



COMPANY : MEWBOURNE OIL CO.
LEASE : GERONIMO "23" FED. COM
WELL NO. : # 1
FIELD : SHUGART MORROW
COUNTY/STATE : EDDY / NEW MEXICO

TEST DATE : 08/05/06
D.S.T. NO. : 1
TEST TKT. NO. : 23745
INVOICE NO. : 21840
ORDER NO. :

FORMATION	: MIDDLE MORROW	HOLE SIZE (in)	: 8.750	ANCHOR LENGTH (ft)	: 178
INTERVAL (ft)	: 11772 TO 11950	DRILL PIPE ID (in)	: 3.82	TOOL LENGTH (ft)	: 65
TOTAL DEPTH (ft)	: 11950	DRILL COLLAR ID(in)	: 2.25	TOOL O.D. (in)	: 5
ELEVATION (ft)	: 3683	DRILL COLLAR feet	: 673	PACKER SIZE (in)	: 7.50

RECORDER DATA
AK-1KUSTER / ZIPROBE

TOP RECORDER: IN
RECORDER NO. : 22027
CAPACITY (psi): 10000
DEPTH (ft) : 11787
CLOCK NO. : 22027
DURATION (hrs): 99

BOTTOM RECORDER: OUT
RECORDER NO. : 13815
CAPACITY (psi): 8275
DEPTH (ft) : 11947
CLOCK NO. : 18405
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : BRINE/STARCH
MUD WT. (#/gal) : 10.4

WATER LOSS (cc) : 7.60
FILTER CAKE (in) : 1/32
VISCOSITY (sec) : 39

CHLORIDE PPM : 185000
RESISTIVITY(ohm-m): .031

EQUIPMENT DATA

CONVENTIONAL : YES
STRADDLE : NO
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : YES

ROTARY JARS : YES
NO. OF PACKERS : 2
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : NO

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : YES
OTHER : YES
ZI(2) & FLOOR MANIFOLD

SUCCESSFUL : YES

PACKER FAILURE : NO

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 6:25 PM

TOTAL TEST TIME: 709

INITIAL FLOW : 230
SECOND FLOW : 0
THIRD FLOW :

INITIAL SHUT-IN: 479
SECOND SHUT-IN : 0
THIRD SHUT IN :

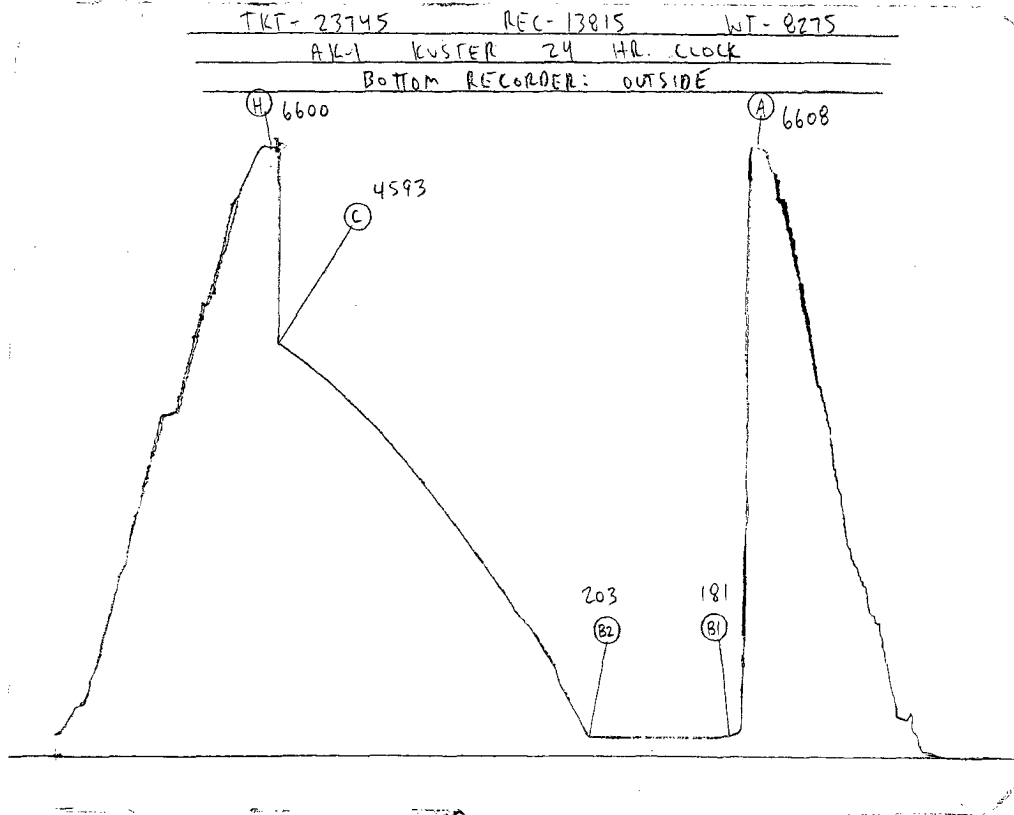
TEST TOOL OPERATOR: DON TERHUNE



MEWBOURNE OIL CO.

