

Phone
(303) 830-8080

Star Hughes

Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

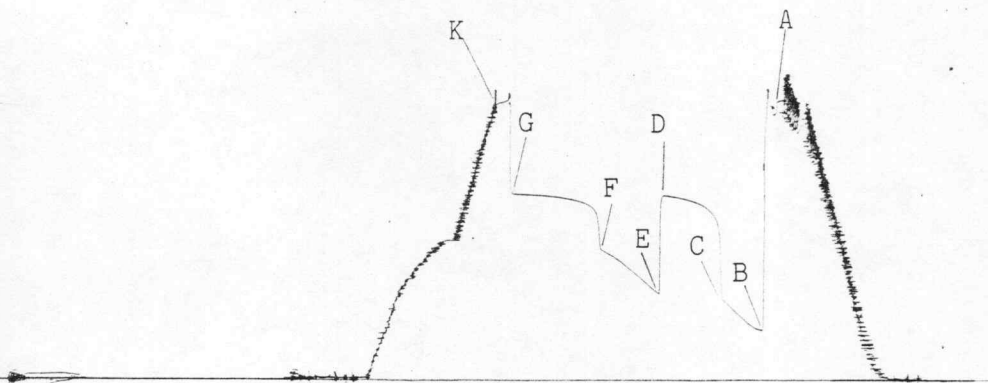
Contractor Wheatstate Drlg.
Rig No. --
Spot C-E/2-SW
Sec. 17
Twp. 32S
Rng. 11W
Field --
County Barber
State Kansas
Elevation 1501' KB
Formation Douglas
On Location @ 7:00AM 7-4-84

Surface Choke 1"
Bottom Choke 5/8"
Hole Size 7 7/8"
Core Hole Size --
DP Size & Wt. 4 1/2" XH 16.60
Wt. Pipe --
I.D. of DC 2.25"
Length of DC 120'
Total Depth 3710'
Type Test Conventional
Interval 3670-3710'
Off Location @ 5:00PM 7-4-84

Mud Type Gel / chemical
Weight 9.3
Viscosity 48
Water Loss 17.2
Filter Cake 2/32
Resistivity -- @ -- OF
-- Ppm. NaCl
B.H.T. 106 OF
Co. Rep. Mike Schwartz
Tester Kurt Karst

	REPORTED	CORRECTED
Opened Tool @	<u>10:50 AM</u>	<u>hrs.</u>
Flow No. 1	<u>30</u>	<u>31</u> min.
Shut-in No. 1	<u>45</u>	<u>45</u> min.
Flow No. 2	<u>45</u>	<u>46</u> min.
Shut-in No. 2	<u>60</u>	<u>67</u> min.
Flow No. 3		<u>min.</u>
Shut-in No. 3		<u>min.</u>

Recorder Type Kuster AK-1
No. 25538 Cap. 5175 psi
Depth 3703 feet
Inside Outside X
Clock No. -- Hr. 12
Initial Hydrostatic A 1831
Final Hydrostatic K 1811
Initial Flow B 331
Final Initial Flow C 528
Initial Shut-in D 1214
Second Initial Flow E 572
Second Final Flow F 854
Second Shut-in G 1223
Third Initial Flow H --
Third Final Flow I --
Third Shut-in J --



Pipe Recovery: 1840' Gas cut saltwater = 25.01 bbls.

Surface Blow:

1st Flow: Tool opened with a strong blow. Gas to surface in 17 minutes. See gas volume report.

2nd Flow: Tool opened with gas to surface. See gas volume report.

Operator {
Ticket No. 4120
Texas Energies, Inc.

Well Name & No. Lawrence #1-17
Date 7-4-84

DST No. 1
Interval 3670-3710'

Star Hughes

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

LAWRENCE #1-17

Well Name and No.

1

DST No.

RECORDER NO. 25538

DEPTH 3703 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 31

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	528
2	15.71	951
4	8.36	1045
6	6.15	1080
8	4.81	1103
10	4.03	1121
12	3.51	1135
14	3.19	1147
16	2.91	1156
18	2.69	1164
20	2.54	1169
25	2.23	1183
30	2.03	1195
35	1.88	1202
40	1.77	1210
45	1.69	1214

Star Hughes

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

LAWRENCE #1-17

Well Name and No.

1

DST No.

RECORDER NO. 25538

DEPTH 3703 Ft.

