Pitts Energy

University 6-3 #2

March 30, 2015

PROPETRO

Name: RC Smith
Location: Midland, TX

PROPETRO

March 30, 2015
Mr. Alex Bles
Pitts Energy

Mr. Alex Bles,

Enclosed is a comprehensive fracturing post job report for the Universiy 6-3 #2. The stimulation treatment was performed on March 30, 2015. Real time data in the form of treatment plots is included.

ProPetro Services appreciates the opportunity to provide stimulation services on this well. Please contact me if you have any questions or comments.

Sincerely,
RC Smith
Frac Technical Specialist
ProPetro Services Inc.

#4 South Industrial Loop
Midland, Texas 79701
Office: 432-685-1765
Cell: 432-230-5474
Email: rc.smith@propetroservices.com

PROPETRO

Pitts Energy

University 3-6 #2

Upton County, TX

Stimulation Cost Estimate
ProBor 15 Treatment
4 Vertical Stages in 1 Day

Prepared For	Alex Bles	**Prepared By**	Josh Hernandez
Phone Number		Phone Number	(432) 685-0059
Fax Number		Fax Number	(432) 685-1936
Mobile		Mobile	(432) 634-9009
E-mail	alex@pittsenergy.com	E-mail	josh.hernandez@propetroservices.com
Service Center	Midland, TX	**Submitted By**	Adam Munoz
Operations	Oscar M. Dominguez	Phone Number	(432) 685-1765
Phone	(432) 634-1288	Fax Number	(432) 685-1936
Fax	(432) 685-1936	Mobile	(432) 557-2089
		E-mail	adam.munoz@propetroservices.com
		Reviewed By	Adam Munoz

3/27/2015
Recommendation Version: 2

PROPETRO

Well Information

Casing	5-1/2", 15.5#, J-55
Treatment Conductor	Casing
Perforated Intervals	TBA
Formation	Spraberry
Bottom Hole Temperature, F	144

PROPETRO

Treatment Specifications

All Stages

Acid	8,000 gallons **15% HCL Acid** fluid containing per Kgals:		
	1,000	gl	10.1% to 15% Uninhibited HCL Acid
	5	gl	IC-5 - Pro Iron Control
	2	gl	CI-200 - Corrosion Inhibitor
	1	gl	NE-601 - Non-Emulsifier/Surfactant
15# Linear	25,415 gallons **15# Linear** crosslinked fluid containing per Kgals:		
	3.75	gl	Liquid Gellant
	0.25	gl	BC-1058 Liquid Biocide
	1	gl	NE-601 - Non-Emulsifier/Surfactant
	1	lb	BR-1 - Chemical Gel Breaker
ProBor 15	231,000 gallons **ProBor 15** crosslinked fluid containing per Kgals:		
	3.75	gl	Liquid Gellant
	0.25	gl	BC-1058 Liquid Biocide
	1	gl	NE-601 - Non-Emulsifier/Surfactant
	1	lb	BR-1 - Chemical Gel Breaker
	0.8	gl	EC200 - Internally Buffered Crosslinker
10 # Linear	6,800 gallons **10# Linear** crosslinked fluid containing per Kgals:		
	2.5	gl	Liquid Gellant
	0.25	gl	BC-1058 Liquid Biocide
	1	gl	NE-601 - Non-Emulsifier/Surfactant
	1	lb	BR-1 - Chemical Gel Breaker
	0.1	gl	LEB-1 - Liquid Enzyme Breaker (Low Temp)
PROPPANT	135	gl	Activator at 5gpt on SLC stages
	2,415	cwt	20/40 Brady Sand
	78,000	lb	20/40 Super LC
RATE & PRESSURE	45 bpm at 2,217 psi via Casing (max pressure is 4,000 psi)		

Procedure

1. MIRU Pro Petro Services frac equipment.
2. Hold safety meeting with all personnel on location.
3. Perform QA/QC testing and prepare location for treatment.
4. Test lines to max pressure plus 1000 psi.
5. Pump using the treatment schedule listed below.
6. Shut down and obtain ISIP, 5, 10 and 15 minute SIP pressure information.
7. RDMO Pro Petro Services equipment.

PROPETRO

TREATMENT SCHEDULE										
TBA										
Stage 1	**Name**	**Fluid Type**	**Stage Volume**	**Slurry Volume**	**Slurry Rate**	**Stage Time**	**Prop Conc.**	**Stage Prop**	**Cum Prop**	**Prop Type**
			(gals)	(gals)	(bpm)	(min)	(ppg)	(lbs)	(lbs)	
1	Breakdown	15# Linear	1000	1000	10	2.38	0	0	0	
2	Pad	ProBor 15	10000	10000	45	5.29	0	0	0	
3	Proppant	ProBor 15	7000	7158	45	3.79	0.5	3500	3500	**20/40 Brady**
4	Proppant	ProBor 15	7000	7315	45	3.87	1	7000	10500	**20/40 Brady**
5	Proppant	ProBor 15	6000	6405	45	3.39	1.5	9000	19500	**20/40 Brady**
6	Proppant	ProBor 15	6000	6540	45	3.46	2	12000	31500	**20/40 Brady**
7	Proppant	ProBor 15	3000	3270	45	1.73	2	6000	37500	**20/40 Super LC**
8	Acid Spot	15% HCL	1000	1000	45	0.53	0	0	37500	
9	Flush	10# Linear	6800	6800	45	3.60	0	0	37500	
TOTALS			**47800**	**49488**	**gals**	**28.04**	**min.**		**37500**	**lbs**

TREATMENT SCHEDULE										
TBA										
Stage 2	**Name**	**Fluid Type**	**Stage Volume**	**Slurry Volume**	**Slurry Rate**	**Stage Time**	**Prop Conc.**	**Stage Prop**	**Cum Prop**	**Prop Type**
			(gals)	(gals)	(bpm)	(min)	(ppg)	(lbs)	(lbs)	
1	Breakdown	15# Linear	1000	1000	10	2.38	0	0	0	
2	Acid Spear	15% HCL	2000	2000	20	2.38	0	0	0	
3	Pad	ProBor 15	20000	20000	45	10.58	0	0	0	
4	Proppant	ProBor 15	12000	12540	45	6.63	1	12000	12000	**20/40 Brady**
5	Proppant	ProBor 15	14000	15260	45	8.07	2	28000	40000	**20/40 Brady**
6	Proppant	ProBor 15	10000	11350	45	6.01	3	30000	70000	**20/40 Brady**
7	Proppant	ProBor 15	8000	9080	45	4.80	3	24000	94000	**20/40 Super LC**
8	Acid Spot	15% HCL	1000	1000	45	0.53	0	0	94000	
9	Flush	15# Linear	7775	7775	45	4.11	0	0	94000	
TOTALS			**75775**	**80005**	**gals**	**45.51**	**min.**		**94000**	**lbs**

PROPETRO

TREATMENT SCHEDULE										
TBA										
Stage 3	**Name**	**Fluid Type**	**Stage Volume**	**Slurry Volume**	**Slurry Rate**	**Stage Time**	**Prop Conc.**	**Stage Prop**	**Cum Prop**	**Prop Type**
			(gals)	(gals)	(bpm)	(min)	(ppg)	(lbs)	(lbs)	
1	Breakdown	15# Linear	1000	1000	10	2.38	0	0	0	
2	Acid Spear	15% HCL	2000	2000	20	2.38	0	0	0	
3	Pad	ProBor 15	20000	20000	45	10.58	0	0	0	
4	Proppant	ProBor 15	12000	12540	45	6.63	1	12000	12000	**20/40 Brady**
5	Proppant	ProBor 15	14000	15260	45	8.07	2	28000	40000	**20/40 Brady**
6	Proppant	ProBor 15	10000	11350	45	6.01	3	30000	70000	**20/40 Brady**
7	Proppant	ProBor 15	8000	9080	45	4.80	3	24000	94000	**20/40 Super LC**
8	Acid Spot	15% HCL	1000	1000	45	0.53	0	0	94000	
9	Flush	15# Linear	6963	6963	45	3.68	0	0	94000	
TOTALS			**74963**	**79193**	**gals**	**45.08**	**min.**		**94000**	**lbs**

