

OPERATOR: WIEPKING - FULLERTON ENERGY LLC
WELL NAME: RAPTOR 7

TEST NO: 2
TICKET NO: 2948

Contractor Murfin Drilling
Rig No. 25
Spot NW/SE
Sec 18
Twp 10 S
Rng 55 W
Field
County Lincoln
State Colorado
Elevation 5219' KB - 5206' GL
Formation Pawnee "B"

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 547'
Total Depth 7053'
Type of Test Conventional
Interval 7030' - 7053'

Mud Type Chemical
Weight 9.1
Viscosity 75
Water Loss 7.2
Filter Cake 1/32
RW 1.3 @ 70 Deg F
Chlorides Ppm

Co. Rep. Gregg Smith
Tester Roger Seeman

Pipe Recovery:

1295' Total fluid = 13.88 bbl., consisting of:
282' Oil = 4.03 bbl.
312' Highly oil cut, gassy mud = 4.40 bbl.
701' Water = 5.45 bbl.

Properties:

Sample 2: 0.28 @ 80 deg F/20,000 ppm Cl
Sample 3: 0.16 @ 80 deg F/39,500 ppm Cl
Sample 4: 0.16 @ 80 deg F/39,500 ppm Cl

Downhole Sampler:

Pressure in Sampler 700 psig
Volume of Sampler 1850 cc
Volume of Sample 1500 cc
Oil: 400 cc
Water: 1100 cc
Mud: 0 cc
Gas: 0 cu ft
Other: 0
Rw: 0.16 @ 86 deg F
Chlorides: 39,500
Gas/Oil Ratio
Gravity 33.0 API @ 60 Deg F

Surface blow:

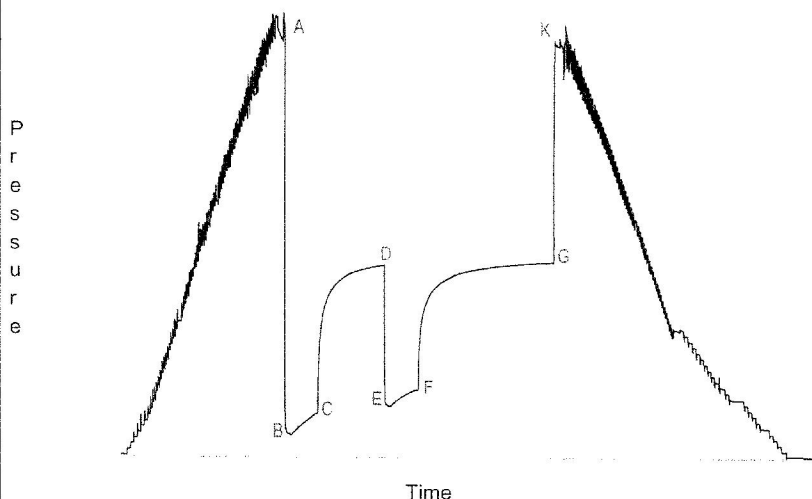
1st Flow - Began with a strong blow, increased to 4.0 psi at 9 minutes with gas to surface and remained thru flow period.

2nd Flow - Began with a 2" blow, increased to 6.5 oz at 4 minutes, increased to 10.0 oz and remained thru flow period.

Opened Tool @ 12:45 hrs on 7/25/2013

	Reported	Corrected	
Flow 1	30	29	min
Shut-in 1	60	60	min
Flow 2	30	30	min
Shut-in 2	120	121	min

Downhole Pressure Chart



Downhole Pressure Data

Recorder Type JMCO Memory Recorder
No. 5517 Cap 6000 psi
Depth 7013 ft.
Inside X Outside
Psi(a) Deg (f)
Initial Hydrostatic [A] 3306
Final Hydrostatic [K] 3274
Initial Flow 1 [B] 197 164
Final Flow 1 [C] 346 178
Initial Flow 2 [E] 418 174
Final Flow 2 [F] 533 182
Shut-in 1 [D] 1521 172
Shut-in 2 [G] 1547 176
Maximum Temperature 182