FINAL SHUT-IN

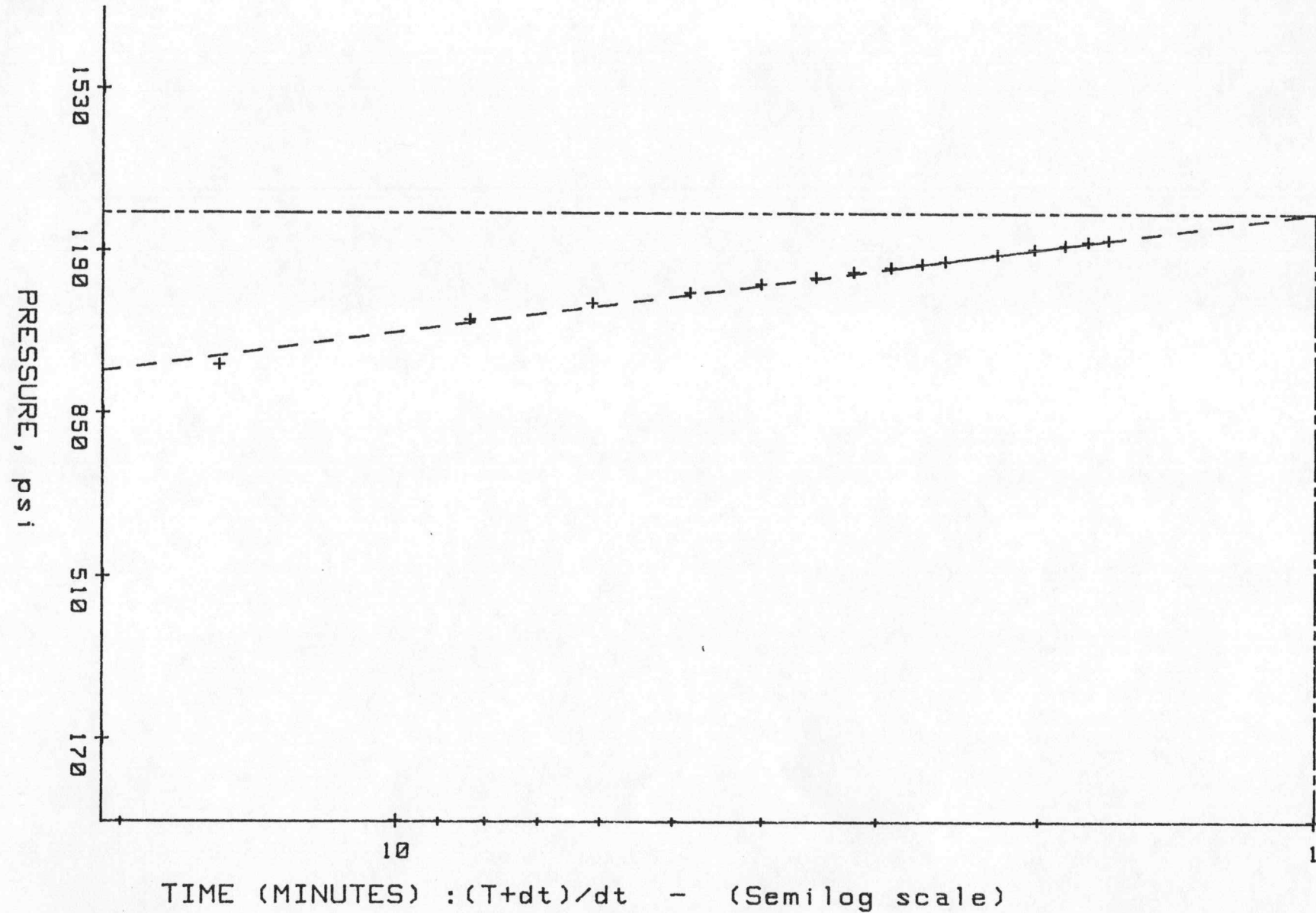
TOTAL FLOW TIME: T = 77

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	854
2	37.56	1000
4	19.28	1101
6	13.79	1125
8	10.48	1142
10	8.53	1153
12	7.40	1161
14	6.44	1168
16	5.83	1173
18	5.26	1178
20	4.82	1182
25	4.08	1192
30	3.56	1200
35	3.21	1205
40	2.92	1210
45	2.71	1214
50	2.53	1216
55	2.40	1219
60	2.29	1220
65	2.18	1222
67	2.15	1223