TREATMENT SCHEDULE										
TBA										
Stage 4	**Name**	**Fluid Type**	**Stage Volume**	**Slurry Volume**	**Slurry Rate**	**Stage Time**	**Prop Conc.**	**Stage Prop**	**Cum Prop**	**Prop Type**
			(gals)	(gals)	(bpm)	(min)	(ppg)	(lbs)	(lbs)	
1	Breakdown	15# Linear	1000	1000	10	2.38	0	0	0	
2	Acid Spear	15% HCL	1000	1000	20	1.19	0	0	0	
3	Pad	ProBor 15	20000	20000	45	10.58	0	0	0	
4	Proppant	ProBor 15	12000	12540	45	6.63	1	12000	12000	**20/40 Brady**
5	Proppant	ProBor 15	14000	15260	45	8.07	2	28000	40000	**20/40 Brady**
6	Proppant	ProBor 15	10000	11350	45	6.01	3	30000	70000	**20/40 Brady**
7	Proppant	ProBor 15	8000	9080	45	4.80	3	24000	94000	**20/40 Super LC**
8	Flush	15# Linear	6677	6677	45	3.53	0	0	94000	
TOTALS			**72677**	**76907**	**gals**	**43.20**	**min.**		**94000**	**lbs**

PROPETRO

Price Estimate

Chemicals	UOM	QTY	Extended Price
10.1% to 15% Uninhibited HCL Acid	gl	8,000	$10,080.00
IC-5 - Pro Iron Control	gl	40	$379.20
CI-200 - Corrosion Inhibitor	gl	16	$218.88
NE-601 - Non-Emulsifier/Surfactant	gl	272	$1,720.67
Liquid Gellant	gl	980	$17,243.10
BC-1058 Liquid Biocide	gl	67	$979.88
BR-1 - Chemical Gel Breaker	lb	264	$544.90
EC200 - Internally Buffered Crosslinker	gl	185	$1,332.00
LEB-1 - Liquid Enzyme Breaker (Low Temp)	gl	1	$51.20
Activator "Water Base"- For Curable Resin Sands	gl	135	$1,890.00
		Subtotal	$34,439.82

Proppant	UOM	QTY	Extended Price
20/40 Brady Sand	cwt	2,415	$13,282.50
20/40 Super LC	lb	78,000	$21,840.00
Sand Master Services	ea/day	2	$676.00
Delivery Charge, Proppant	tm	19,969	$13,479.08
		Subtotal	$49,277.58

Equipment	UOM	QTY	Extended Price
4" Valve Rental	ea/day	2	$260.00
Crane Truck	day	1	$247.00
Discharge Trailer	ea/day	1	$975.00
Computer Blender, 1st 2 hrs, 41 - 50 BPM	ea	1	$780.00
Computer Blender, After 1st 2 hrs per unit, 41 - 50 BPM	hr	1	$208.00
Hydration Unit, first 2 hrs	ea	1	$926.90
Hydration Unit, after initial 2 hrs	hr	1	$231.40
Chemical Additive Unit - 1st 2 hours	ea	1	$195.00
Chemical Additive Unit - After 1st 2 hours	hr	1	$52.00
Minimum Charge 2000 HHP Unit, first 2 hrs	ea	5	$7,650.50
Minimum Charge 2000 HHP Unit, after 2 hrs	hr	5	$2,550.60
Compu-Frac Monitoring Van	day	1	$1,483.25
Densiometer	ea	1	$166.40
QC Van & Operator	day	1	$280.41
Unit Mileage - Auto, Pick-up or Van	mi	660	$343.20
Unit Mileage - Heavy Equipment	mi	1,980	$1,801.80
Stimulation Chemical Truck (4 hr min)*	hr	16	$723.84
Acid Transport - 4 hour minimum	hr	16	$445.12
Prop Concentration Charge, 0.1 to 4.0 lb/gal	gl	155,750	$2,834.65
Safety Shower Trailer	e	1	$350.00
Personnel Charge	ea	1	$3,000.00
		Subtotal	$25,505.07
		TOTAL	**$109,222.47**

ProPetro Services (such term shall include any subsidiary, division or affiliate of ProPetro Services, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the applicable master service agreement between the parties. In the event that there is no such master service agreement, ProPetro's standard terms and conditions, (A paper copy of these standard terms and conditions will be provided to you upon written request.) This price is good for 30 days unless otherwise noted.

PROPETRO

1706 S. Midkiff
Building B
Midland, Texas 79701
432-688-0012

Pitts Energy

University 6-3 #2

Stage 1 - Slickwater/ProBor 15

Wolfcamp

Upton County, TX

3/30/2015

Treatment Summary

Service Supervisor: **Saul Suchil**

Operators Name:	**Pitts Energy**
Well Name:	**University 6-3 #2**
Stage No.:	**Stage 1 - Slickwater/ProBor 15**
Formation:	**Wolfcamp**
Date:	**March 30, 2015**

PROPETRO

Section I - Well Data

Reservoir Data

Formation:	**Wolfcamp**
Depth to Middle Perforation:	**8,150 ft**
Fracture Gradient:	**0.63 psi/ft**
Bottom Hole Tempature:	**144 ˚ F**

TUBULAR'S

Pump Via	**CASING**

TUBULAR'S GEOMETRY

Type	Size		Weight	Top	Bottom
	O.D.	I.D.			
J-55	5-1/2"	4.892	15.5#	0	

PERFORATED INTERVAL

PERFORATION DEPTH INTERVAL (FT)		Shots Per Foot	Perf. Diameter (in)	Total Perfs
Top	Bottom			
8,148	8,152		0.42	0

Stage Summary

Stage was pumped to completion with no fluid or mechanical issues.

Operators Name:	Pitts Energy
Well Name:	University 6-3 #2
Stage No.:	Stage 1 - Slickwater/ProBor 15
Formation:	Wolfcamp
Date:	March 30, 2015

PROPETRO

Section II - MATERIAL UTILIZATION

VOLUMES

LABEL	Clean Volumes PROPOSED	ACTUAL	Unit
Acid	1,000	1,000	gal
Pad/Spacer	20,000	11,932	gal
Sand Laden Fluid	19,000	29,012	gal
Flush	6,800	7,686	gal
Breakdown	1,000	714	gal
			gal
FLUID TO RECOVER		50,344	gal
		1,199	bbl

Proppant Properties

LABEL	PROPOSED	ACTUAL	Unit
20/40 Brady	31,500	31,502	lbs
20/40 SLC	6,000	6,024	lbs
Total Proppant	37,500	37,526	lbs

Max/Min

Rate / Pressure	Rate	Pressure
Maximum	48	2,964
Minimum	44	1,584

Average's

Rate / Pressure	Rate	Pressure
During Pad	44	2,477
During Sand	44	2,111
During Flush	44	2,226
Average	44	2,257

ISIP'S

READING	Pressure	Unit
ISIP	1,584	psi
5 MINUTE ISIP		psi
10 MINUTE ISIP		psi
15 MINUTE ISIP		psi

Operators Name: Pitts Energy
Well Name: University 6-3 #2
Stage No.: Stage 1 - Slickwater/ProBor 15
Formation: Wolfcamp
Date: March 30, 2015

