

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company HINKLE OIL COMPANY

Lease and Well No. DICKEY # 1

County LANE

State

KANSAS

Date AUGUST 10, 1973

Formation Test No.	1	Total Depth	3940	Elev.	
Interval Tested	3899	To	3940	Anchor Length	41'
Size Hole	7 7/8	Size Drill Pipe	4 1/2 F.H.X.H.	Size Packer	6 3/4
Mud Weight	9.2	Viscosity	51	Water Loss	6 c.c.
				Bottom Hole Temp.	106°F
Chokes: Top	1/2	Bottom	1/2	Ticket No.	12631
Length of Drill Collar		I. D.		Length Flexweight	660
				I. D.	2.76

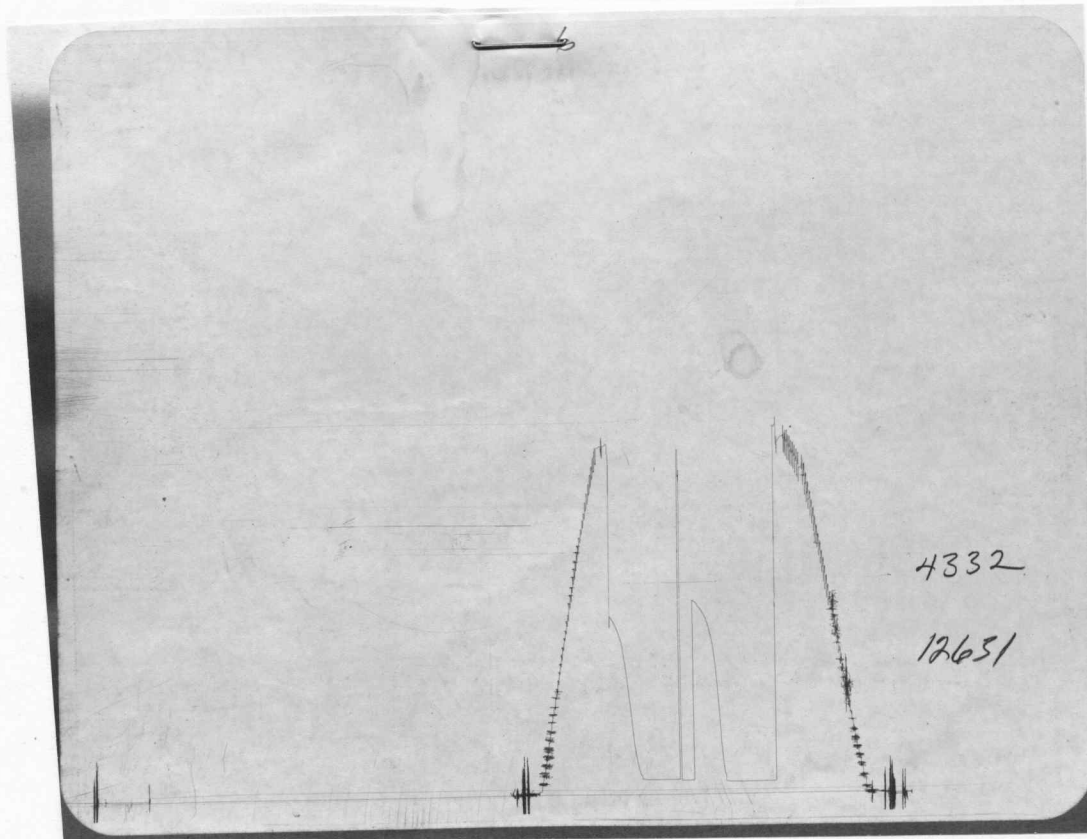
RECOVERY

WEAK BLOW FOR 21 MINUTES. FLUSHED TOOL 10 MINUTES AFTER SECOND
OPENING. WEAK BLOW FOR 2 MINUTES.

