

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 23 2010

Sundry Notices and Reports on Wells

Farmington Field Office
Bureau of Land Management

1. Type of Well
GAS

5. Lease Number
SF-079304-A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

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

8. Well Name & Number
Sanchez A 2N

9. API Well No.

30-039-30954

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

Surface: Unit 1 (NESE), 1990' FSL & 1150' FEL, Section 20, T26N, R6W, NMPM

10. Field and Pool
Blanco MV / Basin DK

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 Inter. Casing
Depth & Slurry Design☐ Subsequent Report☐ Recompletion☐ New Construction☐ Plugging☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Final Abandonment☐ Altering Casing☐ Conversion to Injection

RCVD DEC 1 '10

OIL CONS. DIV.

13. Describe Proposed or Completed Operations

DIST. 3

Burlington Resources requests permission to change the Intermediate casing currently at 4738', TVD 150' below Menefee (Deep Set) to 3087', 100' below the Lewis. A Cliff House wet ability test with a humidity sensor will be run to verify the wet line is further north or south from this point. In order to be able to air drill and use the sensor we can not have casing across this section. ✓
New project proposal is attached.

We also request permission to run light slurry to help lift cement up to new casing point especially if we get wet and need to displace an additional mud column above the cement. (Mud would need to be N2 to 35% in that case & Yp increased and/or foam stabilized). Cementing Report attached. ✓

Note: In the event it we determine we don't need to run the light slurry we would run the regular slurry.

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

Signed

Dollie L. Busse

Dollie L. Busse

Title Staff Regulatory Technician

Date 11/22/10

(This space for Federal or State Office use)

APPROVED BY *Troy L. Salvors*Title *Petroleum Engineer*

Date 11/26/2010

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.

* CEMENT BOND MUST BE VERIFIED BY NMOC D PRIOR TO COMPLETION
IF CEMENT IS NOT CIRCULATED TO SURFACE.

NMOC D

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

PC

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SANCHEZ A 2N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9032		AFE \$: 1,445,709.60	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.470250		Longitude: -107.485670		X:	Y:
Footage X: 1150 FEL		Footage Y: 1990 FSL		Elevation: 6635 (FT)	Section: 20
				Township: 026N	Range: 006W
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6651 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)
Surface Casing	230	6421		☐	
					230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cu.ft. Circulate cement to surface.
NCMT	881	5770		☐	
OJO ALAMO	2225	4426		☐	
KIRTLAND	2388	4263		☐	
FRUITLAND	2510	4141		☐	Possible Gas
PICTURED CLIFFS	2901	3750		☐	
LEWIS	2987	3664		☐	
Intermediate Casing	3087	3564		☐	8-3/4" hole, 7" 20 ppf, J-55 STC casing. Cement with 836 cu.ft. Circulate cement to surface.
HUERFANITO BENTONITE	3319	3332		☐	
CHACRA	3767	2884		☐	
UPPER CLIFF HOUSE	4414	2237		☐	Est. Top Perf - 4415 (2235)
MASSIVE CLIFF HOUSE	4557	2094		☐	454
MENEFEE	4588	2063		☐	
POINT LOOKOUT	5135	1516		☐	GAS
MANCOS	5461	1190		☐	
UPPER GALLUP	6215	436		☐	
GREENHORN	7053	-402		☐	
GRANEROS	7109	-458		☐	
TWO WELLS	7168	-517		☐	2696 Gas
PAGUATE	7218	-567		☐	
UPPER CUBERO	7253	-602		☐	
LOWER CUBERO	7285	-634		☐	
OAK CANYON	7328	-677		☐	
ENCINAL	7355	-704		☐	Est. Btm Perf 20' above the top of Encinal.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SANCHEZ A 2N

DEVELOPMENT

Total Depth	7355	-704	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80 LTC casing. Cement with 633 cuft. Circulate cement to 100' inside previous casing string.
BURRO CANYON	7407	-756	☐	TD = T/ENCN. Burro looks wet deep
MORRISON	7499	-848	☐	

Reference Wells:

Reference Type	Well Name	Comments
Production	Kaime 2	26N 6W 20 SW NE NE
Production	Scott Federal 5	26N 6W 21 NE SW SW
Production	Sanchez A 3	26N 6W 20 NE SW SE
Production	Sanchez A 2M	26N 6W 20 NW SE SW

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Mudlog from 100' above top of Gallup to TD - mudlogger will call TD.

