

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT 89210FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

RECEIVED

2. Name of Operator Yates Energy Corporation

MAR 15 2006

3a. Address
P. O. Box 2323, Roswell, New Mexico 882023b. Phone No. (include area code)
505-623-4935

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1550' FSL & 860' FEL of Sec. 23, T-23S., R-23E

5. Lease Serial No.

NM 111398

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No

North Hess Federal "23" #1

9. API Well No.

30-015-34509

10. Field and Pool, or Exploratory Area

Hess Morrow East

11. County or Parish, State

Eddy, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other weekly drilling
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Week of January 22, 2006 - January 28, 2006.

Drilled from 4578' to 7161'.

Formation Shale and Lime.

Deviation surveys @4560' - 2 degrees, @5038' 1 3/4 degree; @5527' 1 1/2 degree; @5998' 1 3/4 degree; @6493' 1 3/4 degree; @6962' 1 1/4 degree.

Circulated drilling break at 7150' to 7161'.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Sheryl L. Jonas

Title Agent for Yates Energy Corporation

Signature

Sheryl L. Jonas

Date

03/07/2006

ACCEPTED FOR RECORD THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by DAVID R. CLARK

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

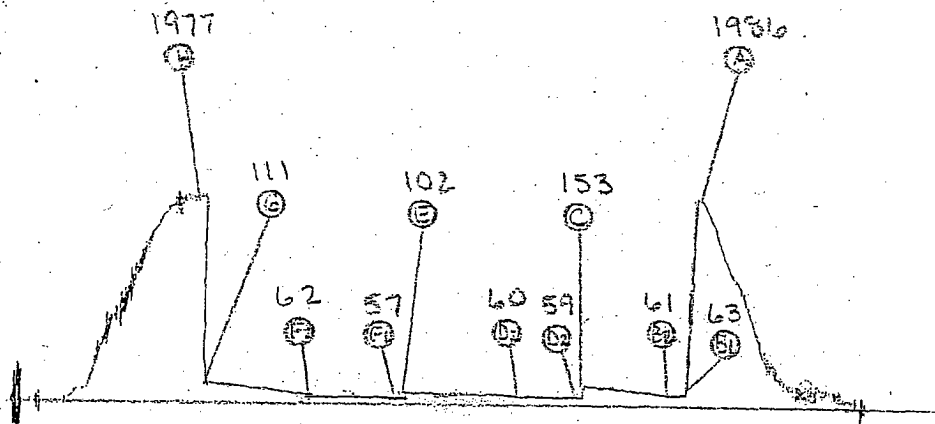


YATES ENERGY CORPORATION

NORTH HESS FED. "23" # 1
D.S.T. NO. :2

		CORRECTED READING	FIELD READING
A	INITIAL HYDROSTATIC:	1962 PSI	1960 PSI
B-1	INITIAL FIRST FLOW :	44 PSI	40 PSI
B-2	FINAL FIRST FLOW :	43 PSI	42 PSI
C	FIRST SHUT-IN :	149 PSI	149 PSI
D-1	INITIAL SECOND FLOW:	43 PSI	42 PSI
D-2	FINAL SECOND FLOW :	46 PSI	45 PSI
E	SECOND SHUT-IN :	95 PSI	95 PSI
F-1	INITIAL THIRD FLOW :	39 PSI	46 PSI
F-2	FINAL THIRD FLOW :	48 PSI	48 PSI
G	THIRD SHUT-IN :	101 PSI	101 PSI
H	FINAL HYDROSTATIC :	1956 PSI	1960 PSI

TKT-23450 REC-13909 WT-8750
AK-1 KUSTER BY HP. CLOCK
BOTTOM RECORDER : OUTSIDE



PIPE RECOVERY

RECOVERY DATA

B.H. TEMP. (deg F) : 100

SAMPLE CHAMBER

680 FT. OF GAS IN PIPE & COLLARS
8 FT. OF DRLG. FLUID
52,000 MG/L CHLORIDES - .075 OHMS @ 85 DEGREES

10 LBS. OF PRESSURE
0.02 CU. FT. OF GAS
3000 CC'S OF DRLG. FLUID
52,000 MG/L CHLORIDES
.075 OHMS @ 85 DEGREES

TEST REMARKS

TOOL OPENED WITH A WEAK BLOW 1/4" IN WATER, 2" IN WATER IN 5 MIN., 1" IN 10 MIN. & ON SURFACE AT END OF THE 30 MIN. FIRST FLOW. REOPENED WITH 3" IN WATER, 2.5" IN 5 MIN., 1.5" IN 10 MIN., 1/8" IN 20 MIN. & AT SURFACE IN 30 MIN. & CONTINUED THROUGHOUT 60 MIN. SECOND FLOW. REOPENED TOOL WITH 1" IN WATER, 1.5" IN 5 MIN., 1/4" IN WATER IN 10 MIN. AND DIED IN 16 MIN. OF THE 225 MIN. THIRD FLOW PERIOD.