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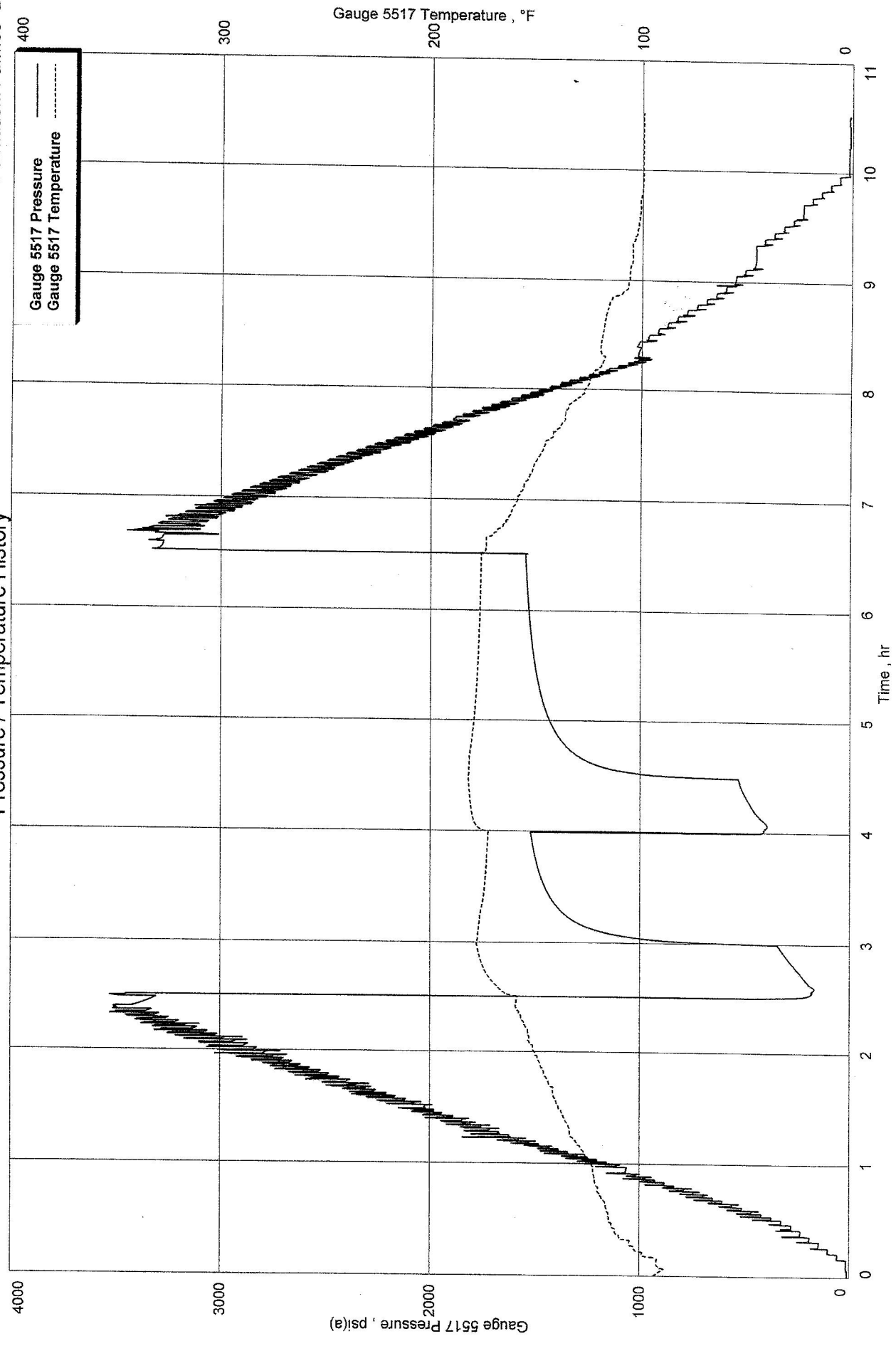
TEST NO: 2
DATE: 07/25/2013



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Raptor 7, Dst 2
Formation: Pawnee "B"