Mudlog to determine if gas show warrants completion in Encinal.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------



Farmington, New Mexico District Laboratory
3250 Southside River Road
Farmington, New Mexico 87401
Phone (505) 327-6222
Fax (505) 327-5768

Farmington, New Mexico District Laboratory
CEMENTING REPORT

Prepared for:
CONOCO PHILLIPS
LIGHT WEIGHT SLURRY
SAN JUAN COUNTY, NEW MEXICO
Region Lab #
INTERMEDIATE LW6

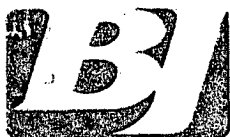
Farmington, New Mexico District Laboratory
3250 Southside River Road
Farmington, New Mexico 87401
Phone (505) 327-6222

ANALYST: RON VALDEZ

BJ SERVICES TECHNICAL REPRESENTATIVE
TOM HILB

Submitted by: TOM HILB

May 26, 2009



BJ Services Farmington, New Mexico District Laboratory Report

Report #: 0

Customer/Well Information

Company: CONOCO PHILLIPS Depth MD: Date: May 26, 2009
 Well Name: LIGHT WEIGHT SLURRY Depth TVD: Prepared for: TOM HILB
 API #: 00-000-00000 TOC(md): Submitted by: TOM HILB
 Location: SAN JUAN COUNTY, NEW MEXICO Casing Size: Prepared by: RON VALDEZ
 District: FARMINGTON Tubing Size: Water Type: MUNICIPALE
 Type Job: INTERMEDIATE LW6 Hole size:

BHST: 100 °F BHCT: 140 °F BHSqT:

Slurry Design Data

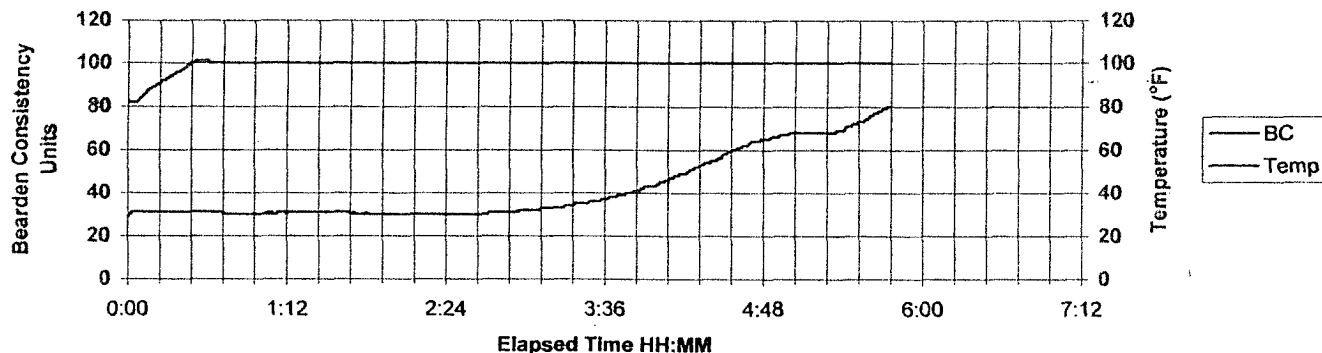
TYPE III+40%LW6+2%SMS+1.2%FL52+.3%CD32

Slurry Properties

Density: 10.7 ppg Fluid Loss: 40 cc/30min Test Temp: 100 °F
 Yield: 3.00 cf/sack Free Water: 0mls Time to 70bc: 5:25 hrs:min
 Mix Water: 12.57 gps Total Fluid: Time to 100 bc:

Rheology:	600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm	PV	YP	Gel Strength	
@80 °F	300	259	187	121	56	55	205	56	10 sec	10 min

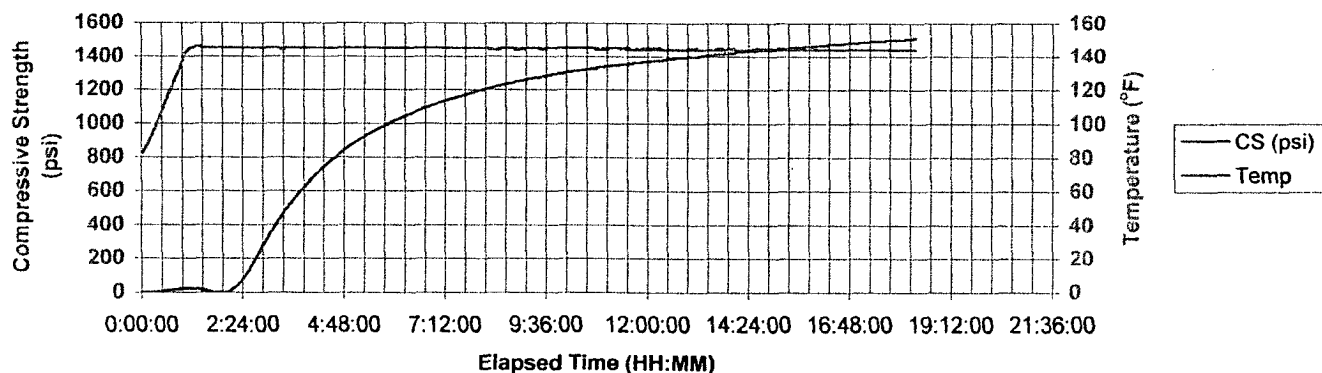
Consistometer Recording of Bearden Consistency