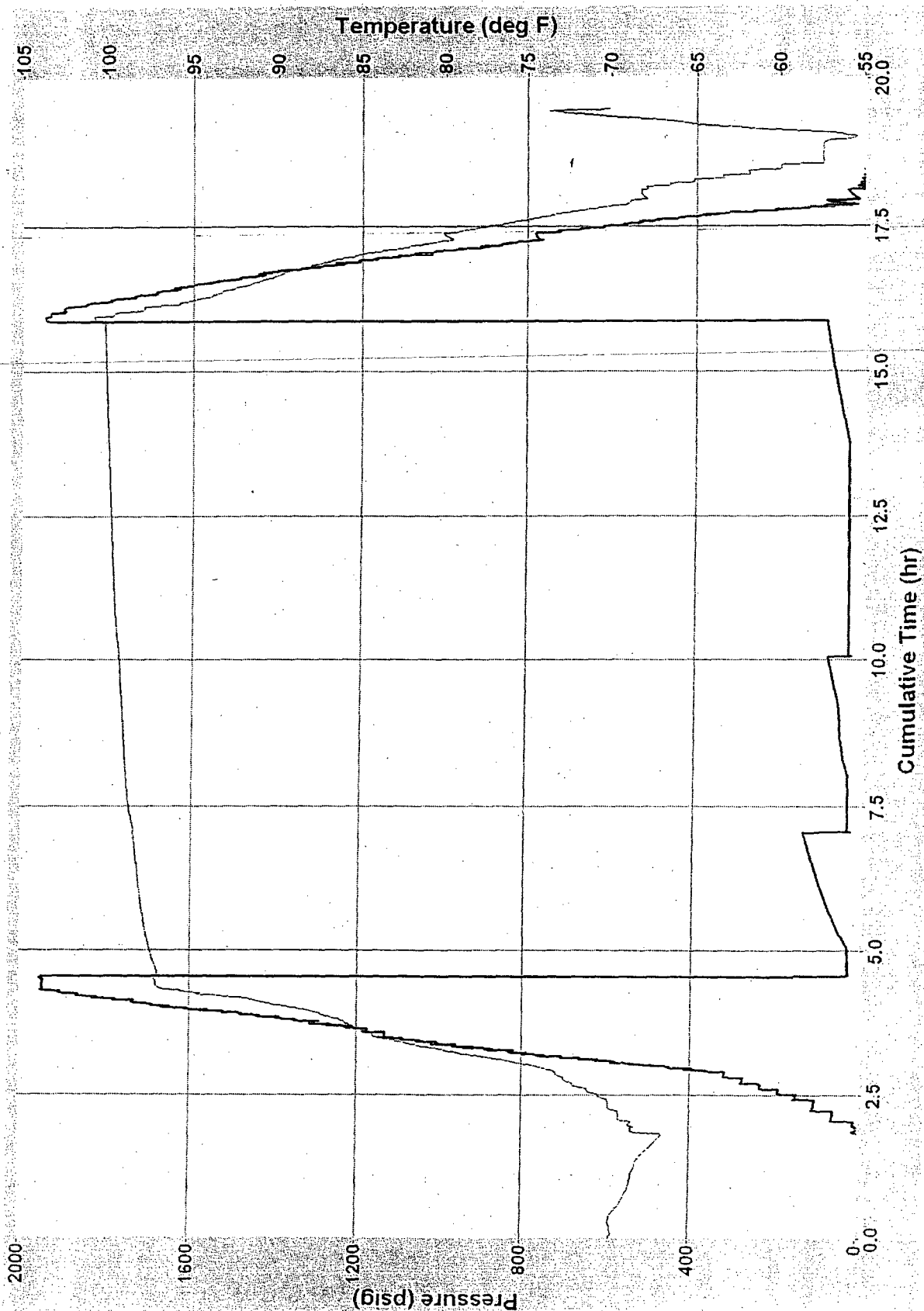
zed.i
solutions

Company Name
Well Name
Type of Test
Date(s) of Test

YATES ENERGY CORPORATION
NORTH HESS FED. "23" #1
DST #2 2nd BONE SPRING SAND
1-19-2006 4263 - 4441 FT.



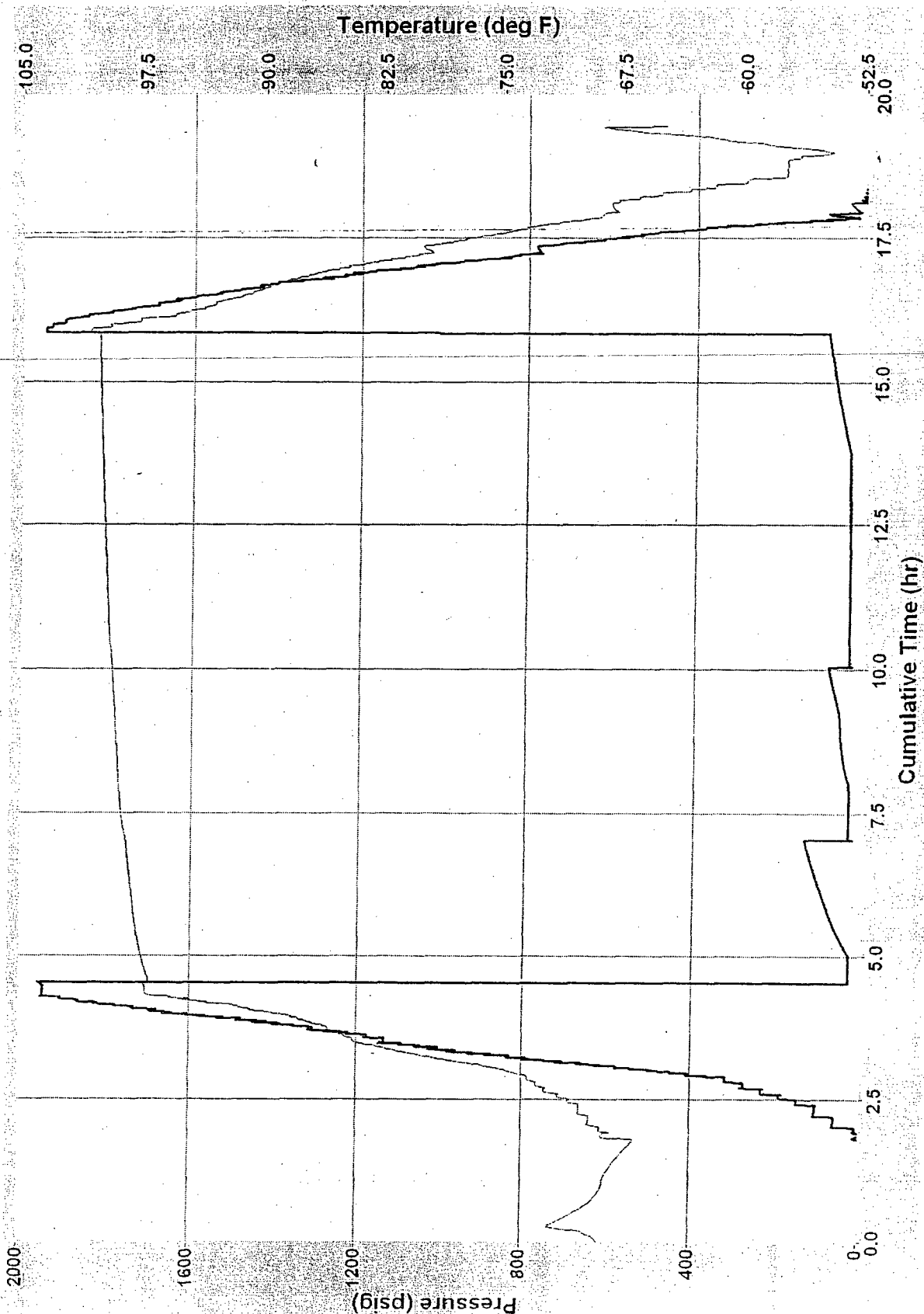
RIG TESTERS, INC. GUAGE # 9634



Company Name
Well Name
Type of Test
Date(s) of Test

YATES ENERGY CORPORATION
NORTH HESS FED. "23" #1
DST #2 2nd BONE SPRINGS SAND
1-19-2006 4263 - 4441 FT.

RIG TESTERS, INC. GAUGE # 9635



YATES ENERGY CORPORATION


 NORTH HESS FED. "23" # 1
 D.S.T. NO. : 2

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 4275 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
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FIRST FLOW

.0	.0			44.10	.00
1.0	1.0			39.72	-4.38
2.0	2.0			40.65	-3.45
3.0	3.0			42.10	-2.00
4.0	4.0			40.88	-3.22
5.0	5.0			41.78	-2.32
6.0	6.0			41.70	-2.40
7.0	7.0			41.22	-2.88
8.0	8.0			41.54	-2.56
9.0	9.0			41.40	-2.70
10.0	10.0			42.58	-1.52
11.0	11.0			41.49	-2.61
12.0	12.0			41.80	-2.30
13.0	13.0			42.18	-1.92
14.0	14.0			41.81	-2.29
15.0	15.0			41.80	-2.30
16.0	16.0			42.02	-2.08
17.0	17.0			41.77	-2.33
18.0	18.0			42.10	-2.00
19.0	19.0			42.20	-1.90
20.0	20.0			41.89	-2.21
21.0	21.0			42.40	-1.70
22.0	22.0			42.10	-2.00
23.0	23.0			42.59	-1.51
24.0	24.0			42.20	-1.90
25.0	25.0			43.02	-1.08
26.0	26.0			42.27	-1.83
27.0	27.0			42.90	-1.20
28.0	28.0			42.86	-1.24
29.0	29.0			42.79	-1.31
30.0	30.0			43.60	-.50

