

30-045-33468

Weatherford				Fracturing Technologies				TREATMENT REPORT						
Operator Maralex Resources / Pro NM				Service Order No.: 0		Date: January 9, 2008								
Lease Fruitland Coal		Well No. Gracia Federal 181 # 1S 1		Stage 3,000		Maximum Pressure 3,000		Customer PO No.: 0		Page: 1 of 2				
County San Juan		State NM		Legal SEC188T26NR11W		Previous Treatment:								
BHT, °F 86	BHP, psi 438	Hole Angle 0	Wellbore Fluid 2% KCL	Formation Fruitland Coal	Top, MD 1339'	Bottom, MD 1355'	Perfs 16	Size, in. 0.34						
Field Representative Dennis Reimers		Phone Number (970) 799-1638		Mobile Number -		0		0'	0'	0	0			
Service Location Farmington		Phone Number (505) 327-9329		Fax Number (505) 564-2813		0		0'	0'	0	0			
Service Supervisor f - Fitz, John		Field Engineer 1/0/1900		Fluid Technician 0		Mechanic 0		Special Notes						
TUBULAR DATA														
	Size	WT (#/ft)	Grade	Top	Bottom	Capacities								
Casing	4.5	10.5 #/ft		0	1355	21.4 bbls								
0				0	0	#VALUE! bbls								
0				0	0	#VALUE! bbls								
0				0	0	#VALUE! bbls								
0				0	0	#VALUE! bbls								
PACKER ASSEMBLY														
Description	Depth	Length	OD (in)	ID (in)	Pressure Rating									
0	0			0.000	0									
FLUID AND PROPPANT DESCRIPTION														
Fluid in Tanks:	f - Jim, Ramon	Before:		bbls	After:	bbls	Fluid Additives							
					Fluid Used:	72 bbls	Gel	0	Acid	Pad	S.L.	FL	Oth	
							WFR-55LA	0						gpt
Acid	7 12% HCL				Amount:	5 bbls	WNE-341LN	0						gpt
							Add 3	0						gpt
Pad Fluid:					Amount:	bbls	Add 4	0						gpt
Sand Laden:					Amount:	bbls	Add 5	0						gpt
Flush:	PRODUCED H2O				Amount:	41 bbls	Add 6	0						gpt
Other:	12:3 MUD ACID				Amount:	18 scfm	Add 7	0						gpt
							Dry 1	0						ppt
Proppant 1					Amount:	lbs	Dry 2	0						ppt
Proppant 2					Amount:	lbs								
Proppant 3					Amount:	lbs								
Diverter					Amount:									
Proposed Treatment														
Treatment Summary Continued Below														



TREATMENT REPORT

Operator

Maralex Resources

Service Order No.: 0

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Purchase Order No.: 0

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Loose
Fruittand Coal

Well No.	Stage
Gracia Federal 181 # 1S	1

Treatment Summary

Fluid to recover:	72	bbls	Average Rate:	5.0	bpm	Avg Treating Pressure:	500	psi
Proppant:		lbs	Rate on Pad:		bpm	Pressure on Pad:		psi
			Rate on Sand:		bpm	Pressure on Sand:		psi
MAX Pressure Enc.:		psi	Rate on Flush:	5	bpm	Pressure on Flush:	570	psi
Final FG:		psi/ft				Final ISIP:	180	psi
Net Pressure Increase:		psi	Flush Density:		lb/gal	5 min ISIP:	VAC	psi
						10 min ISIP:	0	psi
						15 min ISIP:	0	psi

