

Complete Field Service and Chart Evaluation

# FORMATION TESTING SERVICES INC.

## FORMATION TEST REPORT

L.G. STEPHENSON  
A1 SHANELEC

P.O. Box 518  
Hays, Kans. 67601

Hays-Bus. (913) 628-1115  
Great Bend-Bus. (316) 792-6187

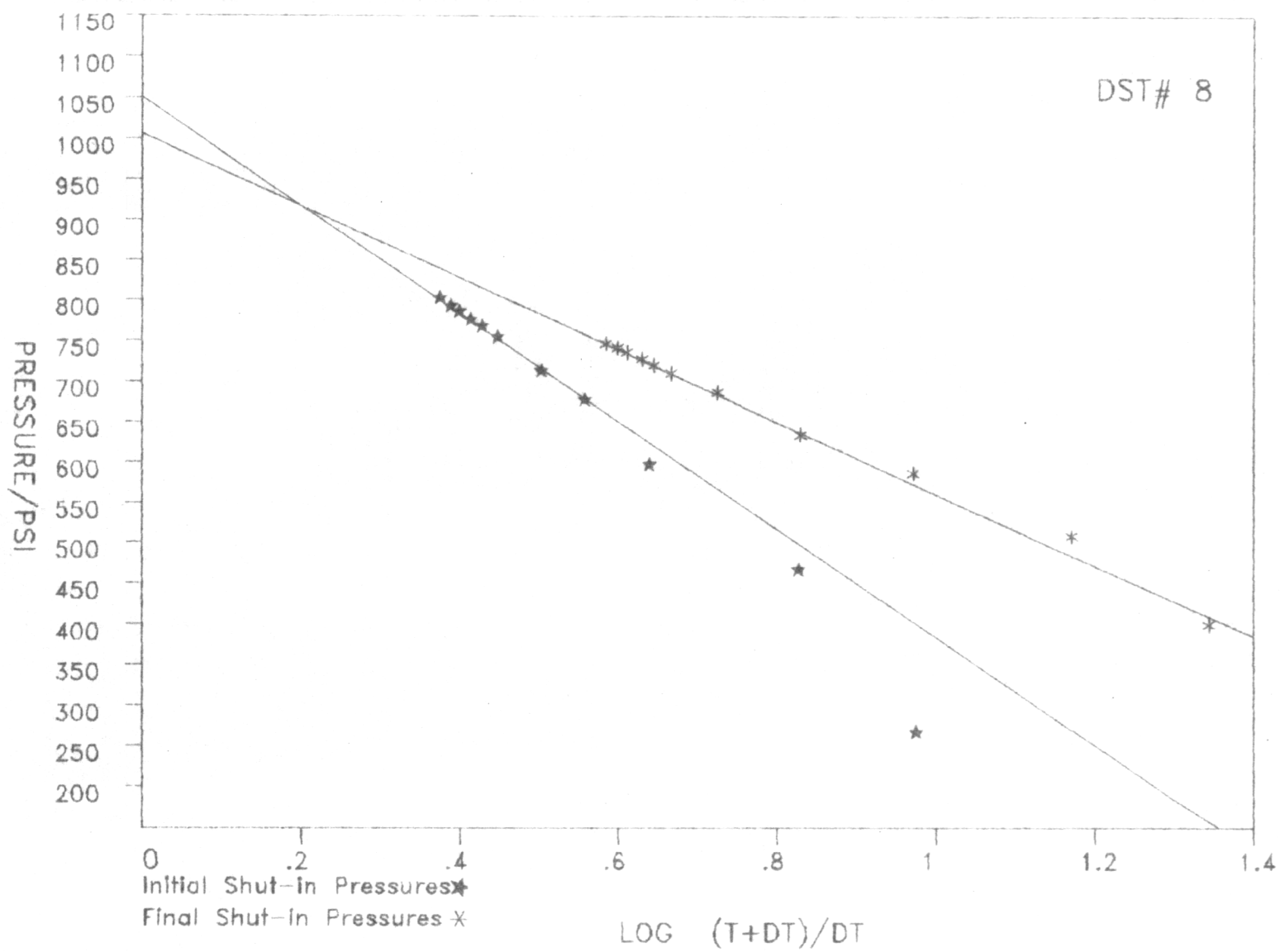
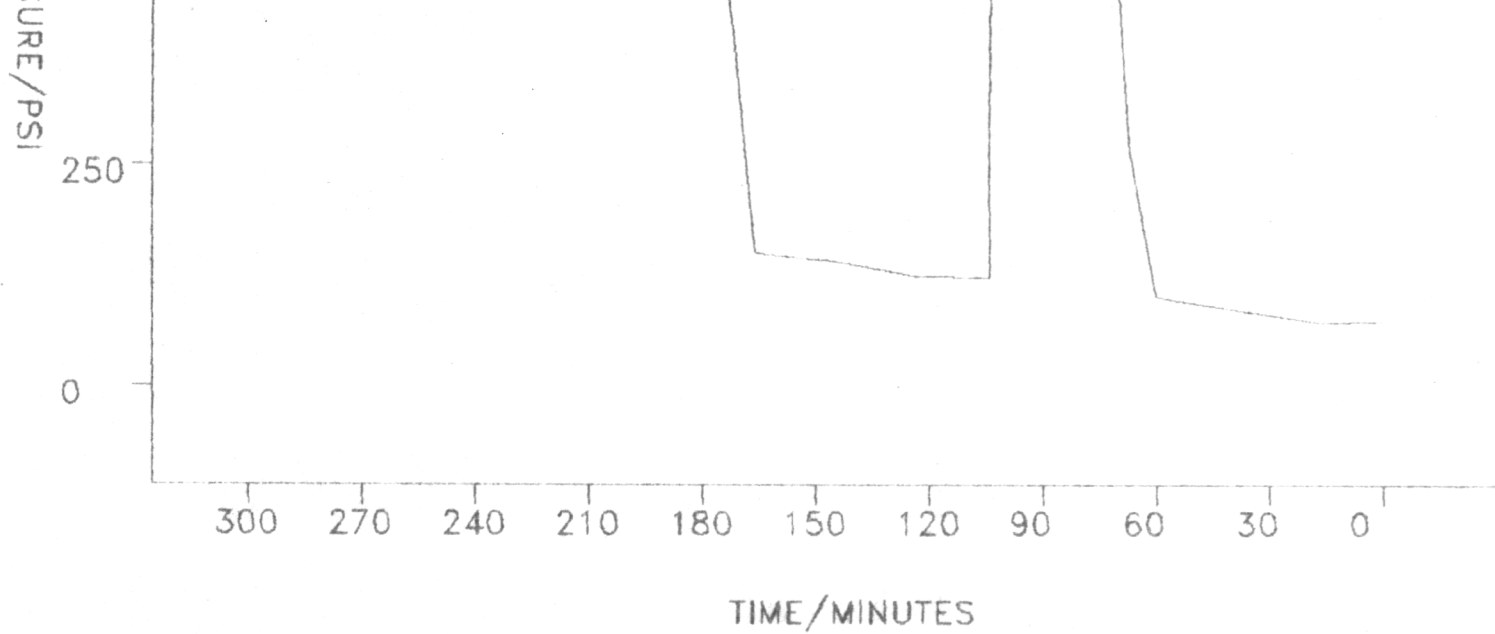
FORMATION TESTING SERVICE  
DRILL-STEM TEST

