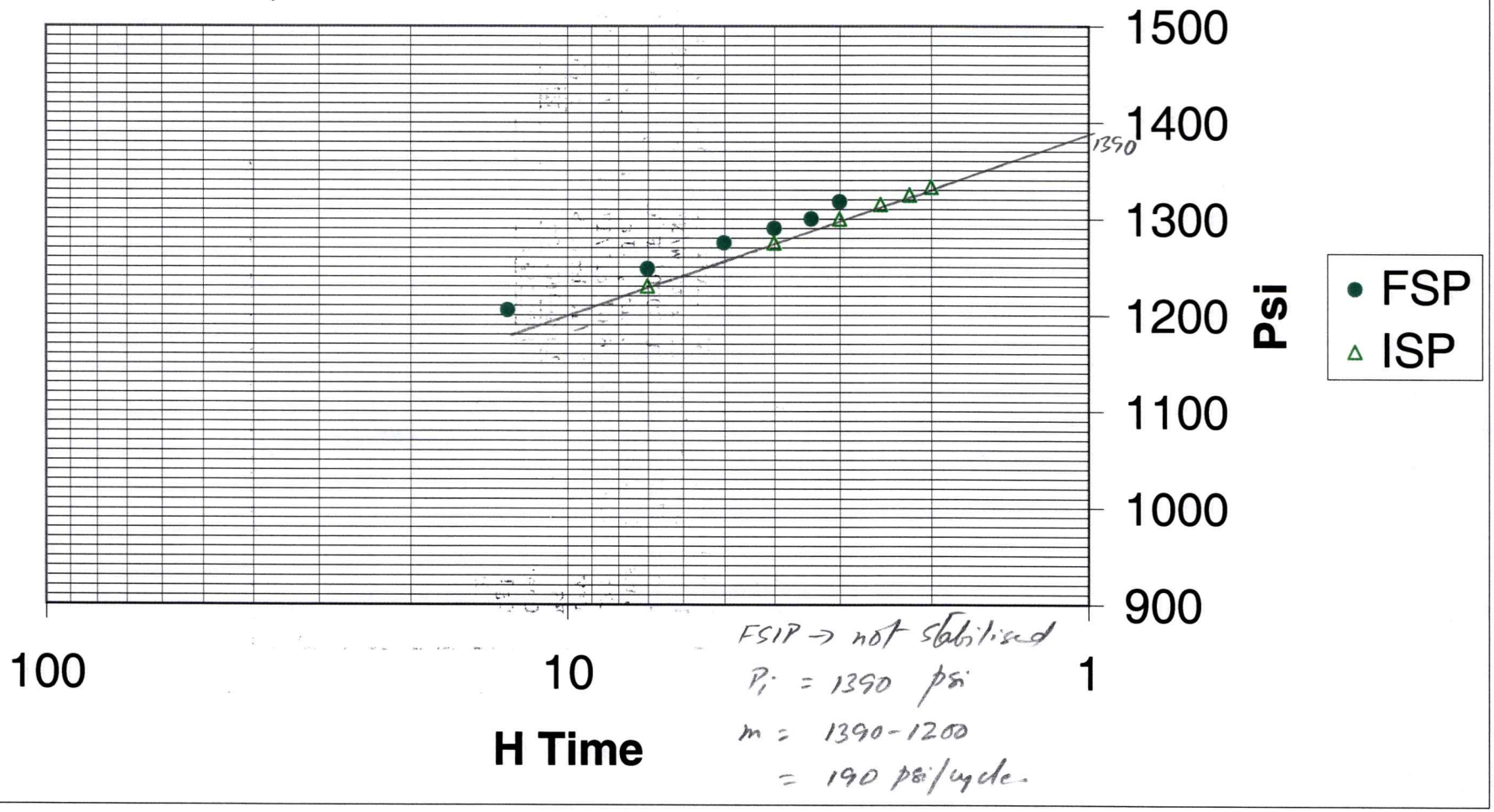
Borger A2
4398-4410 ft



Well: **Borger A2**

	from, ft	to, ft	thickness, ft
DST range:	4398	4410	12

entered data
read from correlations
read from Horner plot
calculation

GO, ft
SMO, ft oil %

Reservoir gas properties:

Sp gr., Rog =	0.73		gas specific gravity (avg from 3 samples)
Tpc =	386	R	pseudocritical temp
Ppc =	660	psia	pseudocritical pressure

DST analysis - Oil:

Pi =	1390	psi	
m =	190	psi/cycle	
Qo =	533.0	bbl/d	
Qg =		Mcf/d	
Pwf =	455	psi	(related to Qo - end of second flow)
P I hr =			

Transmissibility:

Kh/Muo =	162.6*Qo*Bo/m		
Bo =	1.03	bbl/STB	oil fm vol factor @ BP - Schaben
Muo =	1.95	cp	at BP - Schaben

GOR, Rs =		scf/bbl	
API stock tank =			74
Sp gr oil, Roo =			
Res temp =		F	

Bo = 0.972+0.000147*(Rs*(Rog/Roo)^0.5+1.25*T)^1.175
Bo @ bubble pt = bbl/STB

Kh/Muo = 469.85377 md-ft\cp

Permeability:

h = 12 ft pay

Muo, 1 atm & res temp =		cp
Muo, gas sat. =		cp

K = 76.4 md

Production rate calculation:

Liquid recovery:

FO	1048	ft	
MCO	189	ft	Oil % = 80
Total =	1199.2	ft	

Drill collar length =	0	feet
Drill collar ID =	2.25	inch
Drill pipe ID =	3.95	inch
Fluid in drill collar =	0	feet
Fluid in drill pipe =	1199.2	feet
Effective ID =	3.95	inch
Effective capacity =	0.01516	bbl/ft

Pre-flow recovery:

FFP - end of pre-flow =	278	psi
FFP - end of main flow =	455	psi
Recovery from pre-flow =	732.7	ft
Pre-flow volume =	11.1	bbl
Pre-flow time =	30	min
Pre-flow rate =	533.0	bbl/d

Main-flow recovery:

Recovery from main-flow =	466.5	ft
Main-flow volume =	7.07	bbl
Main flow time =	30	mins
Main-flow rate =	339.4	bbl/d