PROPETRO

Section IV - Job Summary

Time	Press.	Slurry Rate	Slurry bbls Stage	Slurry bbls Cumul	Clean bbls Stage	Clean bbls Cumul	Bld. Dens.	Bld Prop	Prop Total	Event Tag
8:39	146									Start Job
8:49	1,372	4	17	17	17	17				Breakdown
				17	0	17				Acid Spear
8:55	2,477	44	238	255	238	255		0	0	Pad
9:00	2,453	44	170	426	167	422	0.50	3499	3,499	20/40 Brady
9:04	2,212	44	174	600	167	588	1.00	7000	10,499	20/40 Brady
9:07	2,016	44	153	752	143	731	1.50	9003	19,501	20/40 Brady
9:11	1,939	44	156	908	143	874	2.00	12001	31,502	20/40 Brady
9:12	1,935	44	78	986	72	946	2.00	6024	37,526	20/40 Super LC
9:13	1,955	44	24	1,010	24	970		0	37,526	Acid Spot
9:14	1,951	44	46	1,056	46	1016		0	37,526	Spacer
9:17	2,226	44	183	1,239	183	1199		0	37,526	Flush
	1,584			1,239	0	1199		0	37,526	ISIP
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
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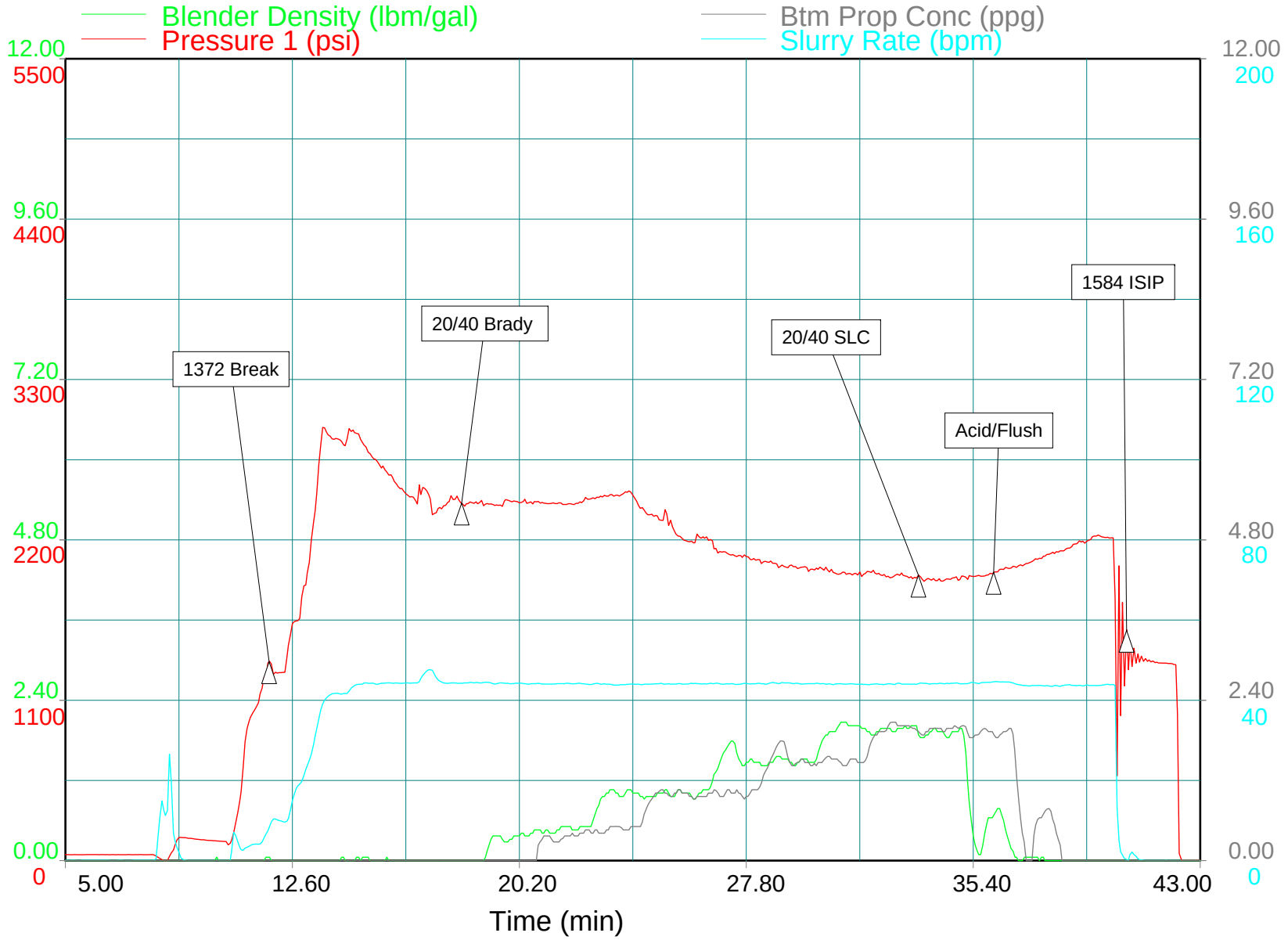
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	
				1,239	0	1199		0	37,526	

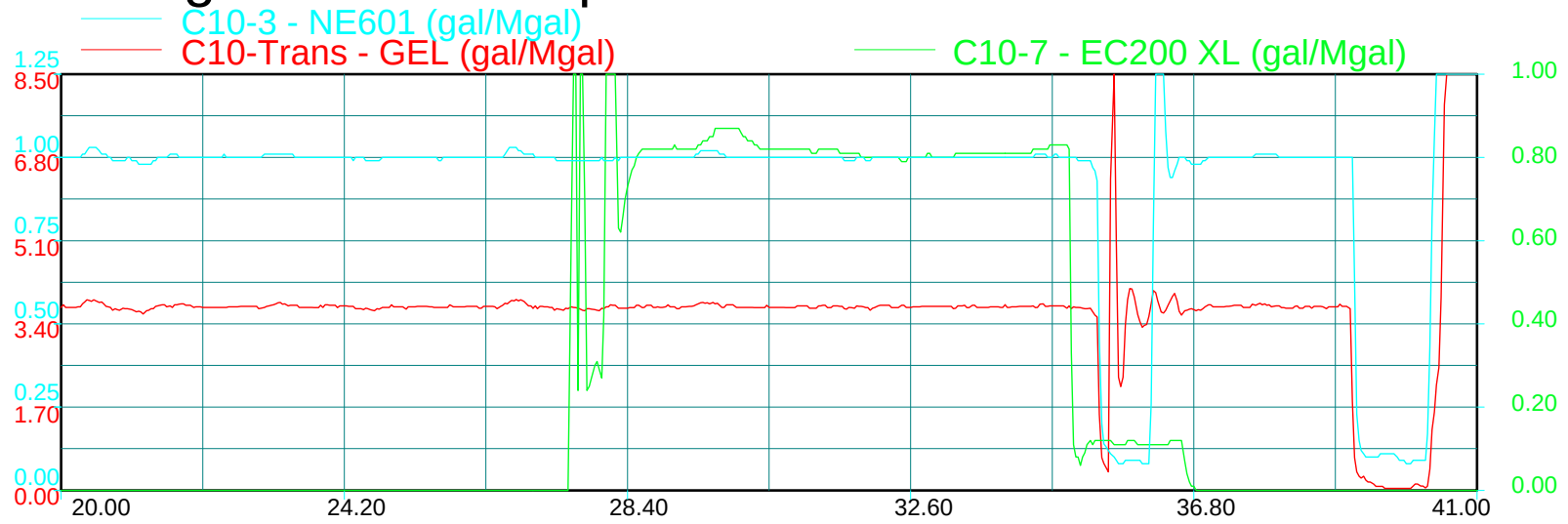
Pitts Energy - University 3-6 #2
Stage 1 - Wolfcamp