Log Name: Unknown

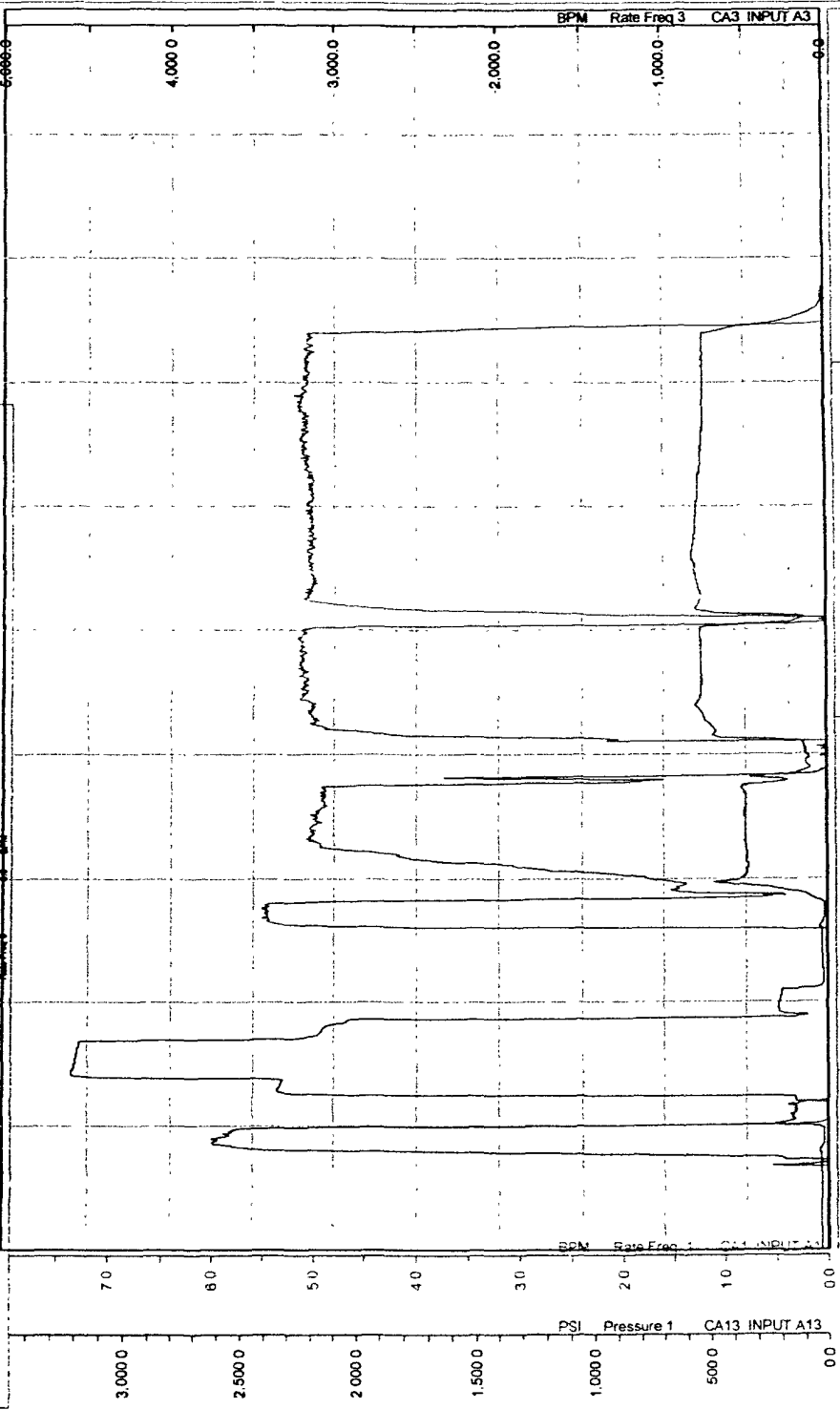
Start Time: Wednesday, January 09, 2008 11:00:32 AM

File Name: 000108_110332.odt

Stop Time: Unknown

WELL NAME: GUNCA FEDERAL 181916 CUSTOMER: MAXIMILIAN TREATER / JITE DATE: 1-9-08 MAG: 400 SHOT

Rate Freq 1	0.0	SPD
Pressure 1	10.4	PSI
Pump Pressure	-44.2	PSI
Pump Input A13	318	BPM
Pump Input A3	0.0	SPD



Channel	Tag	Description	Units	Min	Max
CA1	INPUT A1	Rate Freq 1	SPD	0.0	8.0
CA13	INPUT A13	Pressure 1	PSI	0.0	3,000.0
CA3	INPUT A3	Pump Pressure	PSI	0.0	8,000.0

**Weatherford**

Fracturing Technologies

TREATMENT REPORT

Operator

Maralex Resource

Service Order No.: 0

Date: January 21, 2008

Customer PO No.: 0

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Lease	Well No.	Stage	Maximum Pressure
Fruitland Coal	Gracia Federal 181 #1S	1	4,000

County	State	Legal
San Juan	NM	0

Previous Treatment:

BHT, °F	BHP, psi	Hole Angle	Wellbore Fluid	Formation	Top, MD	Bottom, MD	Perfs	Size, in.
84 / 83	853 / 972	0	2% KCL	Fruitland Coal	1301 '	1317 '	30	0.34
Field Representative				0	0'	0'	0	0
Dennis Reimers				0	0'	0'	0	0
Service Location				0	0'	0'	0	0
Farmington				0	0'	0'	0	0

