

Complete Field Service and Chart Evaluation

FORMATION TESTING SERVICES INC

FORMATION TEST REPORT

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HENDERSON NO1

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FORMATION TESTING SE
DRILL-STEM TEST

COMPANY - LG STEPHENSON
WELL - HENDERSON NO1
COUNTY - ELLSWORTH
STATE - KANSAS

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WELL - HENDERSON NO
COUNTY - ELLSWORTH
STATE - KANSAS
LOCATION - SW-SW-NE
SEC:24 TYP:15S

PERMANENT DATUM:GL
ELEV OF PERM DATUM:1549
INTERVALS TESTED
MEASURED FROM:KB

TOTAL DST'S:4	D.S.T.#3	D.S.T.#4	
DATE	7/20/80	7/21/80	
ZONE TESTED	LKC 80	LKC 90	
INTERVAL	2650-2680	2680-2705	
ANCHOR LENGTH	30 FT	25 FT	
INITIAL HYDRO.	1532 PSI	1523 PSI	
INIT. FLOW PRESS.	32-75 PSI	86-161 PSI	
INIT. SHUT-IN	1053 PSI	1010 PSI	
FINAL FLOW PRESS.	107-150 PSI	193-289 PSI	
FINAL SHUT-IN	1032 PSI	967 PSI	
FINAL HYDRO.	1502 PSI	1502 PSI	
TOTAL FLUID REC.	278 FT	540 FT	
GAS	2.723 BBL	38.135 BBL	
OIL	1.45 BBL	2.238 BBL	
WATER	.289 BBL	3.263 BBL	
MUD	2.998 BBL	2.051 BBL	
TOTAL FLUID REC.	3.431 BBL	7.552 BBL	