GERONIMO "23" FED. COM # 1
D.S.T. NO. :1

	CORRECTED READING	FIELD READING
A INITIAL HYDROSTATIC:	6541 PSI	6525 PSI
B-1 INITIAL FIRST FLOW :	109 PSI	106 PSI
B-2 FINAL FIRST FLOW :	135 PSI	170 PSI
C FIRST SHUT-IN :	4528 PSI	4516 PSI
D-1 INITIAL SECOND FLOW:	PSI	PSI
D-2 FINAL SECOND FLOW :	PSI	PSI
E SECOND SHUT-IN :	PSI	PSI
H FINAL HYDROSTATIC :	6533 PSI	6557 PSI



PIPE RECOVERY

RECOVERY DATA

B.H. TEMP. (deg F) : 179

SAMPLE CHAMBER

350 FT. OF GAS IN COLLARS
202 FT. OF DRLG. FLUID
185,000 MG/L CHLORIDES- .031 OHMS @ 85 DEGREES

100 LBS. OF PRESSURE
.54 CU. FT. OF GAS
800 CC'S OF DRLG. MUD

TEST REMARKS

TOOL OPENED WITH WEAK BLOW WHICH BUILT TO 10 OZS. ON 1/8" CHOKE, CHANGED CHOKE TO 1/4" IN 20 MIN. WITH (1/2" IN WATER) & THEN SLOWLY BUILT TO 8 OZS AT END OF THE 240 MIN. FLOW PERIOD.