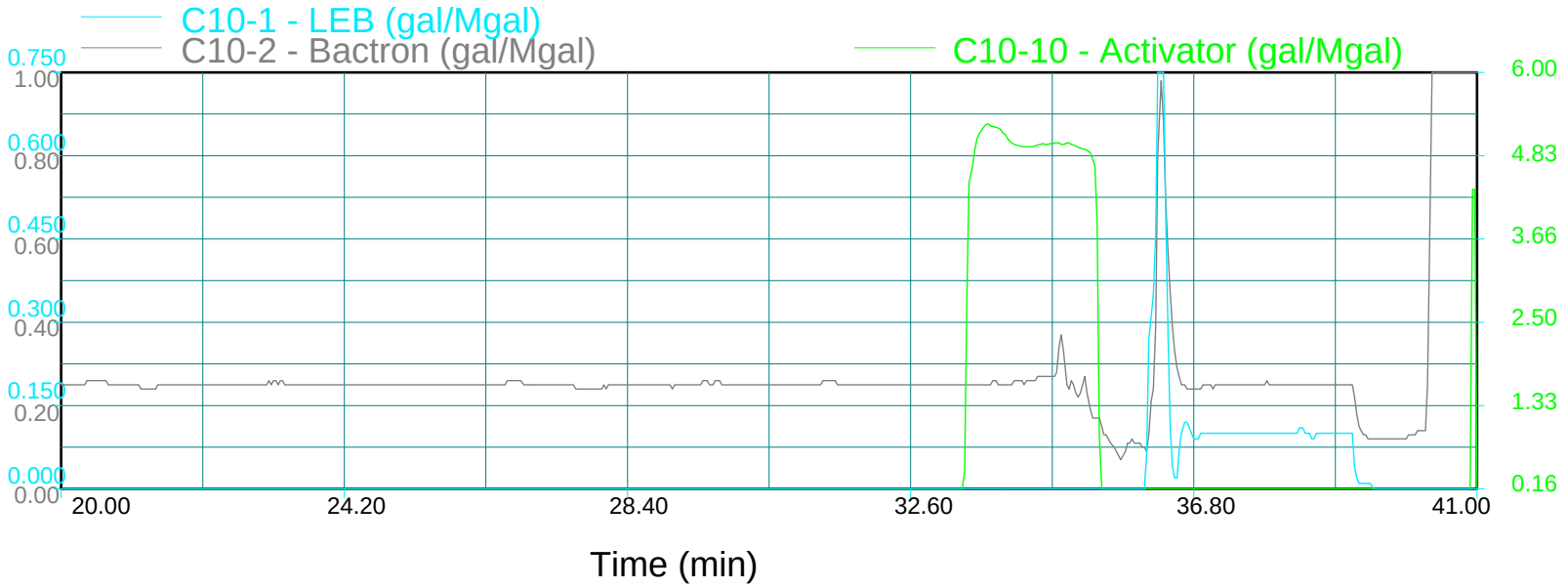


Primary Plot

3/30/2015

Pitts Energy - University 3-6 #2
Stage 1 - Wolfcamp





Chemical Plot 3/30/2015

PROPETRO

1706 S. Midkiff
Building B
Midland, Texas 79701
432-688-0012

Pitts Energy

University 6-3 #2

Stage 2 - Slickwater/ProBor 15

Wolfcamp D

Upton County, TX

3/30/2015

Treatment Summary

Service Supervisor: **Saul Suchil**

Operators Name:	**Pitts Energy**
Well Name:	**University 6-3 #2**
Stage No.:	**Stage 2 - Slickwater/ProBor 15**
Formation:	**Wolfcamp D**
Date:	**March 30, 2015**

PROPETRO

Section I - Well Data

Reservoir Data

Formation:	**Wolfcamp D**
Depth to Middle Perforation:	**8,000 ft**
Fracture Gradient:	**0.63 psi/ft**
Bottom Hole Tempature:	**144 ˚ F**

TUBULAR'S

Pump Via	**CASING**

TUBULAR'S GEOMETRY

Type	Size		Weight	Top	Bottom
	O.D.	I.D.			
J-55	5-1/2"	4.892	15.5#	0	

PERFORATED INTERVAL

PERFORATION DEPTH INTERVAL (FT)		Shots Per Foot	Perf. Diameter (in)	Total Perfs
Top	Bottom			
7,914	8,086		0.42	0

Stage Summary

Stage was pumped to completion with no fluid or mechanical issues.

Operators Name:	Pitts Energy
Well Name:	University 6-3 #2
Stage No.:	Stage 2 - Slickwater/ProBor 15
Formation:	Wolfcamp D
Date:	March 30, 2015

PROPETRO

Section II - MATERIAL UTILIZATION

VOLUMES

LABEL	Clean Volumes PROPOSED	ACTUAL	Unit
Acid	3,000	3,000	gal
Pad/Spacer	20,000	22,604	gal
Sand Laden Fluid	44,000	44,033	gal
Flush	7,775	7,224	gal
Breakdown	1,000	126	gal
			gal
FLUID TO RECOVER		76,987	gal
		1,833	bbl

Proppant Properties

LABEL	PROPOSED	ACTUAL	Unit
20/40 Brady	70,000	70,010	lbs
20/40 SLC	24,000	24,084	lbs
Total Proppant	94,000	94,095	lbs

Max/Min

Rate / Pressure	Rate	Pressure
Maximum	69	3,564
Minimum	16	1,545

Average's

Rate / Pressure	Rate	Pressure
During Pad	61	3,448
During Sand	67	3,151
During Flush	44	2,265
Average	57	2,856

ISIP'S

READING	Pressure	Unit
ISIP	1,545	psi
5 MINUTE ISIP		psi
10 MINUTE ISIP		psi
15 MINUTE ISIP		psi

Operators Name: Pitts Energy
Well Name: University 6-3 #2
Stage No.: Stage 2 - Slickwater/ProBor 15
Formation: Wolfcamp D
Date: March 30, 2015

PROPETRO

Section IV - Job Summary

Time	Press.	Slurry Rate	Slurry bbls Stage	Slurry bbls Cumul	Clean bbls Stage	Clean bbls Cumul	Bld. Dens.	Bld Prop	Prop Total	Event Tag
10:46	1,105									Start Job
10:47	1,208	4	3	3	3	3				Breakdown
10:50	1,567	16	48	51	48	51				Acid Spear
11:03	3,448	61	476	527	476	527		0	0	Pad
11:08	3,289	65	299	826	286	813	1.00	12002	12,002	20/40 Brady
11:13	3,136	68	364	1,189	333	1146	2.00	27999	40,002	20/40 Brady
11:17	3,032	68	271	1,460	238	1384	3.00	30008	70,010	20/40 Brady
11:21	3,147	68	217	1,677	191	1575	3.00	24084	94,095	20/40 Super LC
11:22	2,066	44	24	1,700	24	1599		0	94,095	Acid Spot
11:22	2,061	44	62	1,762	62	1661		0	94,095	Spacer
11:25	2,265	44	172	1,934	172	1833		0	94,095	Flush
	1,545			1,934	0	1833		0	94,095	ISIP
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	
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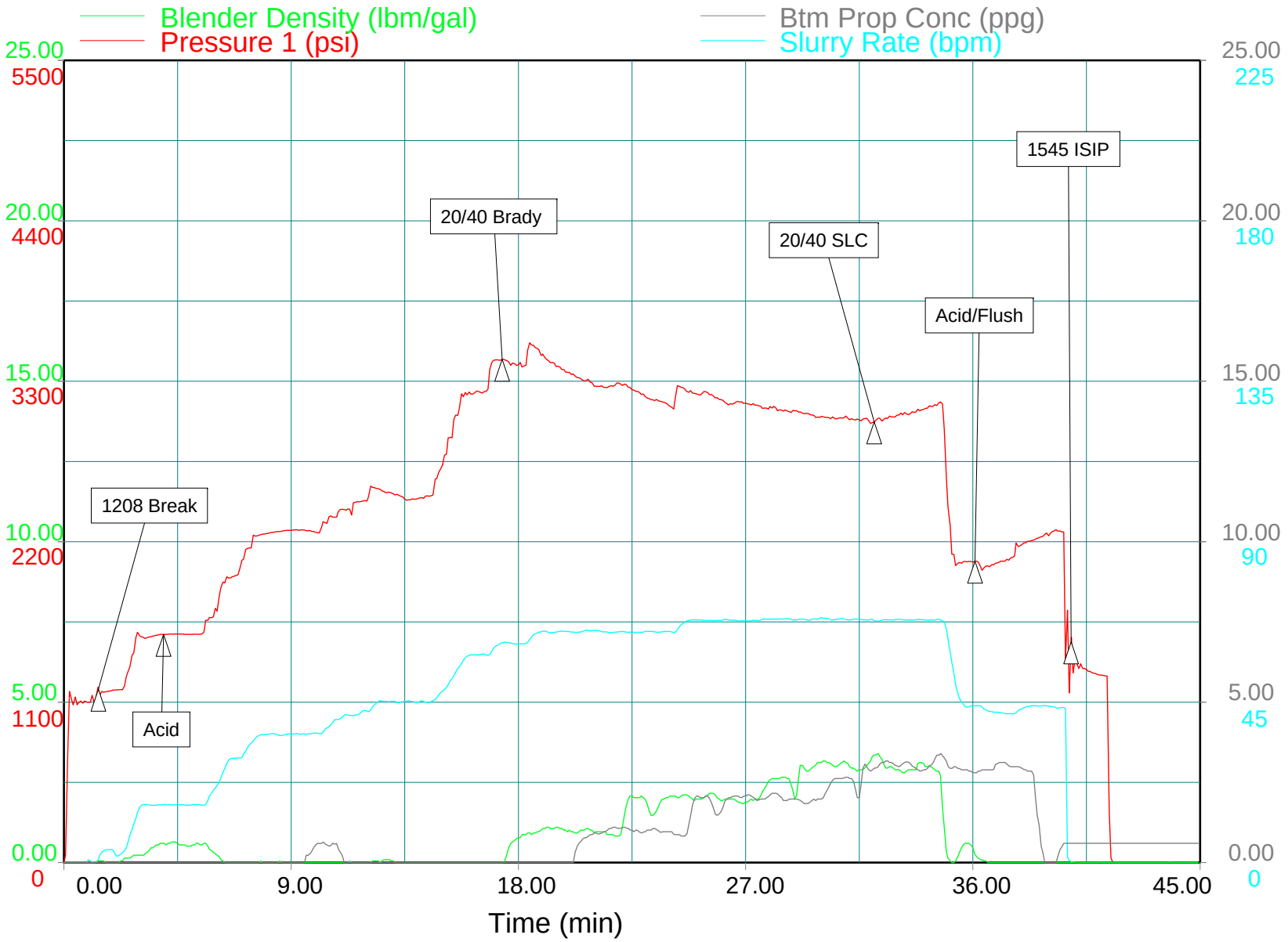
				1,934	0	1833		0	94,095	
				1,934	0	1833		0	94,095	

