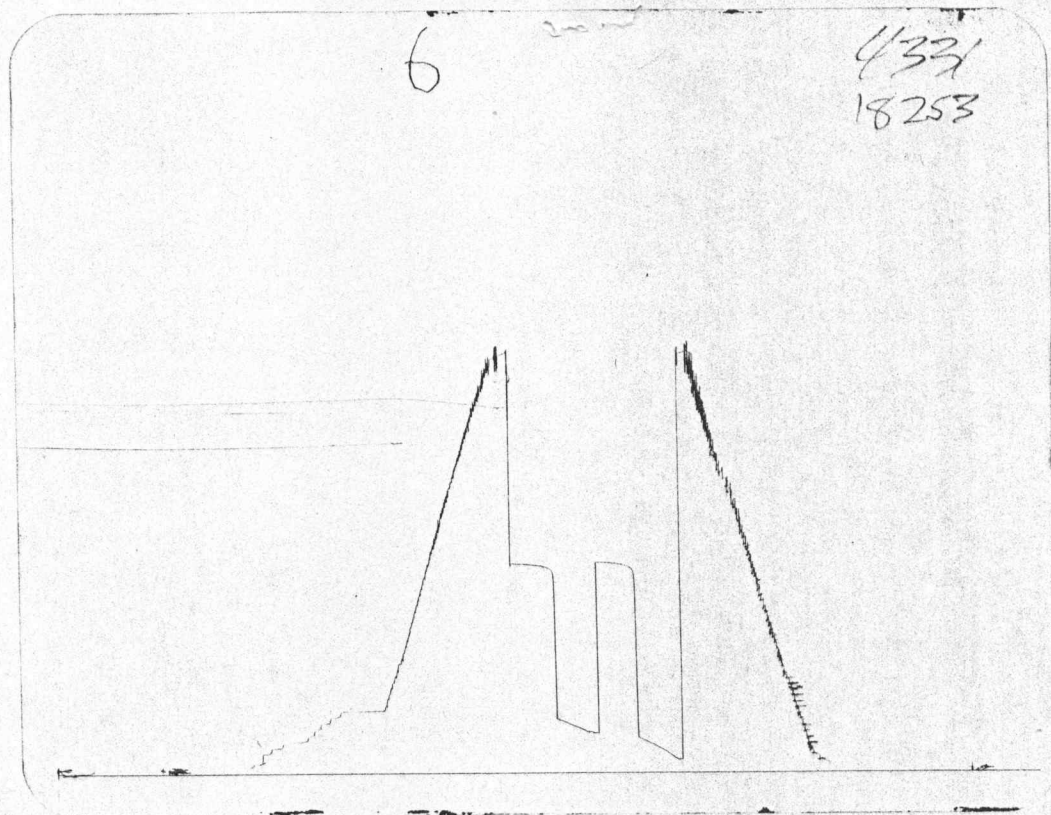
RECOVERY

STRONG BLOW THROUGHOUT TEST.

68 FEET OF FREE OIL (34GV)
248 FEET OF MUDDY OIL. (41% OIL, 59% MUD)
210 FEET OF OIL CUT MUD. (29% OIL, 71% MUD)

Lease and Well No. JARVIS & SHIVERS # 1 2-6S-37W 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	2350	2338
(B) Initial 1st Flow Pressure	87	74
(C) Final 1st Flow Pressure	218	200
(D) Initial Shut-in Pressure	1202	1189
(E) Initial 2nd Flow Pressure	240	227
(F) Final 2nd Flow Pressure	316	310
(G) Final Shut-in Pressure	1189	1185
(H) Final Hydrostatic Pressure	2350	2336

18253

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS
Lease and Well No. JARVIS & SHIVERS # 1
County SHERMAN State KANSAS Date NOVEMBER 30, 1979

Formation Test No.	<u>6</u>	Total Depth	<u>4645</u>	Elev.	
Interval Tested	<u>4598</u>	To	<u>4645</u>	Anchor Length	<u>47'</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>9.8</u>	Viscosity	<u>43</u>	Water Loss	<u>8.4</u> c.c. Bottom Hole Temp. <u>116</u> °F
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>18254</u>
Length of Drill Collar	<u>175</u>	I. D.		Length Flexweight	<u>915</u> I. D. <u>2.25</u>

RECOVERY

STRONG BLOW THROUGHOUT TEST.