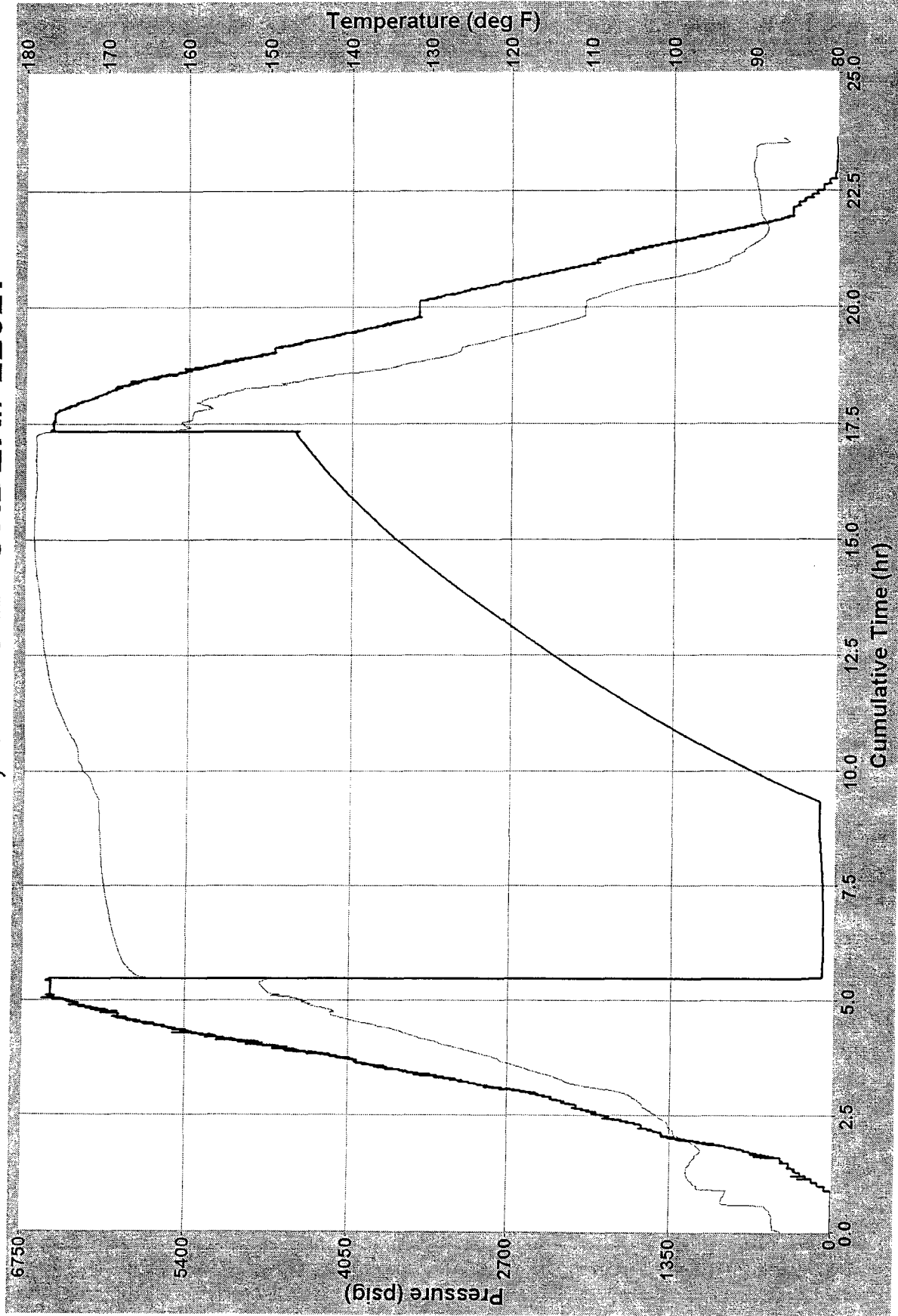


Company Name
Well Name
Type of Test
Date(s) of Test

MEWBOURNE OIL CO.
GERONIMO "23" COM. #1
DST #1 (11772-11950 FT.; MIDDLE MORROW)
8-5-06



RIG TESTERS, INC. RECORDER# 22027



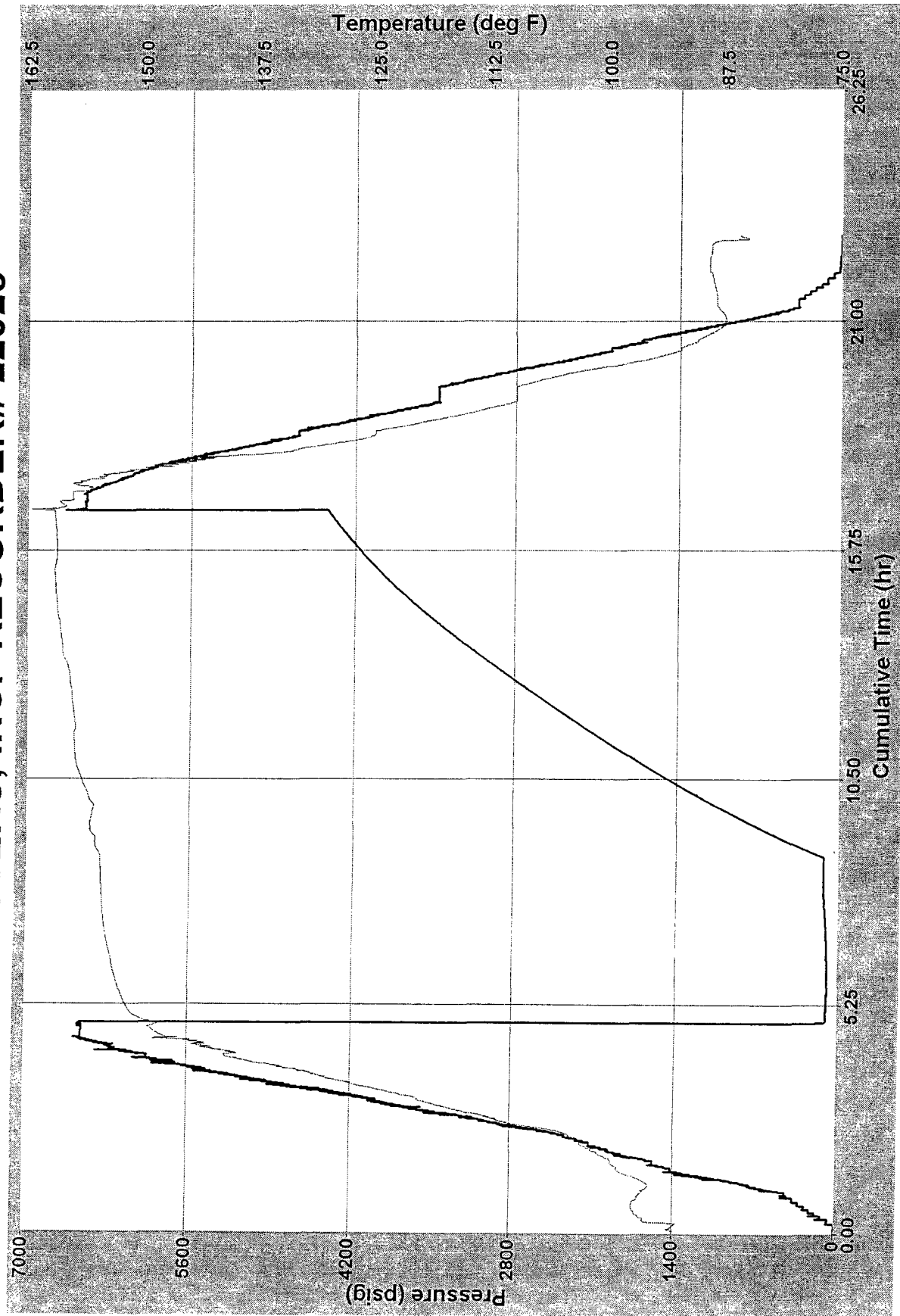


Company Name
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MEWBOURNE OIL CO.
GERONIMO "23" COM. #1
DST #1 (11772-11950 FT.; MIDDLE MORROW)
8-5-06



RIG TESTERS, INC. RECORDER# 22028



CAPROCK LABORATORIES, INC.
3312 BANKHEAD HIGHWAY
MIDLAND, TEXAS 79701

CHROMATOGRAPHIC ANALYSIS

COMPANY:	RIG TESTERS	JOB #:	0608025
SAMPLE ID:	GERONIMO 23 FED COM	SAMPLE #:	D0508RIG1
SAMPLE TYPE:	SPOT	DATE ON:	20060806
STATION:	MEWBOURNE OIL CO.	DATE OFF:	20060806
BASE PRESSURE,PSIA:	14.650	TIME ON:	
RANAREX GRAVITY:		TIME OFF:	
SAMPLE PRESS.,psig:		SAMPLED BY:	CLIENT
GAS TEMP. F:		CYLINDER #:	000001
ANALYSIS DATE:	20060808	SAMPLE USE * :	A
ANALYSIS COMMENTS:	DST #1, 11772'-11950' MIDDLE MORROW FORMATION		

COMPONENT	MOLE %	GPM
HYDROGEN SULFIDE	0.0000	
NITROGEN	0.6351	
OXYGEN	0.0000	
METHANE	85.9859	
CARBON DIOXIDE	0.0734	
ETHANE	7.6561	2.0364
PROPANE	3.2644	0.8945
ISO-BUTANE	0.3878	0.1262
N-BUTANE	0.9497	0.2978
ISO-PENTANE	0.2528	0.0920
N-PENTANE	0.2673	0.0963
HEXANES	0.2163	0.0885
HEPTANES +	0.3112	0.1428
TOTAL	100.0000	3.7744

HEATING VALUE

BTU DRY	1173.9
BTU SATURATED	1153.5

COMPRESSIBILITY, Z	0.9970
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RELATIVE DENSITY	0.6697
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AVE. MOLE WEIGHT	19.3975
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H2S, TUTWEILER, GR./100 CUBIC FEET	0.0
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26 # GASOLINE	2.3684
