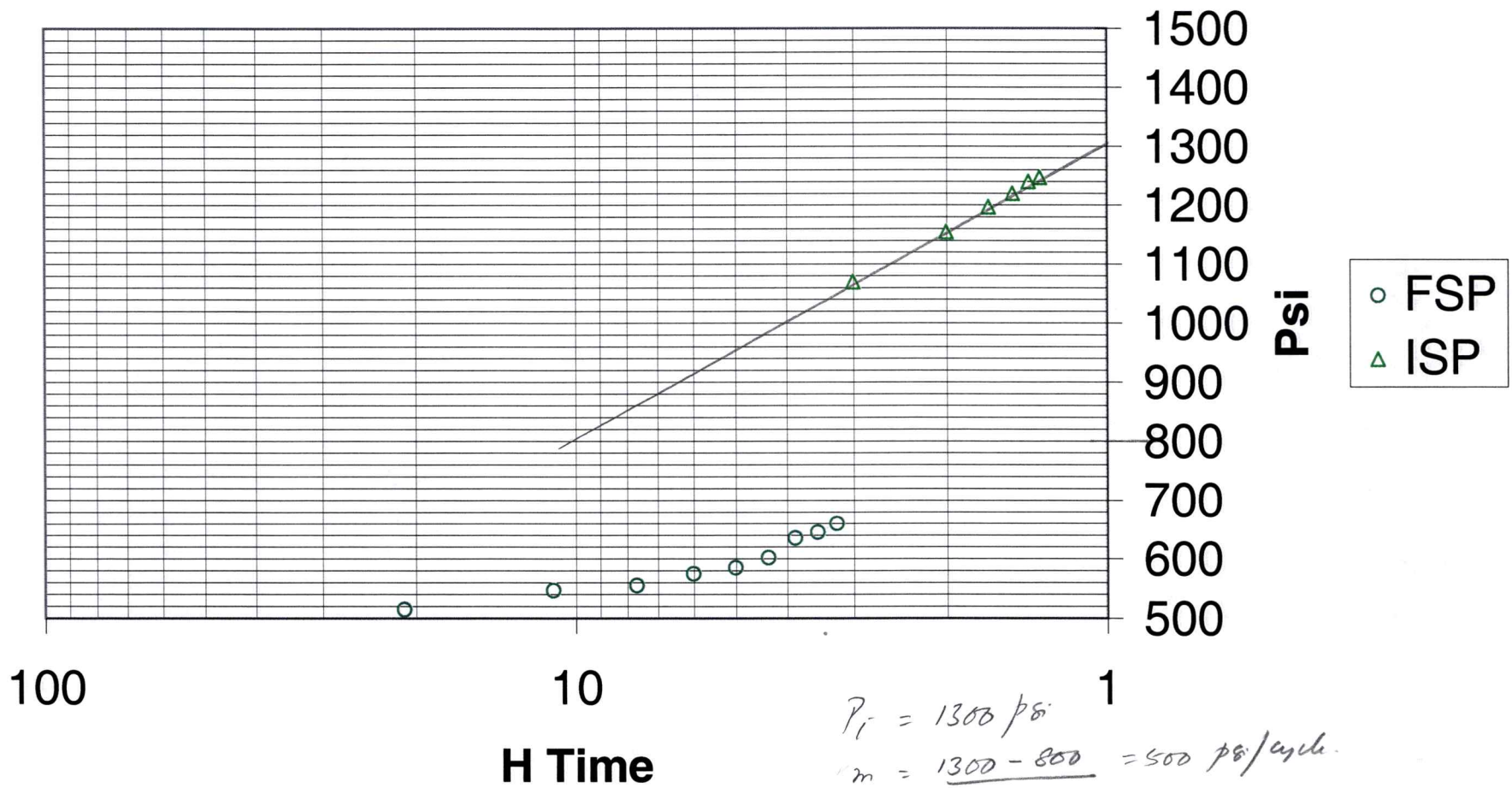


Moore B1 4396-4410 ft



Well:**Moore B1**

DST range:

from, ft	to, ft	thickness, ft
4396	4410	14

entered data

read from correlations

read from Horner plot

calculation

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 =	1300 psi	
m =	500 psi/cycle	
Qo =	785.4 bbl/d	(during IFP - FSIP inaccurate)
Qg =	Mcf/d	
Pwf =	405 psi	(related to Qo - end of second flow)
P l 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 =	
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 = 263.06695 md-ft/cp