PRICES, INC.
REPORT

STEPEHNSON

RGE:9W

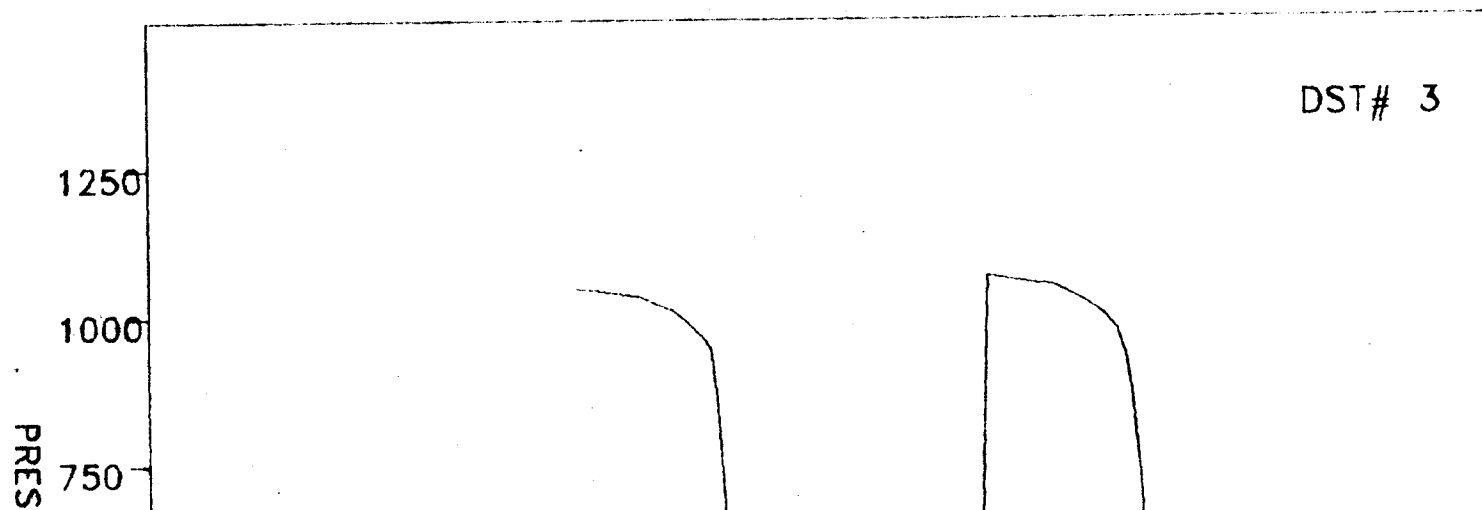
ELEVATIONS

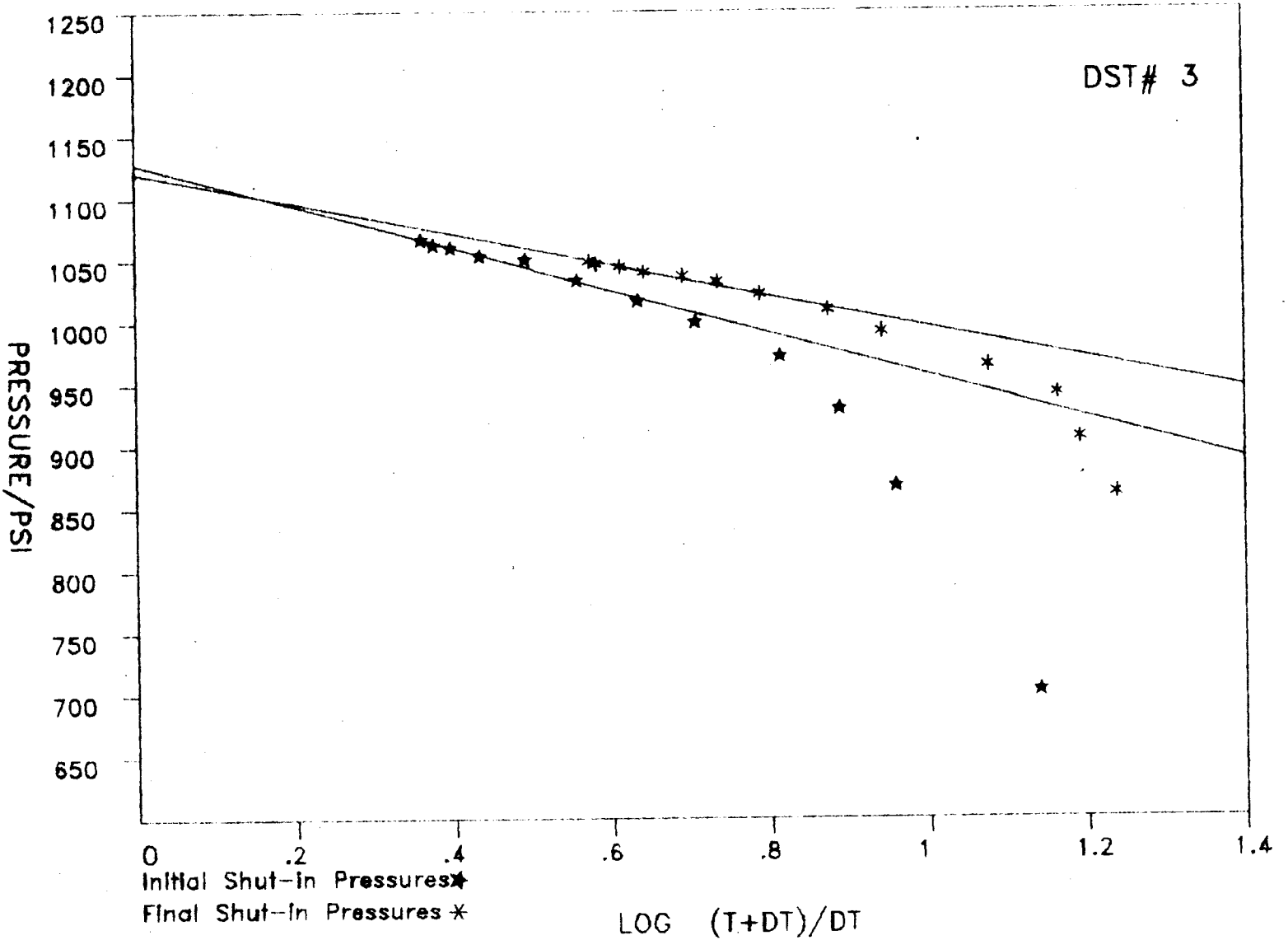
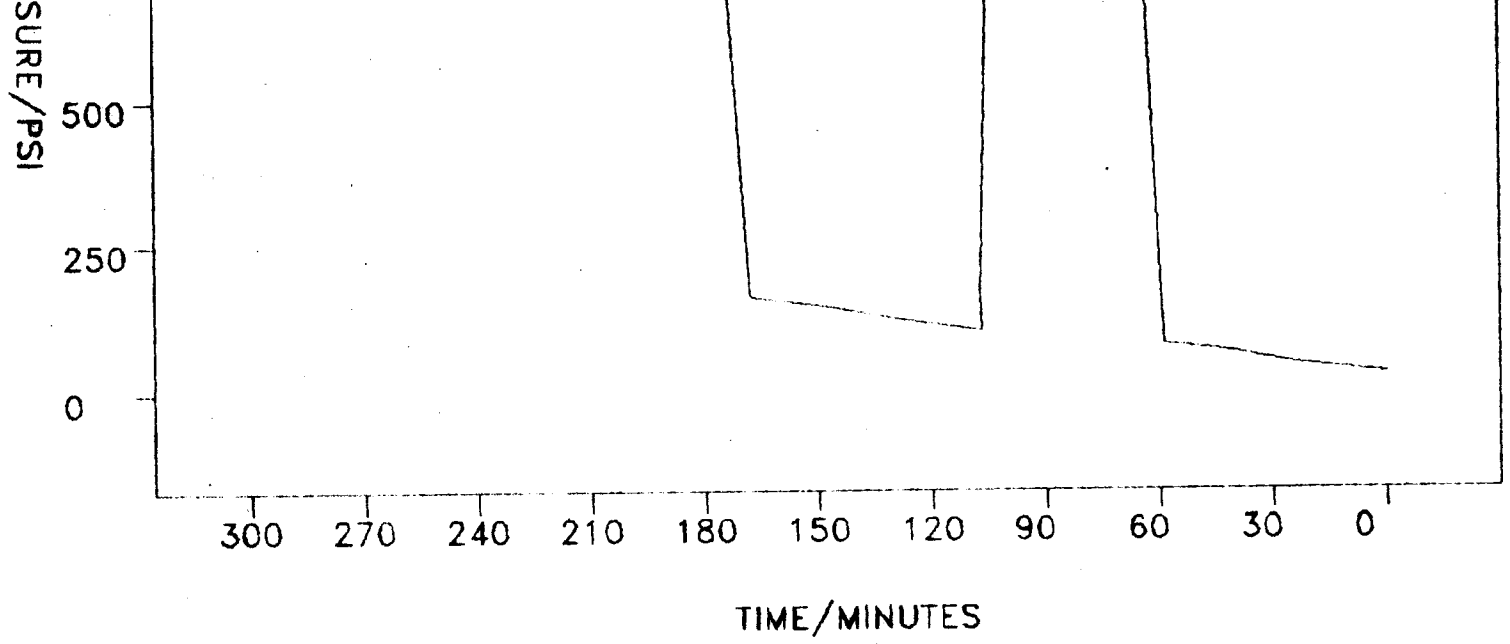
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