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BASE CONDITIONS, 14.65 PSIA @ 60 DEGREES FAHRENHEIT

* A = ACCOUNTABLE, O = OPERATIONAL

MEWBOURNE OIL CO.

GERONIMO "23" FED. COM # 1
D.S.T. NO. : 1

INCREMENTAL PRESSURE DATA

RECORDER NO : 22027

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 11787 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNOR) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST FLOW					
.0	.0			109.00	.00
20.0	20.0			101.93	-7.07
40.0	40.0			98.11	-10.89
60.0	60.0			97.00	-12.00
80.0	80.0			96.79	-12.21
100.0	100.0			101.60	-7.40
120.0	120.0			106.60	-2.40
140.0	140.0			114.30	5.30
160.0	160.0			124.88	15.88
180.0	180.0			132.80	23.80
200.0	200.0			134.63	25.63
220.0	220.0			136.38	27.38
230.3	230.3			135.40	26.40
FIRST SHUT-IN					
230.3	230.3	.00	.000	135.40	.00
232.3	230.3	2.00	116.140	166.03	30.63
234.3	230.3	4.00	58.570	197.63	62.23
236.3	230.3	6.00	39.380	227.70	92.30
238.3	230.3	8.00	29.785	258.30	122.90
240.3	230.3	10.00	24.028	288.53	153.13
242.3	230.3	12.00	20.190	317.70	182.30
244.3	230.3	14.00	17.449	347.53	212.13
246.3	230.3	16.00	15.393	377.10	241.70
248.3	230.3	18.00	13.793	405.40	270.00
250.3	230.3	20.00	12.514	434.39	298.99
253.3	230.3	23.00	11.012	476.89	341.49
256.3	230.3	26.00	9.857	518.99	383.59
259.3	230.3	29.00	8.941	560.68	425.28
265.3	230.3	35.00	7.579	642.48	507.08
270.3	230.3	40.00	6.757	709.53	574.13
280.3	230.3	50.00	5.606	839.27	703.87
290.3	230.3	60.00	4.838	965.10	829.70
300.3	230.3	70.00	4.290	1087.72	952.32
310.3	230.3	80.00	3.879	1206.06	1070.66
320.3	230.3	90.00	3.559	1321.50	1186.10
330.3	230.3	100.00	3.303	1435.07	1299.67
340.3	230.3	110.00	3.093	1545.53	1410.13
350.3	230.3	120.00	2.919	1653.80	1518.40

