

OPERATOR: WIEPKING - FULLERTON ENERGY LLC
WELL NAME: MA STATE #2

TEST NO: 1
TICKET NO: 2940

Contractor Murfin Drilling
Rig No. 25
Spot SW/SW
Sec 24
Twp 10 S
Rng 56 W
Field Great Plains
County Lincoln
State Colorado
Elevation 5342'-5330'
Formation Cherokee "A"

Surface Choke 1/4"
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 548'
Total Depth 7265'
Type of Test Conventional
Interval 7225'-7265'

Mud Type Chemical/Gel
Weight 8.9
Viscosity 79
Water Loss 6.4
Filter Cake 1/32
RW 1.6 @ 75 Deg F
Chlorides 3,400 Ppm

Co. Rep. Gregg Smith
Tester Mark Green

Pipe Recovery:

456' Total Fluid = 2.51 bbl., consisting of:
183' Gassy mud = 1.01 bbl.
92' Gas & mud cut oil = 0.51 bbl.
92' Gassy oil with trace of mud = 0.51 bbl.
89' Gassy, oil cut mud = 0.49 bbl.

Properties:

Surface blow:

1st Flow: Began with a 1/4" blow, increased to bottom of bucket at 7 minutes and remained thru flow period.

2nd Flow: Began with a 2" blow, increased to bottom of bucket at 1 minute, 9.0 oz at 13 minutes; surging 10.0 oz to 13.0 oz; decreasing to 9.0 oz to 11.0 oz at 40 minutes and continued thru flow period.

Downhole Sampler:

Pressure in Sampler 850 psig
Volume of Sampler 1850 cc
Volume of Sample 1500 cc
Oil: 1500 cc
Water: 0 cc
Mud: 0 cc
Gas: 4.64 cu ft
Other: 0

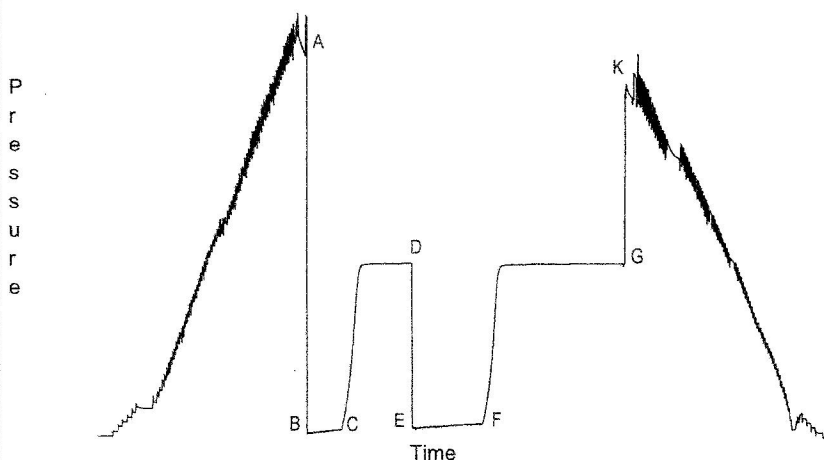
Rw:
Chlorides:
Gas/Oil Ratio 4975/1 cu.-ft./bbl.

Gravity 36.0 API @ 60 Deg F

Opened Tool @ 13:45 hrs on 06/01/2013

	Reported	Corrected	
Flow 1	30	29	min
Shut-in 1	60	60	min
Flow 2	60	60	min
Shut-in 2	120	119	min

Downhole Pressure Chart



Downhole Pressure Data

Recorder Type JMCO Memory Recorder
No. 5517 Cap 6000 psi
Depth 7206 ft.
Inside X Outside
Psi(a) Deg (f)
Initial Hydrostatic [A] 3613
Final Hydrostatic [K] 3401
Initial Flow 1 [B] 47 160
Final Flow 1 [C] 81 166
Initial Flow 2 [E] 92 167
Final Flow 2 [F] 142 171
Shut-in 1 [D] 1644 168
Shut-in 2 [G] 1642 172
Maximum Temperature 172

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FORMATION: CHEROKEE "A"
INTERVAL: 7225'-7265'