TICKET # : 4120
RECORDER # : 25538
DATE : 7-4-84

P* = 1271
SLOPE = 251.23
POINTS USED = 8

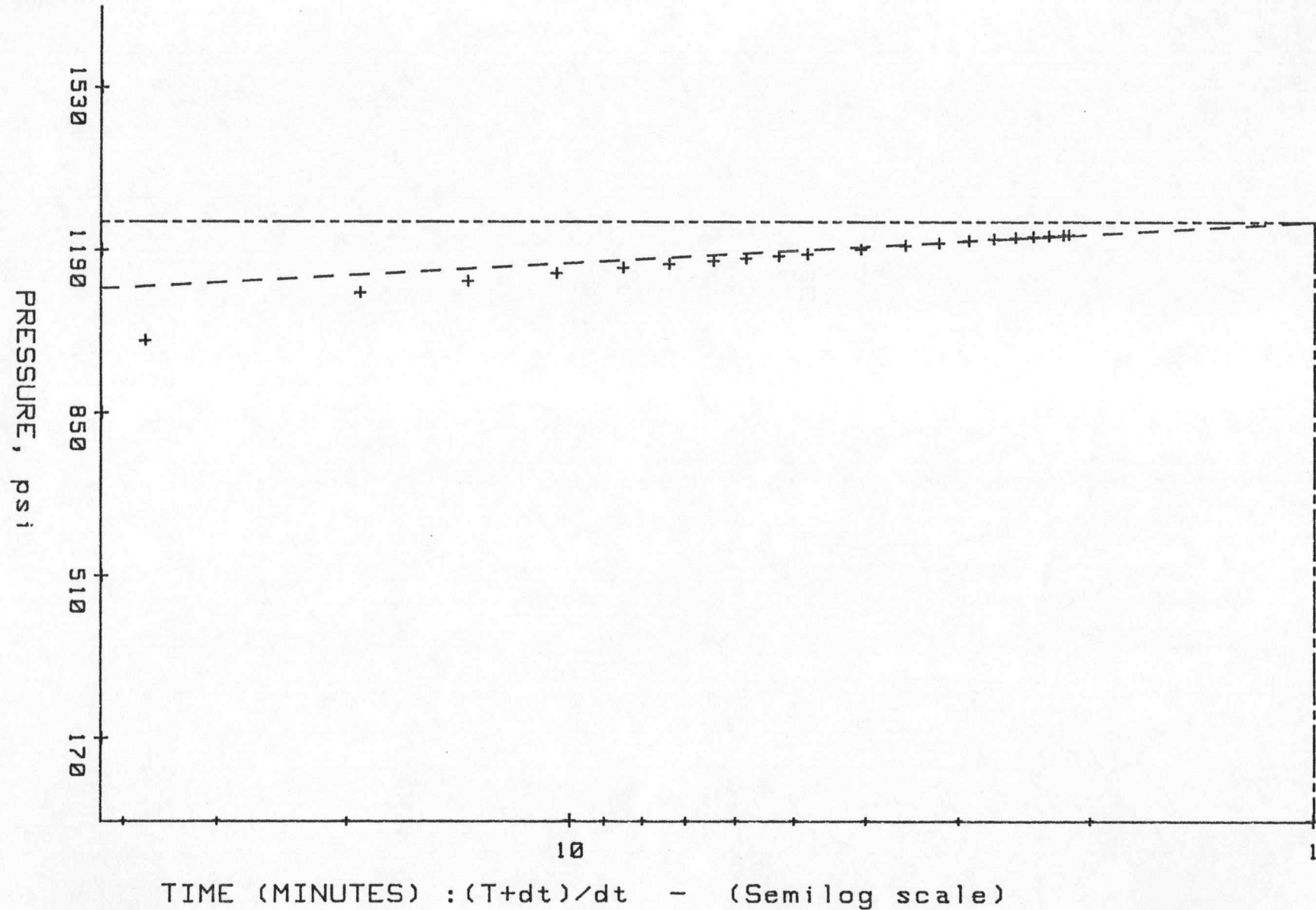
HORNER PLOT FOR INITIAL SHUT-IN



TICKET # : 4120
RECORDER # : 25538
DATE : 7-4-84

P* = 1251
SLOPE = 86.37
POINTS USED = 6

HORNER PLOT FOR FINAL SHUT-IN



GAS VOLUME REPORT

1
DST No.

[illegible]