30 FEET OF MUD WITH FEW OIL SPECKS IN TOOL.

Lease and Well No. DICKEY #1 25 16S 30W NW/SE/NE

Formation Test No. 1



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2038	1975
(B) Initial 1st Flow Pressure	65	69
(C) Final 1st Flow Pressure	69	71
(D) Initial Shut-in Pressure	1072	1079
(E) Initial 2nd Flow Pressure	80	80
(F) Final 2nd Flow Pressure	89	84
(G) Final Shut-in Pressure	998	998
(H) Final Hydrostatic Pressure	1985	1953

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GREAT BEND, KANSAS

Company HINKLE OIL COMPANY

Lease and Well No. DICKEY # 1

County LANE

State KANSAS

Date AUGUST 11, 1973

Formation Test No. 2 Total Depth 4180 Elev. _____
 Interval Tested 4095 To 4180 Anchor Length 85'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H.X.H. Size Packer 6 3/4
 Mud Weight 9.5 Viscosity 50 Water Loss 11.8 c.c. Bottom Hole Temp. 108 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 12632
 Length of Drill Collar _____ I. D. _____ Length Flexweight 660 I. D. 2.76

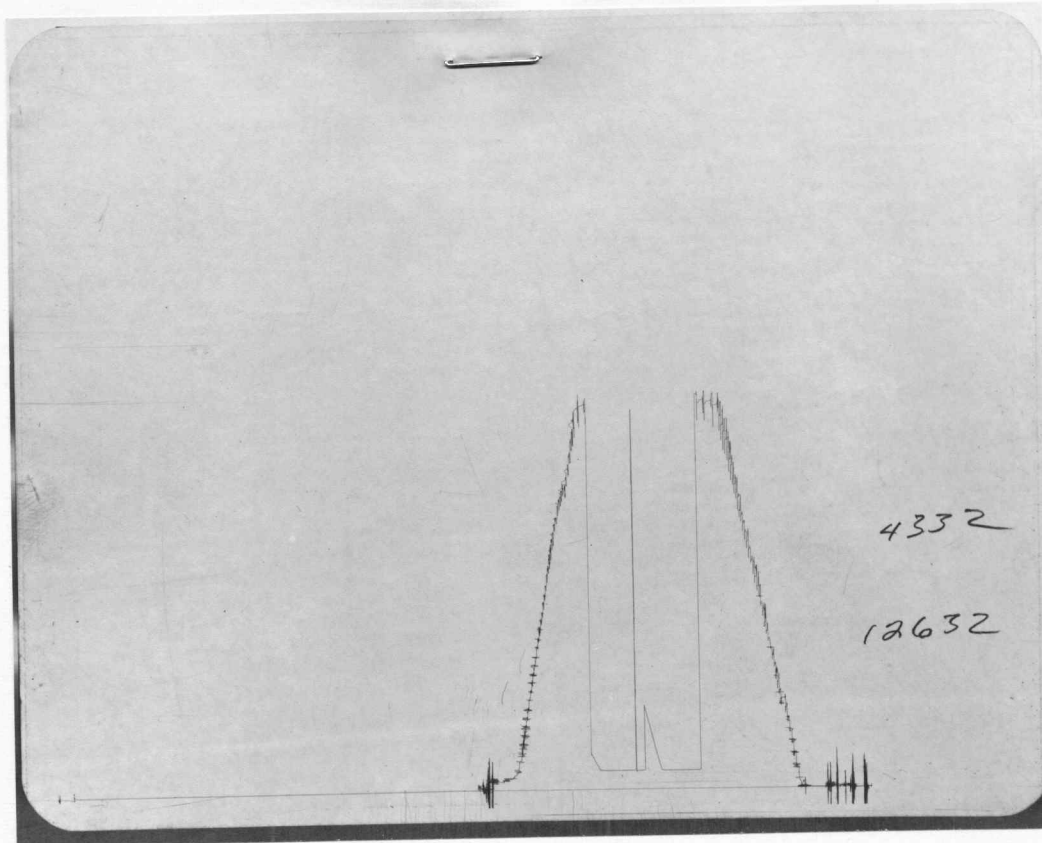
RECOVERY

WEAK BLOW FOR 4 MINUTES. FLUSHED TOOL 7 MINUTES AFTER SECOND
 OPENING. NO BLOW.

