

OPERATOR: WIEPKING - FULLERTON ENERGY LLC
WELL NAME: MA STATE 3

TEST NO: 1
TICKET NO: 2953

Contractor Murfin Drilling
Rig No. 25
Spot NW/SW
Sec 24
Twp 10 S
Rng 56 W
Field
County Lincoln
State Colorado
Elevation 5320' KB - 5308' GL
Formation Cherokee "A"

Surface Choke 1"
Bottom Choke 5/8"
Hole Size 7 7/8"
Core Hole Size
DP Size & Wt 4 1/2" 16.60
Wt Pipe
ID of DC 2 3/8"
Length of DC 516'
Total Depth 7225'
Type of Test Conventional
Interval 7186' - 7225'

Mud Type Chemical/Gel
Weight 9.0
Viscosity 90
Water Loss 7.2
Filter Cake 1/32
RW @ Deg F
Chlorides Ppm

Co. Rep. Gregg Smith
Tester Mark Green

Pipe Recovery:

1995' Total fluid, consisting of:
1520' Gassy oil
285' Gas cut oil emulsion w/trace of mud
150' Slightly oil cut mud
2990' Mud (reversed in pipe before plugging)

Properties:

Surface blow:

1st Flow - Began with a 1" blow, increased to bottom of bucket at 30 seconds, 10.0 psi at 5 minutes, 18.0 psi at 10 minutes, 20.0 psi at 12 1/2 minutes with gas to surface, 21.0 psi at 15 minutes.

2nd Flow - Began with a strong blow, increased to bottom of bucket at 45 seconds, 7.0 psi at 10 minutes, 10.0 psi at 15 minutes and remained thru flow period.

Downhole Sampler:

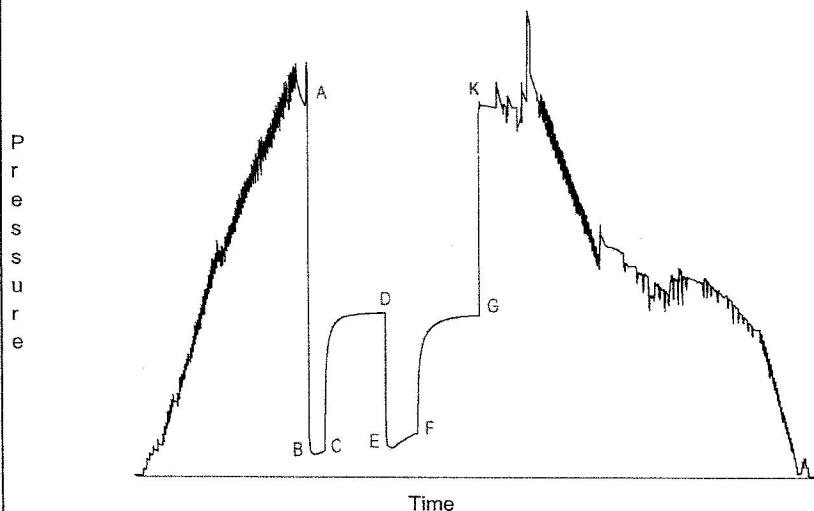
Pressure in Sampler 1000 psig
Volume of Sampler 1850 cc
Volume of Sample 750 cc
Oil: 750 cc
Water: 0 cc
Mud: 0 cc
Gas: 5.75 cu ft
Other: 0

Rw:
Chlorides:
Gas/Oil Ratio 1227/1 cu.-ft./bbl.
Gravity 36.0 API @ 60 Deg F

Opened Tool @ 23:45 hrs on 08/25/2013

	Reported	Corrected	
Flow 1	15	15	min
Shut-in 1	60	60	min
Flow 2	30	31	min
Shut-in 2	60	60	min

Downhole Pressure Chart



Downhole Pressure Data

Recorder Type JMCO Memory Recorder
No. 5517 Cap 6000 psi
Depth 7212 ft.
Inside X Outside
Psi(a) Deg (f)
Initial Hydrostatic [A] 3336
Final Hydrostatic [K] 3323
Initial Flow 1 [B] 207 171
Final Flow 1 [C] 230 175
Initial Flow 2 [E] 269 176
Final Flow 2 [F] 385 181
Shut-in 1 [D] 1483 174
Shut-in 2 [G] 1460 178
Maximum Temperature 181