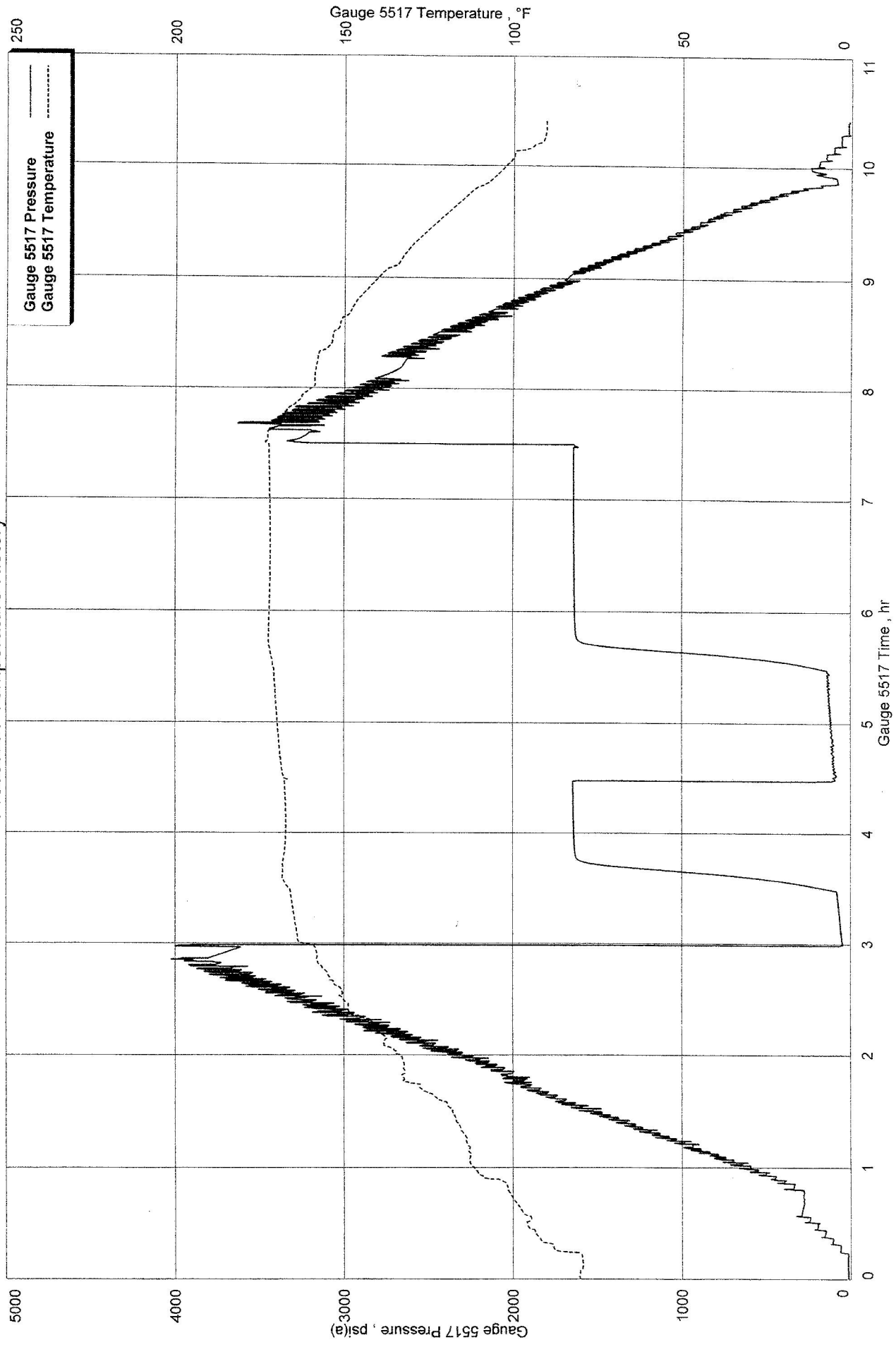
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DATE: 06/01/2013



Wiepking - Fullerton Energy LLC
Interval: 7225' - 7265'

Ma State 2, Dst 1
Formation: Chderokee "A"

Pressure / Temperature History



Diagnostic Plot - Shut In 1

Radial

Wiepking - Fullerton Energy LLC
Interval: 7225' - 7265'

Ma State 2, Dst 1
Formation: Cherokee "A"