Remarks:

Phone
(303) 830-8080

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Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor Wheatstate Drlg.
Rig No. --
Spot C-E-SW
Sec. 17
Twp. 32S
Rng. 11W
Field --
County Barber
State Kansas
Elevation 1501' KB
Formation Mississippi
On Location @ 6:00 pm

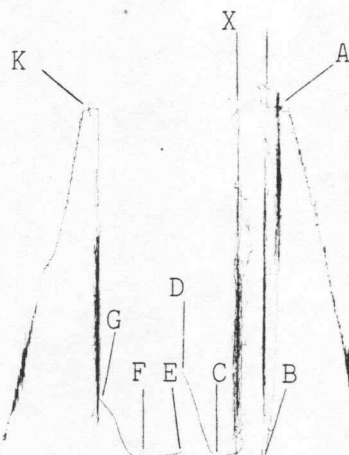
Surface Choke 1"
Bottom Choke 5/8"
Hole Size 7 7/8"
Core Hole Size --
DP Size & Wt. 4 1/2" XH 16.60
Wt. Pipe --
I.D. of DC 2.25"
Length of DC 120'
Total Depth 4368'
Type Test Conventional
Interval 4332-4368'
Off Location @ 5:00 am

Mud Type Gel-Chemical
Weight 9.3
Viscosity 45
Water Loss 11.6
Filter Cake 2/32
Resistivity -- @ -- of
20,000 Ppm. NaCl
B.H.T. 114 of
Co. Rep. Mike Schwartz
Tester Kurt Karst

	REPORTED	CORRECTED
Opened Tool @	<u>12:30 am</u>	<u>--</u> hrs.
Flow No. 1	<u>30</u>	<u>32</u> min.
Shut-in No. 1	<u>30</u>	<u>28</u> min.
Flow No. 2	<u>30</u>	<u>32</u> min.
Shut-in No. 2	<u>30</u>	<u>33</u> min.
Flow No. 3	<u>--</u>	<u>--</u> min.
Shut-in No. 3	<u>--</u>	<u>--</u> min.

Recorder Type Kuster AK-1
No. 11017 Cap. 4750 psi
Depth 4314 feet
Inside X Outside

	Clock No. 26833	Hr. 12
Initial Hydrostatic	A	2291
Final Hydrostatic	K	2278
Initial Flow	B	82
Final Initial Flow	C	82
Initial Shut-in	D	637
Second Initial Flow	E	108
Second Final Flow	F	82
Second Shut-in	G	460
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Pipe Recovery: 60' Drilling mud = .29 bbls.

Surface Blow:

- 1st flow: Tool opened with a 1" blow. Bypassed tools ("X" on chart) after 15 minutes with a 2" blow, decreased to a 1" blow at end of flow period.
- 2nd flow: Tool opened with a 1" blow, and remained throughout flow period.

Remarks: Slid tool 8 feet to bottom when opening tool for the first flow period.

Operator TEXAS ENERGIES, INC.
Ticket No. 4121

Well Name & No. Lawrence #1-17
Date 7-7-84

DST No. 2
Interval 4332-4368'

Star Hughes

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

LAWRENCE #1-17

Well Name and No.

2

DST No.

RECORDER NO. 11017

DEPTH 4314 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 32

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	82
2	18.67	88
4	9.15	91
6	6.30	118
8	4.93	145
10	4.21	192
12	3.65	241
14	3.26	292
16	2.96	358
18	2.77	419
20	2.58	472
22	2.45	526
24	2.32	568
26	2.23	604
28	2.15	637

Star Hughes

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.
Operator

LAWRENCE #1-17
Well Name and No.

2
DST No.

RECORDER NO. 11017

DEPTH 4314 Ft.