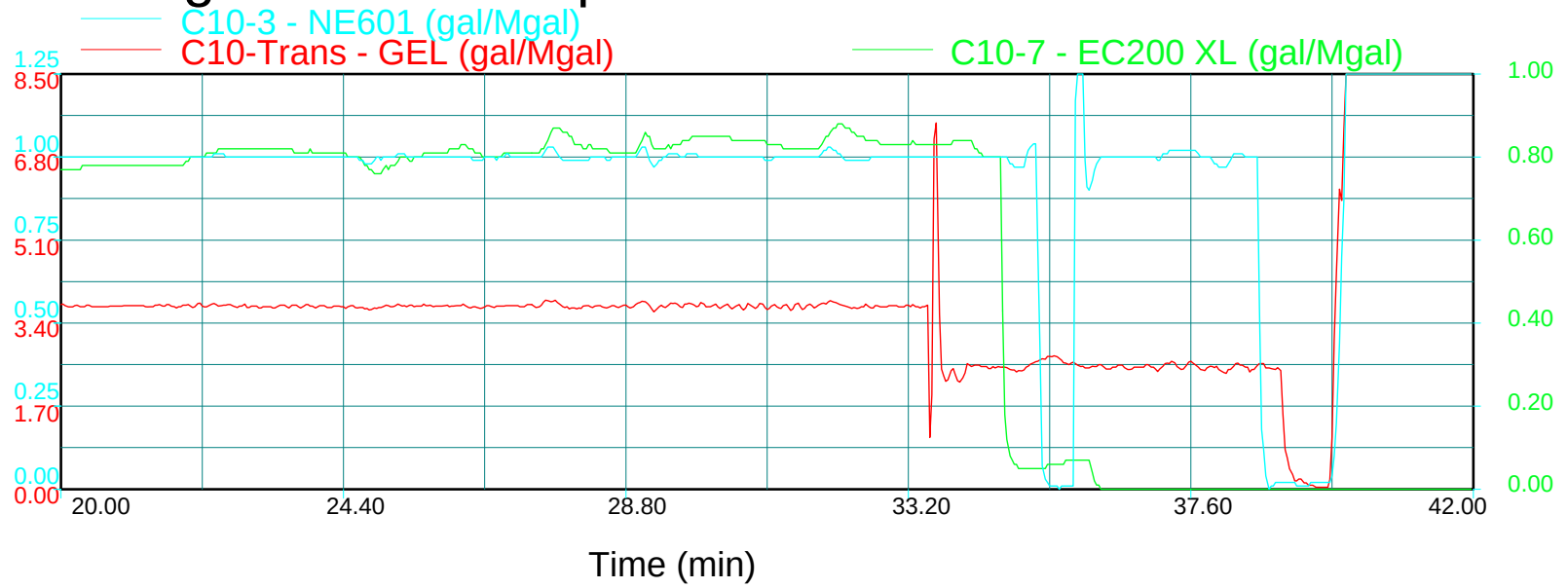
Pitts Energy - University 3-6 #2
Stage 2 - Wolfcamp D

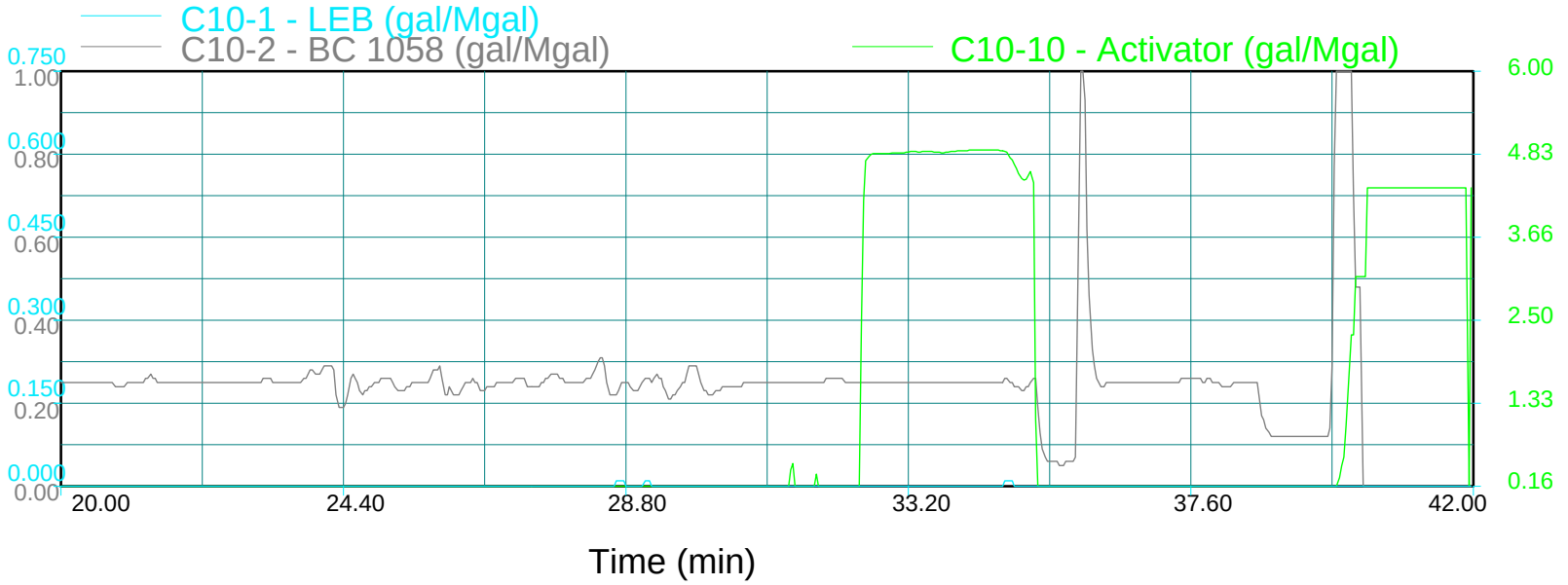


Primary Plot

3/30/2015

Pitts Energy - University 3-6 #2
Stage 2 - Wolfcamp D





Chemical Plot 3/30/2015

PROPETRO

1706 S. Midkiff
Building B
Midland, Texas 79701
432-688-0012

Pitts Energy

University 6-3 #2

Stage 3 - Slickwater/ProBor 15

Spraberry

Upton County, TX

3/30/2015

Treatment Summary

Service Supervisor: **Saul Suchil**

Operators Name:	**Pitts Energy**
Well Name:	**University 6-3 #2**
Stage No.:	**Stage 3 - Slickwater/ProBor 15**
Formation:	**Spraberry**
Date:	**March 30, 2015**

PROPETRO

Section I - Well Data

Reservoir Data

Formation:	**Spraberry**
Depth to Middle Perforation:	**7,389 ft**
Fracture Gradient:	**0.52 psi/ft**
Bottom Hole Tempature:	**144 ˚ F**

TUBULAR'S

Pump Via	**CASING**

TUBULAR'S GEOMETRY

Type	Size		Weight	Top	Bottom
	O.D.	I.D.			
J-55	5-1/2"	4.892	15.5#	0	

PERFORATED INTERVAL

PERFORATION DEPTH INTERVAL (FT)		Shots Per Foot	Perf. Diameter (in)	Total Perfs
Top	Bottom			
7,250	7,528		0.42	0

Stage Summary

Stage was pumped to completion with no fluid or mechanical issues.