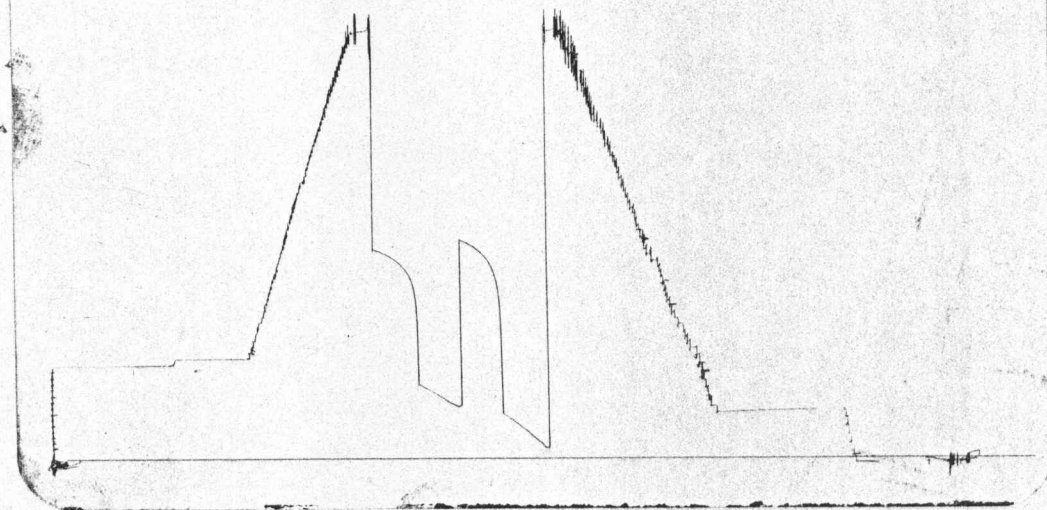
842 FEET OF GASSY FREE OIL. (26GV)
120 FEET OF HEAVILY OIL AND GAS CUT MUD (34% OIL, 66% MUD)

Lease and Well No. JARVIS & SHIVERS # 1 2-65-37W

C NE NE

Formation Test No. 6

6

4331
18254

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>2392</u>	<u>2384</u>
(B) Initial 1st Flow Pressure	<u>65</u>	<u>61</u>
(C) Final 1st Flow Pressure	<u>262</u>	<u>259</u>
(D) Initial Shut-in Pressure	<u>1253</u>	<u>1234</u>
(E) Initial 2nd Flow Pressure	<u>305</u>	<u>301</u>
(F) Final 2nd Flow Pressure	<u>436</u>	<u>427</u>
(G) Final Shut-in Pressure	<u>1189</u>	<u>1187</u>
(H) Final Hydrostatic Pressure	<u>2392</u>	<u>2380</u>

18254

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company A. SCOTT RITCHIE & THOMPSON OIL & GAS

Lease and Well No. JARVIS & SHIVERS # 1

County SHERMAN State KANSAS Date DECEMBER 1, 1979

Formation Test No. 7 Total Depth 4720 Elev. _____

Interval Tested 4665 To 4720 Anchor Length 55'

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

Mud Weight 9.6 Viscosity 48 Water Loss 8.6 c.c. Bottom Hole Temp. 117 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 18255