FIRST SHUT-IN

30.0	30.0	.00	.000	43.60	.00
30.5	30.0	.50	61.000	44.33	.73
31.0	30.0	1.00	31.000	45.17	1.57
31.5	30.0	1.50	21.000	45.90	2.30
32.0	30.0	2.00	16.000	46.75	3.15
32.5	30.0	2.50	13.000	47.47	3.87
33.0	30.0	3.00	11.000	48.30	4.70
33.5	30.0	3.50	9.571	49.03	5.43
34.0	30.0	4.00	8.500	49.77	6.17
34.5	30.0	4.50	7.667	50.40	6.80
35.0	30.0	5.00	7.000	51.15	7.55
36.0	30.0	6.00	6.000	52.60	9.00

YATES ENERGY CORPORATION


 NORTH HESS FED. "23" # 1
 D.S.T. NO. : 2

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 4275 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST SHUT-IN					
37.0	30.0	7.00	5.286	53.97	10.37
38.0	30.0	8.00	4.750	55.25	11.65
39.0	30.0	9.00	4.333	56.60	13.00
40.0	30.0	10.00	4.000	57.77	14.17
42.0	30.0	12.00	3.500	60.30	16.70
44.0	30.0	14.00	3.143	62.65	19.05
46.0	30.0	16.00	2.875	64.98	21.38
48.0	30.0	18.00	2.667	67.30	23.70
50.0	30.0	20.00	2.500	69.46	25.86
52.0	30.0	22.00	2.364	71.58	27.98
54.0	30.0	24.00	2.250	73.80	30.20
56.0	30.0	26.00	2.154	75.77	32.17
58.0	30.0	28.00	2.071	77.88	34.28
60.0	30.0	30.00	2.000	79.80	36.20
63.0	30.0	33.00	1.909	82.80	39.20
66.0	30.0	36.00	1.833	85.70	42.10
69.0	30.0	39.00	1.769	88.50	44.90
72.0	30.0	42.00	1.714	91.30	47.70
75.0	30.0	45.00	1.667	94.00	50.40
78.0	30.0	48.00	1.625	96.60	53.00
81.0	30.0	51.00	1.588	99.30	55.70
84.0	30.0	54.00	1.556	101.80	58.20
87.0	30.0	57.00	1.526	104.20	60.60
90.0	30.0	60.00	1.500	106.80	63.20
93.0	30.0	63.00	1.476	109.20	65.60
96.0	30.0	66.00	1.455	111.60	68.00
99.0	30.0	69.00	1.435	114.00	70.40
102.0	30.0	72.00	1.417	116.30	72.70
105.0	30.0	75.00	1.400	118.60	75.00
108.0	30.0	78.00	1.385	120.80	77.20
111.0	30.0	81.00	1.370	123.10	79.50
114.0	30.0	84.00	1.357	125.30	81.70
117.0	30.0	87.00	1.345	127.50	83.90
120.0	30.0	90.00	1.333	129.70	86.10
125.0	30.0	95.00	1.316	133.17	89.57
130.0	30.0	100.00	1.300	136.68	93.08
135.0	30.0	105.00	1.286	140.20	96.60
140.0	30.0	110.00	1.273	143.49	99.89
145.0	30.0	115.00	1.261	146.88	103.28
149.5	30.0	119.52	1.251	149.90	106.30

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SECOND FLOW

150.2	30.7			43.60	.00
152.2	32.7			46.57	2.97
154.2	34.7			45.77	2.17
156.2	36.7			45.60	2.00
158.2	38.7			45.60	2.00
160.2	40.7			45.60	2.00
162.2	42.7			45.50	1.90
164.2	44.7			45.68	2.08
166.2	46.7			45.59	1.99
168.2	48.7			45.40	1.80
170.2	50.7			45.52	1.92
172.2	52.7			45.58	1.98
174.2	54.7			45.00	1.40
176.2	56.7			45.43	1.83
178.2	58.7			45.18	1.58
180.2	60.7			45.20	1.60
182.2	62.7			45.05	1.45
184.2	64.7			45.35	1.75
186.2	66.7			45.40	1.80
188.2	68.7			45.35	1.75
190.2	70.7			45.50	1.90
192.2	72.7			45.70	2.10
194.2	74.7			45.50	1.90
196.2	76.7			45.68	2.08
198.2	78.7			44.70	1.10
200.2	80.7			45.85	2.25
202.2	82.7			45.89	2.29
204.2	84.7			44.70	1.10
206.2	86.7			46.30	2.70
208.2	88.7			45.78	2.18
209.3	89.8			46.00	2.40

SECOND SHUT-IN

209.3	89.8	.00	.000	46.00	.00
209.8	89.8	.50	180.520	46.42	.42
210.3	89.8	1.00	90.760	46.92	.92
210.8	89.8	1.50	60.840	47.30	1.30
211.3	89.8	2.00	45.880	47.82	1.82
211.8	89.8	2.50	36.904	48.13	2.13
212.3	89.8	3.00	30.920	48.60	2.60
212.8	89.8	3.50	26.646	48.92	2.92
213.3	89.8	4.00	23.440	49.33	3.33
213.8	89.8	4.50	20.947	49.70	3.70
214.3	89.8	5.00	18.952	50.11	4.11
215.3	89.8	6.00	15.960	50.70	4.70

YATES ENERGY CORPORATION


 NORTH HESS FED. "23" # 1
 D.S.T. NO. : 2

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 4275 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT, ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
		SECOND SHUT-IN			
216.3	89.8	7.00	13.823	51.44	5.44
217.3	89.8	8.00	12.220	52.21	6.21
218.3	89.8	9.00	10.973	52.80	6.80
219.3	89.8	10.00	9.976	53.43	7.43
221.3	89.8	12.00	8.480	54.60	8.60
223.3	89.8	14.00	7.411	55.81	9.81
225.3	89.8	16.00	6.610	56.82	10.82
227.3	89.8	18.00	5.987	57.70	11.70
229.3	89.8	20.00	5.488	58.62	12.62
231.3	89.8	22.00	5.080	59.50	13.50
233.3	89.8	24.00	4.740	60.20	14.20
235.3	89.8	26.00	4.452	60.90	14.90
237.3	89.8	28.00	4.206	61.60	15.60
239.3	89.8	30.00	3.992	62.20	16.20
242.3	89.8	33.00	3.720	63.20	17.20
245.3	89.8	36.00	3.493	64.00	18.00
248.3	89.8	39.00	3.302	64.70	18.70
251.3	89.8	42.00	3.137	65.30	19.30
254.3	89.8	45.00	2.995	65.80	19.80
257.3	89.8	48.00	2.870	66.30	20.30
260.3	89.8	51.00	2.760	66.70	20.70
263.3	89.8	54.00	2.662	67.10	21.10
266.3	89.8	57.00	2.575	67.40	21.40
269.3	89.8	60.00	2.496	67.60	21.60
272.3	89.8	63.00	2.425	67.90	21.90
275.3	89.8	66.00	2.360	68.10	22.10
278.3	89.8	69.00	2.301	69.00	23.00
281.3	89.8	72.00	2.247	70.40	24.40
284.3	89.8	75.00	2.197	71.80	25.80
287.3	89.8	78.00	2.151	73.50	27.50
290.3	89.8	81.00	2.108	75.10	29.10
293.3	89.8	84.00	2.069	76.80	30.80
296.3	89.8	87.00	2.032	78.40	32.40
299.3	89.8	90.00	1.997	80.00	34.00
304.3	89.8	95.00	1.945	82.71	36.71
309.3	89.8	100.00	1.898	85.15	39.15
314.3	89.8	105.00	1.855	87.80	41.80
319.3	89.8	110.00	1.816	90.21	44.21
324.3	89.8	115.00	1.781	92.72	46.72
329.3	89.8	120.00	1.748	95.10	49.10
329.8	89.8	120.48	1.745	95.20	49.20