Permeability:

h =	14 ft	pay
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Muo, 1 atm & res temp =	cp
Muo, gas sat. =	cp

K = 36.6 md

Production rate calculation:**Liquid recovery:**

CGO =	766 ft		
VHMC GO =	514 ft	Oil % =	40
Total =	971.6 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 =	971.6 feet

Effective ID =	3.95 inch
Effective capacity =	0.01516 bbl/ft

Pre-flow recovery:

FFP - end of pre-flow =	150 psi
FFP - end of main flow =	405 psi

Recovery from pre-flow =	359.9 ft
Pre-flow volume =	5.5 bbl
Pre-flow time =	10 min

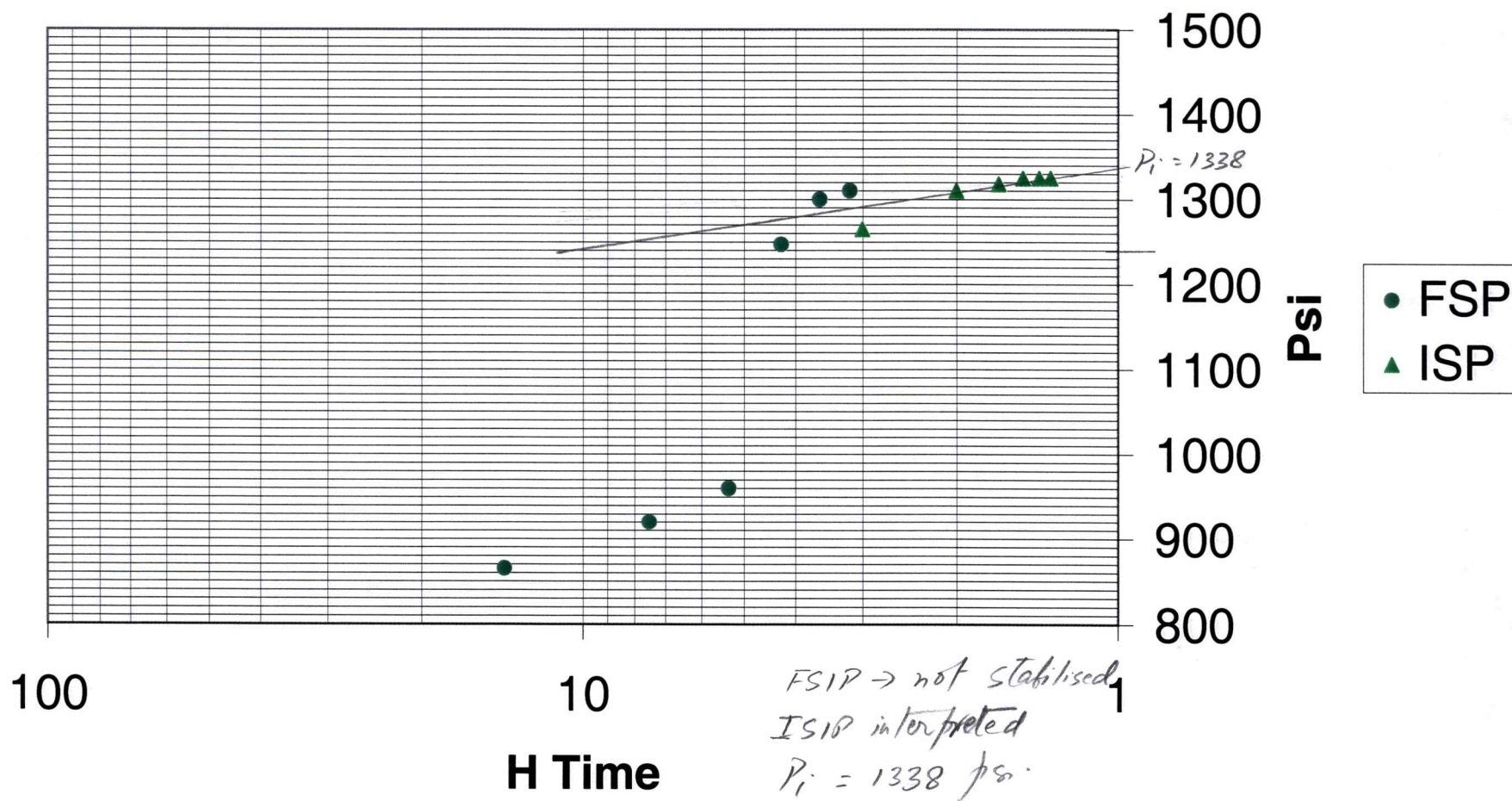
Pre-flow rate = 785.4 bbl/d

Main-flow recovery:

Recovery from main-flow =	611.7 ft
Main-flow volume =	9.27 bbl
Main flow time =	90 mins

Main-flow rate = 148.3 bbl/d

Moore B1 4410-4420 ft



$$m = 1338 - 1240 = 98 \text{ psi/cycle}$$

Well:**Moore B1**

DST range:

from, ft	to, ft	thickness, ft
4410	4420	10

entered data

read from correlations

read from Horner plot

calculation

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 =	1325 psi	
m =	98 psi/cycle	
Qo =	317.0 bbl/d	(FSIP not stabilised. ISIP interpreted)
Qg =	Mcf/d	
Pwf =	195 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 =	
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 = 541.72114 md-ft\cp

Permeability:

h =	10 ft	pay
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Muo, 1 atm & res temp =	cp
Muo, gas sat. =	cp

K = 105.6 md

Production rate calculation:**Liquid recovery:**

FO	176 ft	
HOGCM	381 ft	Oil % =
Total =	404.6 ft	60

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 =	404.6 feet

Effective ID =	3.95 inch
Effective capacity =	0.01516 bbl/ft

Pre-flow recovery:

FFP - end of pre-flow =	70 psi
FFP - end of main flow =	195 psi

Recovery from pre-flow =	145.2 ft
Pre-flow volume =	2.2 bbl
Pre-flow time =	10 min