10 FEET OF MUD.

Lease and Well No. DICKEY # 1 25 16S 30W NW/SE/NE

Formation Test No. 2



Tool Open: 1st Flow ____ hr. 20 mins: Shut-in Initial ____ hr. 20 min: 2nd Flow ____ hr. 20 min: Shut-in Final ____ hr. 20 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2187</u>	<u>2166</u>
(B) Initial 1st Flow Pressure	<u>108</u>	<u>108</u>
(C) Final 1st Flow Pressure	<u>108</u>	<u>108</u>
(D) Initial Shut-in Pressure	<u>476</u>	<u>476</u>
(E) Initial 2nd Flow Pressure	<u>108</u>	<u>108</u>
(F) Final 2nd Flow Pressure	<u>115</u>	<u>110</u>
(G) Final Shut-in Pressure	<u>195</u>	<u>206</u>
(H) Final Hydrostatic Pressure	<u>2166</u>	<u>2149</u>

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GREAT BEND, KANSAS

Company HINKLE OIL COMPANY

Lease and Well No. DICKEY #1

County LANE

State KANSAS

Date AUGUST 12, 1973

Formation Test No. 3 Total Depth 4245 Elev.
 Interval Tested 4185 To 4245 Anchor Length 60'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H.X.H. Size Packer 6 3/4
 Mud Weight 9.5 Viscosity 48 Water Loss 7 c.c. Bottom Hole Temp. 122 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 12633
 Length of Drill Collar I. D. Length Flexweight 630 I. D. 2.76

RECOVERY

GOOD BLOW DECREASING SOME BY THE END OF THE TEST.

1485 FEET OF WATER WITH VERY FEW OIL SPECKS.

SPECIAL PRESSURE DATA

Lease and Well No. DICKEY #1 25 16S 30W NW/SE/NE

Formation Test No. 3

DATE AUGUST 12, 1973

LEASE DICKEY

WELL NO. 1

TEST NO. 3

TICKET NO. 12633

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2198
INITIAL CLOSED IN PRESSURE	30 MINUTES	1060
INITIAL FLOW	30 MINUTES	117 to 437
FINAL FLOW	60 MINUTES	504 to 734
FINAL CLOSED IN PRESSURE	30 MINUTES	1026
FINAL HYDRO MUD PRESSURE		2170