Service Supervisor	Field Engineer	Fluid Technician	Mechanic
f - Duncan, Victor	f - Quintana, Paul	f - Atencio, Robert	f - Murdock, Manuel

Special Notes**TUBULAR DATA**

	Size	Wt (#/ft)	Grade	Top	Bottom	Capacities
Casing	5.5	15.5 #/ft		0	2244	31.0 bbls
0				0	0	#VALUE! bbls
0				0	0	#VALUE! bbls
0				0	0	#VALUE! bbls
0				0	0	#VALUE! bbls

PACKER ASSEMBLY

Description	Depth	Length	OD (in)	ID (in)	Pressure Rating
0	0			0.000	0

FLUID AND PROPPANT DESCRIPTION**Fluid Additives**

Fluid in Tanks.	2 % KCl	Before:	3,040 bbls	After:	1,780 bbls	Acid	Pad	S.L	FL	Oth
				Fluid Used:	1,260 bbls	Gel	0			
						WFR-55LA	0			
Acid				Amount:	bbls	WNE-341LN	0			
						Add 3	0			
Pad Fluid:	DYNAFRAC 25			Amount:	447 bbls	Add 4	0			
Sand Laden:	DYNAFRAC 20			Amount:	791 bbls	Add 5	0			
Flush:	AQUAVIS			Amount:	20 bbls	Add 6	0			
Other				Amount:	scfm	Add 7	0			
						Dry 1	0			
Proppant 1	20/40 BASF			Amount:	85,000 lbs	Dry 2	0'			
Proppant 2				Amount:	lbs					
Proppant 3				Amount:	lbs					
Overter				Amount:						
Proposed Treatment										

Treatment Summary Continued Below

**Weatherford**

Fracturing Technologies

TREATMENT REPORT

(Continued)

Operator

Maralex Resource

Service Order No.: 0

Date: January 21, 2008

Purchase Order No. 0

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Lease
Fruitland CoalWell No.
Gracia Federal 181 #1SStage
1**Treatment Summary**

Time	Pressure 1 (PSI)	Suction Rate ADC1 (BBL/min)	Discharge Rate (BBL/min)	Discharge Total (BBL)	Measured Density (PPA)	All Sand Total ADC1 (lbs)	N2 Inline Total (SCF)	N2 Inline Turb Rate (SCFM)	Prop Total (PPA) (LBS)	Event Tag
6:15:00										ON LOC
6:30:00										SPOTTING TRUCKS
6:45:00										RIG UP
8:00:00										DONE RIG UP
8:15:00										LOOP TEST
8:20:00										DONE LOOP TEST
8:32:00										PRIME UP
8:40:00										PRESURE TEST 5000 PSI
8:42:00										PRESURE GOOD
8:50:00										SAFETY MEETING
9:04:00										OPEN WELL HEAD 85 PSI
9:06:00										START JOB
9:07:00	0	18	18	0	0	0	0	0	0	LOAD HOLE 5 BBL
9:09:00	512	9.8	10	39	0	0	0	0	0	10 BBLS
9:12:00	1232	29.9	30	67	0	0	0	0	0	30 BBLS
9:13:00	1397	34.8	35	102	0	0	0	0	0	35 BBLS
9:13:00	1518	34.8	35	123	0	0	0	0	0	PAD
9:28:00	1530	35	35	142	0	0	0	0	0	STAGE 1 POUND
9:31:00	1432	33.5	35	589	1	7266	0	0	7266	20 POUND GELL
9:33:00	1280	33.5	35	770	1	7266	0	0	7266	STAGE 2 POUND
9:39:00	1130	36.7	35	973	2	22890	0	0	22890	STAGE 3 POUND
9:41:00	1585	35.2	40	1154	3	43050	0	0	43050	STAGE 4 POUND
9:42:00	1400	33.9	40	1234	4	54474	0	0	54474	STAGE 5 POUND
9:46:00	1148	32.6	40	1296	5	64974	0	0	64974	STAGE 6 POUND
9:48:00	1111	31.5	40	1380	6	81606	0	0	81606	FLUSH
9:50:00	1000	20	20	1400	0	0	0	0	0	SHUT DOWN
9:51:00	650	0	0	0	0	0	0	0	0	5 MIN ISIP
9:56:00	608	0	0	0	0	0	0	0	0	10 MIN ISIP
10:01:00	581	0	0	0	0	0	0	0	0	15 MIN ISIP
10:06:00	0	0	0	0	0	0	0	0	0	WAIT ON WIRELINE
10:43:00	0	0	0	0	0	0	0	0	0	WIRELINE ON LOCATION