Operators Name:	Pitts Energy
Well Name:	University 6-3 #2
Stage No.:	Stage 3 - Slickwater/ProBor 15
Formation:	Spraberry
Date:	March 30, 2015

PROPETRO

Section II - MATERIAL UTILIZATION

VOLUMES

LABEL	Clean Volumes PROPOSED	ACTUAL	Unit
Acid	3,000	3,000	gal
Pad/Spacer	20,000	23,990	gal
Sand Laden Fluid	44,000	42,045	gal
Flush	6,963	6,510	gal
Breakdown	1,000	420	gal
			gal
FLUID TO RECOVER		75,965	gal
		1,809	bbl

Proppant Properties

LABEL	PROPOSED	ACTUAL	Unit
20/40 Brady	70,000	70,117	lbs
20/40 SLC	24,000	24,011	lbs
Total Proppant	94,000	94,129	lbs

Max/Min

Rate / Pressure	Rate	Pressure
Maximum	70	2,832
Minimum	23	637

Average's

Rate / Pressure	Rate	Pressure
During Pad	70	2,751
During Sand	68	2,139
During Flush	67	2,048
Average	67	2,301

ISIP'S

READING	Pressure	Unit
ISIP	637	psi
5 MINUTE ISIP		psi
10 MINUTE ISIP		psi
15 MINUTE ISIP		psi

Operators Name: Pitts Energy
Well Name: University 6-3 #2
Stage No.: Stage 3 - Slickwater/ProBor 15
Formation: Spraberry
Date: March 30, 2015

Section IV - Job Summary

Time	Press.	Slurry Rate	Slurry bbls Stage	Slurry bbls Cumul	Clean bbls Stage	Clean bbls Cumul	Bld. Dens.	Bld Prop	Prop Total	Event Tag
1:14	32									Start Job
1:15	558	4	10	10	10	10				Breakdown
1:18	1,044	23	48	58	48	58				Acid Spear
1:28	2,751	70	476	534	476	534		0	0	Pad
1:32	2,485	68	299	833	286	820	1.00	12006	12,006	20/40 Brady
1:37	2,159	68	363	1,196	333	1153	2.00	27992	39,998	20/40 Brady
1:42	2,046	68	272	1,468	239	1392	3.00	30119	70,117	20/40 Brady
1:43	1,867	68	169	1,636	143	1535	4.00	24011	94,129	20/40 Super LC
1:44	1,089	44	24	1,660	24	1559		0	94,129	Acid Spot
1:45	1,090	44	95	1,755	95	1654		0	94,129	Spacer
1:47	2,048	67	155	1,910	155	1809		0	94,129	Flush
	637			1,910	0	1809		0	94,129	ISIP
				1,910	0	1809		0	94,129	
				1,910	0	1809		0	94,129	
				1,910	0	1809		0	94,129	
				1,910	0	1809		0	94,129	
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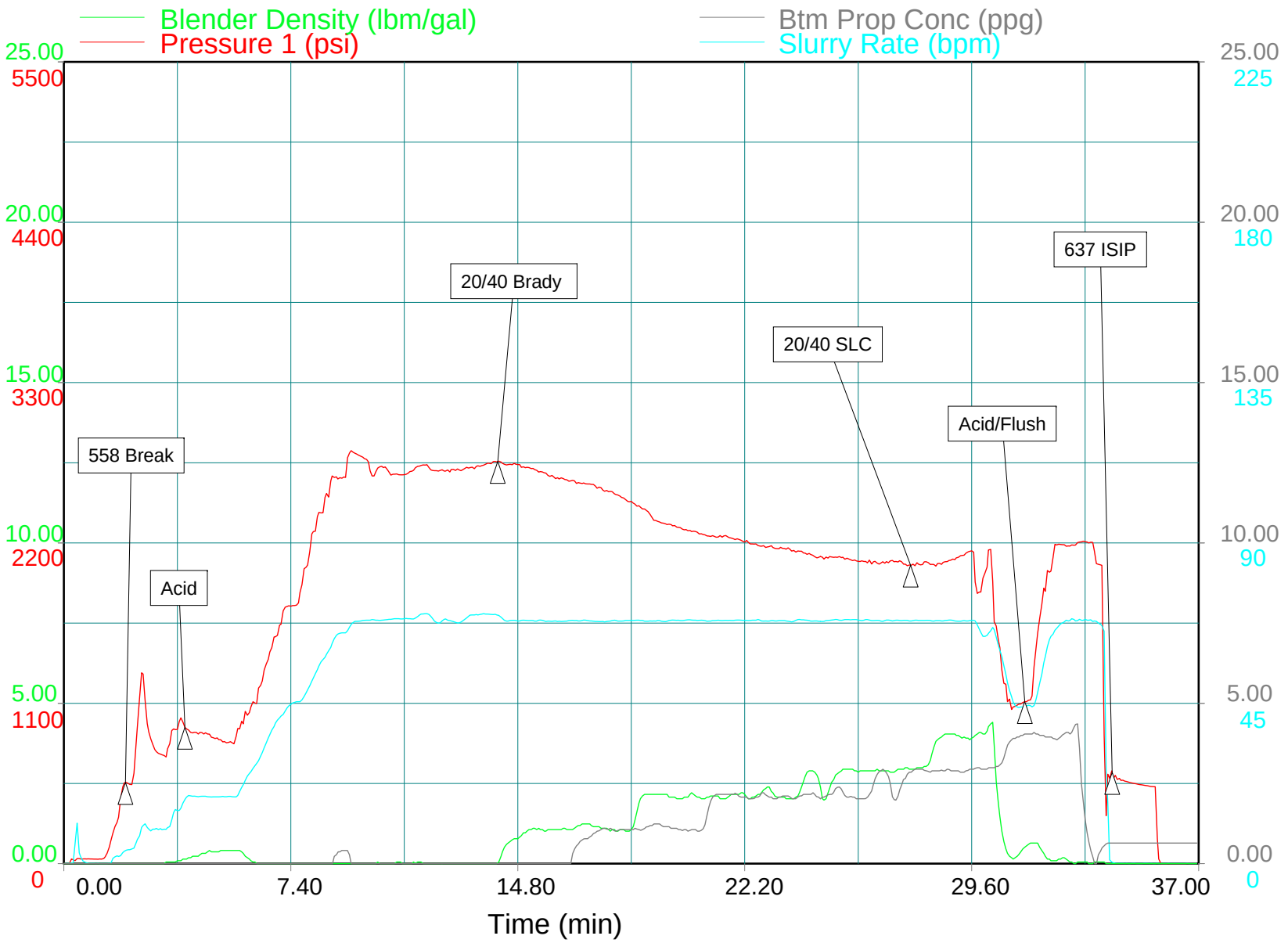
				1,910	0	1809		0	94,129	
				1,910	0	1809		0	94,129	
				1,910	0	1809		0	94,129	