Compressive Strength Data

Temperature	2:12 hrs:min	12 hours	24 hours	36 hours	48 hours
@144 °F	25 psi	1367 psi	1509 psi	1509 psi	1509 psi

Ultrasonic Cement Analyzer Data Chart



Notice: This report is presented in good faith based upon present day technology and information provided; but because of variable conditions and other information which must be relied upon, BJ Services makes no warranty, express or implied, as to the accuracy of the data or of any calculations or opinions expressed herein. You agree that BJ Services shall not be liable for any loss or damage, whether due to negligence or otherwise, arising out of or in connection with such data.

Cement Calculation Worksheet

Slurry Density		10.70		600		Project#	
Yield (cu ft/sk)		2.995		Slurry SG		1.283	
Total Fluid (gps)		12.573		Total Fluid %		111.554	
Cement Brand:				Grams		Mix H2O Ab. Vol.	
Cement Mix H2O		Cement:		Type III		301.81	
GPS		12.573		Poz:		0.00	
%		111.554		Slag/Other:		0.00	
				301.81		COMMENTS Solids Liquids Abs.Vol Ratio% (gal/sx) BHST: BHCT: Grams Volume 131.2883 9.8338 12.5728 127.85	
%NACL:		By weight of water		0.00			
%KCL:		By weight of water		0.00			
gal/sk		Add #		Additive			
		1		LW-6:0.75SG			
		2		SMS			
		3		FL-52			
		4		CD-32			
		5		0.00			
		6		0.00			
		7		0.00			
		8		0.00			
		9		0.00			
		10		0.00			
		11		0.00			
		12		0.00			
Fresh H2O:				336.68			

Slurry Information

Thickening Time:				Rheologies			
Temperature (°F)				RPM		°F	
Ramp (hrs:mins)				300			
Pressure (psi)				200			
Free H2O (mls)				100			
Temperature (°F)				6			
Angle (°deviation)				3			
FL Temp °F				600			
SFL Temp °F				Gel Str @		°F	
Ramp hrs:mins				10 sec			
1:		Blow Out Values		10 min			
4:		min:sec		100lbs/ft ²		hrs:mins	
9:				500lbs/ft ²		hrs:mins	
16:		Gas Model		Settling@		°F	
25:		Temp °F		Top		Densities lb/gal	
30:		Pass / Fail				Bottom	
UCA / Compressive Strength @				°F		Pressure (psi)	
50psi:		hrs:mins		Final Time:		Final Strength:	
500psi:		hrs:mins		Comments			
8 hr:		psi					
12 hr:		psi					
24 hr:		psi					
48 hr:		psi					
72 hr:		psi		Revision: April 2005			



BJ SERVICES

Farmington, New Mexico District Laboratory
3250 Southside River Road
Farmington, New Mexico 87401
Phone (505) 327-6222
Fax (505) 327-5766

Farmington, New Mexico District Laboratory
CEMENTING REPORT

Prepared for:
CONOCO PHILLIPS
LIGHT WEIGHT SLURRY
SAN JUAN COUNTY, NEW MEXICO
Region Lab #
LONG STRING

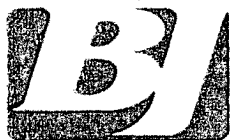
Farmington, New Mexico District Laboratory
3250 Southside River Road
Farmington, New Mexico 87401
Phone (505) 327-6222

ANALYST: RON VALDEZ

BJ SERVICES TECHNICAL REPRESENTATIVE
TOM HILB

Submitted by: TOM HILB

May 26, 2009



BJ Services Farmington, New Mexico District Laboratory Report

Report #: 0

Customer/Well Information

Company: CONOCO PHILLIPS	Depth MD:	Date: May 26, 2009
Well Name: LIGHT WEIGHT SLURRY	Depth TVD:	Prepared for: TOM HILB
API #: 00-000-00000	TOC(md):	Submitted by: TOM HILB
Location: SAN JUAN COUNTY, NEW MEXICO	Casing Size:	Prepared by: RON VALDEZ
District: FARMINGTON	Tubing Size:	Water Type: MUNICIPALE
Type Job: LONG STRING	Hole size:	