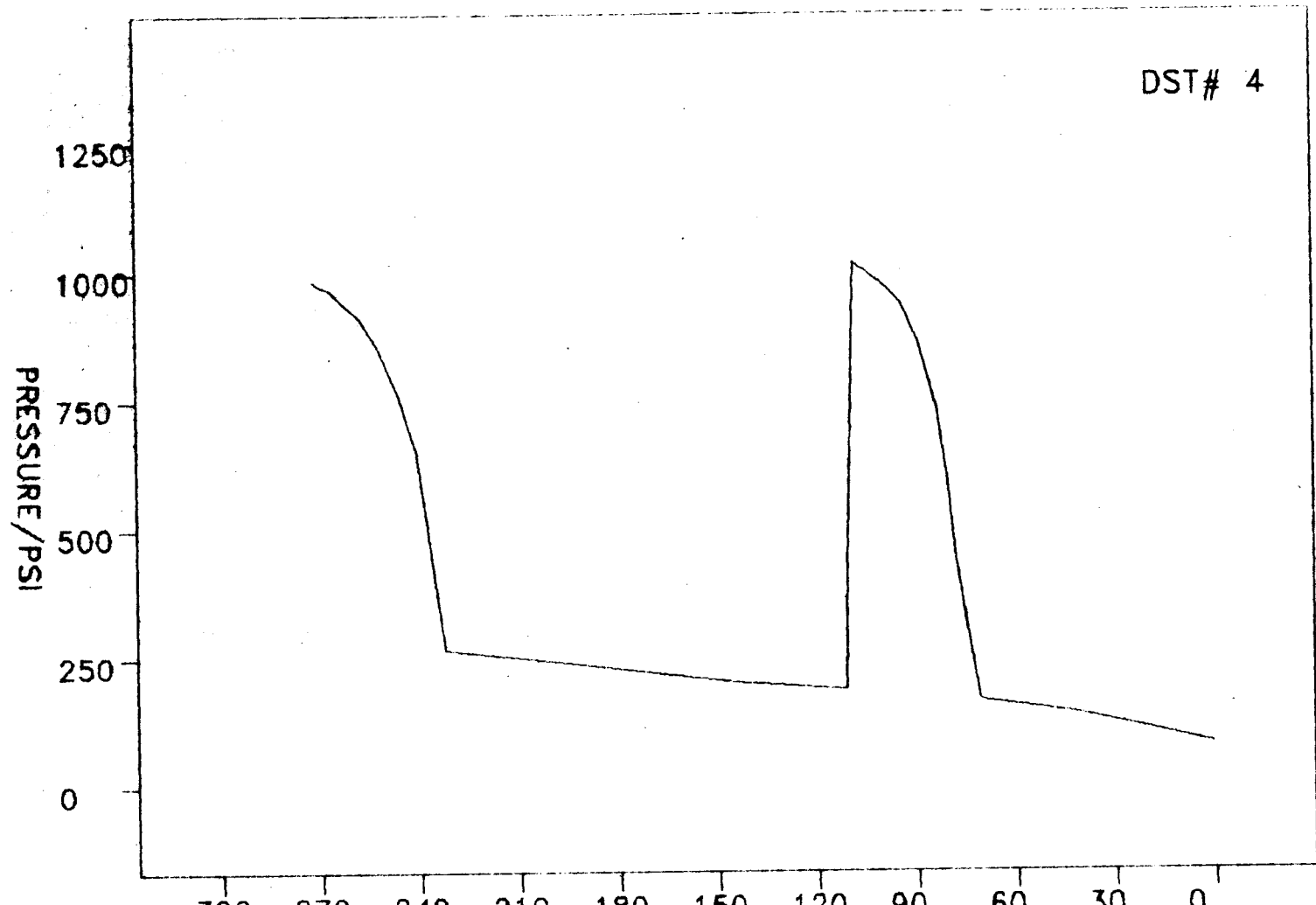
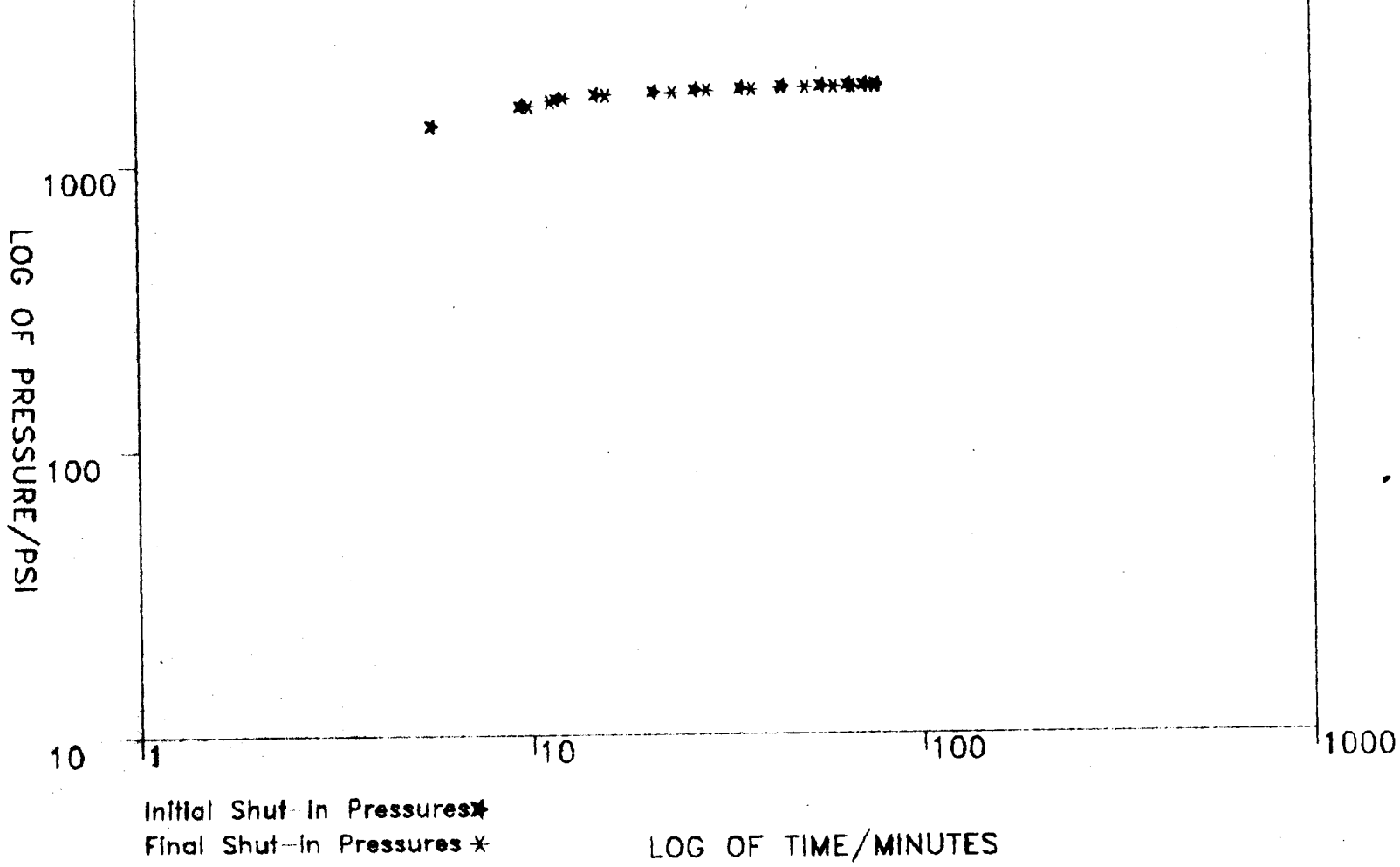
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	D.S.T.#3		D.S.T.#4	
HOLE SIZE	7.875	IN	7.875	IN
ZONE POROSITY	26	%	28	%
EFF. FT. OF PAY	7	FT	10	FT
FLOW RATE GAS	NTS	MCFD	NTS	MCFD
GRAVITY A.P.I.	35(Default)	API	35(Default)	API
CHLORIDES-MUD	NA	PPM	NA	PPM
CHLORIDES-REC. FLUID		PPM	NA	PPM
FORMATION TEMP.	112	F	112	F
PIPE CAP.	.0155	BBL/FT	.0155	BBL/FT
WEIGHT PIPE CAP.	0	BBL/FT	0	BBL/FT
COLLAR CAP.	0	BBL/FT	0	BBL/FT
EXTRA EQUIPMENT				
Internal Recorder #	NA		NA	
External Recorder #	NA		NA	
TIME PERIODS-MINUTES	60-45-60-45		60-45-120-45	
TESTER	SUN		SUN	
CO. REP.	STEPEHNSON		STEPEHNSON	
AVG. GAS FLOW	NTS		NTS	

