

Complete Field Service and Chart Evaluation

FORMATION TESTING SERVICES INC.

FORMATION TEST REPORT

SOURCE & JAY BOY OIL INC.
Gaeddert A-1

P.O. Box 514
Hays, Kansas 67601

Hays-Bus (913) 628-1115

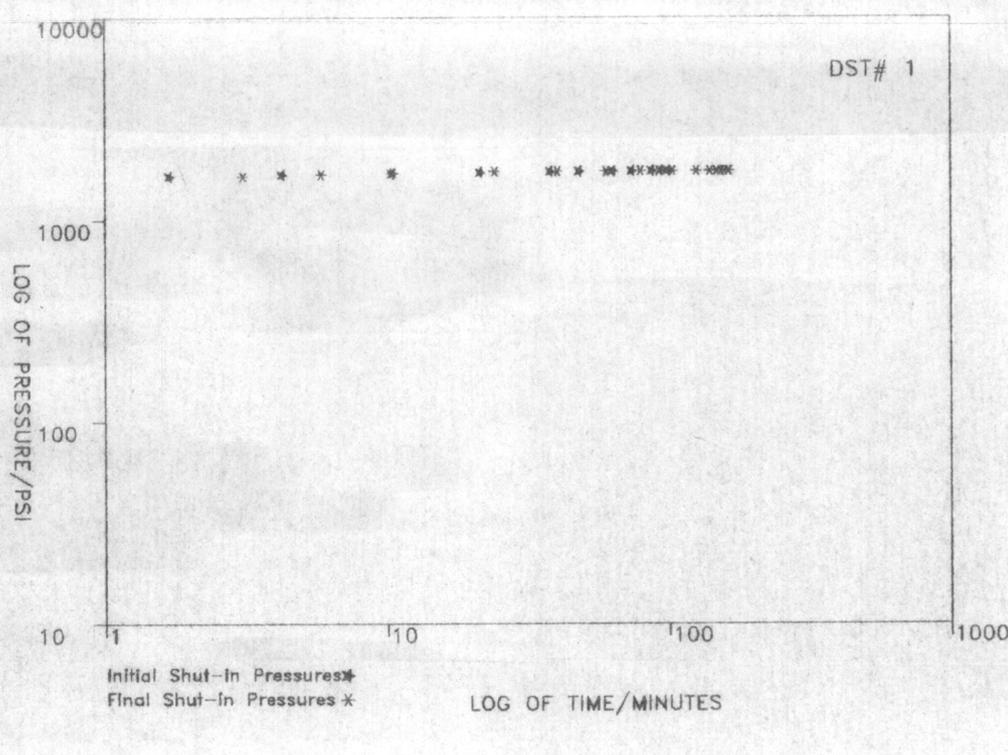
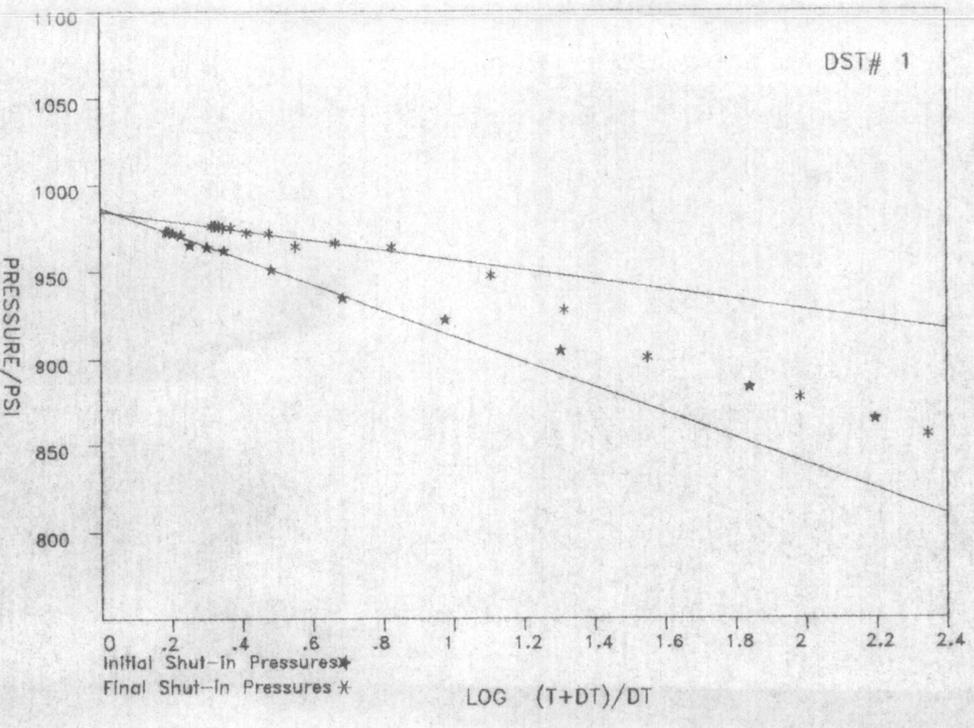
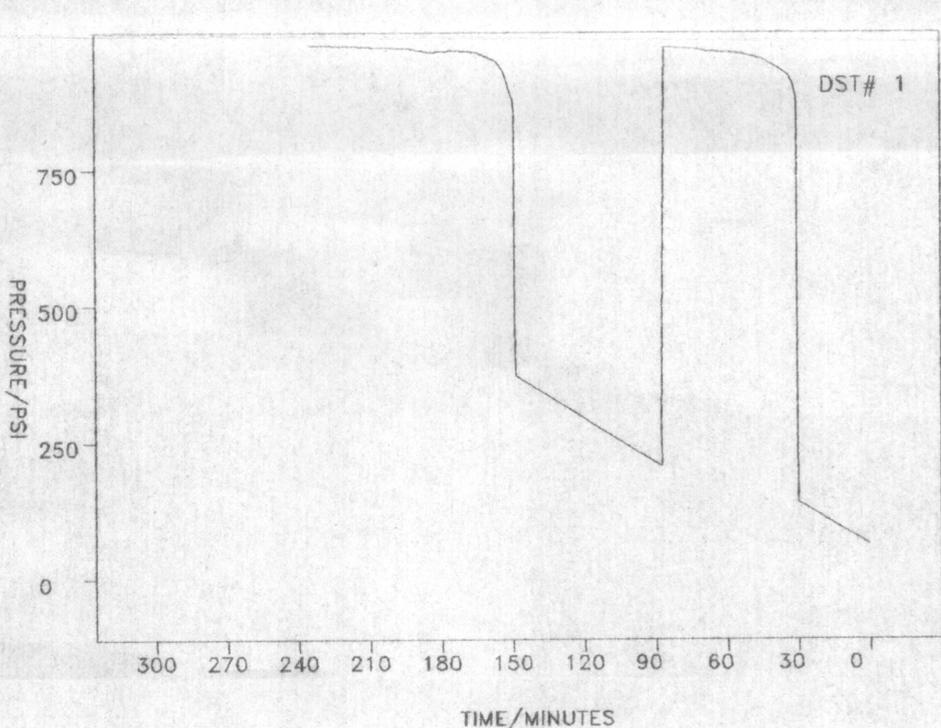
FORMATION TESTING SERVICES, INC.
DRILL-STEM TEST REPORT

