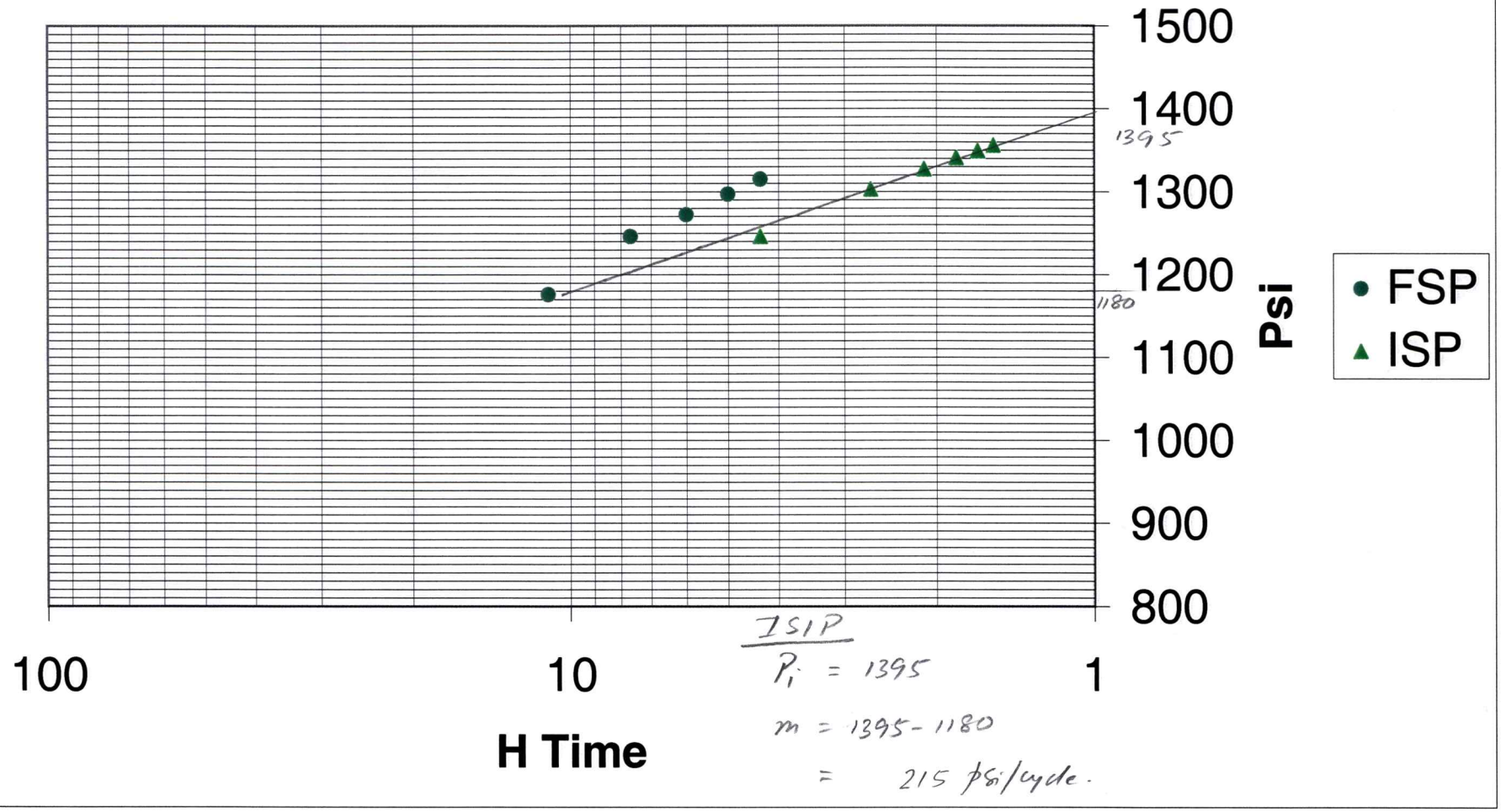
Moore C2
4402-4410 ft



Well: **Moore C2**

	from, ft	to, ft	thickness, ft
DST range:	4402	4410	8

ISIP analysis

entered data
read from correlations
read from Horner plot
calculation

GO, ft	60	Oil % =	100
SMO, ft	120	Oil % =	85

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 =	1395	psi	
m =	215	psi/cycle	
Qo =	220.1	bbl/d	
Qg =		Mcf/d	
Pwf =	99	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 =	171.45236	md-ft\cp