FINAL SHUT-IN
TOTAL FLOW TIME: T = 64

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	82
2	31.29	82
4	17.31	83
6	11.60	87
8	8.85	94
10	7.24	110
12	6.30	131
14	5.51	158
16	5.00	196
18	4.53	244
20	4.21	297
22	3.90	341
24	3.68	368
26	3.47	388
28	3.30	410
30	3.14	432
32	3.02	450
33	2.95	460

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1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor	Wheatstate Drlg.	Surface Choke	1"	Mud Type	Gel-Starch
Rig No.	--	Bottom Choke	5/8"	Weight	9.3
Spot	C-E-SW	Hole Size	7 7/8"	Viscosity	50
Sec.	17	Core Hole Size	--	Water Loss	12.4
Twp.	32S	DP Size & Wt.	4 1/2" XH 16.60	Filter Cake	2/32
Rng.	11W	Wt. Pipe	--	Resistivity	-- @ -- OF
Field	--	I.D. of DC	2.25"		33,000 Ppm. NaCl
County	Barber	Length of DC	120'	B.H.T.	-- OF
State	Kansas	Total Depth	4388'	Co. Rep.	Mike Schwartz
Elevation	1501' KB	Type Test	Conventional	Tester	Kurt Karst
Formation	Mississippi	Interval	4360-4388'		
On Location @	1:00 pm	Off Location @	10:00 pm		

	REPORTED	CORRECTED
Opened Tool @	3:45 pm	hrs.
Flow No. 1	30	35 min.
Shut-in No. 1	45	45 min.
Flow No. 2	45	48 min.
Shut-in No. 2	75	81 min.
Flow No. 3		min.
Shut-in No. 3		min.

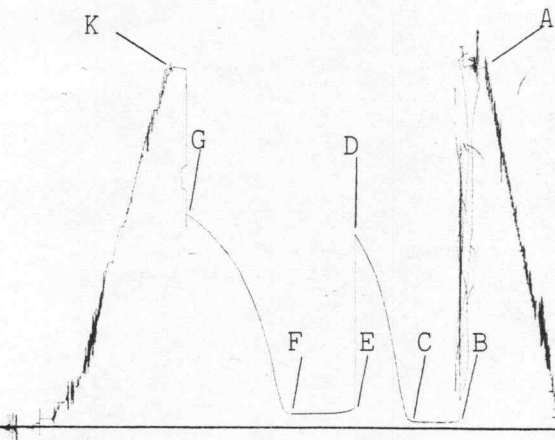
Recorder Type Kuster AK-1
No. 11017 Cap. 4750 psi
Depth 4342 feet
Inside X Outside

Clock No.	85820	Hr.	12
Initial Hydrostatic	A	2314	
Final Hydrostatic	K	2293	
Initial Flow	B	78	
Final Initial Flow	C	76	
Initial Shut-in	D	1282	
Second Initial Flow	E	138	
Second Final Flow	F	124	
Second Shut-in	G	1405	
Third Initial Flow	H	--	
Third Final Flow	I	--	
Third Shut-in	J	--	

Pipe Recovery: 140' Total fluid
20' Drilling mud with oil specks = .28 bbls.
60' Watery mud = .29 bbls.
60' Muddy water = .29 bbls.
Bottom Sample RW: .08 @ 75°F = 90,000 ppm NaCl

Surface Blow:

1st flow: Tool opened with a 1/2" blow, increased to a 6" blow at end of flow period.
2nd flow: Tool opened with a 4" blow, increased to a 10" blow at end of flow period.



Operator TEXAS ENERGIES, INC.
Ticket No. 4122

Well Name & No. Lawrence #1-17
Date 7-7-84

DST No. 3
Interval 4360-4388'

Star Hughes

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

LAWRENCE #1-17

Well Name and No.

3

DST No.

RECORDER NO. 11017

DEPTH 4342 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 35

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	76
2	17.57	81
4	9.29	88
6	6.80	118
8	5.30	177
10	4.41	263
12	3.90	360
14	3.47	468
16	3.19	550
18	2.93	644
20	2.76	733
25	2.40	903
30	2.16	1033
35	1.99	1125
40	1.87	1207
45	1.77	1282

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INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

LAWRENCE #1-17

Well Name and No.

3

DST No.

RECORDER NO. 11017

DEPTH 4342 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 83

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	124
2	40.57	126
4	20.79	132
6	14.85	156
8	11.26	199
10	9.39	262
12	7.92	323
14	7.02	406
16	6.23	497
18	5.69	567
20	5.20	621
25	4.34	758
30	3.77	871
35	3.39	963
40	3.08	1051
45	2.86	1114
50	2.67	1169
55	2.52	1217
60	2.39	1263
65	2.28	1306
70	2.19	1343
75	2.11	1373
80	2.04	1400
81	2.03	1405