Pressure / Temperature History

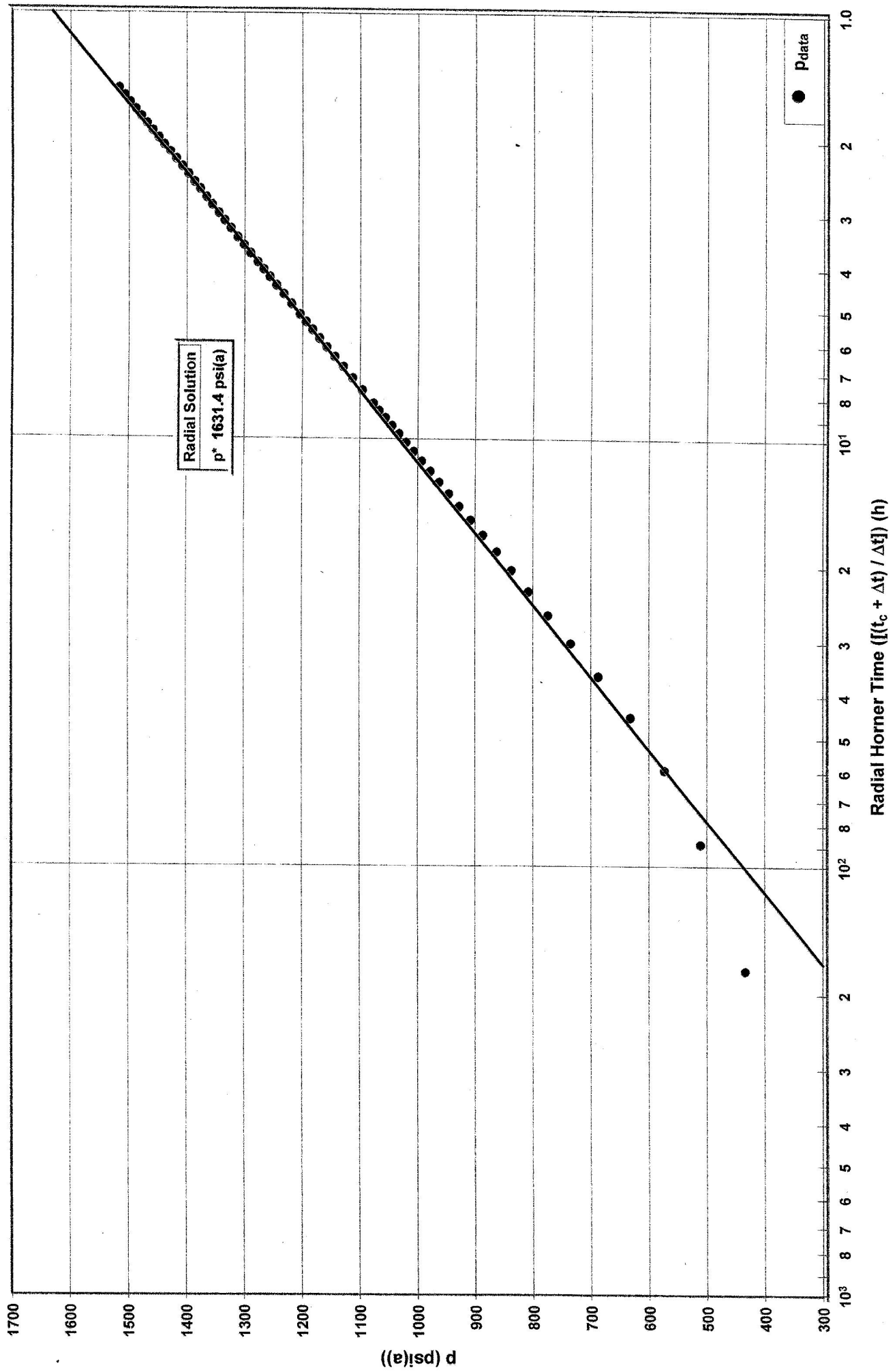


Diagnostic Plot - Shut In 1

Radial

Wiepking - Fullerton Energy LLC
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Raptor 7, Dst 2
Formation: Pawnee "B"