BHST: 140 °F BHCT: 200 °F BHSqT:

Slurry Design Data

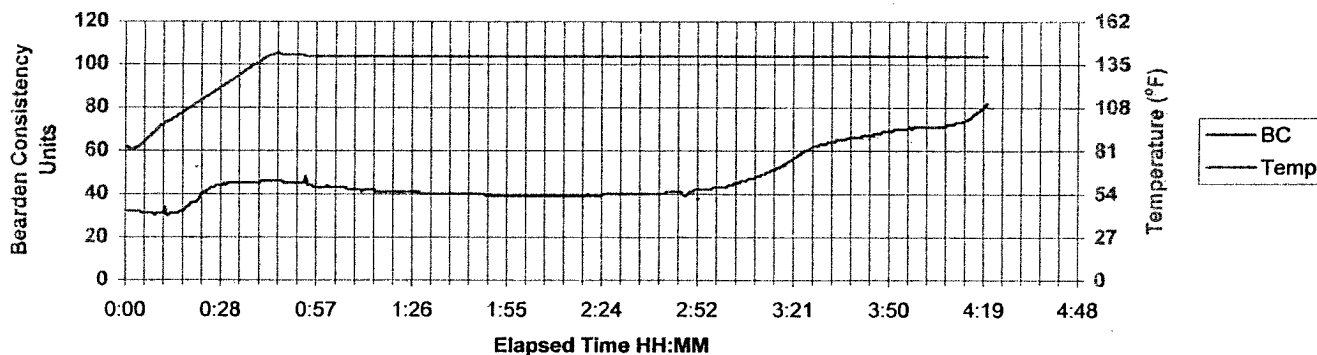
TYPE III+42%LW6+1%SMS+2%FL52+.2%CD32

Slurry Properties

Density: 10.6 ppg	Fluid Loss: 25 ml	Test Temp: 140 °F
Yield: 3.07 cf/sack	Free Water: 0 mls	Time to 70bc: 3:52 hrs:min
Mix Water: 12.84 gps	Total Fluid:	Time to 100 bc:

Rheology:	600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm	PV	YP	Gel Strength	
@80 °F	300	300	300	250	40	28	288	70	10 sec	10 min
									28	47

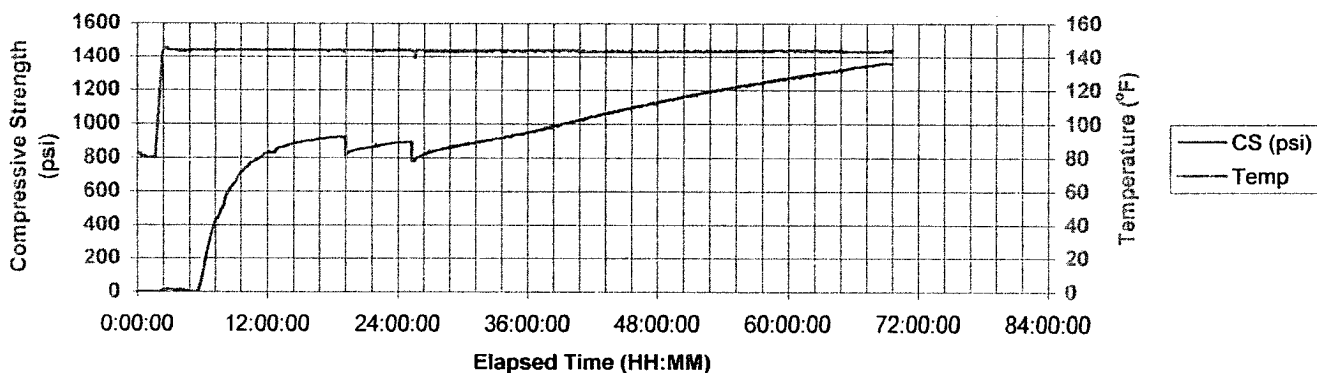
Consistometer Recording of Bearden Consistency



Compressive Strength Data

Temperature	5:44 hrs:min	12 hours	24 hours	36 hours	48 hours
@142 °F	25 psi	828 psi	888 psi	951 psi	1123 psi

Ultrasonic Cement Analyzer Data Chart



Notice: This report is presented in good faith based upon present day technology and information provided: but because of variable conditions and other information which must be relied upon, BJ Services makes no warranty, express or implied, as to the accuracy of the data or of any calculations or opinions expressed herein. You agree that BJ Services shall not be liable for any loss or damage, whether due to negligence or otherwise, arising out of or in connection with such data,