INCREMENTAL PRESSURE DATA

RECORDER NO : 22027

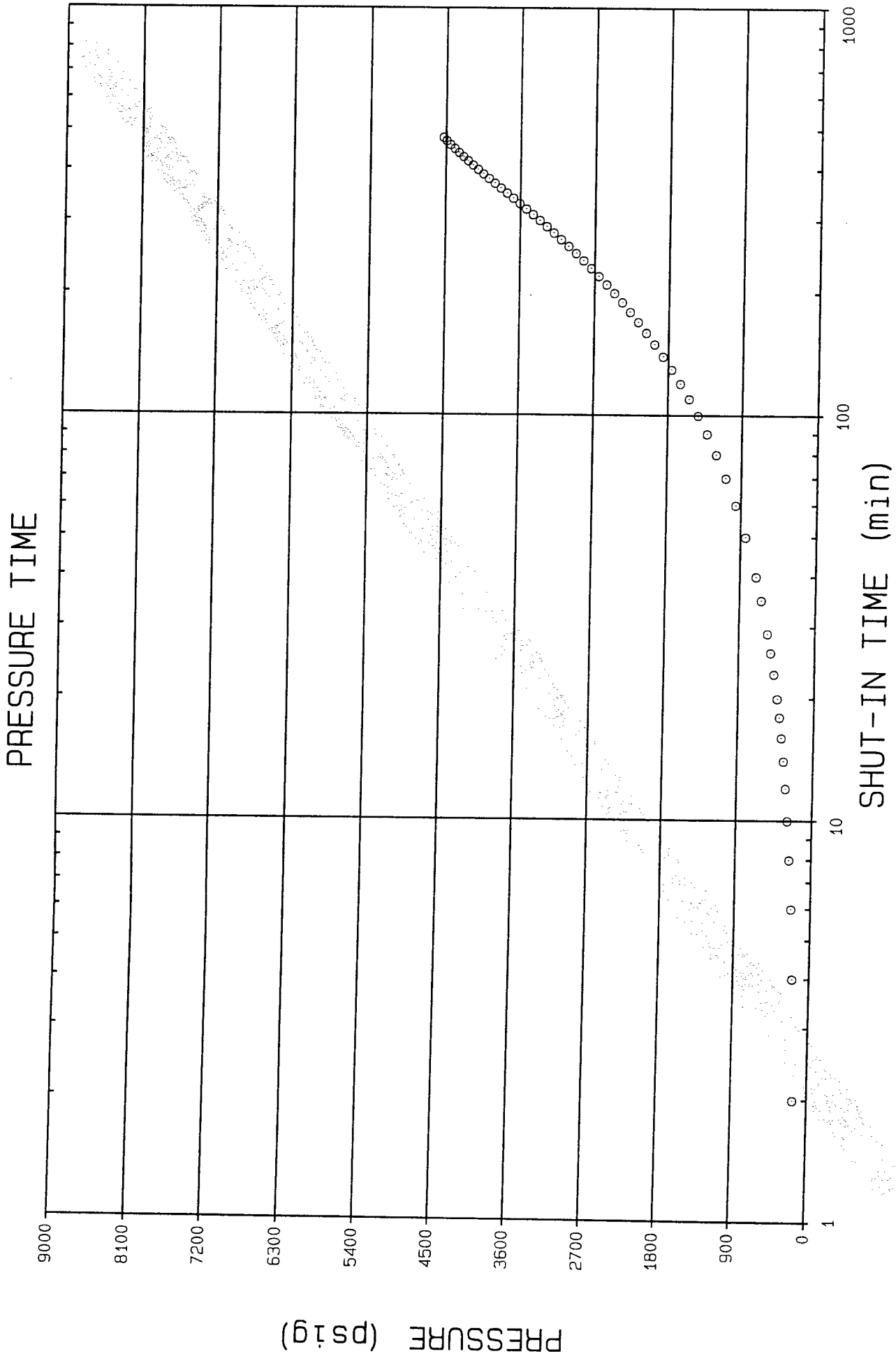
RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 11787 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			
360.3	230.3	130.00	2.771	1760.43	1625.03
370.3	230.3	140.00	2.645	1864.42	1729.02
380.3	230.3	150.00	2.535	1966.90	1831.50
390.3	230.3	160.00	2.439	2068.72	1933.32
400.3	230.3	170.00	2.355	2168.12	2032.72
410.3	230.3	180.00	2.279	2266.50	2131.10
420.3	230.3	190.00	2.212	2364.13	2228.73
430.3	230.3	200.00	2.151	2460.29	2324.89
440.3	230.3	210.00	2.097	2555.40	2420.00
450.3	230.3	220.00	2.047	2650.13	2514.73
460.3	230.3	230.00	2.001	2742.62	2607.22
470.3	230.3	240.00	1.960	2834.80	2699.40
480.3	230.3	250.00	1.921	2926.08	2790.68
490.3	230.3	260.00	1.886	3015.99	2880.59
500.3	230.3	270.00	1.853	3106.10	2970.70
510.3	230.3	280.00	1.822	3193.75	3058.35
520.3	230.3	290.00	1.794	3279.38	3143.98
530.3	230.3	300.00	1.768	3363.50	3228.10
540.3	230.3	310.00	1.743	3446.53	3311.13
550.3	230.3	320.00	1.720	3527.38	3391.98
560.3	230.3	330.00	1.698	3606.40	3471.00
570.3	230.3	340.00	1.677	3684.03	3548.63
580.3	230.3	350.00	1.658	3759.08	3623.68
590.3	230.3	360.00	1.640	3832.50	3697.10
600.3	230.3	370.00	1.622	3903.72	3768.32
610.3	230.3	380.00	1.606	3972.64	3837.24
620.3	230.3	390.00	1.590	4039.30	3903.90
630.3	230.3	400.00	1.576	4104.00	3968.60
640.3	230.3	410.00	1.562	4166.33	4030.93
650.3	230.3	420.00	1.548	4226.10	4090.70
660.3	230.3	430.00	1.536	4284.03	4148.63
670.3	230.3	440.00	1.523	4339.23	4203.83
680.3	230.3	450.00	1.512	4392.40	4257.00
690.3	230.3	460.00	1.501	4443.68	4308.28
700.3	230.3	470.00	1.490	4492.40	4357.00
709.3	230.3	478.98	1.481	4528.60	4393.20