YATES ENERGY CORPORATION


 NORTH HESS FED. "23" # 1
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INCREMENTAL PRESSURE DATA

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RECORDER DEPTH : 4275 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
THIRD FLOW					
330.2	90.2			39.20	.00
335.2	95.2			46.70	7.50
340.2	100.2			46.67	7.47
345.2	105.2			46.80	7.60
350.2	110.2			46.90	7.70
355.2	115.2			46.52	7.32
360.2	120.2			46.80	7.60
365.2	125.2			46.80	7.60
370.2	130.2			46.85	7.65
375.2	135.2			46.30	7.10
380.2	140.2			46.77	7.57
385.2	145.2			46.98	7.78
390.2	150.2			47.00	7.80
395.2	155.2			47.37	8.17
400.2	160.2			47.28	8.08
405.2	165.2			47.10	7.90
410.2	170.2			47.00	7.80
415.2	175.2			47.32	8.12
420.2	180.2			47.30	8.10
425.2	185.2			47.40	8.20
430.2	190.2			47.66	8.46
435.2	195.2			47.80	8.60
440.2	200.2			47.70	8.50
445.2	205.2			47.42	8.22
450.2	210.2			47.60	8.40
455.2	215.2			47.58	8.38
460.2	220.2			47.78	8.58
465.2	225.2			47.80	8.60
470.2	230.2			47.38	8.18
475.2	235.2			47.80	8.60
480.2	240.2			47.50	8.30
485.2	245.2			48.00	8.80
490.2	250.2			47.71	8.51
495.2	255.2			48.00	8.80
500.2	260.2			48.07	8.87
505.2	265.2			48.09	8.89
510.2	270.2			47.70	8.50
515.2	275.2			47.83	8.63
520.2	280.2			48.20	9.00
525.2	285.2			47.70	8.50
530.2	290.2			48.20	9.00
535.2	295.2			47.75	8.55
540.2	300.2			48.20	9.00
545.2	305.2			48.20	9.00

YATES ENERGY CORPORATION


 NORTH HESS FED. "23" # 1
 D.S.T. NO. : 2

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 4275 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
THIRD FLOW					
550.2	310.2			48.51	9.31
555.2	315.2			48.30	9.10
555.8	315.8			48.40	9.20
THIRD SHUT-IN					
555.8	315.8	.00	.000	48.40	.00
556.3	315.8	.50	632.560	48.82	.42
556.8	315.8	1.00	316.780	49.11	.71
557.3	315.8	1.50	211.520	49.50	1.10
557.8	315.8	2.00	158.890	49.72	1.32
558.3	315.8	2.50	127.312	50.03	1.63
558.8	315.8	3.00	106.260	50.30	1.90
559.3	315.8	3.50	91.223	50.70	2.30
559.8	315.8	4.00	79.945	50.91	2.51
560.3	315.8	4.50	71.173	51.10	2.70
560.8	315.8	5.00	64.156	51.50	3.10
561.8	315.8	6.00	53.630	51.80	3.40
562.8	315.8	7.00	46.111	52.51	4.11
563.8	315.8	8.00	40.473	52.92	4.52
564.8	315.8	9.00	36.087	53.50	5.10
565.8	315.8	10.00	32.578	54.10	5.70
567.8	315.8	12.00	27.315	55.00	6.60
569.8	315.8	14.00	23.556	56.02	7.62
571.8	315.8	16.00	20.736	57.11	8.71
573.8	315.8	18.00	18.543	58.10	9.70
575.8	315.8	20.00	16.789	59.12	10.72
577.8	315.8	22.00	15.354	60.11	11.71
579.8	315.8	24.00	14.158	61.00	12.60
581.8	315.8	26.00	13.145	62.01	13.61
583.8	315.8	28.00	12.278	63.01	14.61
585.8	315.8	30.00	11.526	63.90	15.50
588.8	315.8	33.00	10.569	65.30	16.90
591.8	315.8	36.00	9.772	66.70	18.30
594.8	315.8	39.00	9.097	68.10	19.70
597.8	315.8	42.00	8.519	69.40	21.00
600.8	315.8	45.00	8.017	70.70	22.30
603.8	315.8	48.00	7.579	72.10	23.70
606.8	315.8	51.00	7.192	73.30	24.90
609.8	315.8	54.00	6.848	74.70	26.30

YATES ENERGY CORPORATION


 NORTH HESS FED. "23" # 1
 D.S.T. NO. : 2

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

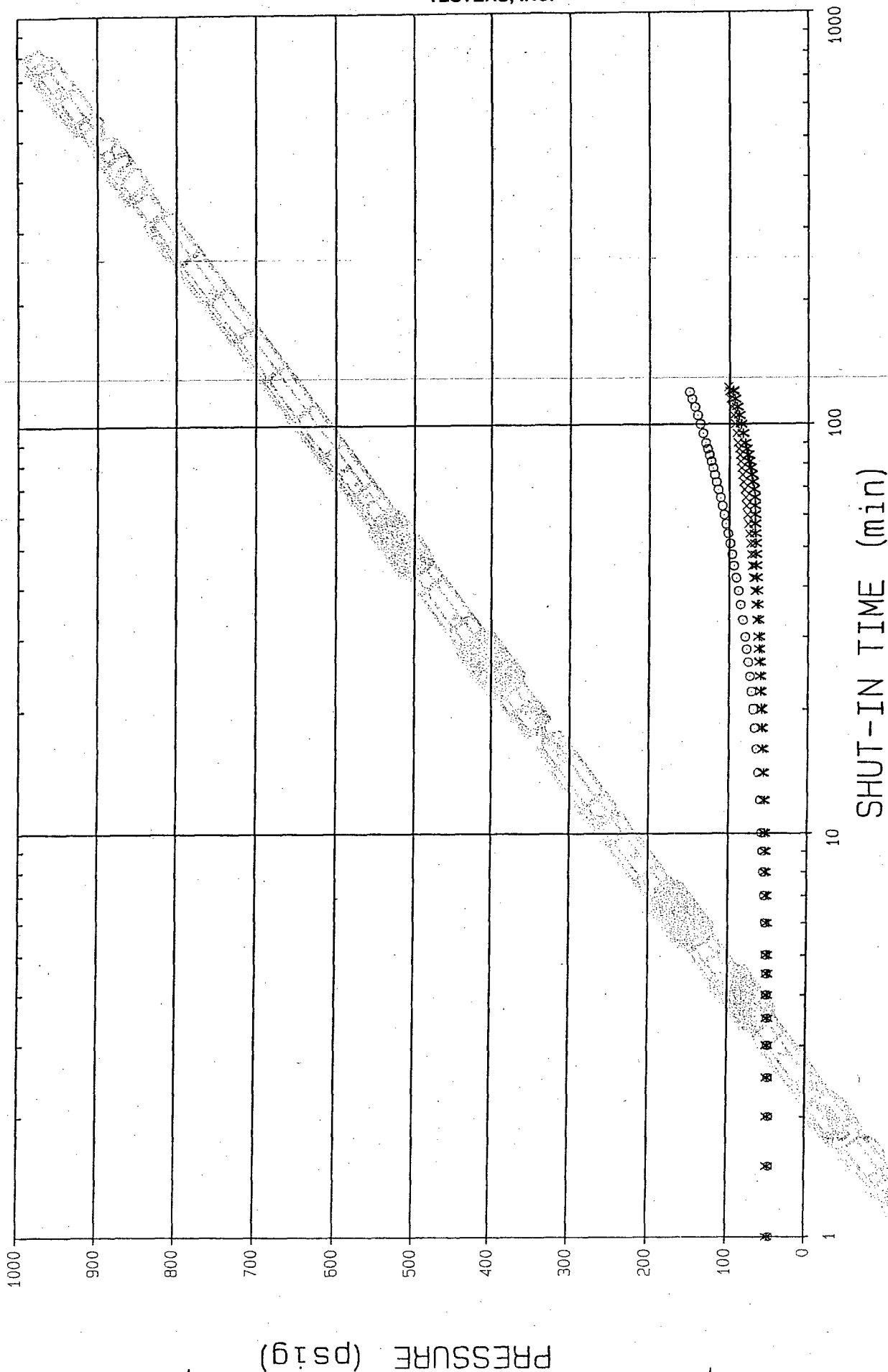
RECORDER DEPTH : 4275 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
THIRD SHUT-IN					
612.8	315.8	57.00	6.540	76.00	27.60
615.8	315.8	60.00	6.263	77.20	28.80
618.8	315.8	63.00	6.012	78.50	30.10
621.8	315.8	66.00	5.785	79.70	31.30
624.8	315.8	69.00	5.577	81.00	32.60
627.8	315.8	72.00	5.386	82.10	33.70
630.8	315.8	75.00	5.210	83.40	35.00
633.8	315.8	78.00	5.048	84.60	36.20
636.8	315.8	81.00	4.899	85.80	37.40
639.8	315.8	84.00	4.759	86.90	38.50
642.8	315.8	87.00	4.630	88.10	39.70
645.8	315.8	90.00	4.509	89.30	40.90
650.8	315.8	95.00	4.324	91.20	42.80
655.8	315.8	100.00	4.158	93.03	44.63
660.8	315.8	105.00	4.007	95.00	46.60
665.8	315.8	110.00	3.871	96.81	48.41
670.8	315.8	115.00	3.746	98.71	50.31
675.8	315.8	120.00	3.632	100.40	52.00
678.5	315.8	122.70	3.574	101.50	53.10