6/1/2009
2:31 PM

Cement Calculation Worksheet

Slurry Density	10.60			600	Project#		
Yield (cu ft/sk)	3.072			Slurry SG	1.271	SMF%	56.03
Total Fluid (gps)	12.843			Total Fluid %	113.955	LVF%	55.8862
Cement Brand:				Grams	Mix H2O Ab. Vol.	Desired Mix H2O	
Cement Mix H2O		Cement:	Type III	294.26	Fresh	0.1199	Ab. Vol.
GPS	12.843	Poz:		0.00	Sea	0.1169	0.1199
%	113.955	Slag/Other:		0.00	COMMENTS		
				294.26			
%NACL:		By weight of water		0.00	Solids	Grams	Volume
%KCL:		By weight of water		0.00		133.0057	10.1383
	gal/sk	Add #	Additive	Grams	Liquids	12.8434	
42		1	LW-6:0.75SG	123.59	Abs.Vol Ratio% (gal/sx)	126.68	
1		2	SMS	2.94			
2		3	FL-52	5.89			
0.2		4	CD-32	0.59			
		5		0.00			
		6		0.00			
		7		0.00			
		8		0.00			
		9		0.00			
		10		0.00			
		11		0.00			
		12		0.00			
Fresh H2O:				335.32	BHST:		
					BHCT:		