REMARKS

THE INCREMENTAL DATA, CHART AND ANALYSIS ARE FROM THE ELECTRONIC RECORDER
PLEASE REFER TO DERIVATIVE DIAGNOSTICS ANALYSIS FOR FURTHER INFORMATION
(PRESSURE ASCII FILE IS AVAILABLE ON DISKETTE UPON REQUEST)



NEWBOURNE OIL CO.

GERONIMO "23" FED. COM # 1

○ FIRST SHUT-IN



Well Test Report

RigTesters, Inc.
ABILENE - MIDLAND - GRAHAM

MEWBOURNE OIL CO. GERONIMO "23" FED. COM. #1

Well identification

Well ID	GERONIMO "23" #1	Well location	SE LOCO HILLS
County/District	EDDY	State, Country	NEW MEXICO
Company	MEWBOURNE OIL	Division	HOBBS

Fluid properties

Prod/Inj fluid	OIL	GOR	500:1
Water cut	0%	Condensate yield	UNKNOWN
API gravity	42.0	Gas spec. grav.	0.7
Viscosity	0.6624 cp	Pseudo-critical T	382.97 deg R
Pseudo-critical P	664.37 psia	H2S mole fraction	UNKNOWN
CO2 mole fraction	UNKNOWN	N2 mole fraction	UNKNOWN
Compressibility(t)	10.529 e-6/psi	Formation vol factor	1.2877 RB/STB

Reservoir properties

Porosity	0.12 frac	Formation thickness	12 ft
Wellbore radius	0.36458 ft	Prod-observer distance	N/A
Water-Oil Contact	UNKNOWN	Gas-Oil Contact	N/A
Gas-Water Contact	N/A	Rock compressibility	
Reservoir temperature	179 deg F	Pressure for properties	4903.2 psia