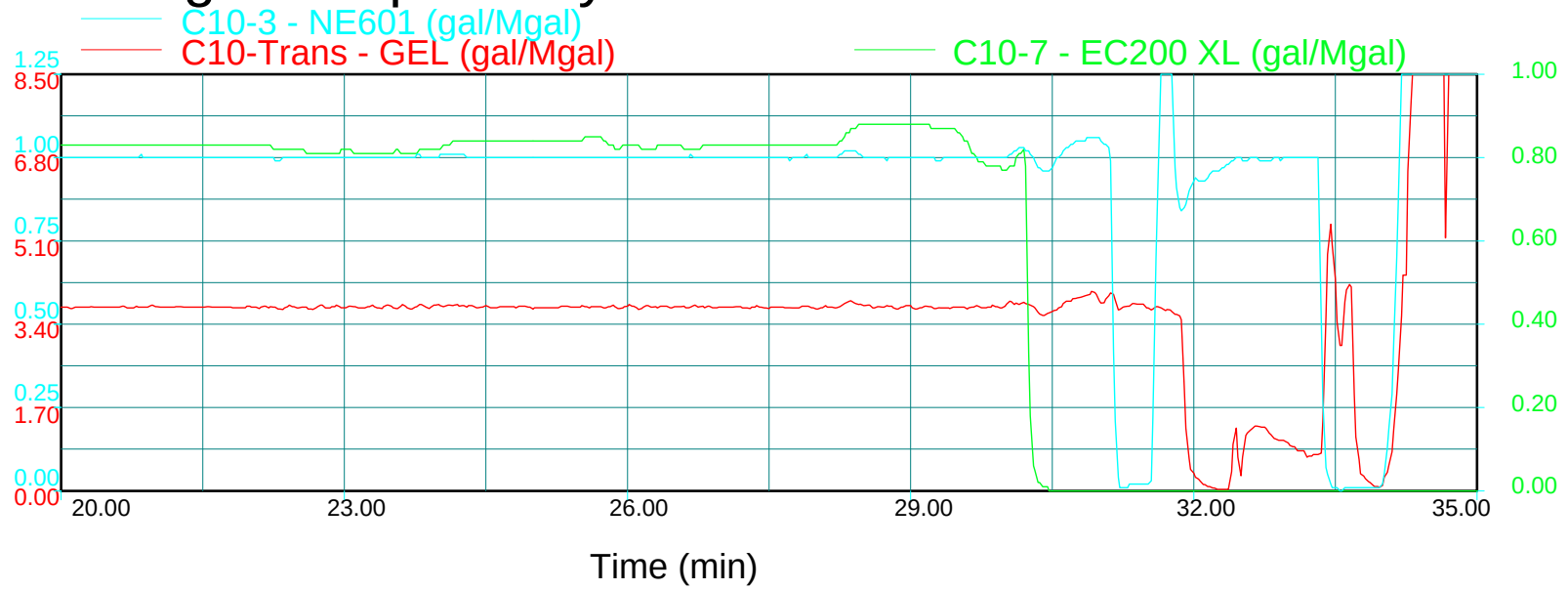
Pitts Energy - University 3-6 #2
Stage 3 - Spraberry

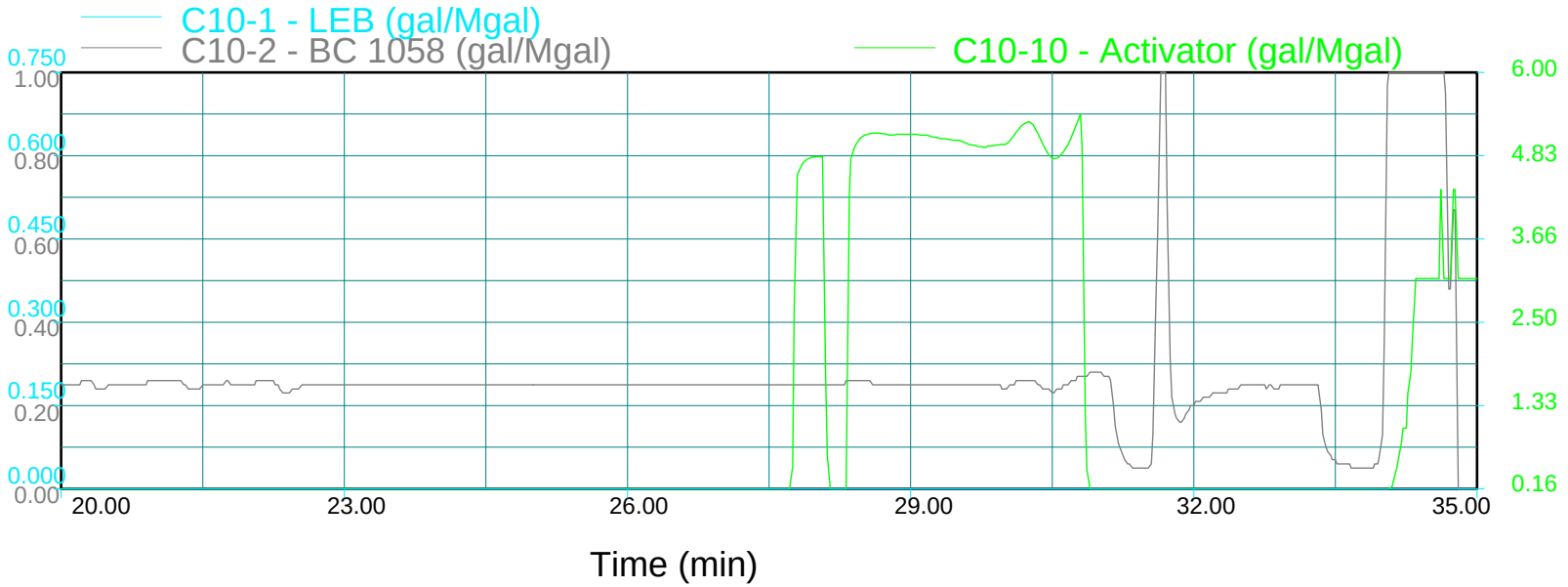


Primary Plot

3/30/2015

Pitts Energy - University 3-6 #2
Stage 3 - Spraberry





Chemical Plot 3/30/2015

PROPETRO

1706 S. Midkiff
Building B
Midland, Texas 79701
432-688-0012

Pitts Energy

University 6-3 #2

Stage 4 - Slickwater/ProBor 15

Upper Spraberry

Upton County, TX

4/1/2015

Treatment Summary

Service Supervisor: **Saul Suchil**

Operators Name:	**Pitts Energy**
Well Name:	**University 6-3 #2**
Stage No.:	**Stage 4 - Slickwater/ProBor 15**
Formation:	**Upper Spraberry**
Date:	**April 1, 2015**

PROPETRO

Section I - Well Data

Reservoir Data

Formation:	**Upper Spraberry**
Depth to Middle Perforation:	**6,624 ft**
Fracture Gradient:	**0.50 psi/ft**
Bottom Hole Tempature:	**144 ˚ F**

TUBULAR'S

Pump Via **CASING**

TUBULAR'S GEOMETRY

Type	Size		Weight	Top	Bottom
	O.D.	I.D.			
J-55	5-1/2"	4.892	15.5#	0	

PERFORATED INTERVAL

PERFORATION DEPTH INTERVAL (FT)		Shots Per Foot	Perf. Diameter (in)	Total Perfs
Top	Bottom			
6,537	6,710		0.42	0

Stage Summary

Stage was pumped to completion with no fluid or mechanical issues.

Operators Name:	Pitts Energy
Well Name:	University 6-3 #2
Stage No.:	Stage 4 - Slickwater/ProBor 15
Formation:	Upper Spraberry
Date:	April 1, 2015

PROPETRO

Section II - MATERIAL UTILIZATION

VOLUMES

LABEL	Clean Volumes PROPOSED	ACTUAL	Unit
Acid	1,000	1,000	gal
Pad/Spacer	20,000	20,437	gal
Sand Laden Fluid	44,000	21,753	gal
Flush	6,677	6,426	gal
Breakdown	1,000	402	gal
			gal
FLUID TO RECOVER		50,019	gal
		1,191	bbl

Proppant Properties

LABEL	PROPOSED	ACTUAL	Unit
20/40 Brady	70,000	34,024	lbs
20/40 SLC	24,000	0	lbs
Total Proppant	94,000	34,024	lbs

Max/Min

Rate / Pressure	Rate	Pressure
Maximum	69	2,764
Minimum	16	435

Average's

Rate / Pressure	Rate	Pressure
During Pad	69	2,760
During Sand	57	1,614
During Flush	38	1,108
Average	59	2,000

ISIP'S

READING	Pressure	Unit
ISIP	435	psi
5 MINUTE ISIP		psi
10 MINUTE ISIP		psi
15 MINUTE ISIP		psi

Operators Name: Pitts Energy
Well Name: University 6-3 #2
Stage No.: Stage 4 - Slickwater/ProBor 15
Formation: Upper Spraberry
Date: April 1, 2015