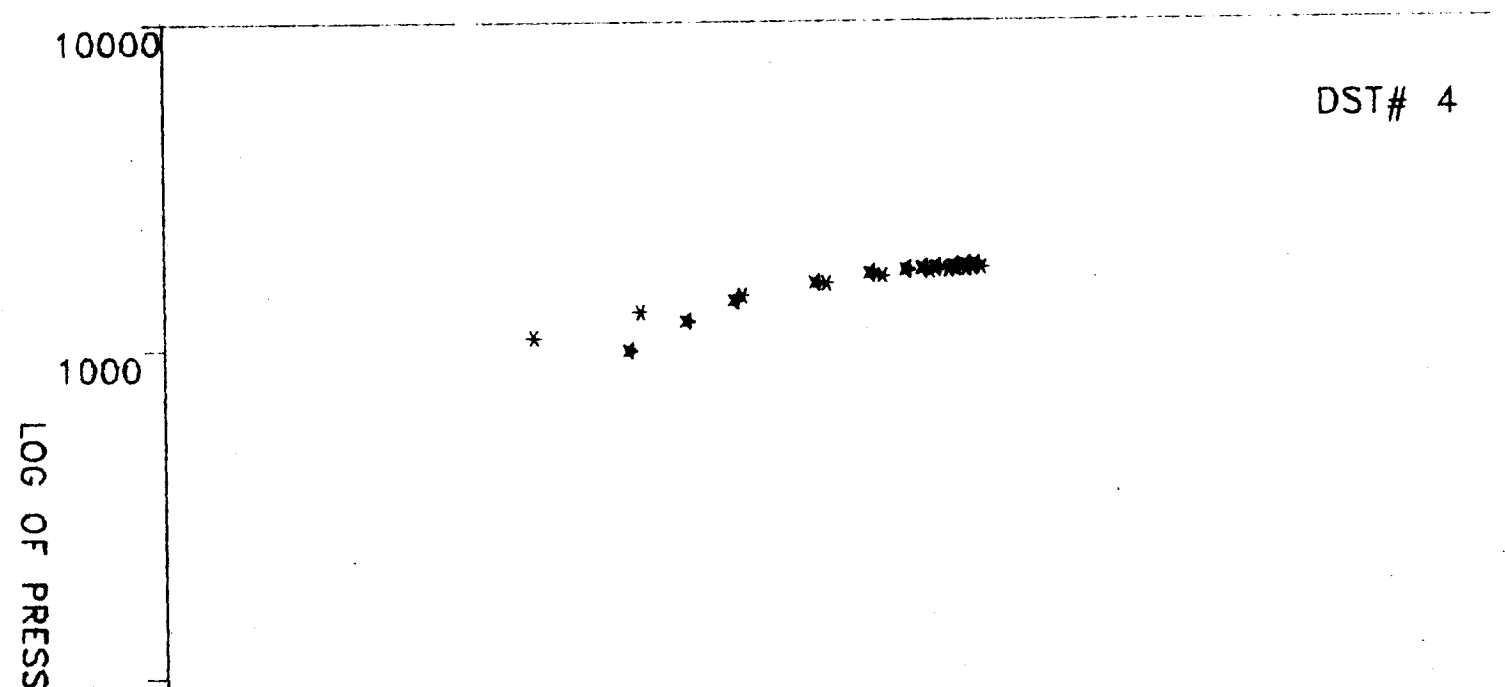
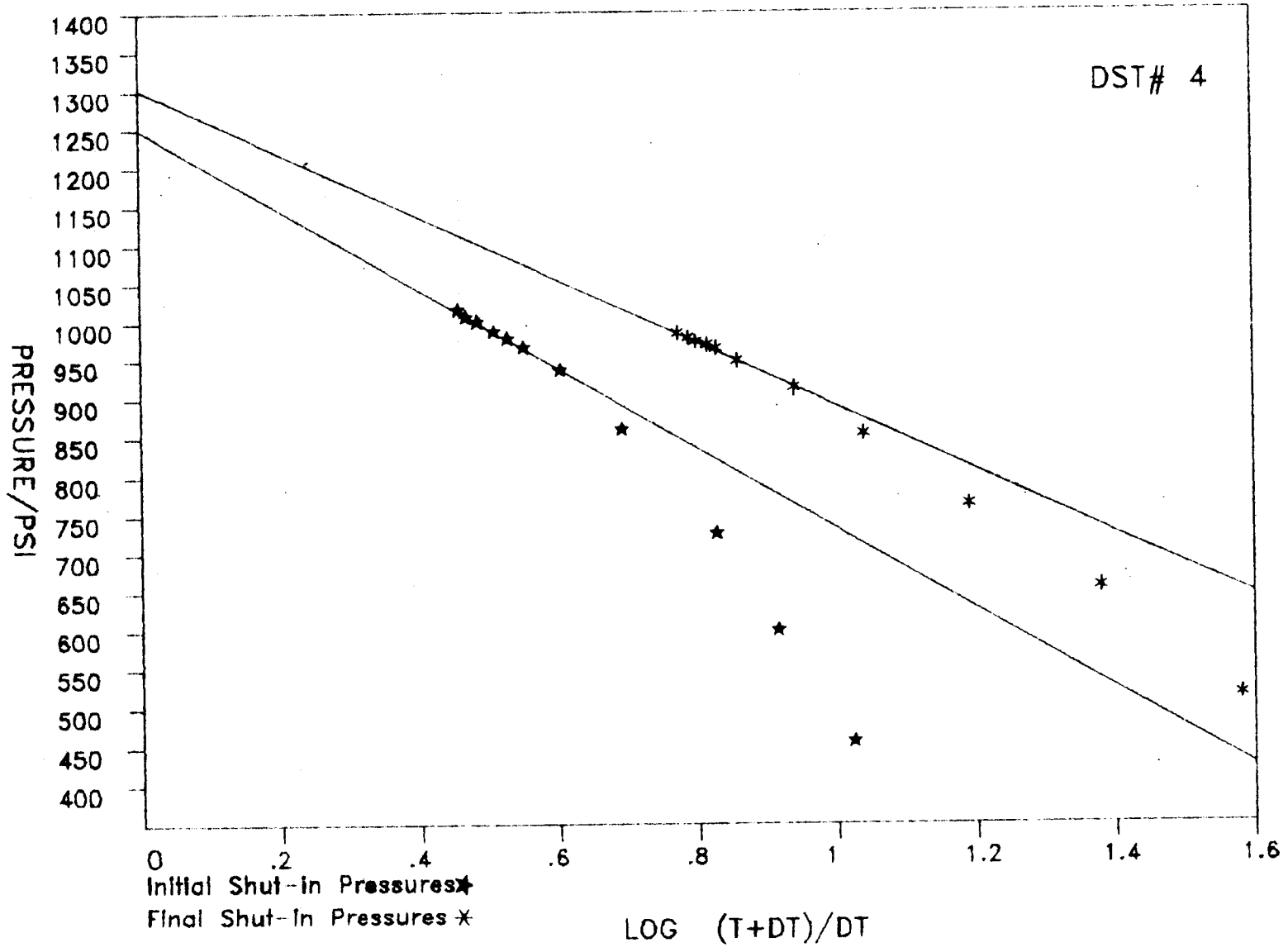