Comments

THE DERIVATIVE INDICATES DOMINATION OF WELLBORE STORAGE EFFECT ON THE SHUT-IN PERIOD. ANY CALCULATIONS (EXTRAPOLATION, PERMEABILITY & SKIN) UNDER THIS CONDITION IS AMBIGUOUS AND UNRELIABLE. THE FIXED PARAMETERS USED WERE AN EST. 12% POROSITY, 12 FT. OF NET PAY REPORTED & AN AVERAGE (TIME WEIGHTED) PRODUCTION OF 2.90 BBLs. OF FLUID FOR THE FLOW PERIOD. THE RATES WERE BASED ON DENSITY OF FLUID RECOVERED VS. FLOWING PRESSURES. * THE OVERALL TEST DATA INDICATES A RESERVOIR WITH MODERATELY LOW POROSITY ASSOCIATED WITH VERY LOW PERMEABILITY.

MEWBOURNE OIL CO. GERONIMO "23" FED. COM. #1

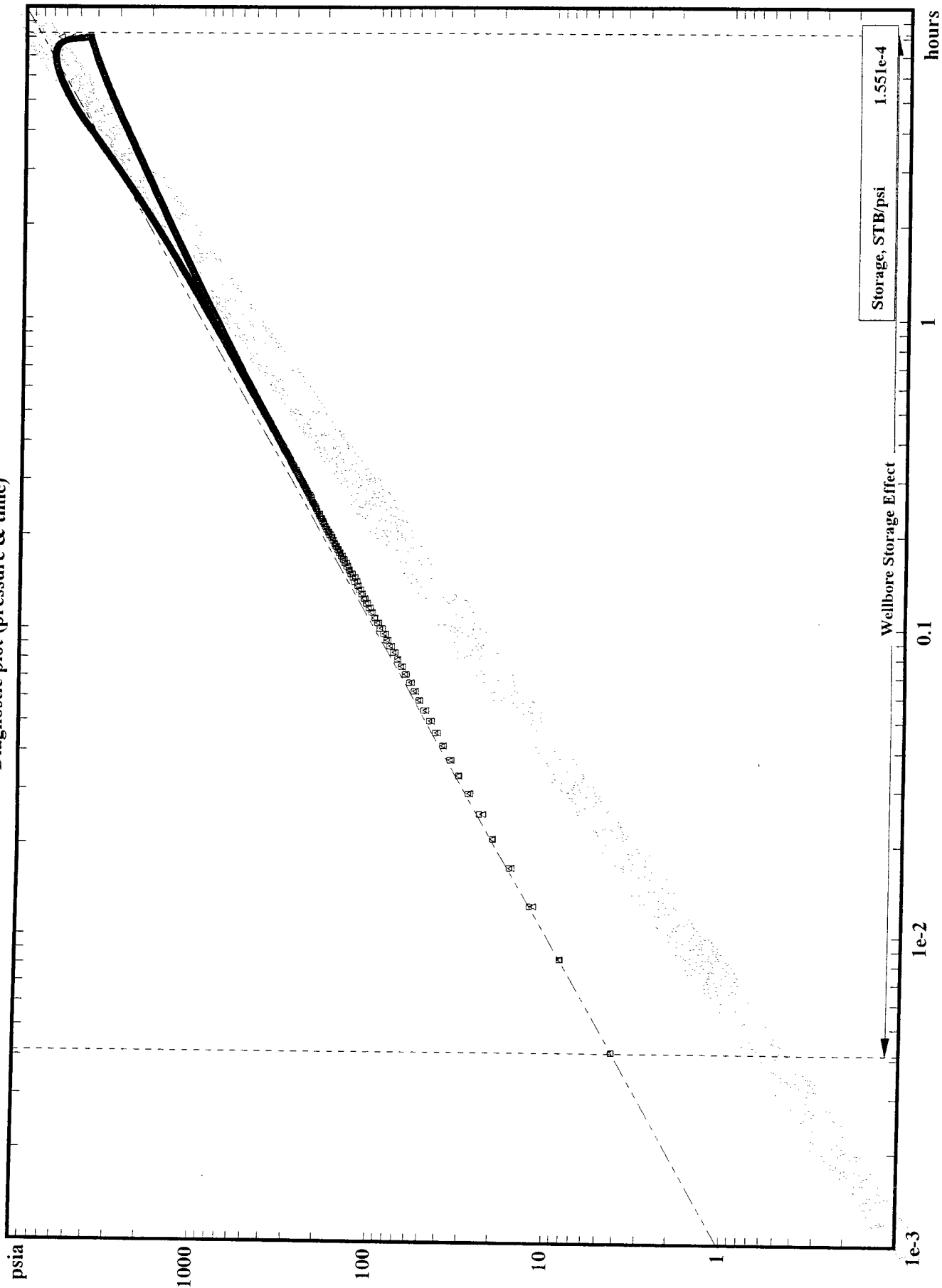
Pressure and flow rate vs time during test sequence



