

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 22 2009

Sundry Notices and Reports on Wells

Bureau of Land Management
Farmington Field Office

1. Type of Well
GAS

2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit N (SESW), 960' FSL & 1980' FWL, Section 12, T30N, R6W, NMPM

5. Lease Number
SF-080713

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 30-6 Unit

8. Well Name & Number
San Juan 30-6 Unit 40M

9. API Well No.
30-039-30767

10. Field and Pool
Basin DK/Blanco MV

11. County and State
Rio Arriba, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Other - ☐ Change Cement Slurry

☐ Subsequent Report

☐ Recompletion

☐ New Construction

RCVD JUL 29 '09

☐ Final Abandonment

☐ Plugging

☐ Non-Routine Fracturing

OIL CONS. DIV.

☐ Casing Repair

☐ Water Shut off

DIST. 3

☐ Altering Casing

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Burlington Resources wishes to change the cement recipe for the subject well. Burlington Resources wishes to use this new cement slurry to eliminate failures on intermediate holes, mud drilled production and to advance towards less excess of cement that collapses close-loop systems, which can not handle cement returns. This slurry was designed by previous BLM requirements; 500 psi compressive strength in 24 hrs & 1000 psi compressive strength in 42 hrs. measured at an average circulating temperature of 100 degrees F. Tested at intermediate average BHP of 2000 psi, 141°F and Production section BHP of 4000 psi, 190 degrees Fahrenheit. This slurry is lighter, guaranteeing returns and stronger than our current slurries used. We request to test this slurry operationally on the subject well. The lab test results are attached.

14. I hereby certify that the foregoing is true and correct.

Signed

Crystal Tafuya

Crystal Tafuya

Title: Regulatory Technician

Date 7/22/2009

(This space for Federal or State Office use)

APPROVED BY Troy L. Salas

Title Petroleum Engineer

Date 7/27/2009

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

BJ May 26, 2009 designs

Long string

	lbs/gallon
SG before crushing	10.52
SG after crushing @ 4000 psi	11.55

Reference TT test #: 023090617A

Time	Pi	Pf	Tf	Bci	30 Bc	70 Bc	100 Bc
42 min	500	3000	140 F	43	3:11	4:46	5:21

The rheology did not drop below 30 Bc until 34 minutes into the test, the temperature was 124 F at that time.

UCA

			Temperature Ramp			
Pressure	Time	Temp	Time	Temp	Time	Temp
3000	2 min	80 F	42 min	140 F	240 min	200 F

Compressive Strength

Reference: SGSA 13-090616A

Specification

12:00 HH:MM	959 psi	
13:03 HH:MM	1000 psi	500 psi @ 24 hours
42:00 HH:MM	1059 psi	1000 psi @ 42 hours
48:00 HH:MM	1048 psi	1500 psi final target minimum
73:41 HH:MM	1000 psi	

Static Gel Strength

Initial 150 lbs/100 ft ² @	3:58 HH:MM
200 lbs/100ft ² @	4:03 HH:MM
300 lbs/100ft ² @	4:07 HH:MM
Final 1275 lbs/100ft ² @	4:18 HH:MM

Compressive Strength - Cubes

24 hours @ 100 F

42 hours @ 100 F

Free Water

None

None

Thixotropic slurry

Settling

None

None

Rheology	600	300	200	100	6	3	Spring factor	PV
@ 80 F before crushing	>300	262	205	136	25	19	2X	497.4
@ 80 F after crushing @ 4000 psi	>300	>300	>300	208	40	39	2X	1058.0
@ 140 F after crushing @ 4000 psi	>300	218	164	108	20.5	16	2X	410.3

Fluid Loss @ 140 F 28 cc/30 min

BJ May 26, 2009 designs **Intermediate**
 lbs/gallon
Density before crushing: 10.6
Density after crushing @ 2000 psi: 11.25

Thickening Time: Reference TT test #: 023090616A

Time	Pi	Pf	Tf	Bc Initial	30 Bc	70 Bc	100 Bc
28 min	500	1500	100 F	44	3:58	5:18	5:19

The rheology did not drop below 30 Bc until 11 minutes into the test, the temperature was 85 F at that time.