Permeability:

h =	8	ft	pay
Muo, 1 atm & res temp =		cp	
Muo, gas sat. =		cp	
K =	41.8	md	

Production rate calculation:

Liquid recovery:

GO + SMO	162	ft	
MO	60	ft	Oil % = 50
Total =	192	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 =	192	feet
Effective ID =	3.95	inch
Effective capacity =	0.01516	bbl/ft

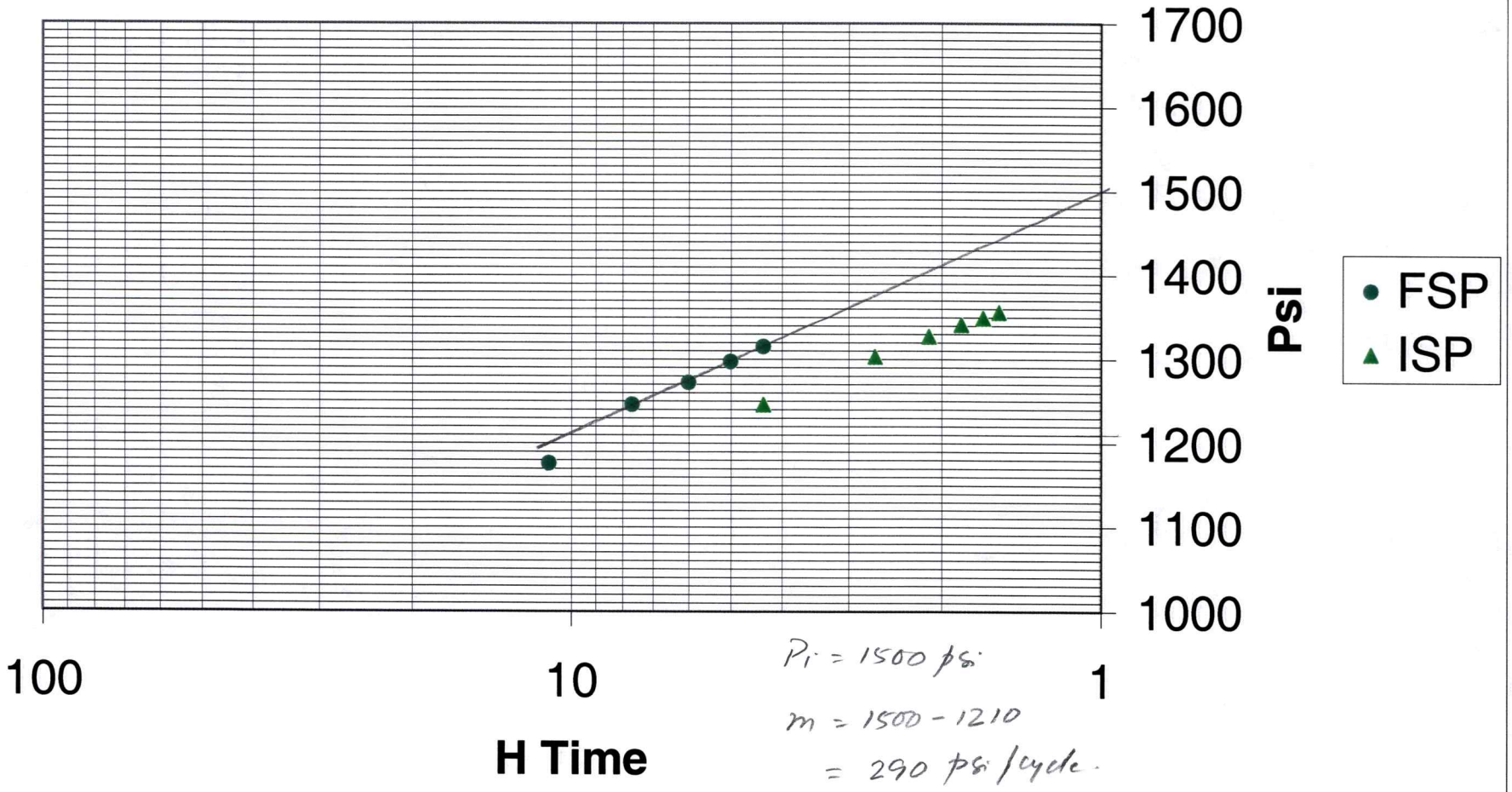
Pre-flow recovery:

FFP - end of pre-flow =	52	psi
FFP - end of main flow =	99	psi
Recovery from pre-flow =	100.8	ft
Pre-flow volume =	1.5	bbl
Pre-flow time =	10	min
Pre-flow rate =	220.1	bbl/d

Main-flow recovery:

Recovery from main-flow =	91.2	ft
Main-flow volume =	1.38	bbl
Main flow time =	90	mins
Main-flow rate =	22.1	bbl/d

Moore C2
4402-4410 ft - FSIP



Well: **Moore C2**

	from, ft	to, ft	thickness, ft
DST range:	4402	4410	8

FSIP analysis

entered data
read from correlations
read from Horner plot
calculation

GO, ft	60	Oil % =	100
SMO, ft	120	Oil % =	85

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 =	1500	psi	
m =	290	psi/cycle	
Qo =	22.1	bbl/d	
Qg =		Mcf/d	
Pwf =	99	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 =	12.765444	md-ft\cp

Permeability:

h =	8	ft	pay
Muo, 1 atm & res temp =		cp	
Muo, gas sat. =		cp	
K =	3.1	md	

Production rate calculation:

Liquid recovery:

GO + SMO	162	ft	
MO	60	ft	Oil % = 50
Total =	192	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 =	192	feet
Effective ID =	3.95	inch
Effective capacity =	0.01516	bbl/ft