DST #1 11772 - 11950 FT.; MIDDLE MORROW

MEWBOURNE OIL CO. GERONIMO "23" FED. COM. #1

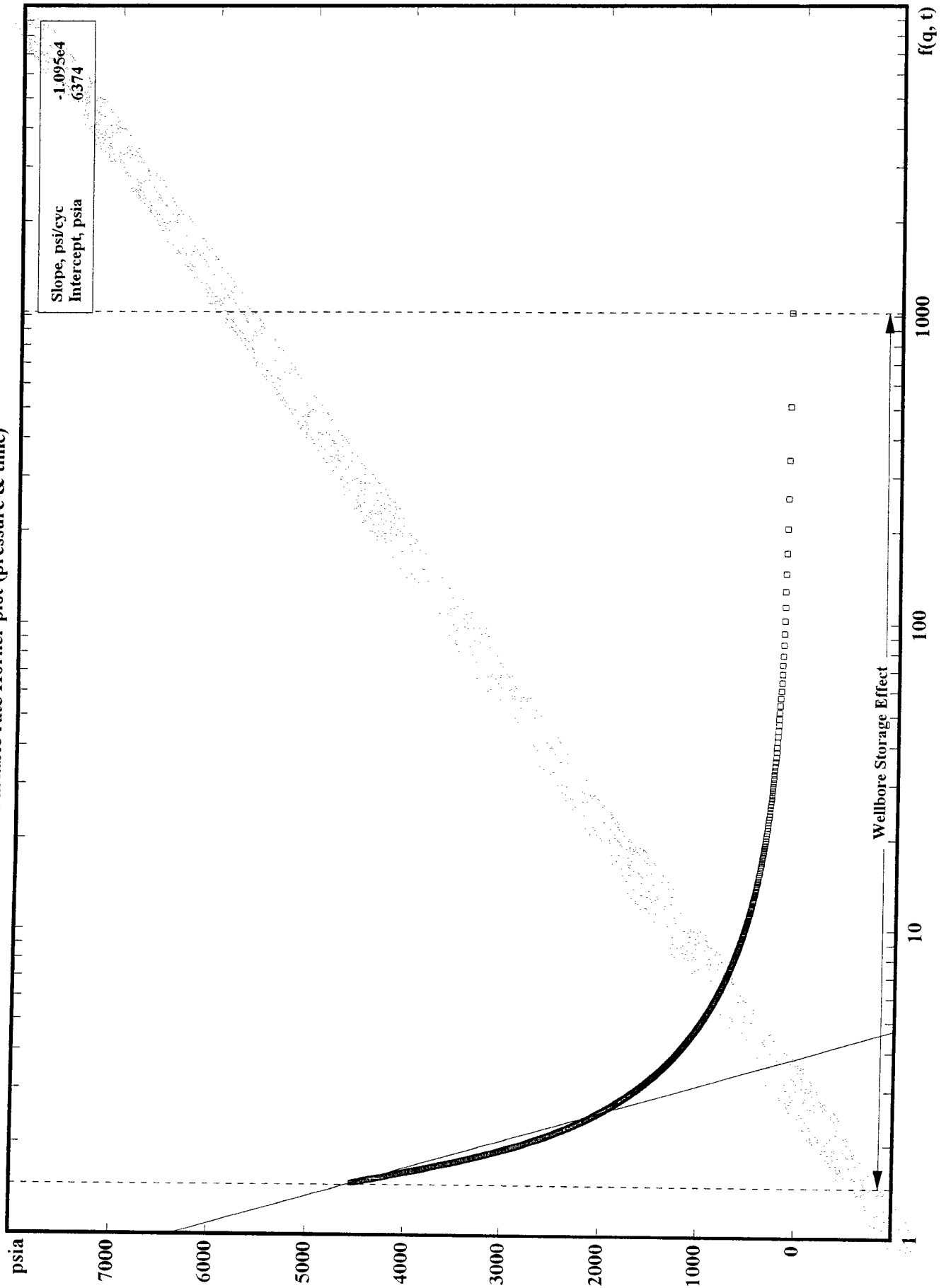
Diagnostic plot (pressure & time)



SHUT-IN PERIOD DST#1

MEWBOURNE OIL CO. GERONIMO "23" FED. COM. #1

Variable rate Horner plot (pressure & time)



SHUT-IN PERIOD DST#1

MEWBOURNE OIL CO. GERONIMO "23" FED. COM. #1

Cartesian plot (pressure & time)