COMPANY - SOURCE AND JA
WELL - GAEDDERT A-1
COUNTY - HARVEY
STATE - KANSAS

COMPANY - SOURCE AND JAY BOY
WELL - GAEDDERT A-1
COUNTY - HARVEY
STATE - KANSAS
LOCATION - C-S2-N2-NE
SEC: 21 TYP: 22S RGE: 3W

PERMANENT DATUM: GL
ELEVATIONS
ELEV OF PERM DATUM: KB: 1430
INTERVALS TESTED DF:
MEASURED FROM: KB GL:

DATE	D.S.T. #1	D.S.T. #	D.S.T. #	D.S.T. #
9/26/87				
ZONE TESTED	SIMPSON			
INTERVAL	3702-3732			
ANCHOR LENGTH	30	FT	FT	FT
INITIAL HYDRO.	1907	PSI	PSI	PSI
INIT. FLOW PRESS.	73-140	PSI	PSI	PSI
INIT. SHUT-IN	976	PSI	PSI	PSI
FINAL FLOW PRESS.	203-375	PSI	PSI	PSI
FINAL SHUT-IN	972	PSI	PSI	PSI
FINAL HYDRO.	1860	PSI	PSI	PSI
TOTAL FLUID REC.	1040	FT	FT	FT
GAS	7.832	BBL	BBL	BBL
OIL	14,545	BBL	BBL	BBL
WATER	0	BBL	BBL	BBL
MUD	0	BBL	BBL	BBL
TOTAL FLUID REC.	14,545	BBL	BBL	BBL



DRILL STEM TEST INFORMATION

RECORDED INFORMATION	DST #1	DST #	DST #	DST #
DATE TESTED	9/26/87			
ZONE TESTED	SIMPSON			
INTERVAL (FT)	3702-3732			
ANCHOR LENGTH (FT)	30			
INITIAL HYDRO (PSI)	1907			
INIT. FLOW PRES. (PSI)	73-140			
INIT. SHUT-IN (PSI)	976			
FINAL FLOW PRES. (PSI)	203-375			
FINAL SHUT-IN (PSI)	972			
FINAL HYDRO. (PSI)	1860			
TOTAL FLUID FT. (PSI)	1040			
GAS (BBL)	7.832			
OIL (BBL)	14,545			
WATER (BBL)	0			
MUD (BBL)	0			
TOTAL FLUID (BBL)	14,545			
PIPE CAPACITY (BBL/FT)	.0155			
WEIGHT PIPE CAPACITY (BBL/FT)	0			
COLAR CAPACITY (BBL/FT)	0			
EXTRA EQUIPMENT	WESTERN			
COMPANY REP.				
SOLE SIZE (IN.)	7.875			
ZONE POROSITY (%)	12(Default)			
EFFECTIVE FRET PAY	15			
GRAVITY (API)	43			
CHLORIDES-MUD (PPM)				
CHLORIDES-REC. FLUID (PPM)				
FORMATION TEMP. (F)	108			
TIME PERIODS (MINUTES)	30-60-60-87			
TYPE OF DRIVE	WATER			
AVERAGE WATER SATURATION (%)	25			
WATER VISCOSITY (CP)	.65			
ABANDONMENT PRESSURE (PSI)	40			
ECONOMIC LIMIT (BOPM)	90			

PRODUCTION CALCULATIONS	
GAS/OIL RATIO	138.0235
FORMATION VOL FACTOR	1.0802
VIS OF FLUID-RESERVOIR (CP)	1.6436
BUBBLE POINT (PSI)	523.821
EXTRAP. PRES. 1ST SI (PSI)	986.7147
EXTRAP. PRES. 2ND SI (PSI)	984.9455
SLOPE OF 2ND SI (PSI/LC)	28.4251
TRANSMISS. LIQUID (md-ft/cp)	1115.285
FLOW CAP (md-ft)	1833.089
PRODUCT. INDEX (BOPD/PSI)	.0147
POTENTIO. SURFACE (ft ASL)	10.0886
PERMEABILITY (md)	122.2059
RADIUS OF INVEST. (FT)	237.7646
FLOW RATE GAS (MCF)	0
FLOW RATE TOTAL FLUID (BPD)	180.4882
FLOW RATE OIL (BPD)	180.4882
ESTIMATED DAMAGE RATIO	3.9431
POTENTIAL/DAMAGE REM. (BPD)	711.6846

RESERVOIR CALCULATIONS	
RECOVERY FACTOR (%)	
ANNUAL DECLINE (%)	
WELL LIFE (YEARS)	
NO. ACRES AFFECTED	
NO. ACRES NOT AFFECTED	
ECONOMIC RESERVES (BBL)	

Formation Testing Services, Inc. shall not be liable for damages of any kind, or for losses suffered or sustained directly or indirectly through the use of its statements or opinion concerning the results of any test.