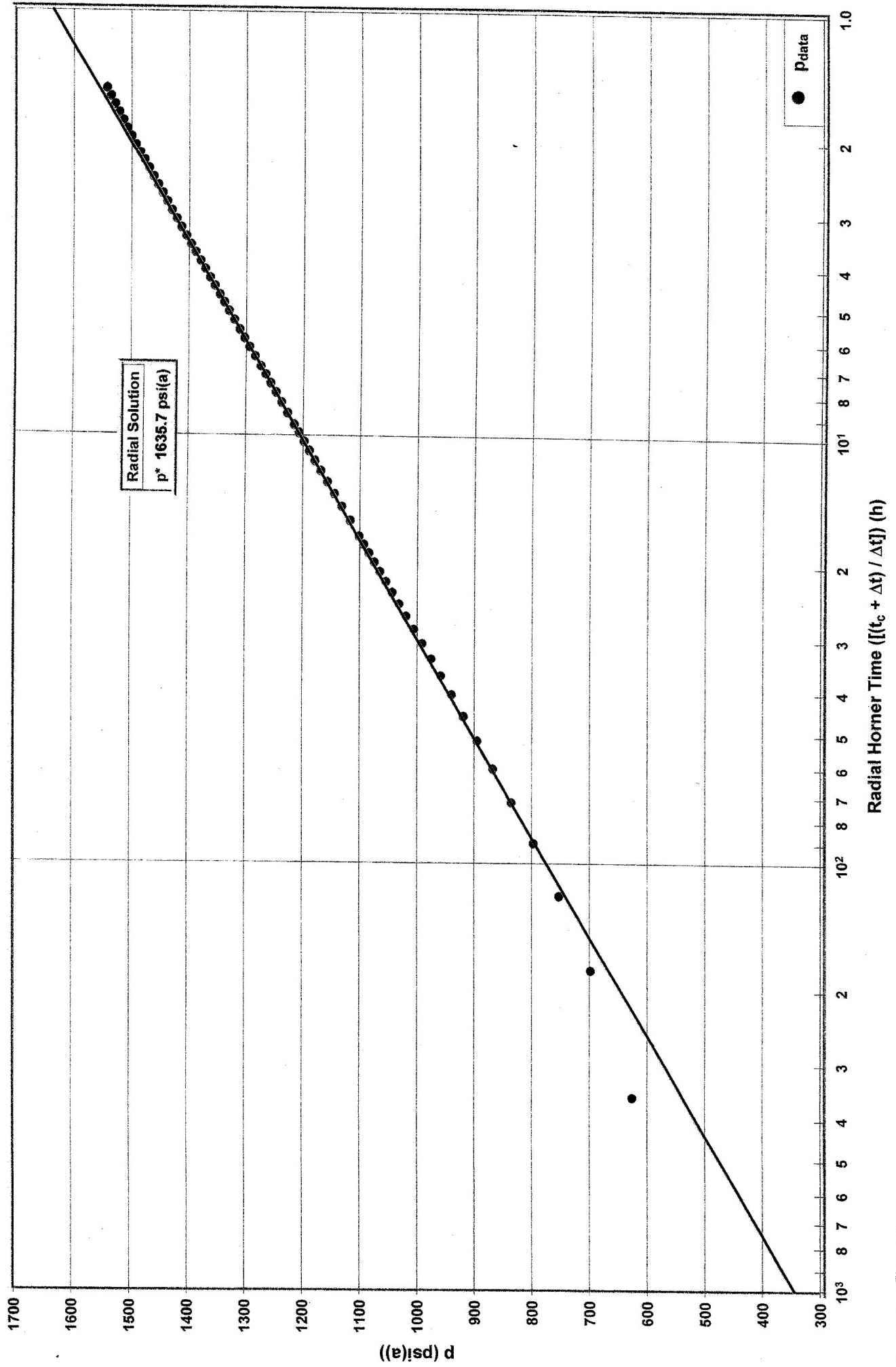


Diagnostic Plot - Shut In 2

Radial

Wiepking - Fullerton Energy LLC
Interval: 7030'- 7053'

Raptor 7, Dst 2
Formation: Pawnee "B"



Diagnostic Plot - Shut In 2 Typecurve

Wiepking - Fullerton Energy LLC
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Raptor 7, Dst 2
Formation: Pawnee "B"