Length of Drill Collar 175 I. D. 2.25 Length Flexweight 915 I. D. 2.25

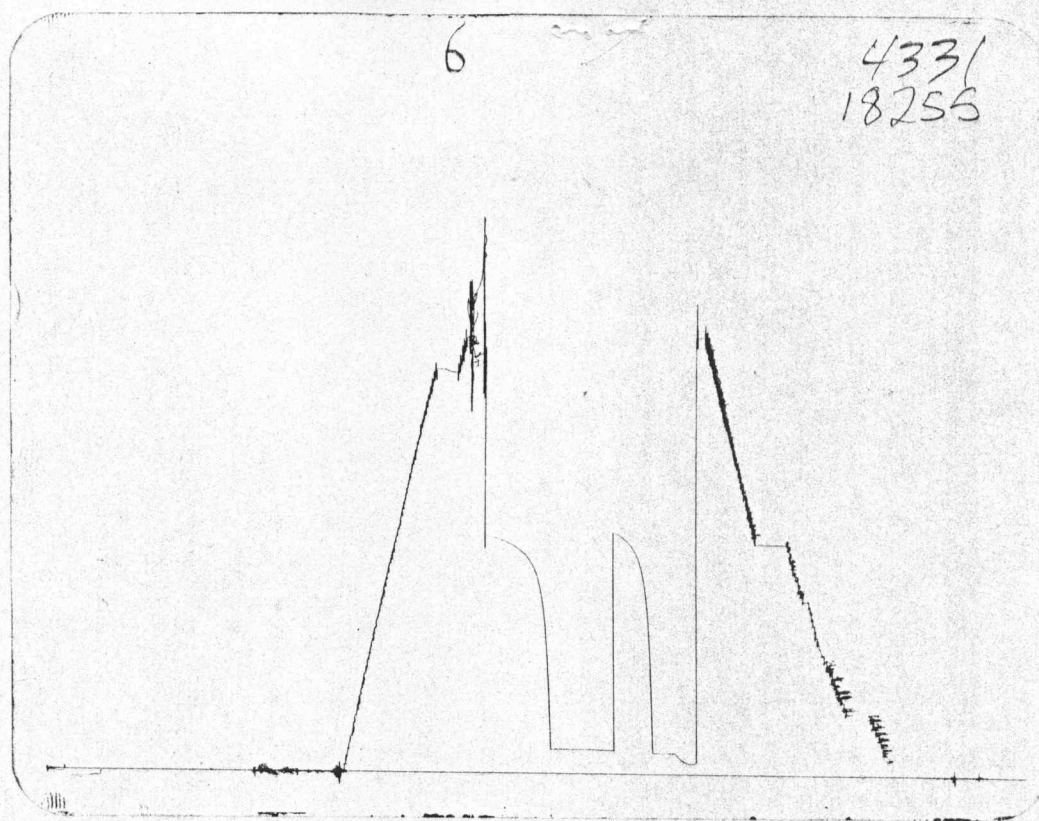
RECOVERY

FAIR BLOW THROUGHOUT TEST.

210 FEET OF MUD, NO SHOW OF OIL.

Lease and Well No. JARVIS & SHIVERS # 1 2-6S-37W C NE NE

Formation Test No. 7



Tool Open: 1st Flow — hr. 30 mins; Shut-in Initial — hr. 30 min: 2nd Flow — hr. 45 min: Shut-in Final — hr. 45 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2434</u>	<u>2432</u>
(B) Initial 1st Flow Pressure	<u>65</u>	<u>52</u>
(C) Final 1st Flow Pressure	<u>131</u>	<u>115</u>
(D) Initial Shut-in Pressure	<u>1380</u>	<u>1363</u>
(E) Initial 2nd Flow Pressure	<u>131</u>	<u>128</u>
(F) Final 2nd Flow Pressure	<u>131</u>	<u>135</u>
(G) Final Shut-in Pressure	<u>1359</u>	<u>1344</u>
(H) Final Hydrostatic Pressure	<u>2350</u>	<u>2430</u>

18255