COMPANY- LG STEPHENSON  
WELL- A1 SHANELEC  
COUNTY- ELLSWORTH  
STATE- KANSAS

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WELL- A1 SHANELEC  
COUNTY- ELLSWORTH  
STATE- KANSAS  
LOCATION-  
SEC:25 TYP:25S  
PERMANENT DATUM:GL  
ELEV OF PERM DATUM:  
INTERVALS TESTED  
MEASURED FROM:KB

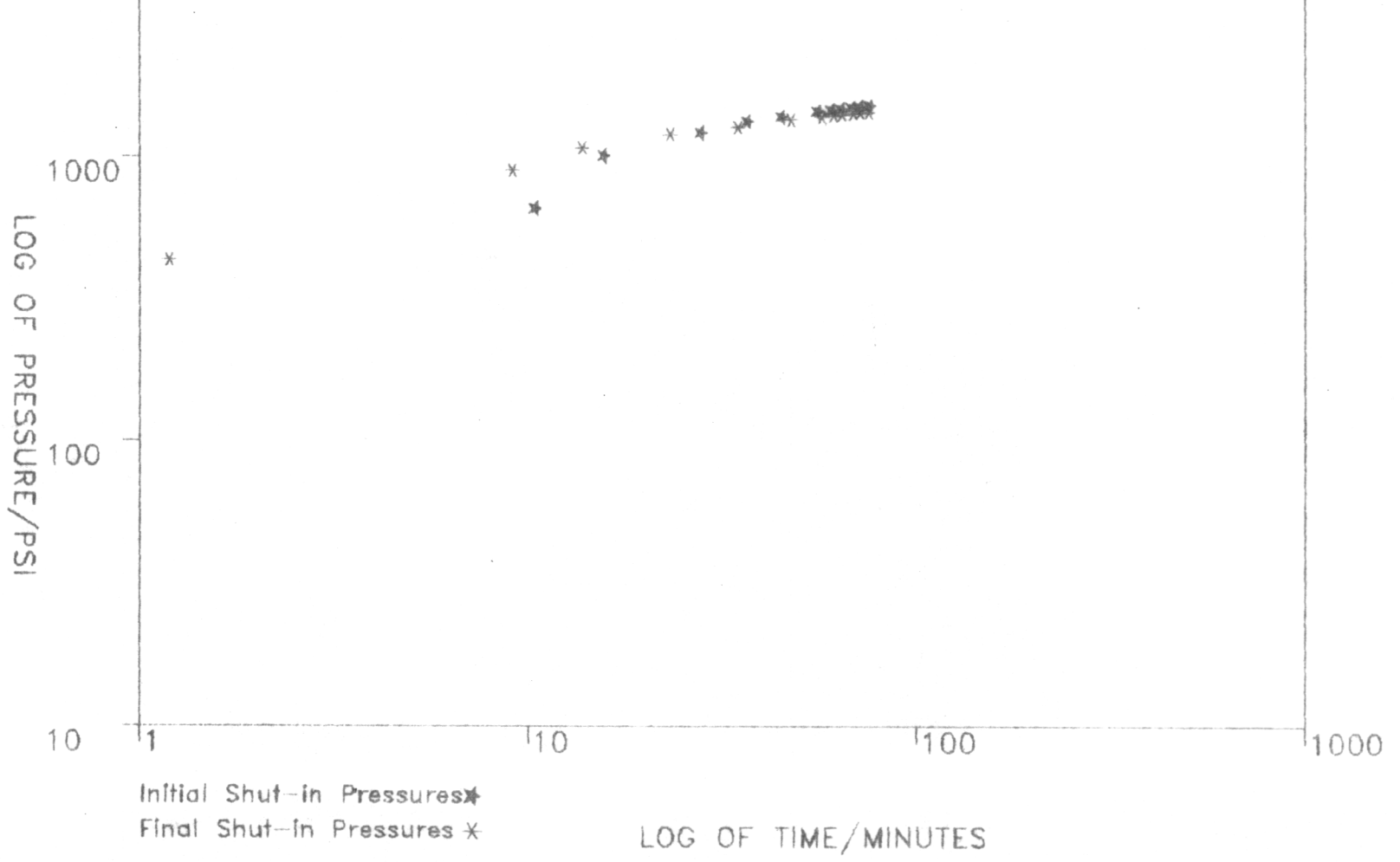
DATE	D.S.T.#8	D.S.T.#9
2/10/79	2/11/79	
ZONE TESTED	LKC 80	LKC 90
INTERVAL	2646-2690	2694-2706
ANCHOR LENGTH	44	12
INITIAL HYDRO.	1374	1395
INIT. FLOW PRESS.	52-84	42-42
INIT. SHUT-IN	793	711
FINAL FLOW PRESS.	105-127	63-63
FINAL SHUT-IN	745	702
FINAL HYDRO.	1353	1374
TOTAL FLUID REC.	270	180
GAS	4.009	14.312
OIL	.117	.793
WATER	.466	.093
MUD	2.867	1.585
TOTAL FLUID REC.	3.45	2.471