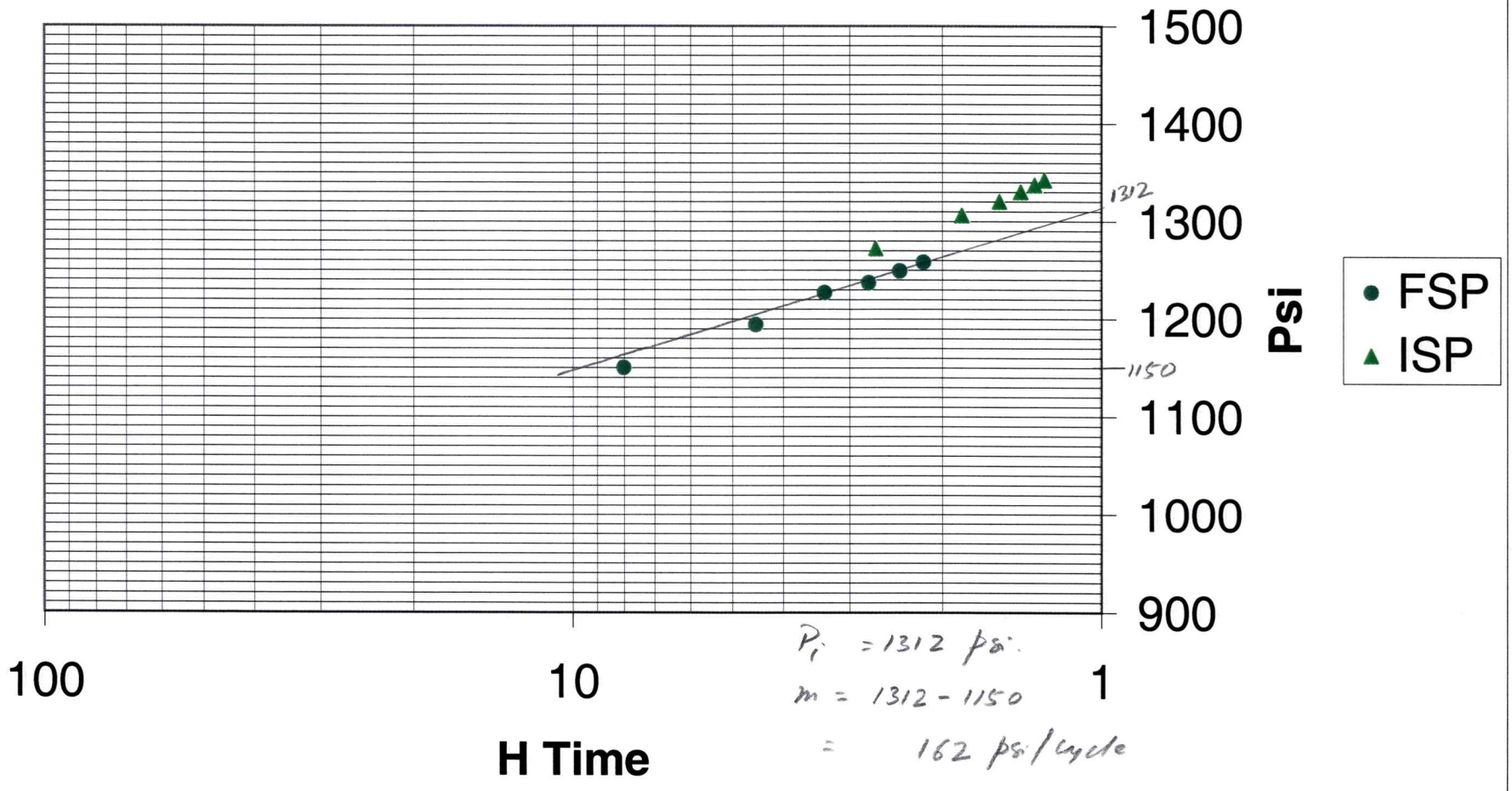
Pre-flow recovery:

FFP - end of pre-flow =	52	psi
FFP - end of main flow =	99	psi
Recovery from pre-flow =	100.8	ft
Pre-flow volume =	1.5	bbl
Pre-flow time =	10	min
Pre-flow rate =	220.1	bbl/d

Main-flow recovery:

Recovery from main-flow =	91.2	ft
Main-flow volume =	1.38	bbl
Main flow time =	90	mins
Main-flow rate =	22.1	bbl/d

Moore C2
4410-4425 ft



Well: **Moore C2**

	from, ft	to, ft	thickness, ft
DST range:	4410	4425	15

entered data
read from correlations
read from Horner plot
calculation

GO, ft 60 Oil % = 100
SMO, ft 120 Oil % = 85

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 =	1312	psi	
m =	162	psi/cycle	
Qo =	488.0	bbl/d	
Qg =		Mcf/d	
Pwf =	432	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 = 504.53455 md-ft\cp

Permeability:

h = 15 ft pay

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

K = 65.6 md

Production rate calculation:

Liquid recovery:

FO	900	ft	
MO	300	ft	Oil % = 50
Total =	1050	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 =	1050	feet
Effective ID =	3.95	inch
Effective capacity =	0.01516	bbl/ft

Pre-flow recovery:

FFP - end of pre-flow =	156	psi
FFP - end of main flow =	432	psi
Recovery from pre-flow =	379.2	ft
Pre-flow volume =	5.7	bbl
Pre-flow time =	5	min
Pre-flow rate =	1655.1	bbl/d

Main-flow recovery:

Recovery from main-flow =	670.8	ft
Main-flow volume =	10.17	bbl
Main flow time =	30	mins
Main-flow rate =	488.0	bbl/d