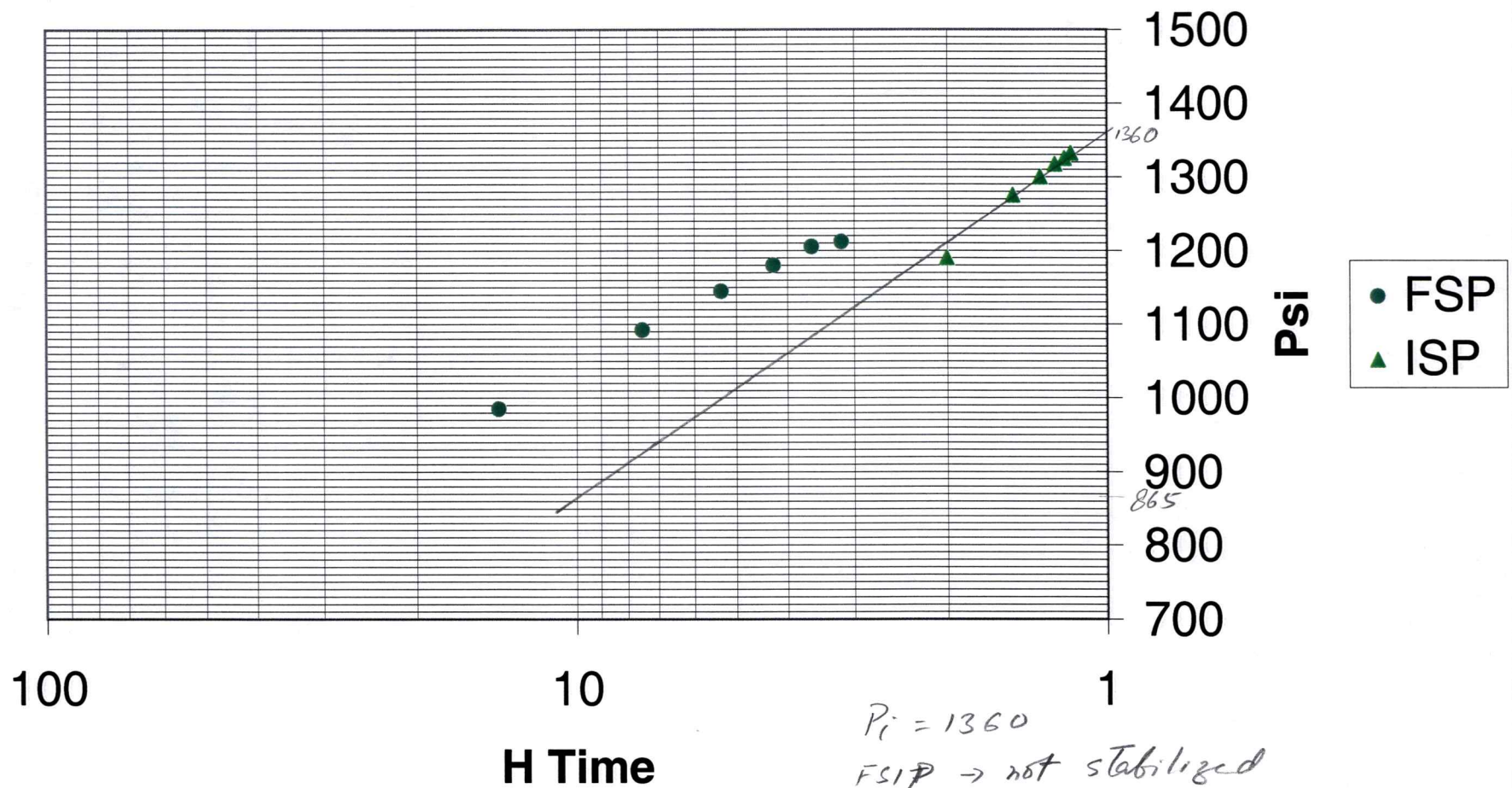
Pre-flow rate = 317.0 bbl/d

Main-flow recovery:

Recovery from main-flow =	259.4 ft
Main-flow volume =	3.93 bbl
Main flow time =	120 mins

Main-flow rate = 47.2 bbl/d

Moore B1 4420-4430 ft



Well:**Moore B1**

DST range:

from, ft	to, ft	thickness, ft
4420	4430	10

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 =	1360 psi	
m =	495 psi/cycle	
Qo =	1038.5 bbl/d	(FSIP not stabilised. ISIP interpreted)
Qg =	Mcf/d	
Pwf =	405 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 =	
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 = 351.38168 md-ft/cp

Permeability:

h =	10 ft	pay
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Muo, 1 atm & res temp =	cp
Muo, gas sat. =	cp

K = 68.5 md

	entered data
	read from correlations
	read from Horner plot
	calculation

Production rate calculation:**Liquid recovery:**

FO	693 ft		
HMGCO	451 ft	Oil % =	60
Total =	963.6 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 =	963.6 feet

Effective ID =	3.95 inch
Effective capacity =	0.01516 bbl/ft

Pre-flow recovery:

FFP - end of pre-flow =	100 psi
FFP - end of main flow =	405 psi

Recovery from pre-flow =	237.9 ft
Pre-flow volume =	3.6 bbl
Pre-flow time =	5 min