UCA:

Pressure	Time	Temp	Temperature Ramp			
1500	2 min	80 F	Time	Temp	Time	Temp
			28 min	100 F	240 min	140 F

Compressive Strength Reference SGSA 12-090616A Specification

12:00 HH:MM	659 psi	
24:00 HH:MM	743 psi	500 psi @ 24 hours
42:00 HH:MM	923 psi	1000 psi @ 42 hours
48:00 HH:MM	990 psi	1500 psi final target minimum
49:15 HH:MM	1000 psi	
72:24 HH:MM	1141 psi	

Static Gel Strength:

Initial 150 lbs/100 ft ² @	4:10 HH:MM
200 lbs/100ft ² @	4:21 HH:MM
300 lbs/100ft ² @	4:25 HH:MM
Final 1275 lbs/100ft ² @	4:38 HH:MM

Compressive Strength - Cubes

24 hours @ 100 F

42 hours @ 100 F

Free Water:

None

None

Thixotropic slurry

Settling:

None

None

Rheology:

	600	300	200	100	6	3	Spring factor	PV
@ 80 F before crushing	158	118	90	61	36.5	38	2X	125.4
@ 80 F after crushing @ 2000 psi	215	169	136	95	46	47.5	2X	173.3
@100 F after crushing @ 2000 psi	163	126	94	64	24	24	2X	143.4

Fluid Loss @ 100 F:

87

cc/30 min



Drilling Specialties ConDS2

Customer: ConocoPhillips

Alarm1: 43 Bc in 0:00:00

File Name: 023090617A.ctc

Field/Well: San Juan Business Unit

Alarm2: 71 Bc in 4:46:07

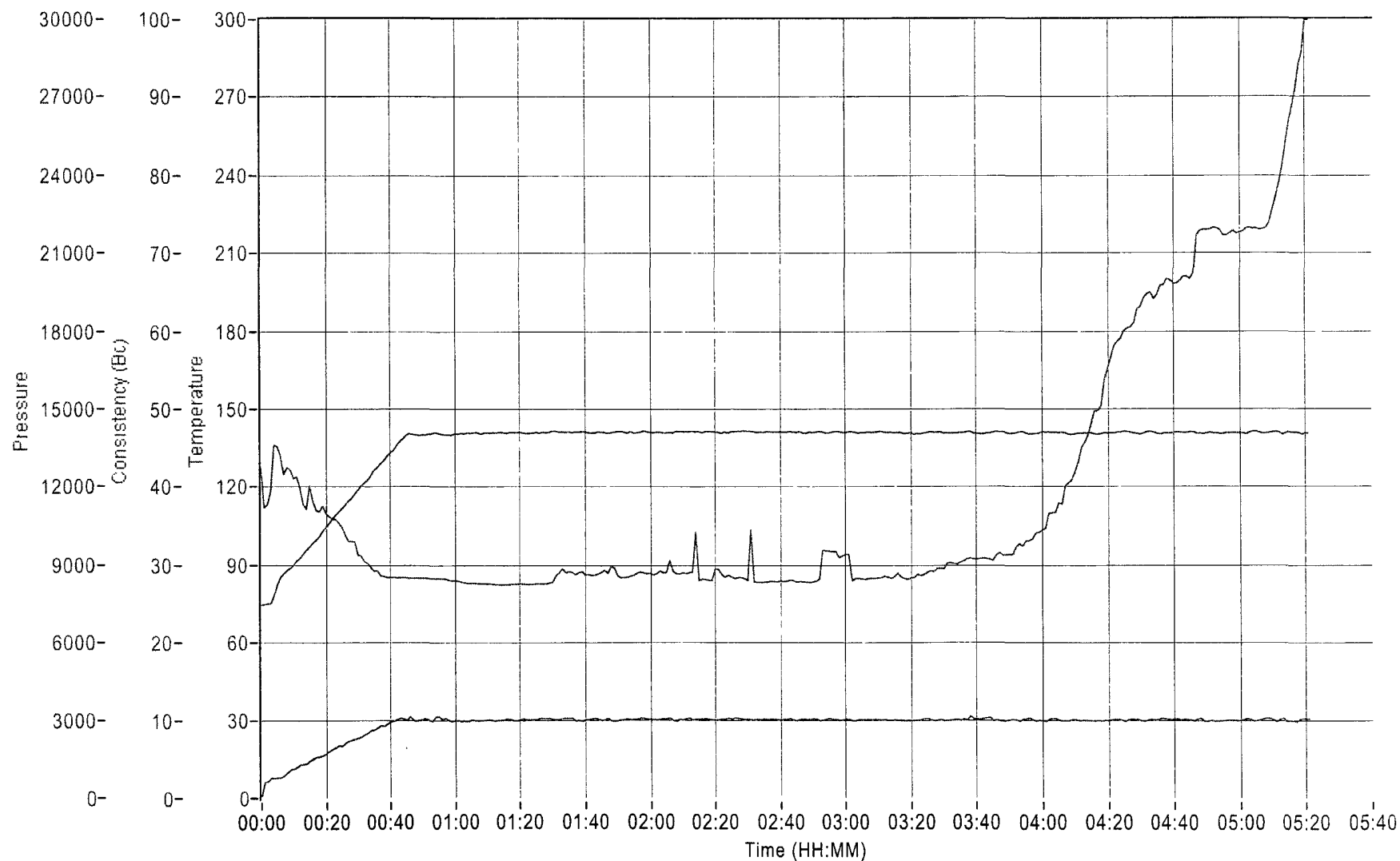
Test Start: 6/17/2009 11:07 AM