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FORMATION: CHEROKEE "A"
INTERVAL: 7186' - 7225'

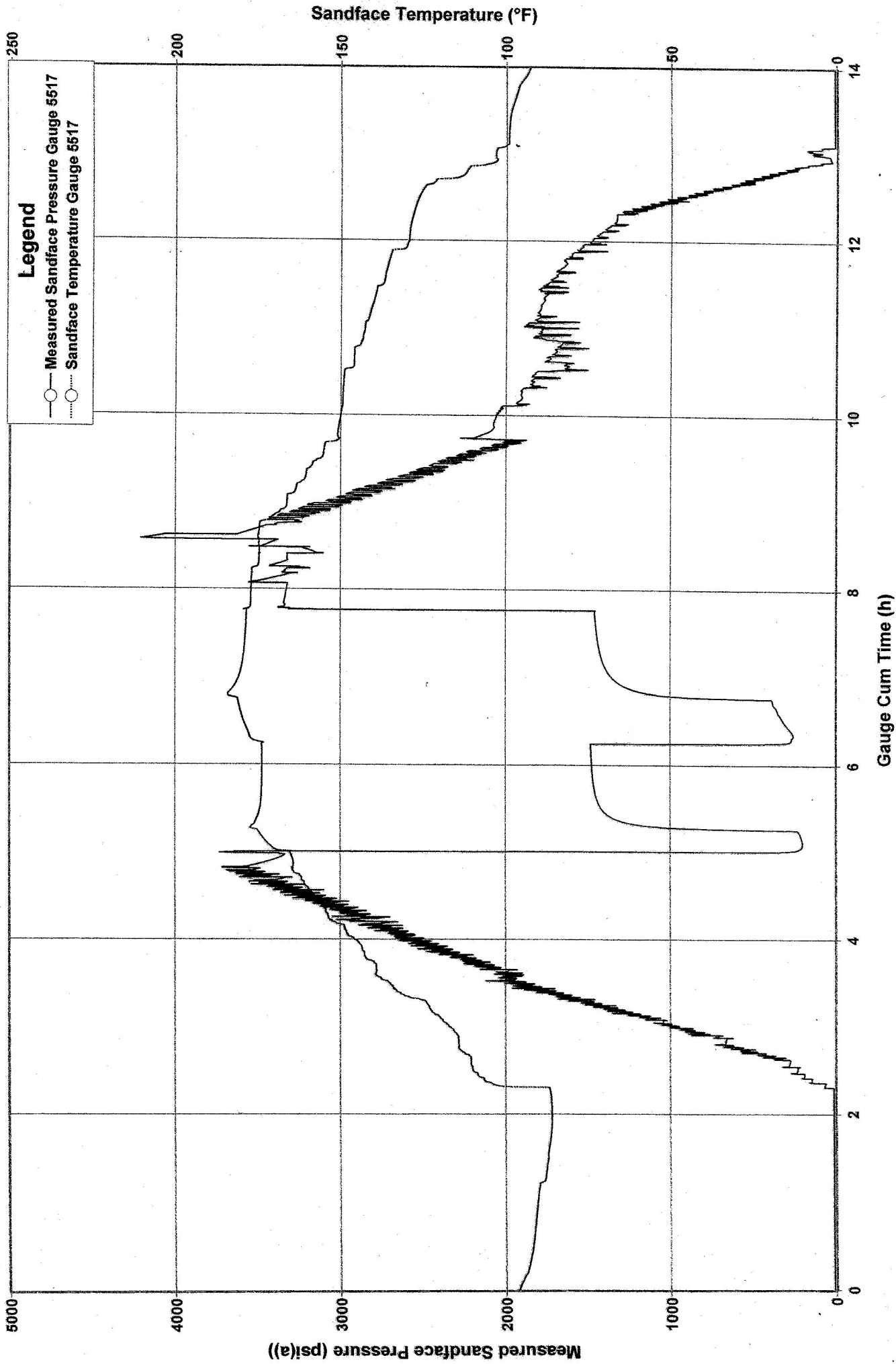
TEST NO: 1
DATE: 08/25/2013



Wiepking - Fullerton Energy LLC
Interval: 7186' - 7225'