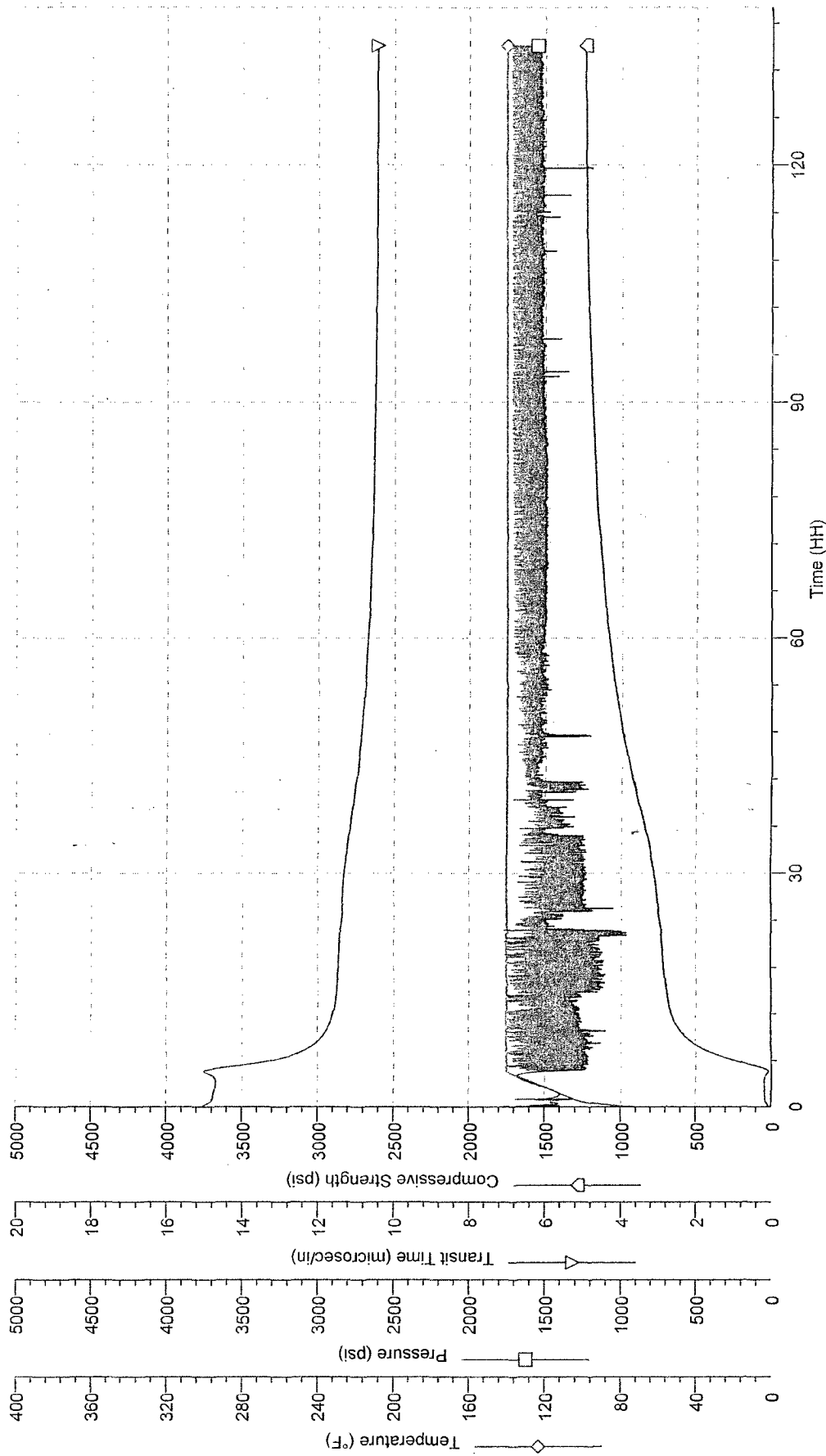
Slurry Information

Thickening Time:			Rheologies			
Temperature (°F)			RPM		°F	°F
Ramp (hrs:mins)			300			
Pressure (psi)			200			
Free H2O (mls)			100			
Temperature (°F)			6			
Angle (°deviation)			3			
FL Temp °F		Fluid Loss	600			
SFL Temp °F		cc's/30mins:	Gel Str @		°F	°F
Ramp hrs:mins			10 sec			
1:		Blow Out Values	10 min			
4:		min:sec	100lbs/ft ²		hrs:mins	hrs:mins
9:		cc's	500lbs/ft ²		hrs:mins	hrs:mins
16:		Gas Model	Settling@		°F	Press
25:		Temp °F	Top		Densities lb/gal	Bottom
30:		Pass / Fail				
UCA / Compressive Strength @			°F		Pressure (psi)	
50psi:	hrs:mins	Final Time:		Final Strength:		
500psi:	hrs:mins	Comments				
8 hr:	psi					
12 hr:	psi					
24 hr:	psi					
48 hr:	psi					
72 hr:	psi	Revision: April 2005				

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

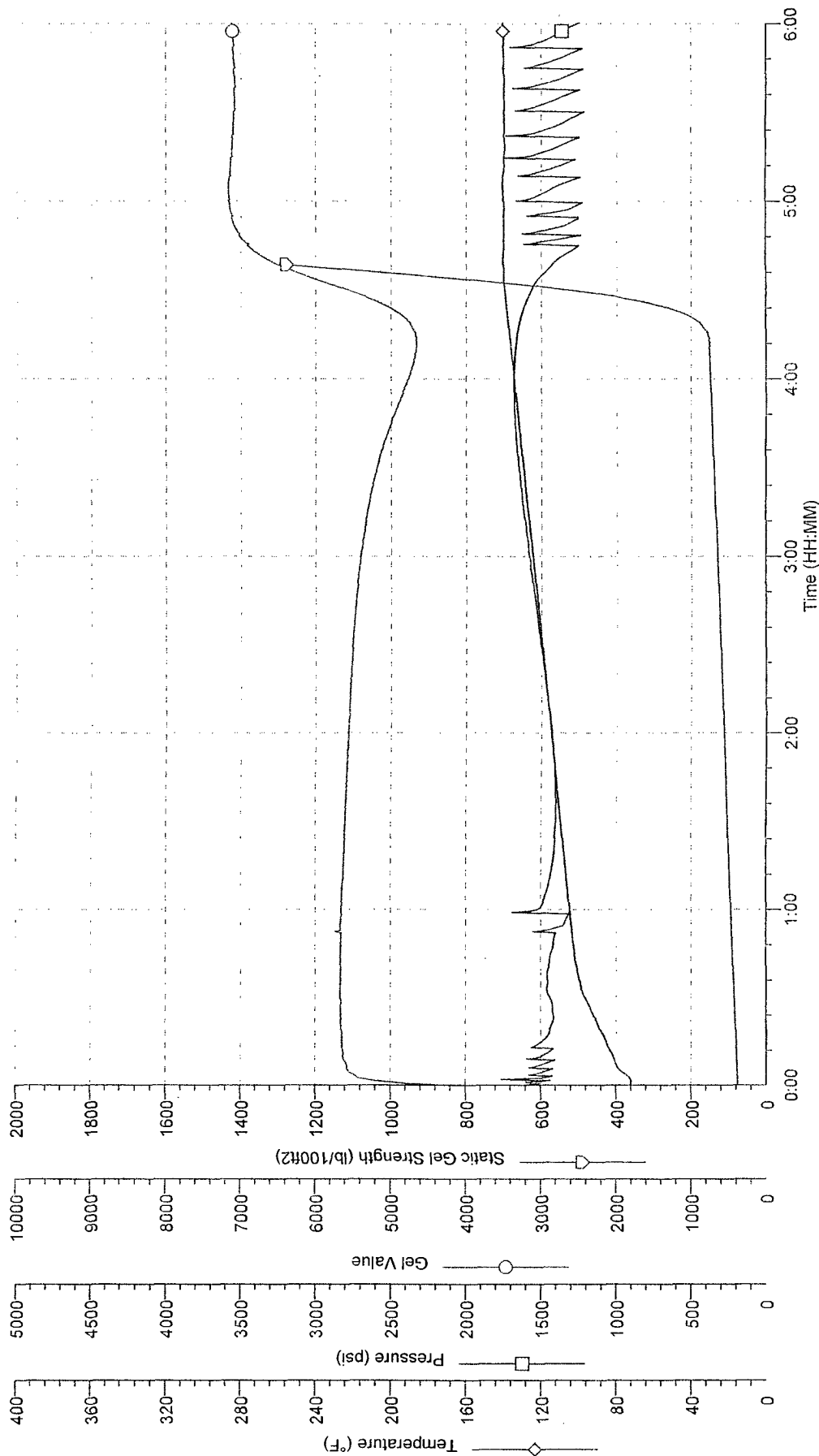
Test File Name: SGSA 12-090616A.tst
 Printed: 6/22/2009 11:16:41 AM
 ConocoPhillips
 Sanchez, Nestor; Mueller Dan