Rig: BJ Pilot - Longstring Slurry Design

Alarm3: 100 Bc in 5:21:00



Cement: Type III Cement + 42% LW-6, 1% SMS, 2% FL-52, 0.2% CD-32





Drilling Specialties ConDS2

Customer: ConocoPhillips

Alarm1: 44 Bc in 0:00:00

File Name: 023090616A.ctc

Field/Well: San Juan Business Unit

Alarm2: 70 Bc in 5:18:40

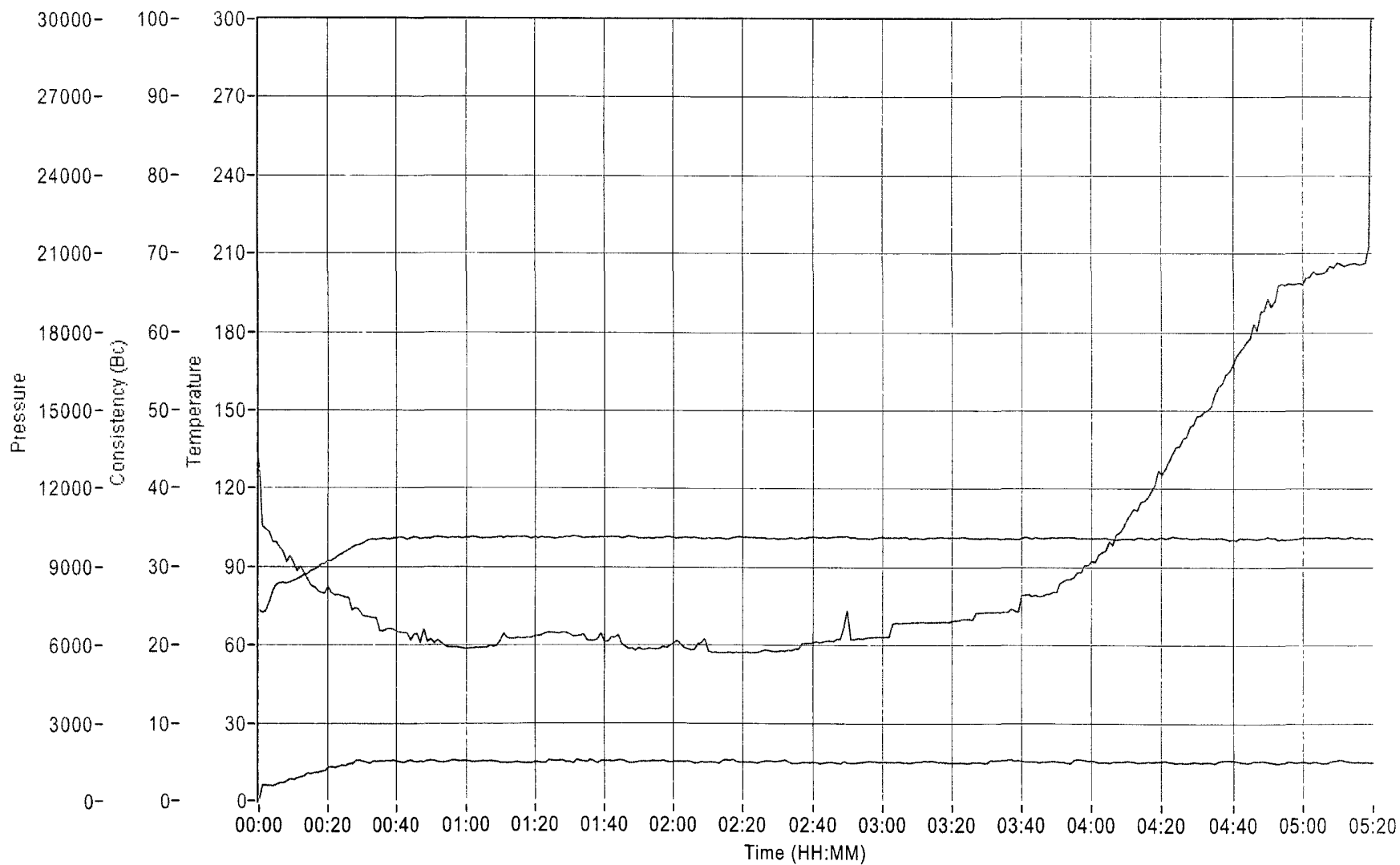
Test Start: 6/16/2009 12:13 PM

Rig: BJ Pilot - Intermediate Slurry Design

Alarm3: 116 Bc in 5:19:10



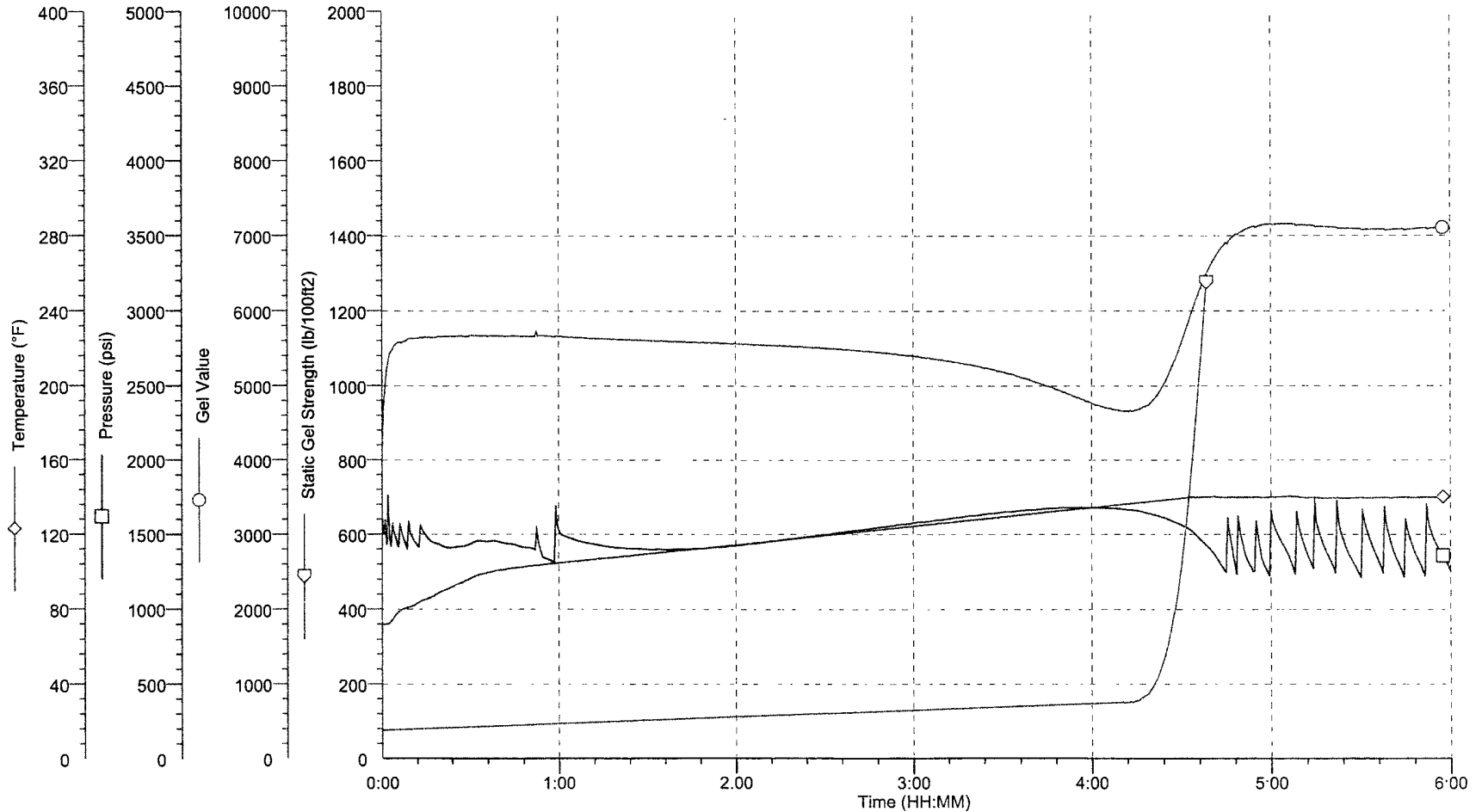
Cement: Type III cement + 40% LW6, 2% SMS, 1.2% FL52, 0.3% CD32