REMARKS

THE INCREMENTAL PRESSURE, PLOTS & ANALYSIS ARE FROM ELECTRONIC RECORDERS
 PLEASE REFER TO DERIVATIVE DIAGNOSTICS ANALYSIS FOR FURTHER INFORMATION
 PRESSURE DATA (ASCII FILE) IS AVAILABLE ON DISKETTE WHEN REQUESTED

PRESSURE TIME



YATES ENERGY CORPORATION
NORTH HESS FED. "23" # 1



RigTesters, Inc.
ABILENE - MIDLAND - GRAHAM

YATES ENERGY CORPORATION NORTH HESS FED. "23" # 1

Well identification

Well ID	NORTH HESS "28"	Well location	40 SW. CARLSBAD
County/District	EDDY	State, Country	NEW MEXICO
Company	YATES ENERGY C	Division	ROSWELL

Fluid properties

Prod/Inj fluid	OIL	GOR	350:1
Water cut	0%	Condensate yield	UNKNOWN
API gravity	38.50	Gas spec. grav.	0.675
Viscosity	1.4772 cp	Pseudo-critical T	377.17 deg R
Pseudo-critical P	666.05 psia	H2S mole fraction	UNKNOWN
CO2 mole fraction	UNKNOWN	N2 mole fraction	UNKNOWN
Compressibility(t)	15.648 e-6/psi	Formation vol factor	1.1858 RB/STB

Reservoir properties

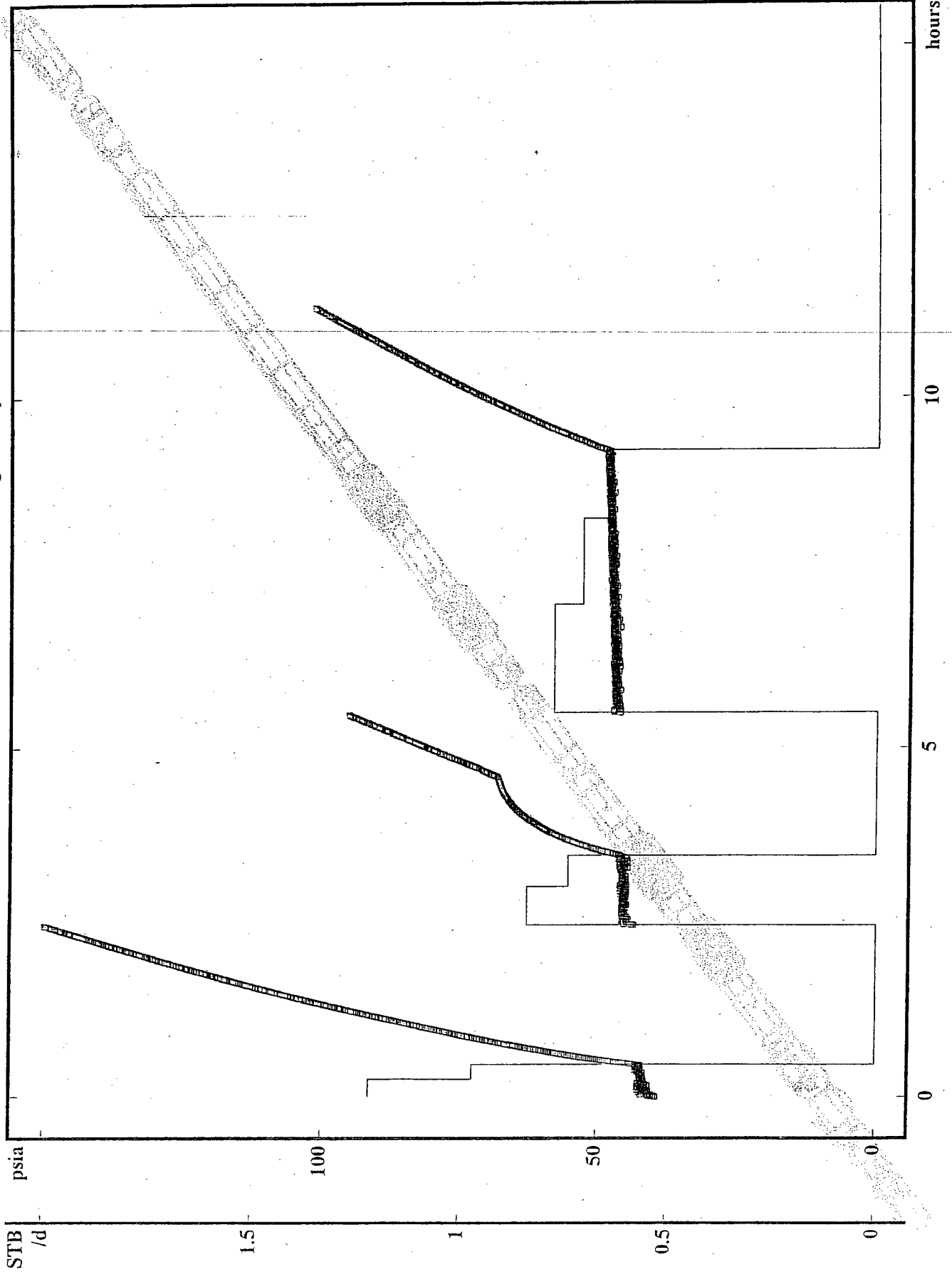
Porosity	0.1 frac	Formation thickness	40 ft
Wellbore radius	0.32813 ft	Prod-observer distance	N/A
Water-Oil Contact	UNKNOWN	Gas-Oil Contact	N/A
Gas-Water Contact	UNKNOWN	Rock compressibility	
Reservoir temperature	100 deg F	Pressure for properties	1776.4 psia