Gauge 5517 Data Chart

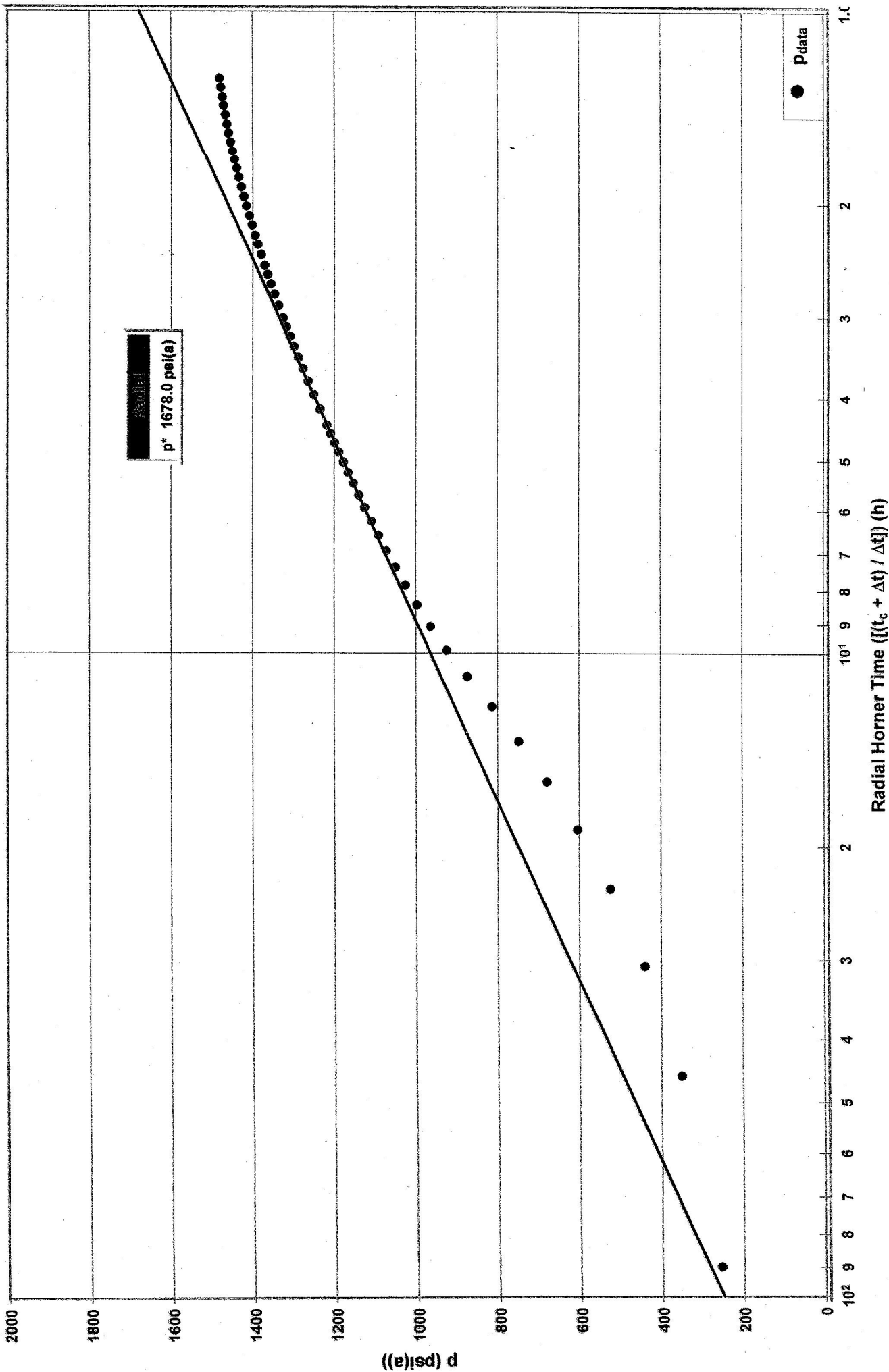
Ma State 3, Dst 1
Formation: Cherokee "A"



Diagnostic Plot - Shut In 1

Wiepking - Fullerton Energy LLC
Interval: 7186' - 7225'

Ma State 3, Dst 1
Formation: Cherokee "A"