Instrument: SGSA 12 SGSA 2
Algorithm: Compressive strength type A (less than 14 lb/gal)
Comments:

Test Start: 6/16/2009 4:39:35 PM
Algorithm: Static gel strength

Test Stop: 6/22/2009 7:44:58 AM
Compressive Strength = 500 psi @ 8:05:30 HH:MM
Compressive strength psi @ 12 hrs = 659 psi



Drilling Specialties Co.
Bartlesville, OK USA 74004
BJ MixBJ Blend

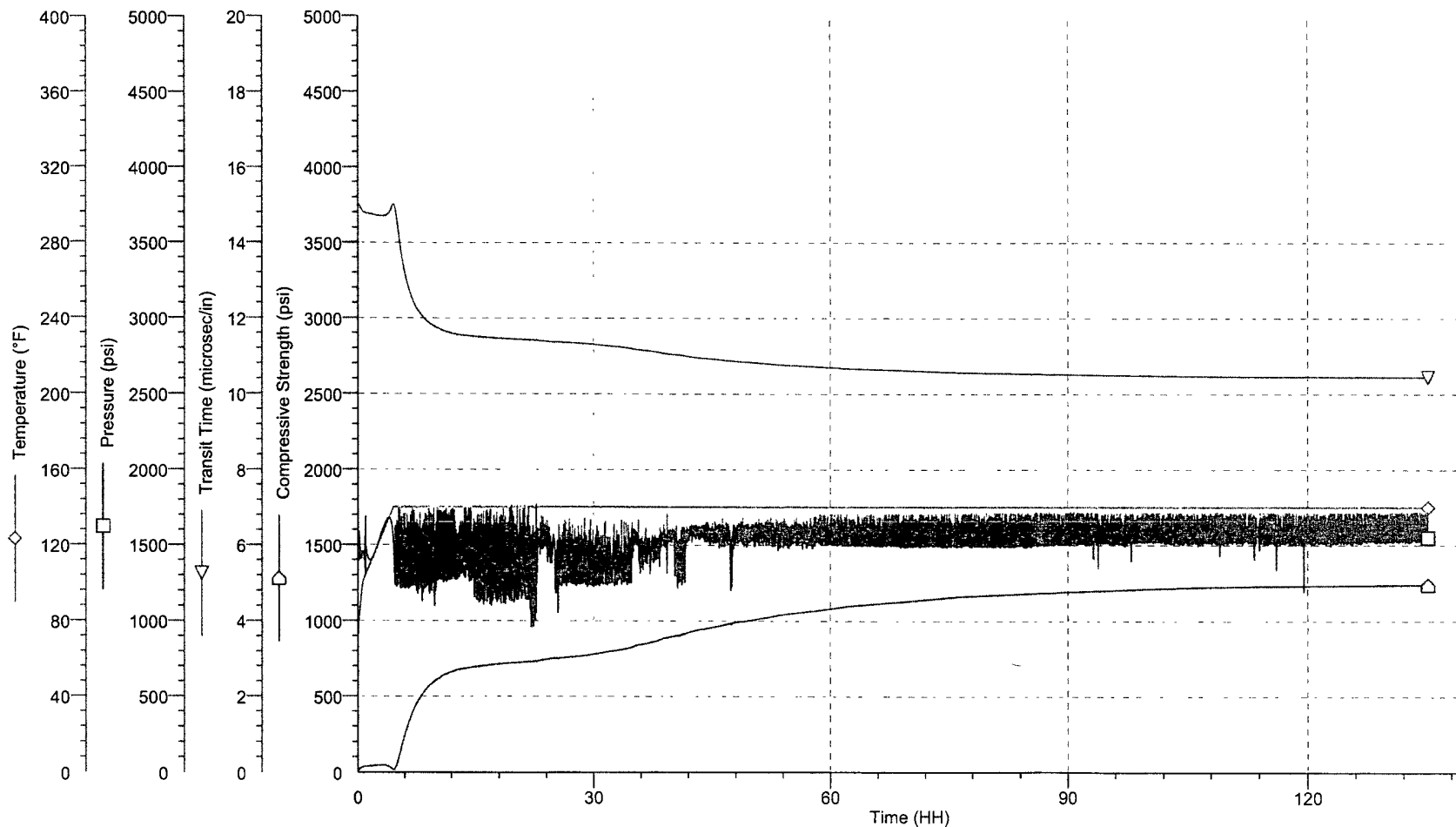
Test File Name: SGSA 12-090616A tst
Printed: 6/22/2009 11:14:21 AM
ConocoPhillips
Sanchez, Nestor; Mueller Dan

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Initial SGS (150 lbs/100 ft2) @ 4:10:00 HH:MM
Final SGS (1275 lbs/100 ft2) @ 4:38:30 HH:MM

Instrument: SGSA 12 SGSA 2
Algorithm: Compressive strength type A (less than 14 lb/gal)
Comments:

Test Start: 6/16/2009 4:39 35 PM
Algorithm: Static gel strength

Test Stop: 6/22/2009 7:44.58 AM
Compressive Strength = 500 psi @ 8 05 30 HH MM
Compressive strength psi @ 12 hrs = 659 psi



Drilling Specialties Co.

Bartlesville, OK USA 74004
BJ MixBJ Blend

Test File Name: SGSA 12-090616A.tst
Printed: 6/22/2009 11:16:41 AM
ConocoPhillips
Sanchez, Nestor; Mueller Dan