TOTAL DEPTH 4245

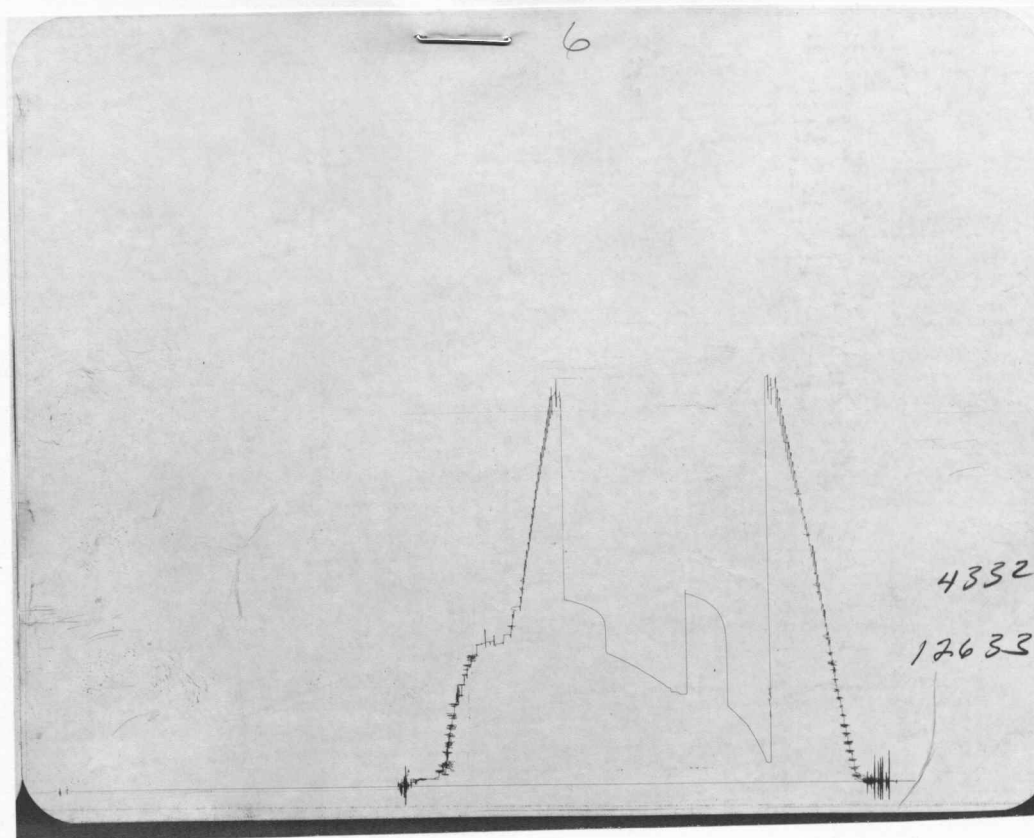
PACKER DEPTH 4185

BT. NO. 4332 DEPTH 4240

1ST FLOW PRESSURE			INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
		117		437		504		734
		292		955		540		945
		437		987		609		979
				1011		674		996
				1032		734		1006
				1047				1019
				1060				1026
15	MINUTE INTERVAL		5	MINUTE INTERVAL		15	MINUTE INTERVAL	

REMARKS.

SPECIAL PRESSURE DATA



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2240</u>	<u>2198</u>
(B) Initial 1st Flow Pressure	<u>108</u>	<u>117</u>
(C) Final 1st Flow Pressure	<u>433</u>	<u>437</u>
(D) Initial Shut-in Pressure	<u>1051</u>	<u>1060</u>
(E) Initial 2nd Flow Pressure	<u>498</u>	<u>504</u>
(F) Final 2nd Flow Pressure	<u>732</u>	<u>734</u>
(G) Final Shut-in Pressure	<u>1019</u>	<u>1026</u>
(H) Final Hydrostatic Pressure	<u>2198</u>	<u>2170</u>

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Box 547

GREAT BEND, KANSAS

Company HINKLE OIL COMPANY

Lease and Well No. DICKEY # 1

County LANE State KANSAS Date AUGUST 13, 1973

Formation Test No. 4 Total Depth 4422 Elev. 1532

Interval Tested 4334 To 4422 Anchor Length 88'

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

Mud Weight 9.7 Viscosity 53 Water Loss 8 c.c. Bottom Hole Temp. 120 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 12634

Length of Drill Collar I. D. Length Flexweight 630 I. D. 2.76

RECOVERY

FAIR TO GOOD BLOW THROUGHOUT THE TEST.

330 FEET OF OIL AND GAS CUT Watery MUD.

180 FEET OF VERY SLIGHTLY OIL AND GAS CUT MUDDY WATER.

SPECIAL PRESSURE DATA

Lease and Well No. DICKEY # 1 25 16S 30W

NW/SE/NE

Formation Test No. 4

DATE AUGUST 13, 1973

LEASE DICKEY

WELL NO. 1

TEST NO. 4

TICKET NO. 12634

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2421
INITIAL CLOSED IN PRESSURE	30 MINUTES	994
INITIAL FLOW	30 MINUTES	110 to 173
FINAL FLOW	60 MINUTES	219 to 281
FINAL CLOSED IN PRESSURE	30 MINUTES	887
FINAL HYDRO MUD PRESSURE		2389