Fluid to recover: 1,331 bbls
Proppant: 85,000 lbs

MAX Pressure Enc.: 1,754 psi
Final FG: 0.74 psi/ft
Net Pressure Increase: 1,460 psi

Average Rate: 37.0 bpm
Rate on Pad: 35.0 bpm
Rate on Sand: 35 bpm
Rate on Flush: 20 bpm

Flush Density: 8.43 lb/gal

Avg Treating Pressure: 1,269 psi
Pressure on Pad: 1,518 psi
Pressure on Sand: 1,580 psi
Pressure on Flush: 1,000 psi
Final ISIP: 688 psi
5 min ISIP: 608 psi
10 min ISIP: 581 psi
15 min ISIP: 551 psi



Weatherford™

EXECUTIVE SUMMARY

Weatherford Fracturing Technologies provided the following Fracture Stimulation treatment on with the following results for:

January 21, 2008

Company:	Maralex Resources	
Well:	Gracia Federal 18l #S	
County	San Juan	
State	NM	
Sec. / Twp. / Rng.		
Stage	1	
Formation:	Fruitland Coal	
Top Perf:	2,170 ft	
Bottom Perf:	2,244 ft	
Fluid System:	DynaFrac/AquaVis	
Base Fluid:	6.25 lb/gal	
Breakers:	WBK-132 (Enzyme) WBK-133 (Persulfate)	
Avg. Rate:	32.4 bpm	
Avg. Pressure:	1,269 psi	
Max Rate:	40.2 bpm	
Max Pressure:	1,754 psi	
Avg. HP	1,008 HP	
Max HP:	1,728 HP	
Total Clean	55,902 gal	1331 bbls
Total Slurry	60,018 gal	1429 bbls
Total Proppant in Formation:	85,000 lb	
Total Proppant Pumped:	85,000 lb	BASF
Final ISIP:	688 psi	
Final Frac Gradient:	0.74 psi/ft	

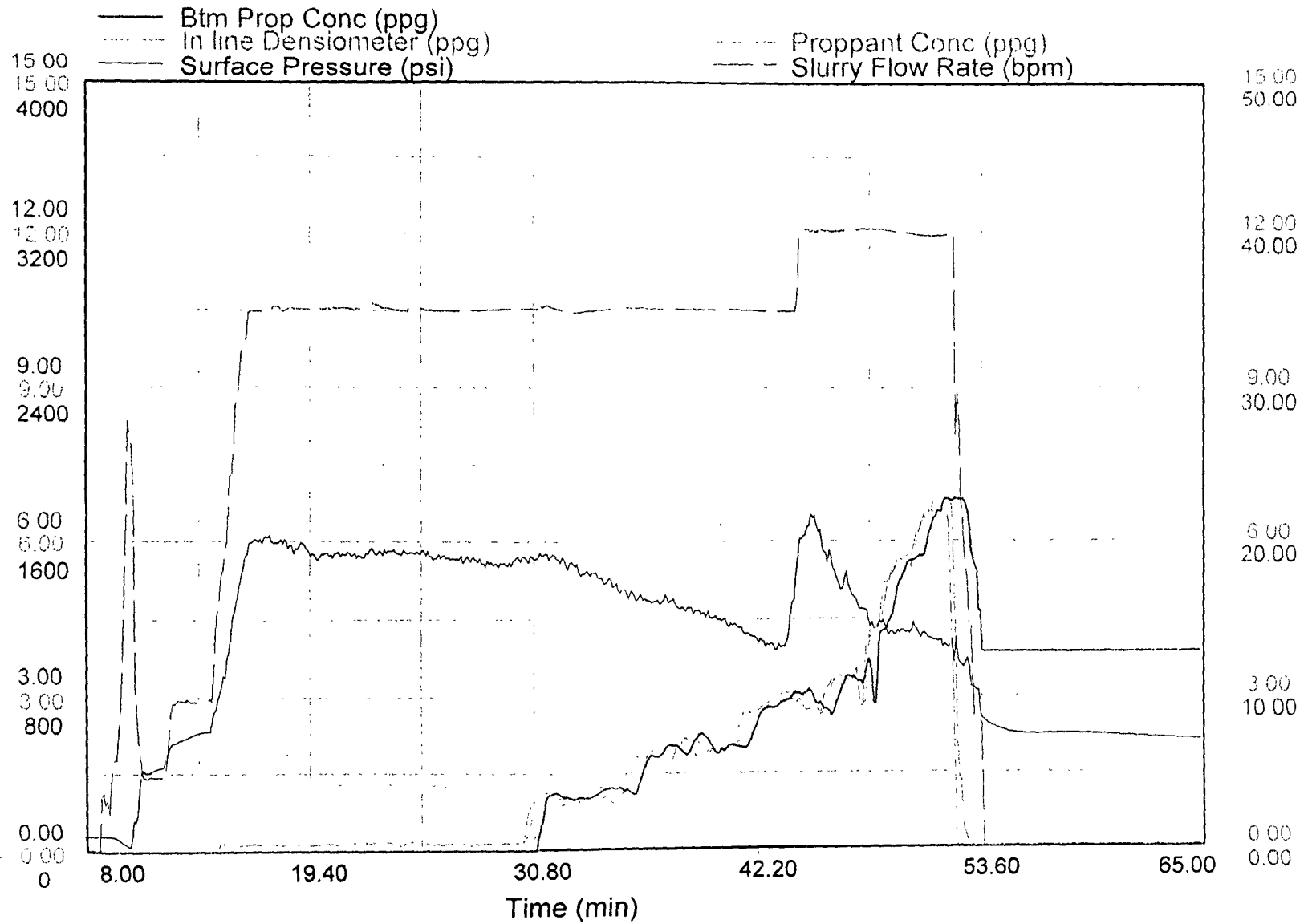
There were no mechanical or electrical problems to start the job
The well never broke during the injection stage
25 lb gel was held longer than designed to help the fracture
Rate was increased to 40 bbl/min during a pressure spike
The well was flushed .5 bbl above top perf