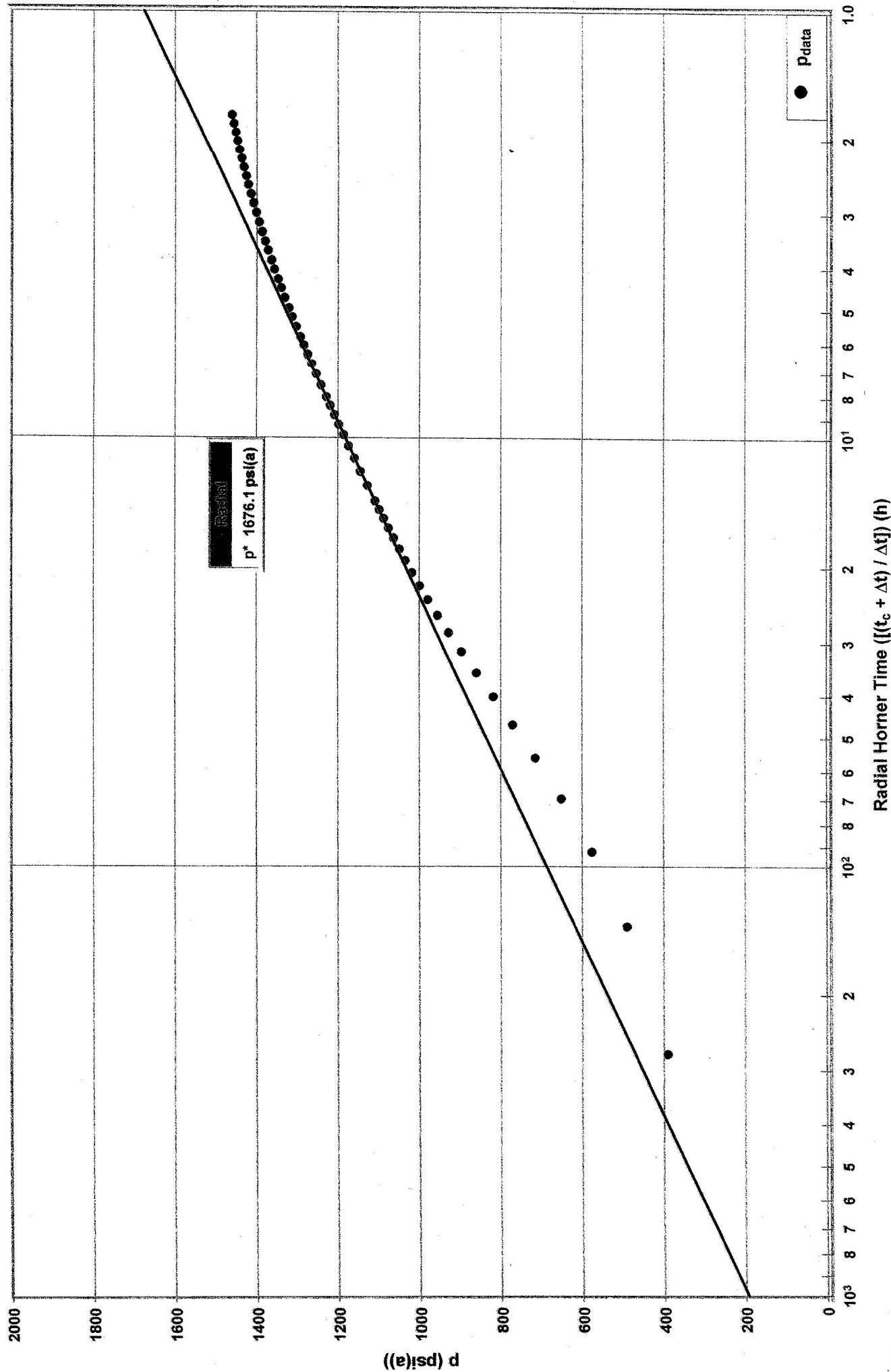


Diagnostic Plot - Shut In 2

Radial

Wiepking - Fullerton Energy LLC
Interval: 7186' - 7225'

Ma State 3, Dst 1
Formation: Cherokee "A"



Diagnostic Plot - Shut In 2 Typecurve

Wiepking - Fullerton Energy LLC
Interval: 7186' - 7225'

Ma State 3, Dst 1
Formation: Cherokee "A"