TOTAL DEPTH 4422

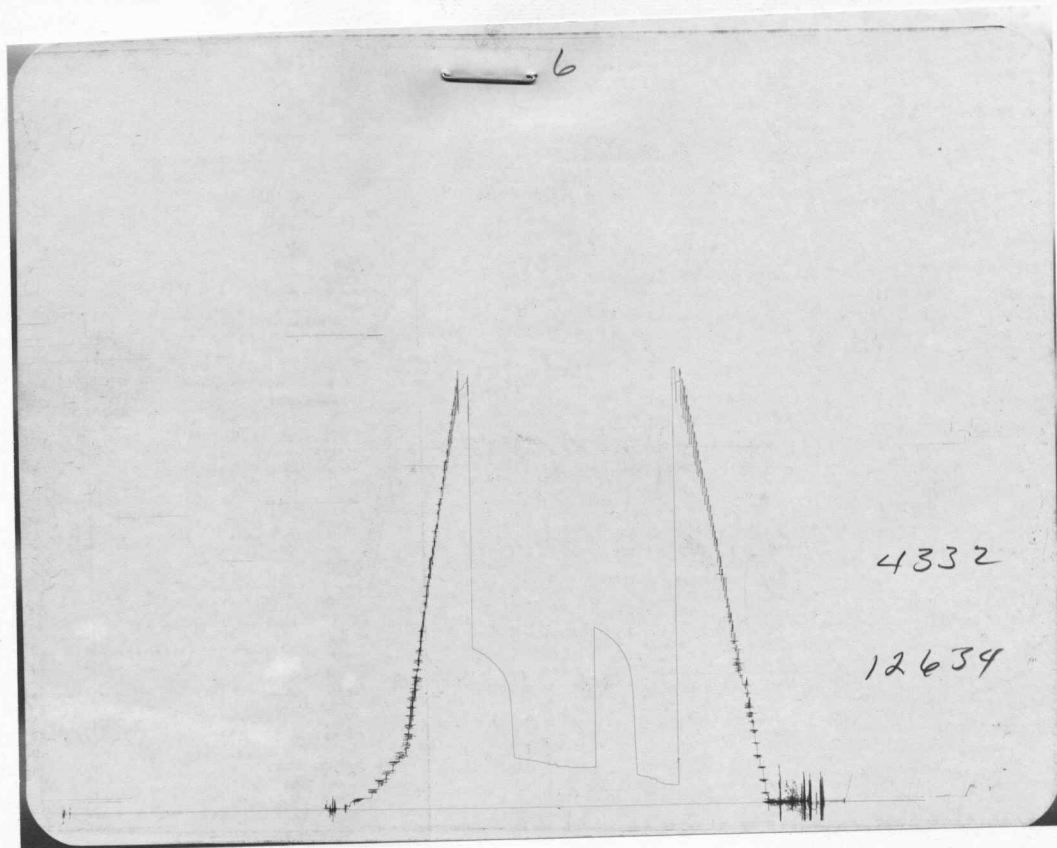
PACKER DEPTH 4334

BT. NO. 4332 DEPTH 4417

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
110		173		219		281	
126		785		221		704	
173		864		238		768	
		906		262		806	
		940		281		836	
		972				862	
		994				887	
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. 60 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2411</u>	<u>2421</u>
(B) Initial 1st Flow Pressure	<u>108</u>	<u>110</u>
(C) Final 1st Flow Pressure	<u>173</u>	<u>173</u>
(D) Initial Shut-in Pressure	<u>987</u>	<u>994</u>
(E) Initial 2nd Flow Pressure	<u>216</u>	<u>219</u>
(F) Final 2nd Flow Pressure	<u>275</u>	<u>281</u>
(G) Final Shut-in Pressure	<u>880</u>	<u>887</u>
(H) Final Hydrostatic Pressure	<u>2368</u>	<u>2389</u>