Please feel free to contact me at (505) 327-9329 if you have any questions or concerns.
Thank you.

Paul Quintana
Field Engineer
Weatherford Fracturing Technologies

Maralex Resources Stage 1

Gracia Fed. 181 #1S
San Juan, NM

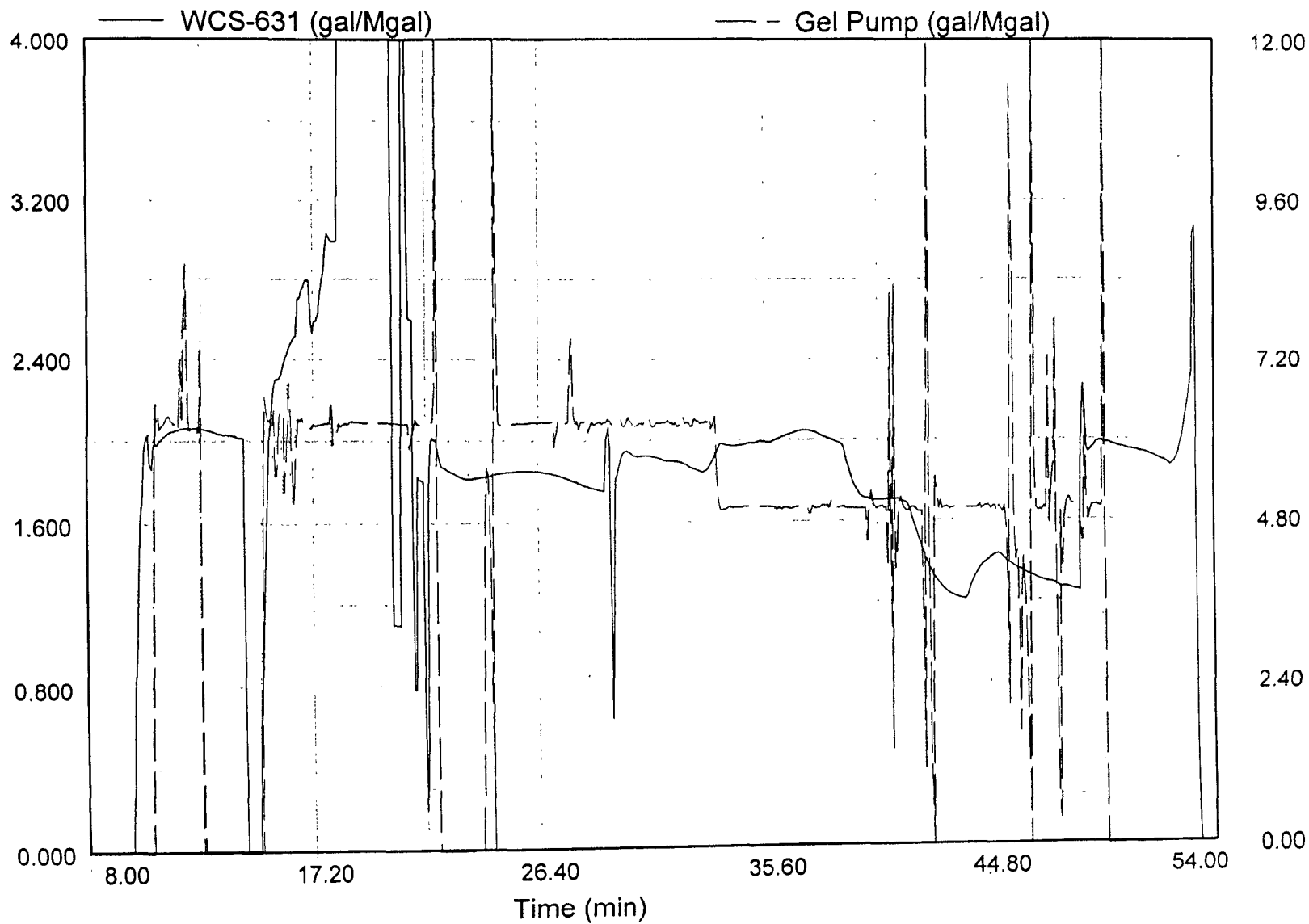


Fruitland Coal

Treatment

Maralex Resources
Stage 1

Gracia Fed. 18I #1S
San Juan, NM

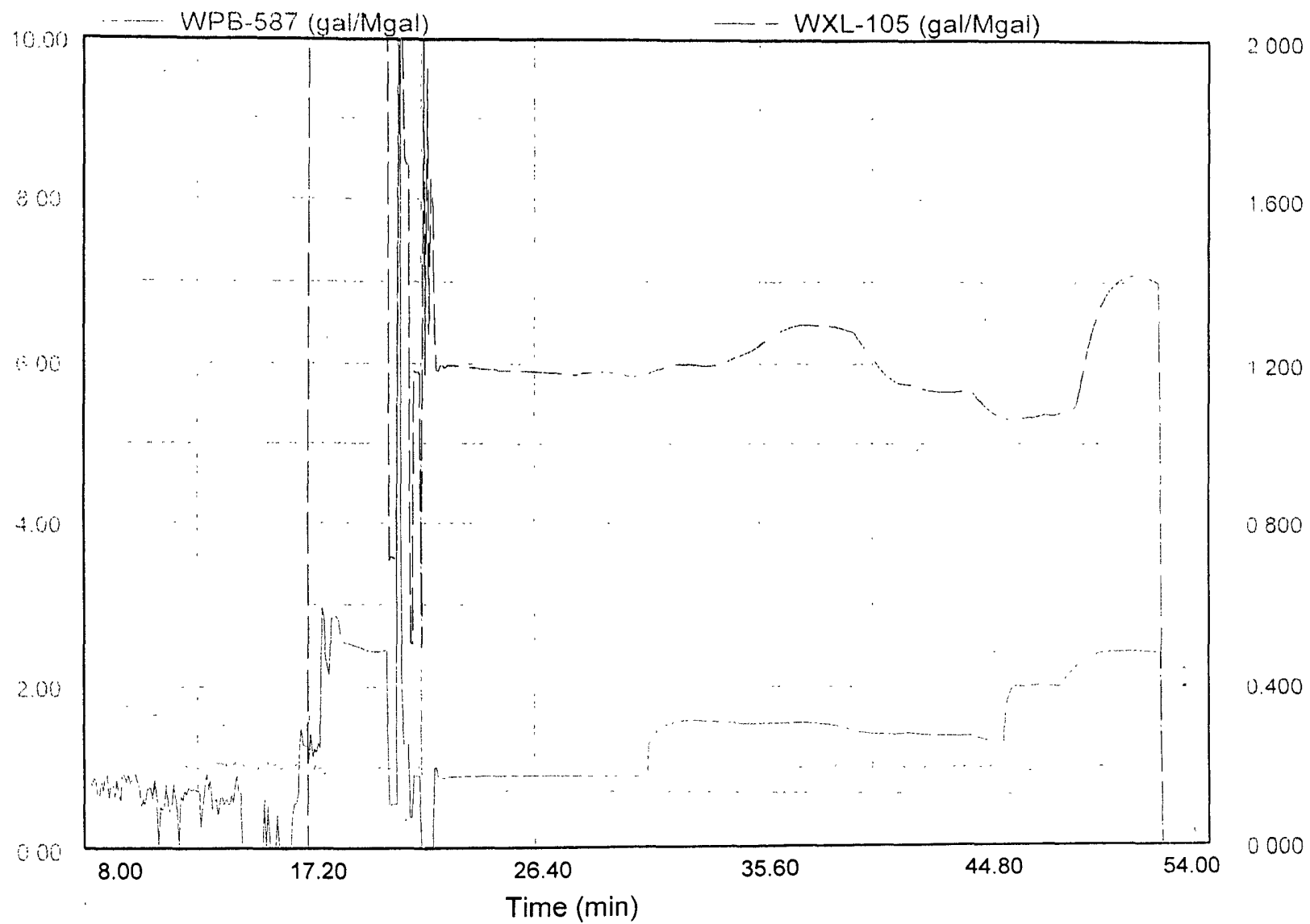