Comments

THE DERIVATIVES CONFIRM COMPLETE DOMINATION OF WELLBORE STORAGE EFFECT ON ALL THREE SHUT-IN PERIODS. ANY CALCULATIONS (EXTRAPOLATIONS, PERMEABILITY, SKIN, ETC.) UNDER THIS CONDITION WOULD BE AMBIGUOUS & UNRELIABLE. THE SECOND SHUT-IN PERIOD DOES SHOW A SECONDARY POROSITY RESPONSE IN MID-TIME DATA, BUT CALCULATIONS FROM IT WOULD NOT BE RELIABLE EITHER. THE FIXED PARAMETERS USED WERE AN EST. 10% POROSITY, 40 FT. OF NET PAY REPORTED AND AVERAGE (TIME WEIGHTED) PRODUCTION OF .71 BBLs. OF FLUID FOR THIRD FLOW PERIOD. THE RATES WERE BASED ON DENSITY OF FLUID RECOVERED VS. FLOWING PRESSURES. **NOTE; THE OVERALL TEST DATA INDICATES EXTREMELY LOW PERMEABILITY ASSOCIATED WITH LOW POROSITY.

YATES ENERGY CORPORATION NORTH HESS FED. "23" #1

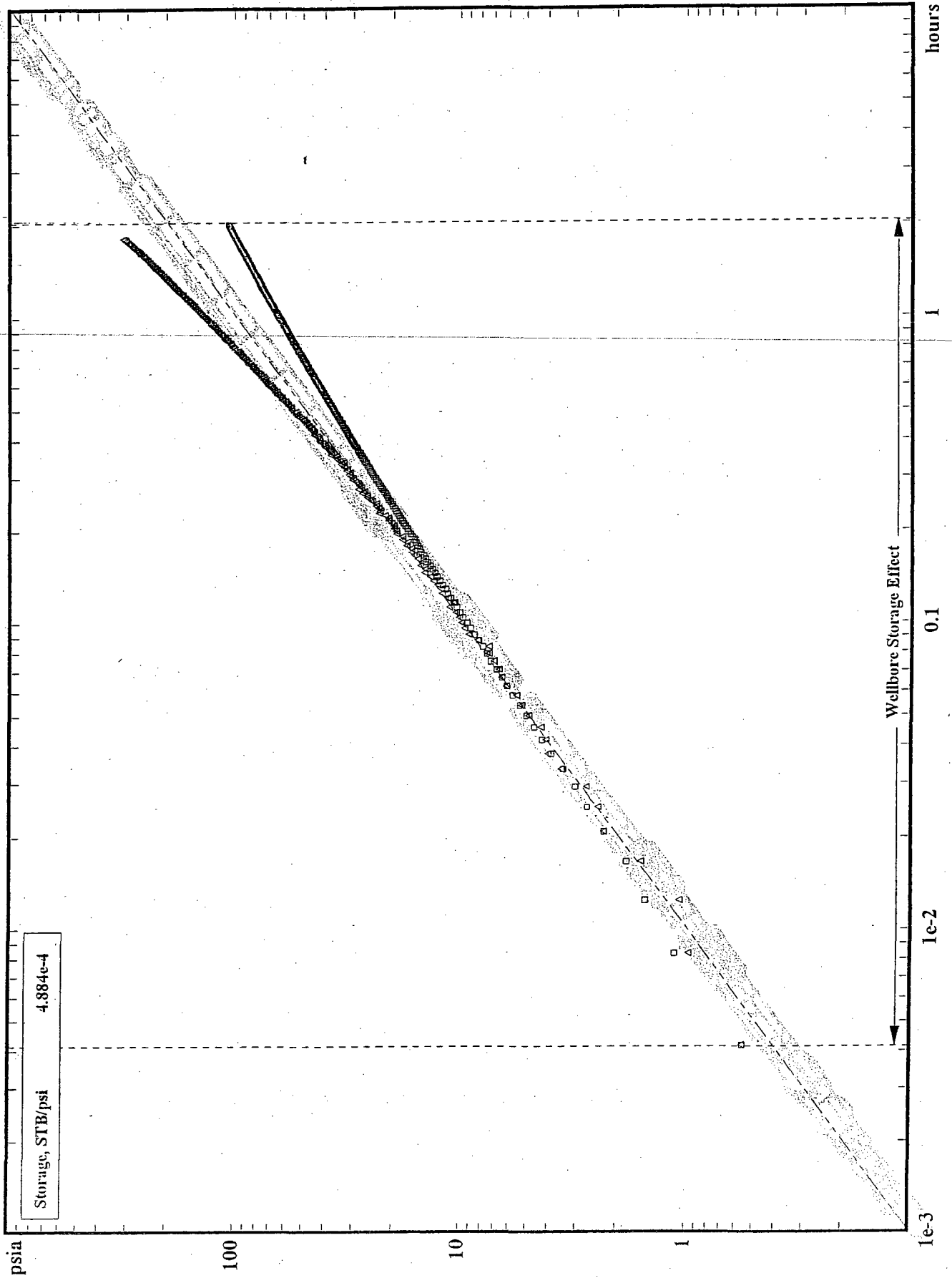
Pressure and flow rate vs time during test sequence



DST #2 2nd BONE SPRINGS SAND 4263 - 4441 FT.

YATES ENERGY CORPORATION NORTH HESS FED. "23" #1

Diagnostic plot (pressure & time)