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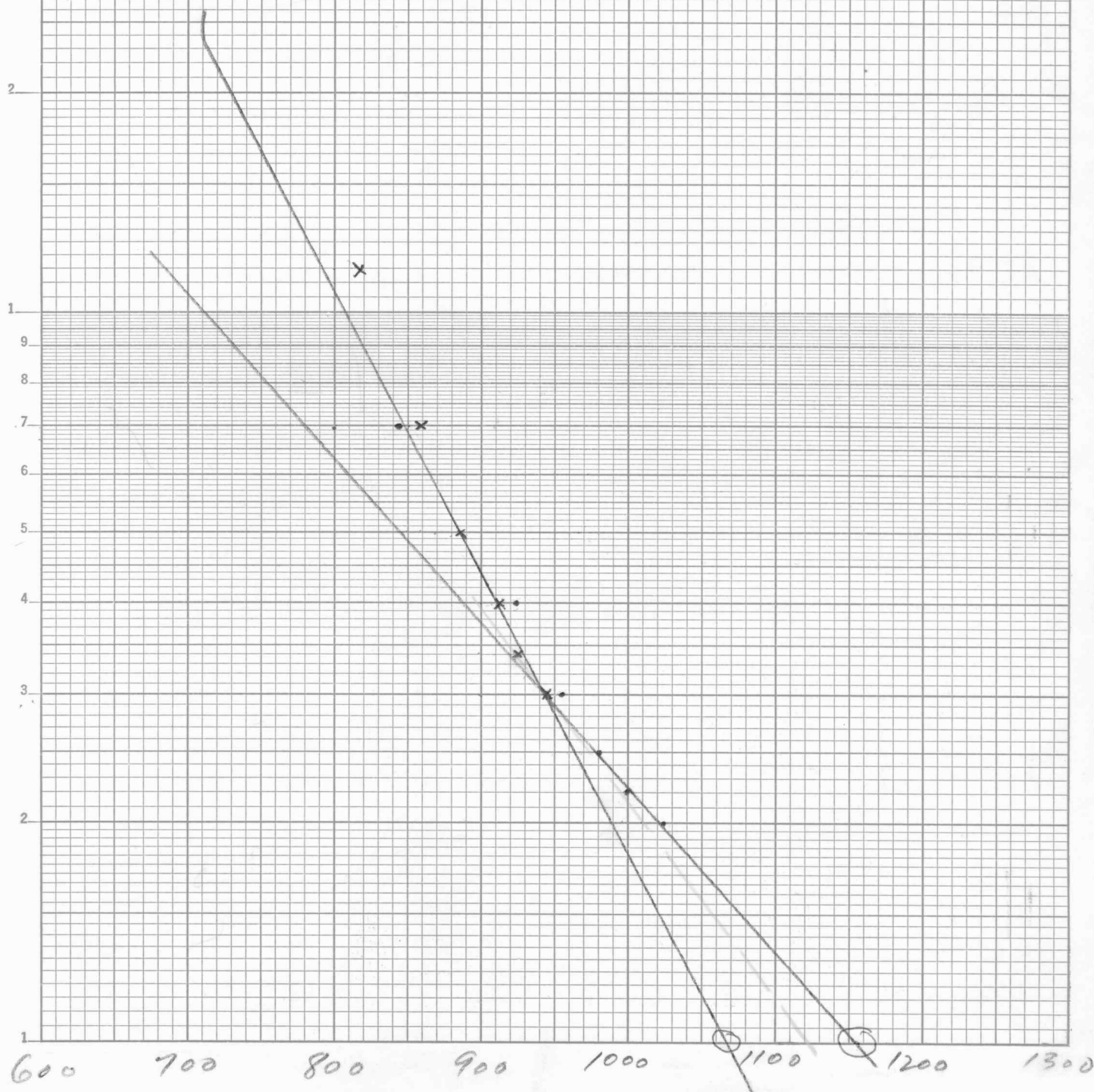
Hinkle Oil Co. Dickey #1 DST #5

• INITIAL BHP EXT. = 1155

X FINAL BHP EXT. = 1067

Slope = 260

DAMAGE = $\frac{.183 \times (1067 - 389)}{260} = .5$



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Lease and Well No. DICKEY # 1

County LANE

State KANSAS

Date AUGUST 14, 1973

Formation Test No. 5 Total Depth 4515 Elev. _____
 Interval Tested 4427 To 4515 Anchor Length 88'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H.X.H. Size Packer 6 3/4
 Mud Weight 9.3 Viscosity 48 Water Loss 7.4 c.c. Bottom Hole Temp. 118 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 12635
 Length of Drill Collar _____ I. D. _____ Length Flexweight 630 I. D. 2.76

RECOVERY

STRONG BLOW OF GAS TO SURFACE AFTER 25 MINUTES ON FINAL SHUT-IN.

590 FEET OF CLEAN GASSY OIL.

380 FEET OF MUDDY OIL.

70 FEET OF OIL AND GAS CUT MUDDY WATER.

SPECIAL PRESSURE DATA

Lease and Well No. DICKEY # 1 25 16S 30W

NW/SE/NE

Formation Test No. 5

DATE AUGUST 14, 1973

LEASE DICKEY

WELL NO. 1

TEST NO. 5

TICKET NO. 12635

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2411
INITIAL CLOSED IN PRESSURE	30 MINUTES	1025
INITIAL FLOW	30 MINUTES	123 to 249
FINAL FLOW	60 MINUTES	322 to 389
FINAL CLOSED IN PRESSURE	30 MINUTES	945
FINAL HYDRO MUD PRESSURE		2400