Fruitland Coal

Additives

Maralex Resources Stage 1

Gracia Fed. 18I #1S
San Juan, NM

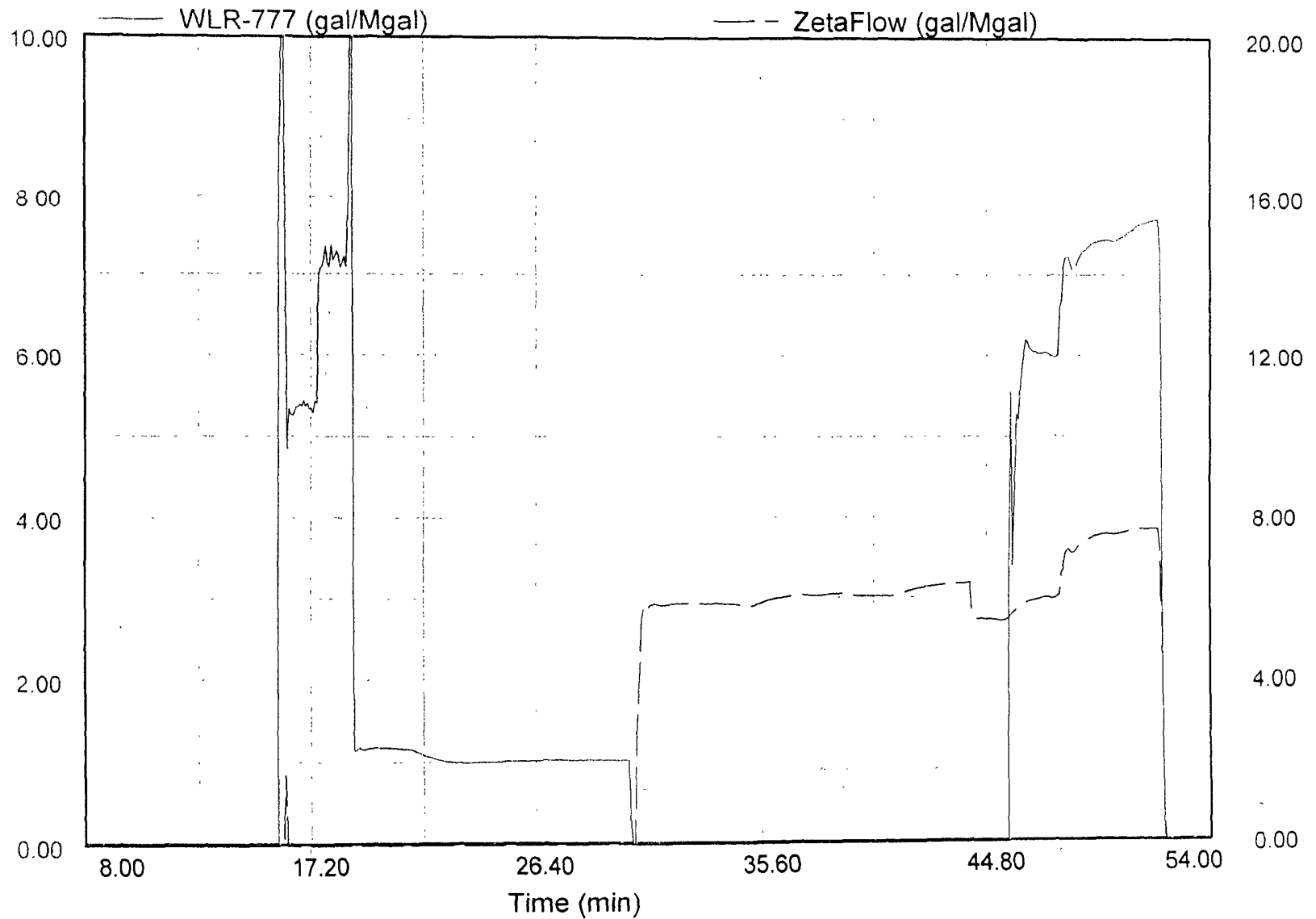


Fruitland Coal

Additives

Maralex Resources Stage 1