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 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

Page 1

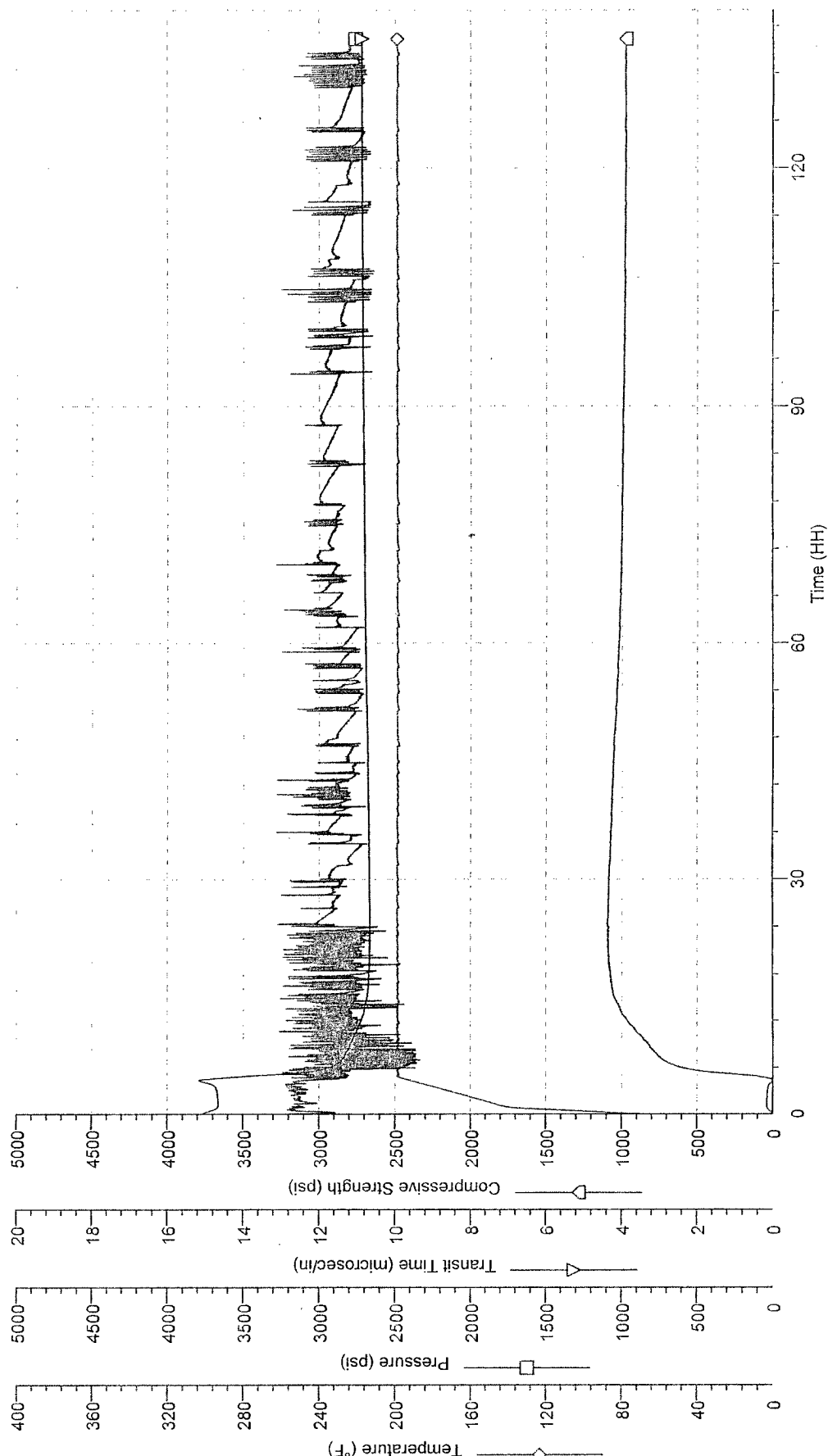
Initial SGS (150 lbs/100 ft2) @ 4:10:00 HH:MM