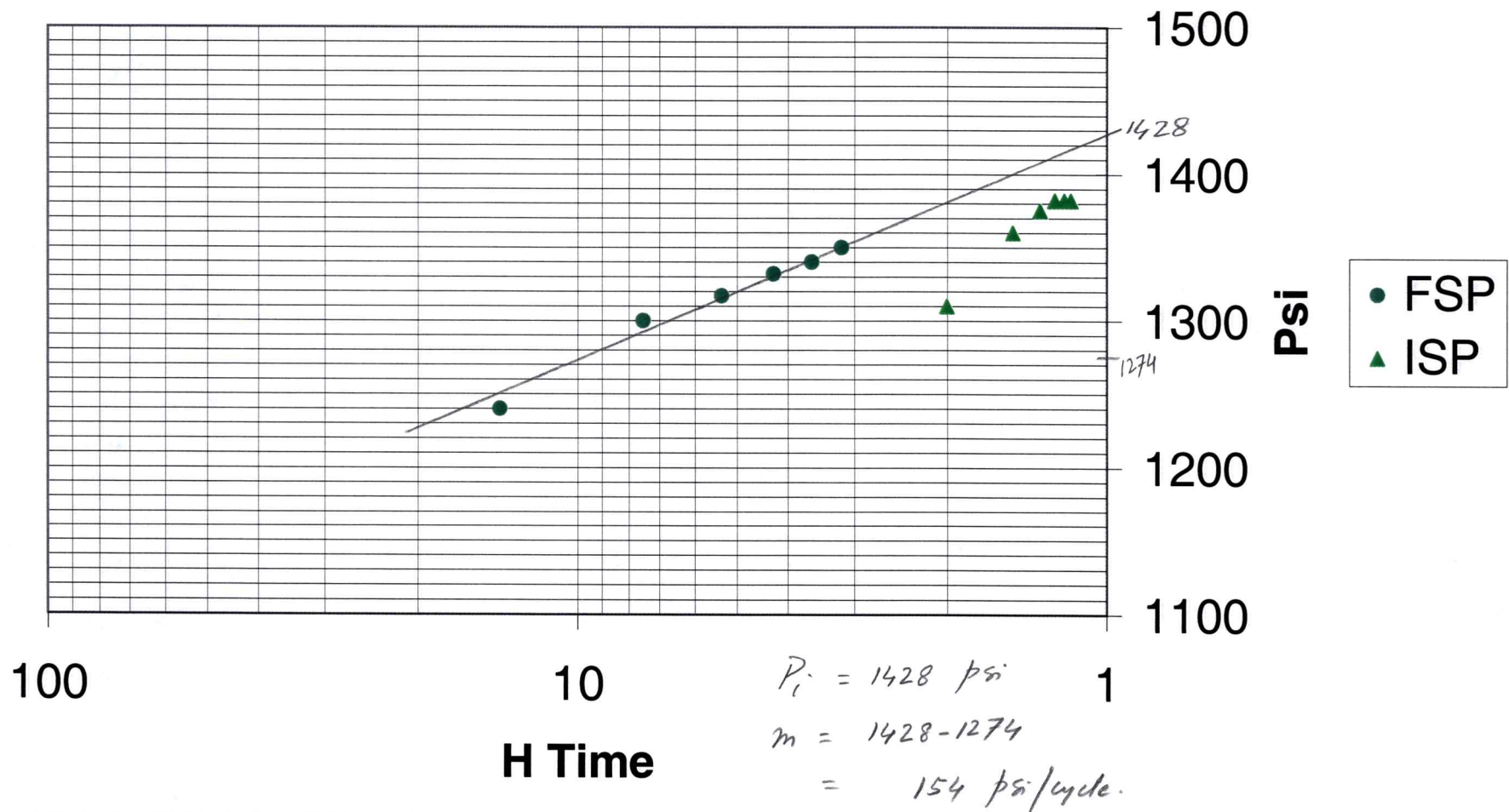
Pre-flow rate =	1038.5 bbl/d
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Main-flow recovery:

Recovery from main-flow =	725.7 ft
Main-flow volume =	11.00 bbl
Main flow time =	60 mins

Main-flow rate =	264.0 bbl/d
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Moore B1 4430-4440 ft



Well: **Moore B1**

	from, ft	to, ft	thickness, ft
DST range:	4430	4440	10

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 =	1428 psi	
m =	154 psi/cycle	
Qo =	288.1 bbl/d	
Qg =	Mcf/d	
Pwf =	415 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 =	
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 = 313.30387 md-ft/cp

Permeability:

h = 10 ft pay

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

K = 61.1 md

	entered data
	read from correlations
	read from Horner plot
	calculation

Production rate calculation:

Liquid recovery:

FGOSMC	996 ft		
FW	130 ft	Oil % =	0
Total =	996 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 =	996 feet

Effective ID =	3.95 inch
Effective capacity =	0.01516 bbl/ft

Pre-flow recovery:

FFP - end of pre-flow =	85 psi
FFP - end of main flow =	415 psi

Recovery from pre-flow =	204.0 ft
Pre-flow volume =	3.1 bbl
Pre-flow time =	5 min

Pre-flow rate = 890.5 bbl/d

Main-flow recovery:

Recovery from main-flow =	792.0 ft
Main-flow volume =	12.00 bbl
Main flow time =	60 mins

Main-flow rate = 288.1 bbl/d