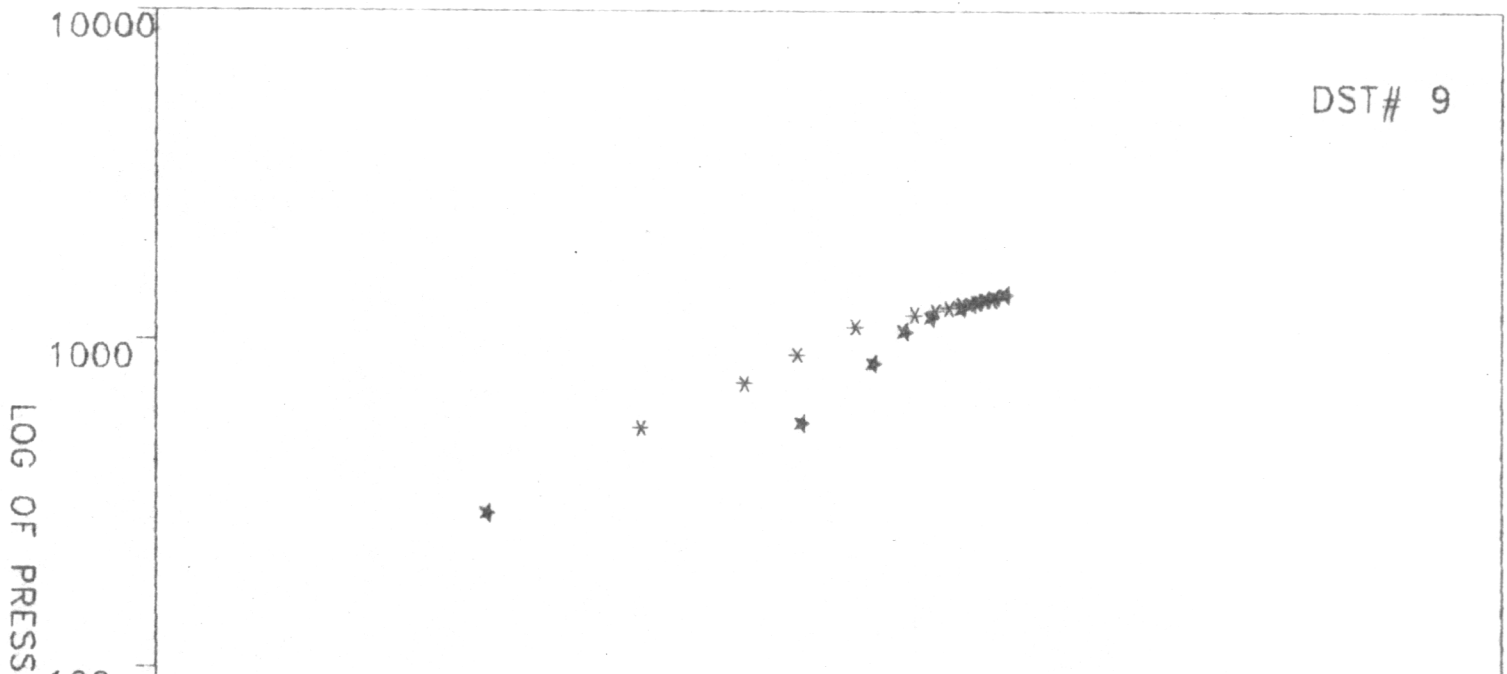
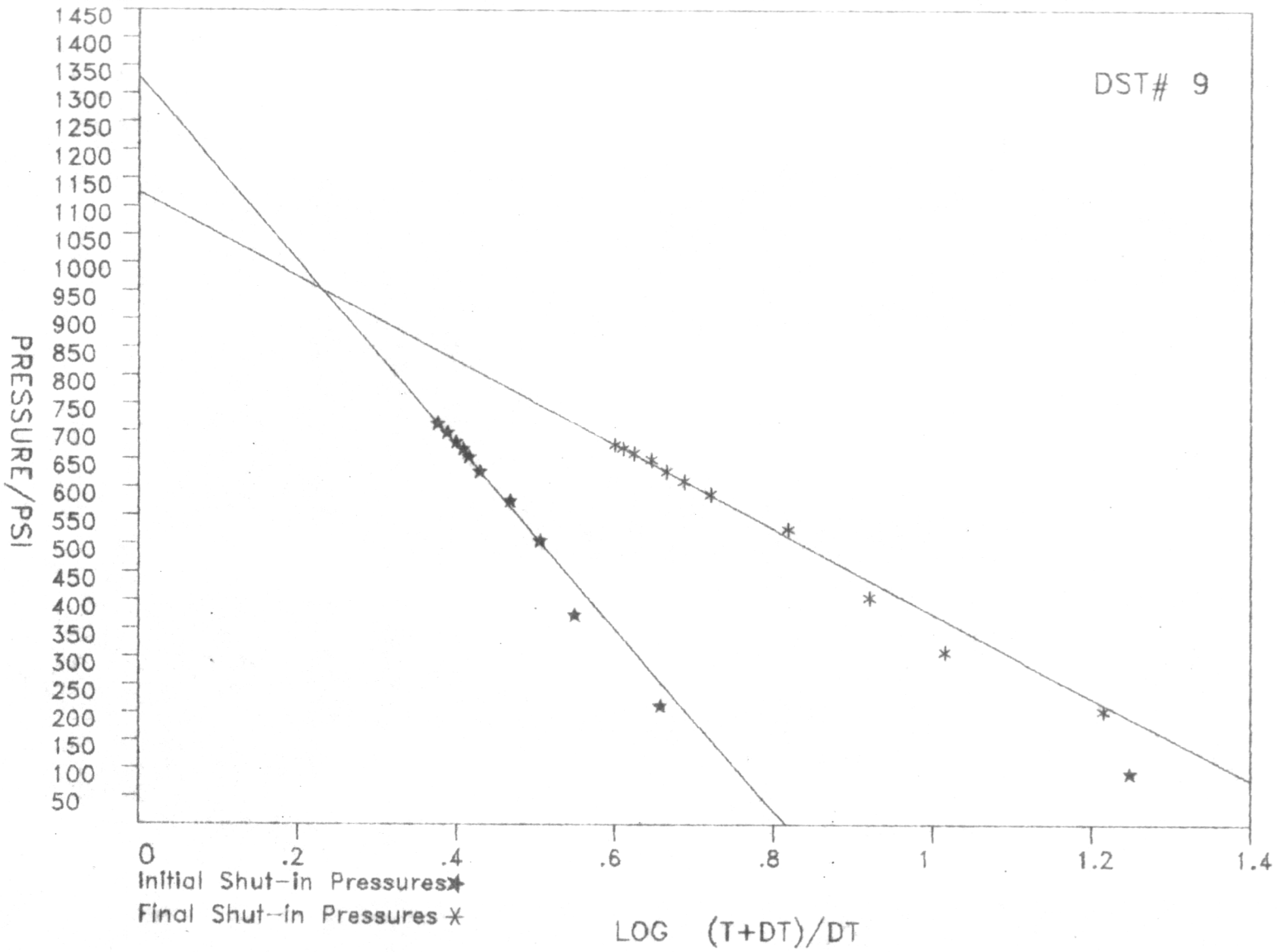