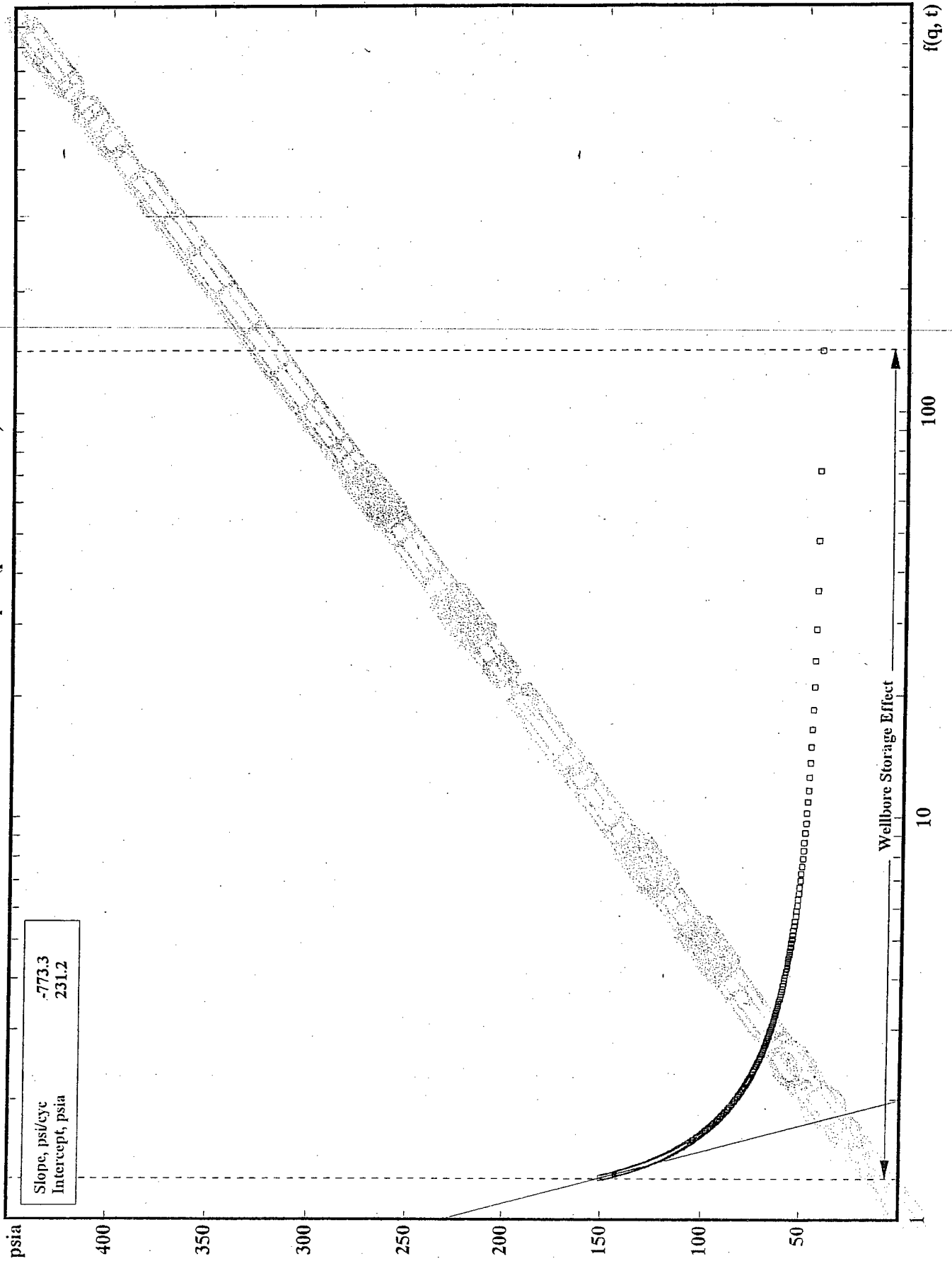


FIRST SHUT-IN PERIOD DST #2



YATES ENERGY CORPORATION NORTH HESS FED. "23" #1

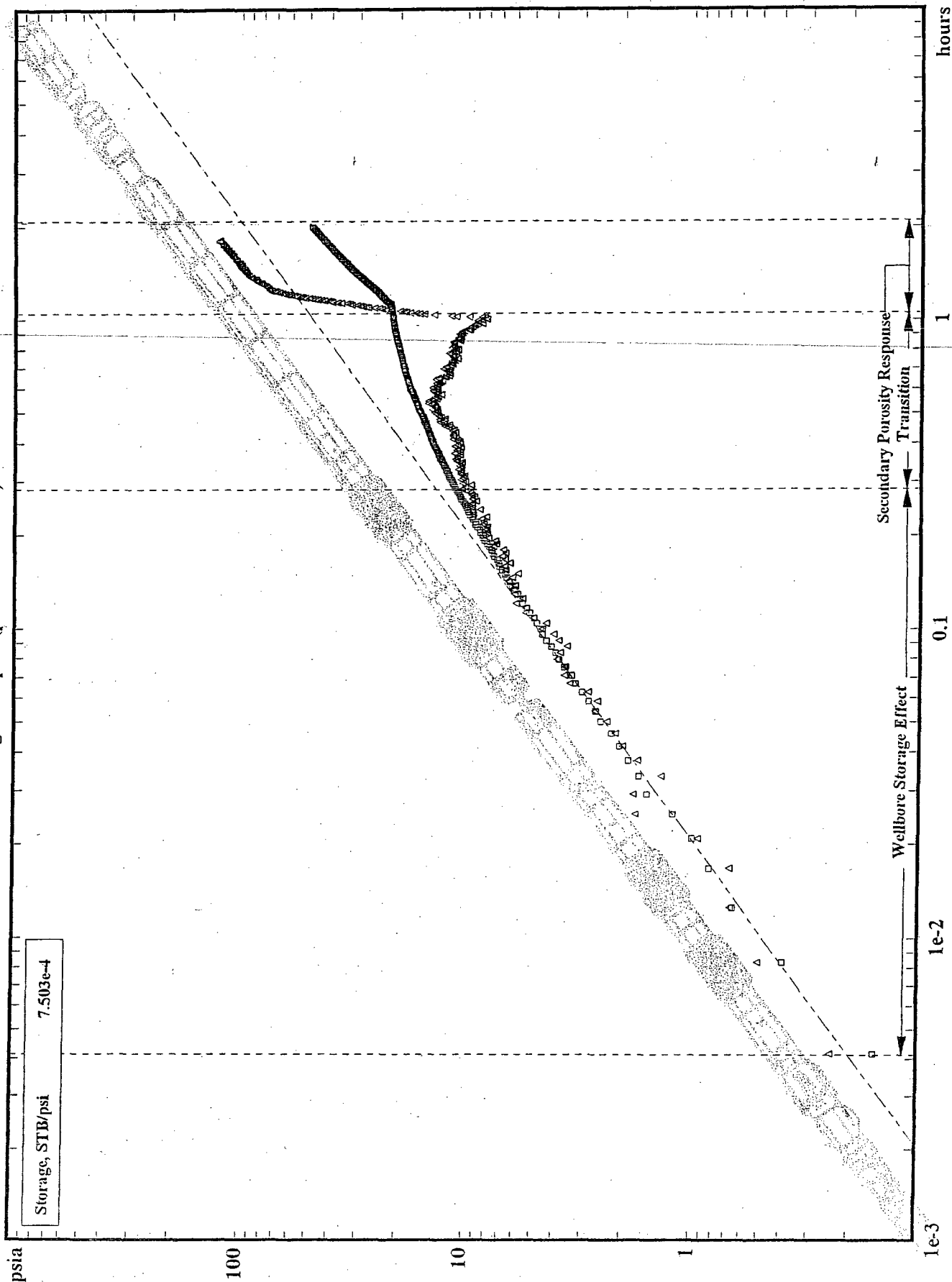
Variable rate Horner plot (pressure & time)



FIRST SHUT-IN PERIOD DST #2

YATES ENERGY CORPORATION NORTH HESS FED. "23" #1

Diagnostic plot (pressure & time)