300 270 240 210 180 150 120 90 60 30 0

TIME/MINUTES



100
URE/PSI

10

1

10

100

1000

Initial Shut-In Pressures*

Final Shut-In Pressures *

LOG OF TIME/MINUTES

CALCULATIONS			
	D.S.T.# 3	D.S.T.# 4	
GAS/OIL RATIO	240.446 CU FT/BDL	230.678 CU FT/BDL	
FORMATION VOLUME FACTOR	1.125	1.12	
VIS OF FLUID (RESERVOIR)	2.055 CP	2.154 CP	
BUBBLE POINT	1120.375 PSI	1081.908 PSI	
EXTRAP. PRES. (1st Shut-In)	1128.137 PSI	1250.367 PSI	
EXTRAP. PRES. (2nd Shut-In)	1120.663 PSI	1301.74 PSI	
SLOPE OF 2nd SHUT-IN CURVE	124.578 PSI/LC	409.935 PSI/LC	
TRANSMISSIBILITY (LIQUID)	16.742 md-ft/ep	6.802 md-ft/ep	
FLOW CAPACITY	34.409 md-ft	14.652 md-ft	
PRODUCTIVITY INDEX	.003 BPD/PSI	.006 BPD/PSI	
POTENTIOMETRIC SURFACE	4152.818 ft ASL	4572.736 ft ASL	
PERMEABILITY	4.916 md	1.465 md	
RADIUS OF INVESTIGATION	33.326 FT	21.552 FT	
FLOW RATE (TOTAL FLUID)	34.135 BPD	37.629 BPD	
FLOW RATE (OIL)	11.404 BOPD	15.309 BOPD	
ESTIMATED DAMAGE RATIO	1.409	.462	
POTENTIAL/DAMAGE REMOVED	16.069 BOPD	15.309 BOPD	