TOTAL DEPTH 4515

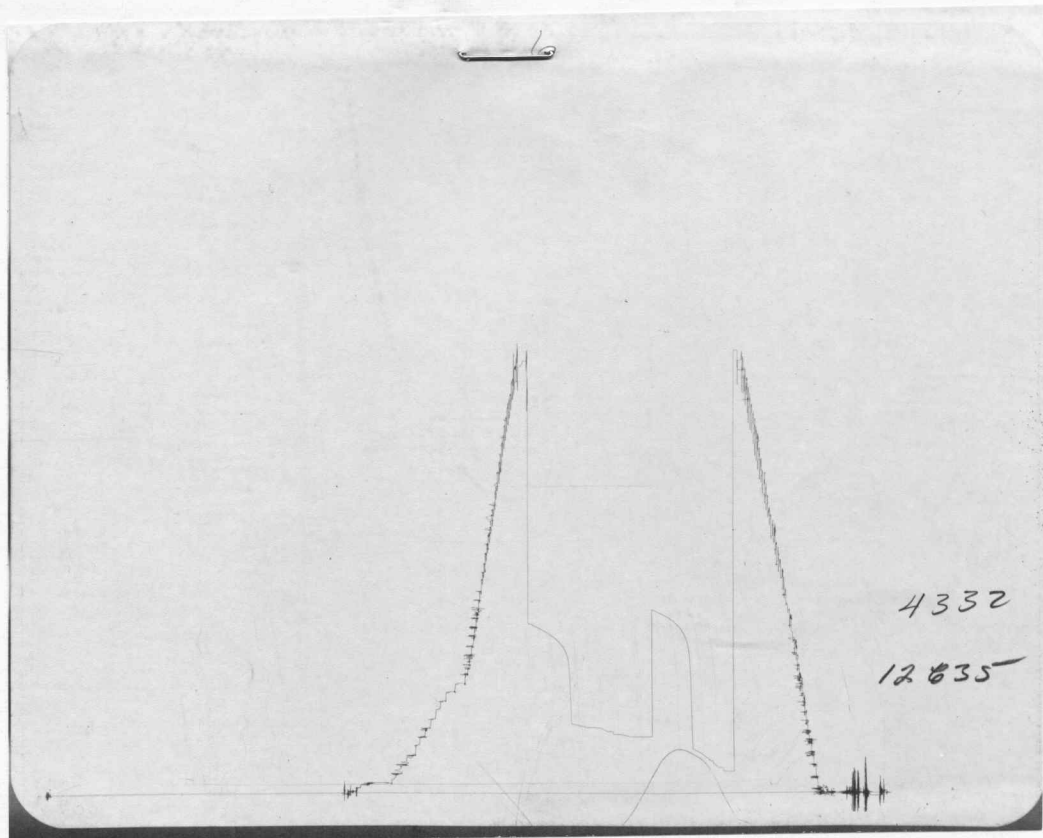
PACKER DEPTH 4427

BT. NO. 4332 DEPTH 4510

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
123		249		322		389	
141		842		322		817	
197		923		346		859	
249		955		368		887	
		981		389		913	
		1000				927	
		1025				945	
10	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. 60 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2453</u>	<u>2411</u>
(B) Initial 1st Flow Pressure	<u>119</u>	<u>123</u>
(C) Final 1st Flow Pressure	<u>249</u>	<u>249</u>
(D) Initial Shut-in Pressure	<u>1019</u>	<u>1025</u>
(E) Initial 2nd Flow Pressure	<u>314</u>	<u>322</u>
(F) Final 2nd Flow Pressure	<u>379</u>	<u>389</u>
(G) Final Shut-in Pressure	<u>945</u>	<u>945</u>
(H) Final Hydrostatic Pressure	<u>2411</u>	<u>2400</u>

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GREAT BEND, KANSAS

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Lease and Well No. DICKEY # 1

County LANE

State KANSAS

Date AUGUST 15, 1973

Formation Test No. 6 Total Depth 4590 Elev. _____
 Interval Tested 4523 To 4590 Anchor Length 67'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H.X.H. Size Packer 6 3/4
 Mud Weight 9.5 Viscosity 55 Water Loss 6.6 c.c. Bottom Hole Temp. 118 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 12636
 Length of Drill Collar _____ I. D. _____ Length Flexweight 630 I. D. 2.76