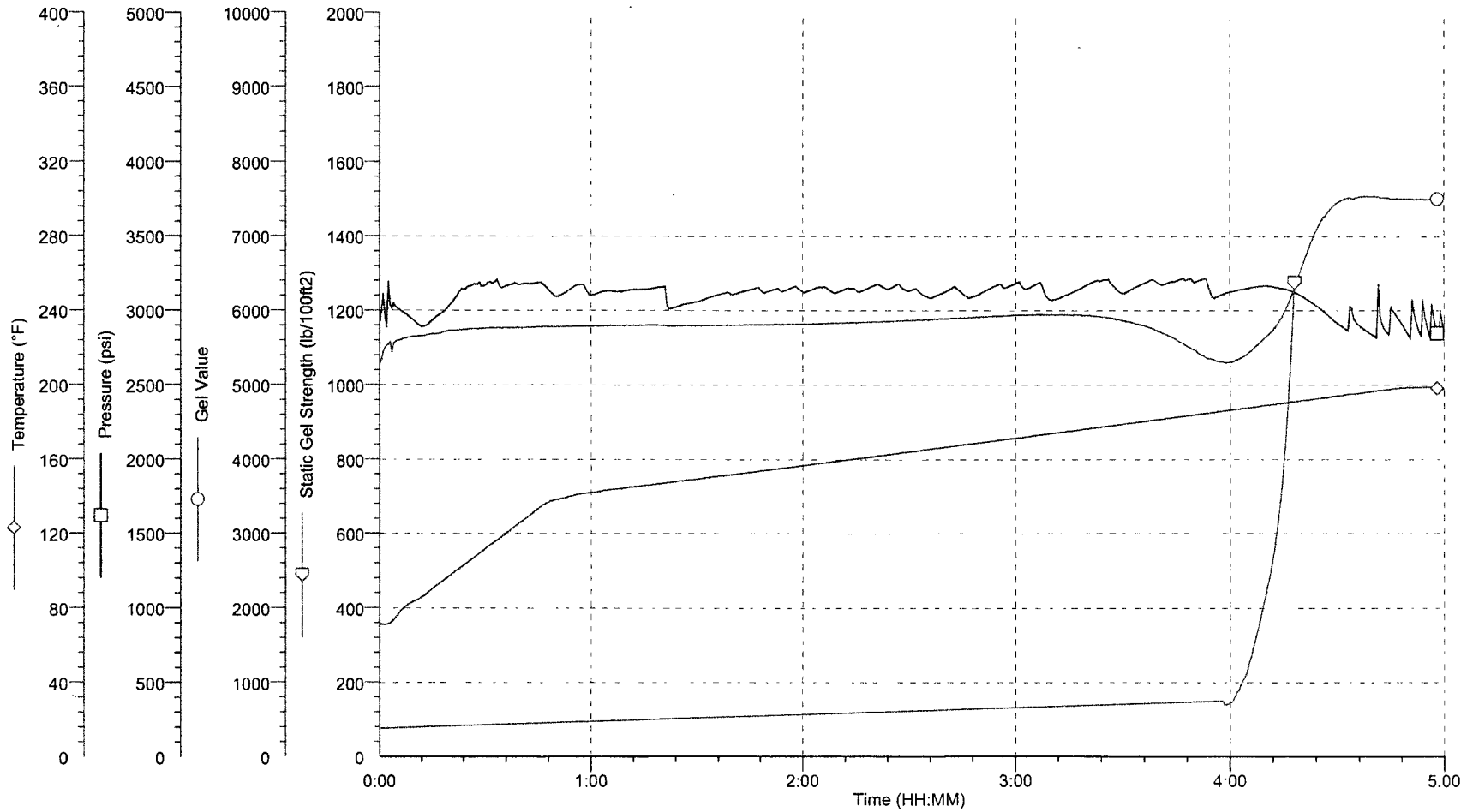
Page 1

Initial SGS (150 lbs/100 ft2) @ 4 10:00 HH MM
Final SGS (1275 lbs/100 ft2) @ 4.38.30 HH MM

Instrument. SGSA 13 SGSA 1
Algorithm. Compressive strength type A (less than 14 lb/gal)
Comments. Density after crushing at 4000 psi

Test Start. 6/16/2009 3 25 15 PM
Algorithm. Static gel strength

Test Stop. 6/22/2009 7 44 50 AM
Compressive Strength = 500 psi @ 5:36:00 HH.MM
Compressive strength psi @ 12 hrs = 959 psi



Drilling Specialties Co.
Bartlesville, OK USA 74004
BJ MixBJ Blend

Test File Name: SGSA 13-090616A tst
Printed: 6/22/2009 11:24.36 AM
ConocoPhillips
Sanchez, Nestor; Mueller Dan

Page 1
Initial SGS (150 lbs/100 ft2) @ 3:58:00 HH:MM
Final SGS (1275 lbs/100 ft2) @ 4:18:00 HH:MM