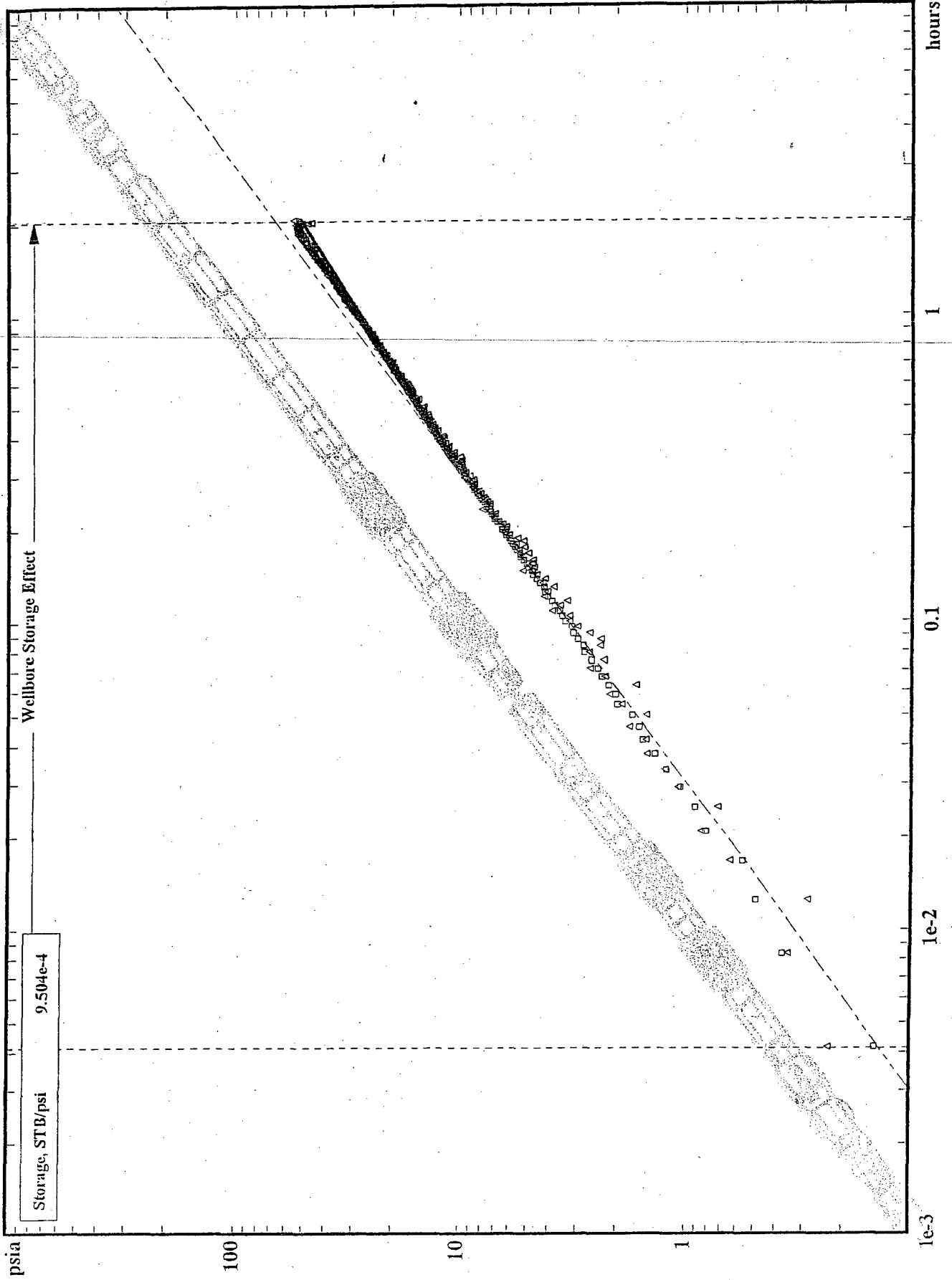


SECOND SHUT-IN PERIOD DST #2



YATES ENERGY CORPORATION NORTH HESS FED. "23" #1

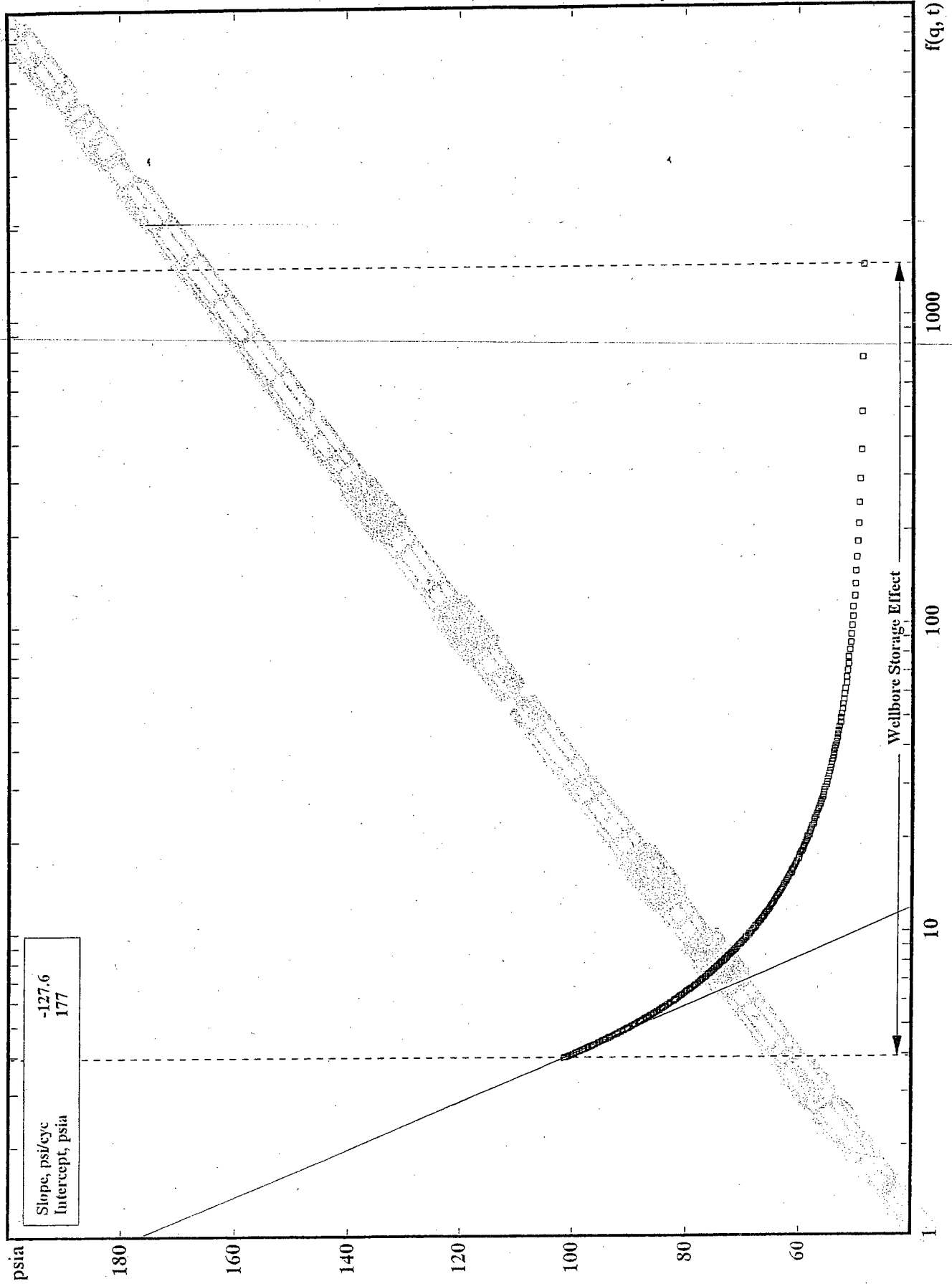
Diagnostic plot (pressure & time)



THIRD SHUT-IN PERIOD DST #2

YATES ENERGY CORPORATION NORTH HESS FED. "23" #1

Variable rate Horner plot (pressure & time)



THIRD SHUT-IN PERIOD DST #2