RECOVERY

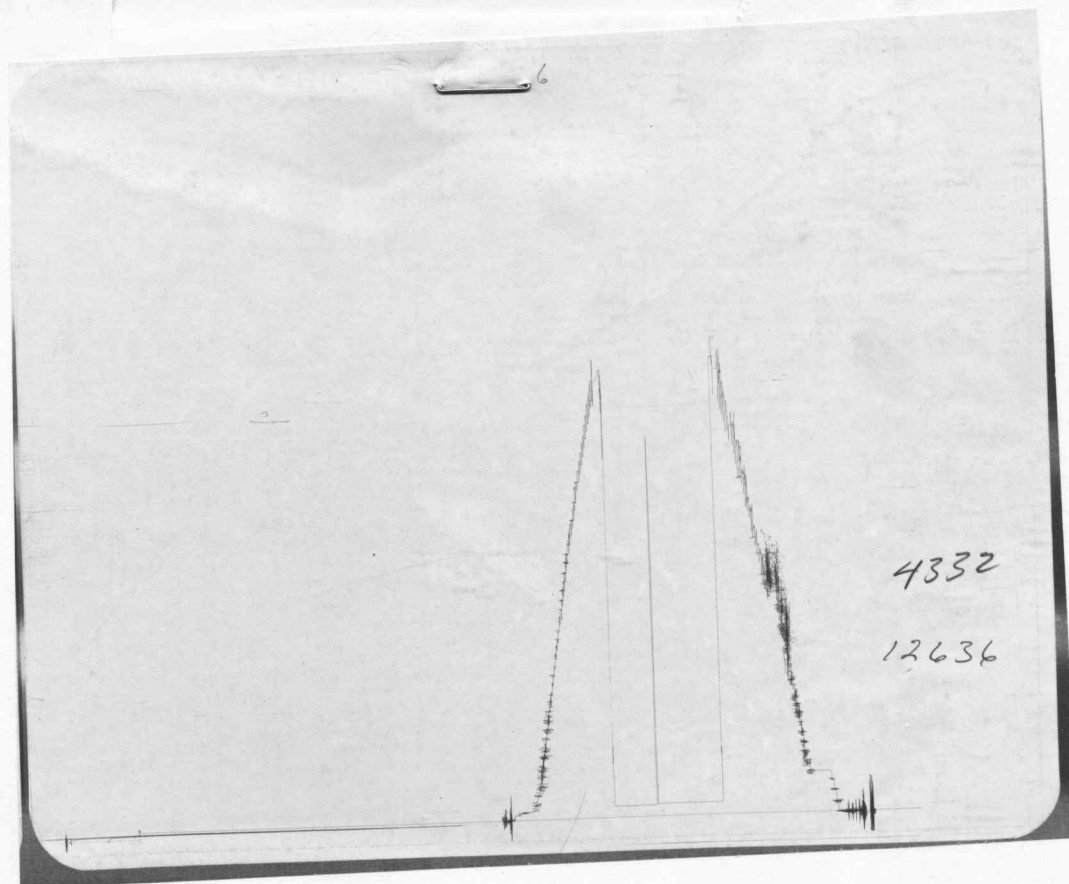
WEAK BLOW FOR 8 MINUTES. FLUSHED TOOL 10 MINUTES AFTER SECOND
 OPENING. NO BLOW.

5 FEET OF MUD.

Lease and Well No. DICKEY # 1 25 16S 30W

NW/SE/NE

Formation Test No. 6



Tool Open: 1st Flow hr. 20 mins: Shut-in Initial hr. 20 min: 2nd Flow hr. 20 min: Shut-in Final hr. 20 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2517</u>	<u>2517</u>
(B) Initial 1st Flow Pressure	<u>71</u>	<u>77</u>
(C) Final 1st Flow Pressure	<u>71</u>	<u>71</u>
(D) Initial Shut-in Pressure	<u>71</u>	<u>71</u>
(E) Initial 2nd Flow Pressure	<u>71</u>	<u>71</u>
(F) Final 2nd Flow Pressure	<u>71</u>	<u>71</u>
(G) Final Shut-in Pressure	<u>71</u>	<u>71</u>
(H) Final Hydrostatic Pressure	<u>2474</u>	<u>2479</u>

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