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 13-090816A.tst

Printed: 6/22/2009 11:23:05 AM

ConocoPhillips

Sanchez, Nestor; Mueller Dan

Page 1

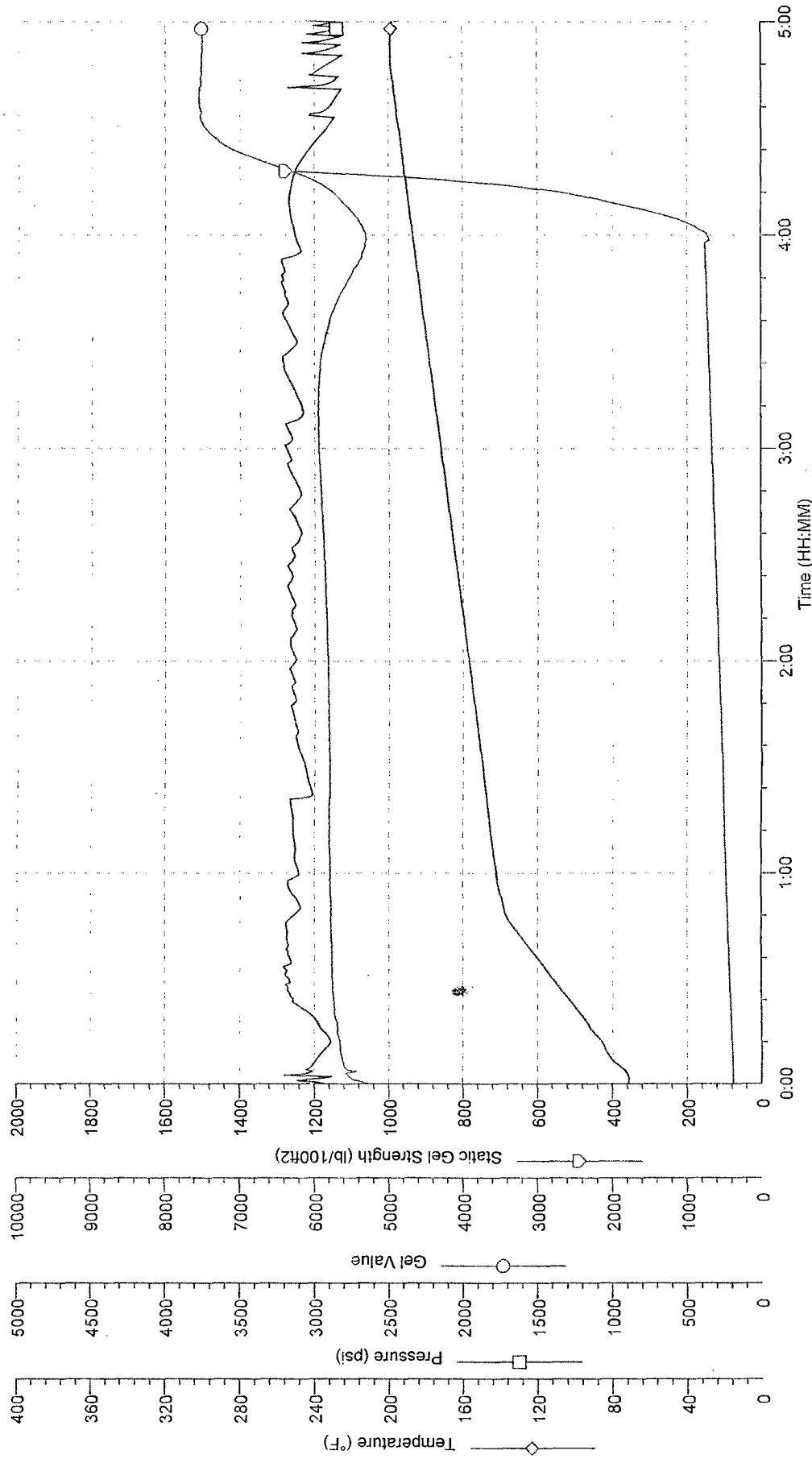
Initial SGS (150 lbs/100 ft2) @ 3:58:00 HH:MM

Final SGS (1275 lbs/100 ft2) @ 4:18:00 HH:MM

Instrument: SGSA 13
 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