Gracia Fed. 18l #1S
San Juan, NM

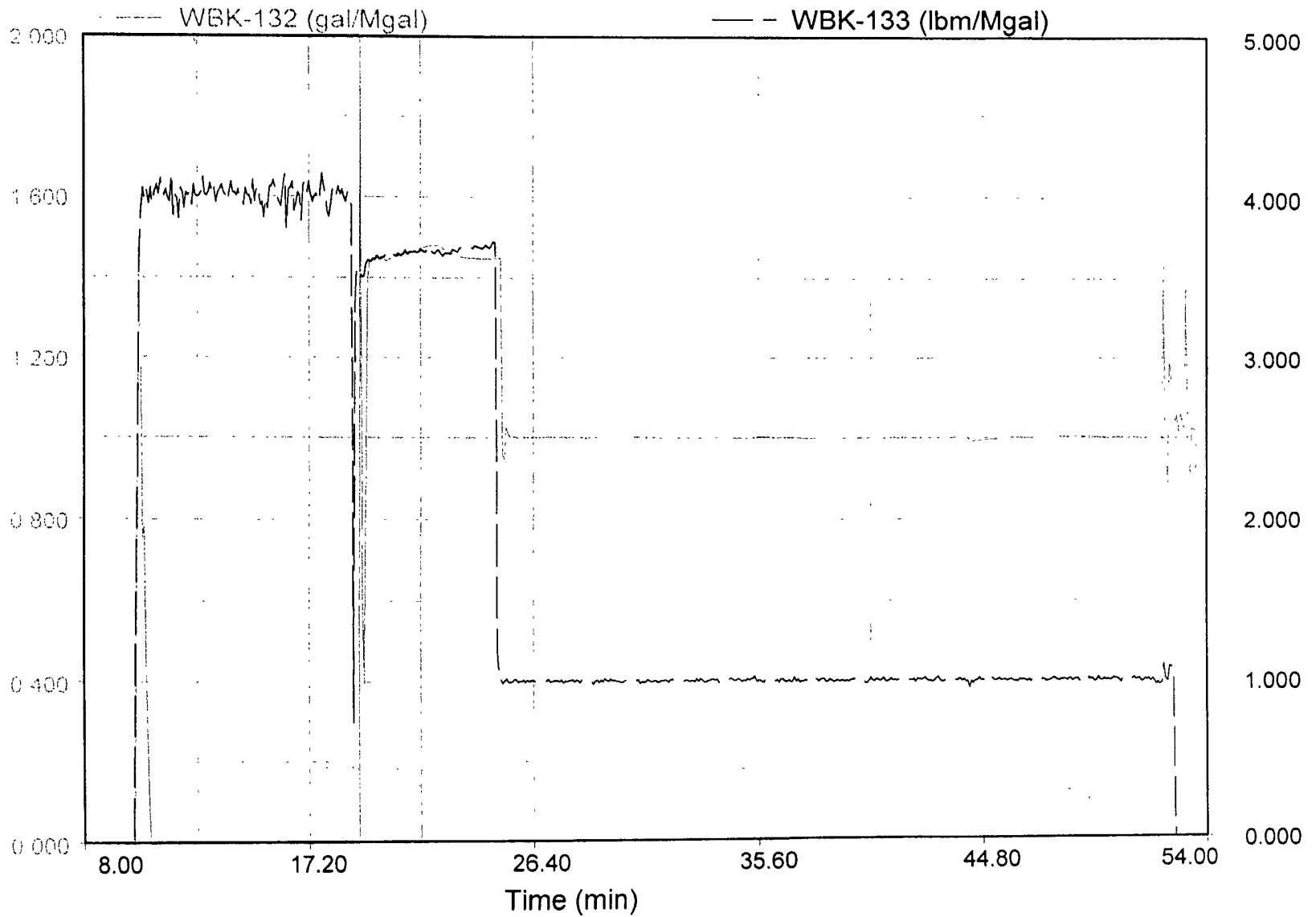


Fruitland Coal

Additives

Maralex Resources Stage 1

Gracia Fed. 18I #1S
San Juan, NM



Fruitland Coal

Additives