10000

DST# 8



TIME/MINUTES



100  
PRESSURE/PSI

10

1

10

100

1000

Initial Shut-in Pressures\*

Final Shut-in Pressures \*

LOG OF TIME/MINUTES

CALCULATIONS				
	D.S.T.# 8		D.S.T.# 9	
GAS/OIL RATIO	327.398	CU FT/BBL	236.339	CU FT/BBL
FORMATION VOLUME FACTOR	1.105		1.114	
VIS OF FLUID (RESERVOIR)	3.83	CP	2.888	CP
BUBBLE POINT	1370.219	PSI	1065.72	PSI
EXTRAP. PRES. (1st Shut-in)	1051.178	PSI	1330.232	PSI
EXTRAP. PRES. (2nd Shut-in)	1006.42	PSI	1126.021	PSI
SLOPE OF 2nd SHUT-IN CURVE	442.902	PSI/LC	747.938	PSI/LC
TRANSMISSIBILITY (LIQUID)	2.256	md-ft/ep	6.171	md-ft/ep
FLOW CAPACITY	8.640001	md-ft	17.821	md-ft
PRODUCTIVITY INDEX	.003	BPD/PSI	.002	BPD/PSI
POTENTIOMETRIC SURFACE	2333.887	ft ASL	2611.243	ft ASL
PERMEABILITY	2.16	md	1.485	md
RADIUS OF INVESTIGATION	21.178	FT	14.529	FT
FLOW RATE (TOTAL FLUID)	27.714	BPD	28.461	BPD
FLOW RATE (OIL)	5.562	BOPD	25.473	BOPD
ESTIMATED DAMAGE RATIO	.354		.256	
POTENTIAL/DAMAGE REMOVED	5.562	BOPD	25.473	BOPD