PROPETRO

Section IV - Job Summary

Time	Press.	Slurry Rate	Slurry bbls Stage	Slurry bbls Cumul	Clean bbls Stage	Clean bbls Cumul	Bld. Dens.	Bld Prop	Prop Total	Event Tag
2:48	38									Start Job
2:50	1,101	4	10	10	10	10				Breakdown
2:52	774	16	24	33	24	33				Acid Spear
3:01	2,760	69	451	484	451	484		0	0	Pad
3:05	2,261	68	236	720	226	710	1.00	9483	9,483	20/40 Brady
3:09	967	46	319	1,039	292	1002	2.00	24541	34,024	20/40 Brady
				1,039	0	1002	3.00	0	34,024	20/40 Brady
				1,039	0	1002	3.00	0	34,024	20/40 Super LC
				1,039	0	1002		0	34,024	Acid Spot
3:10	954	41	36	1,075	36	1038		0	34,024	Spacer
3:14	1,108	38	153	1,228	153	1191		0	34,024	Flush
	435			1,228	0	1191		0	34,024	ISIP
				1,228	0	1191		0	34,024	
				1,228	0	1191		0	34,024	
				1,228	0	1191		0	34,024	
				1,228	0	1191		0	34,024	
				1,228	0	1191		0	34,024	
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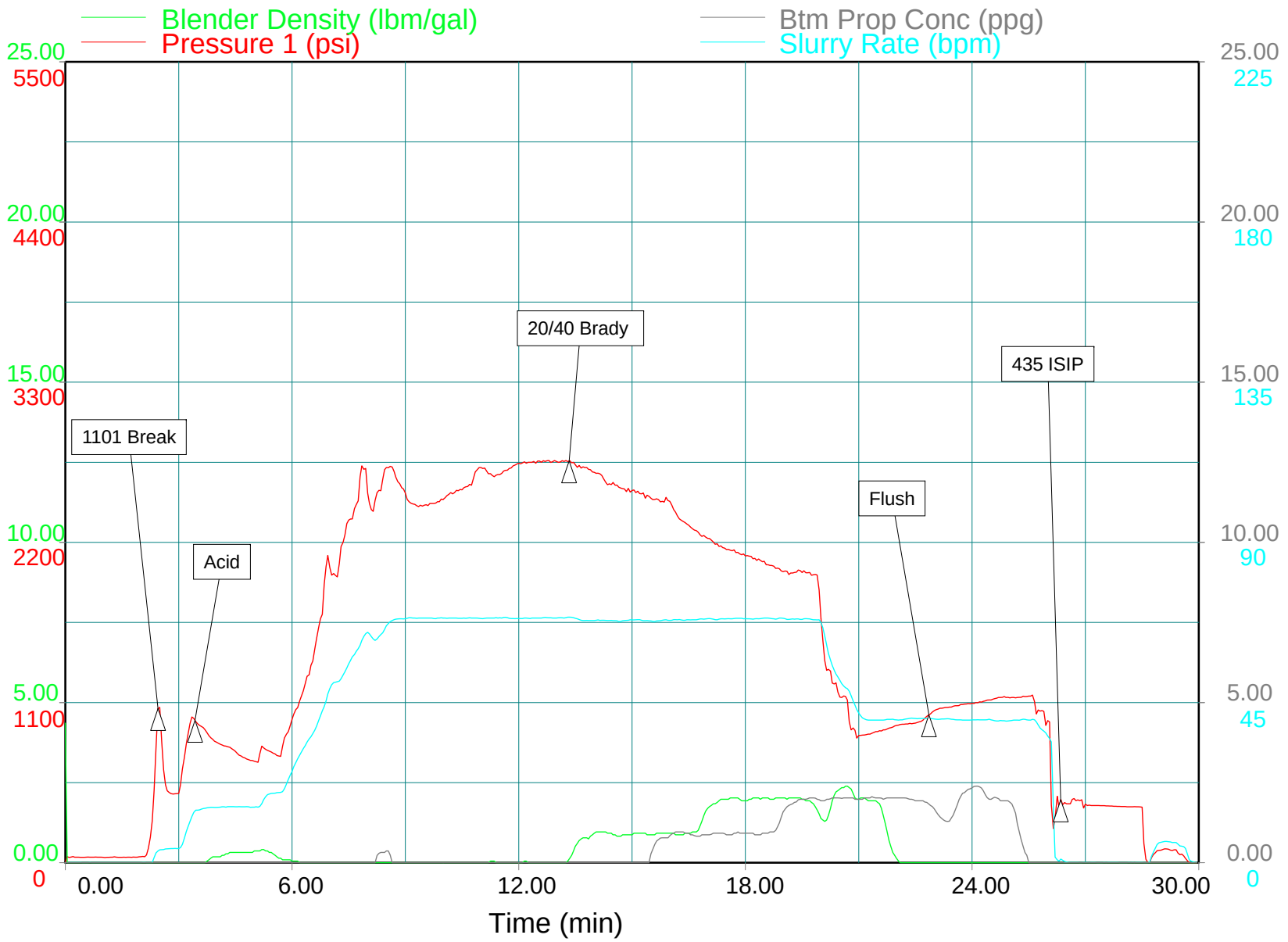
				1,228	0	1191		0	34,024	

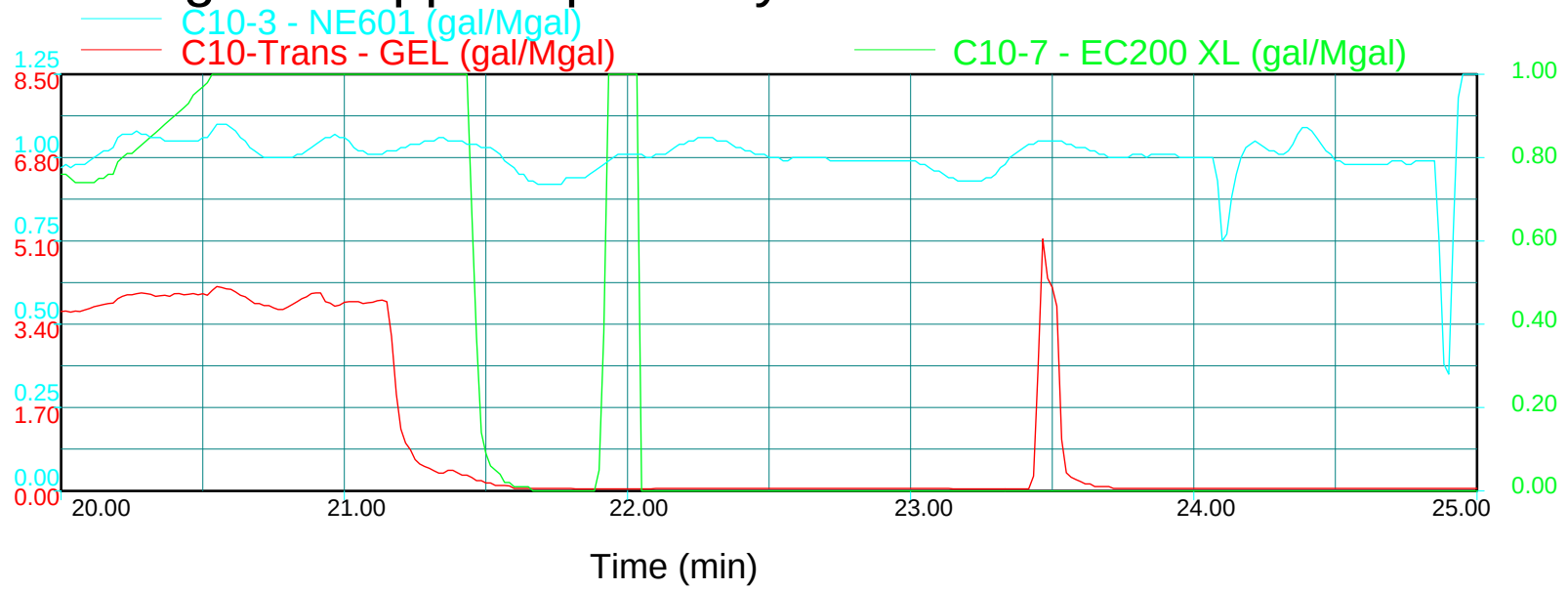
Pitts Energy - University 3-6 #2
Stage 4 - Upper Spraberry

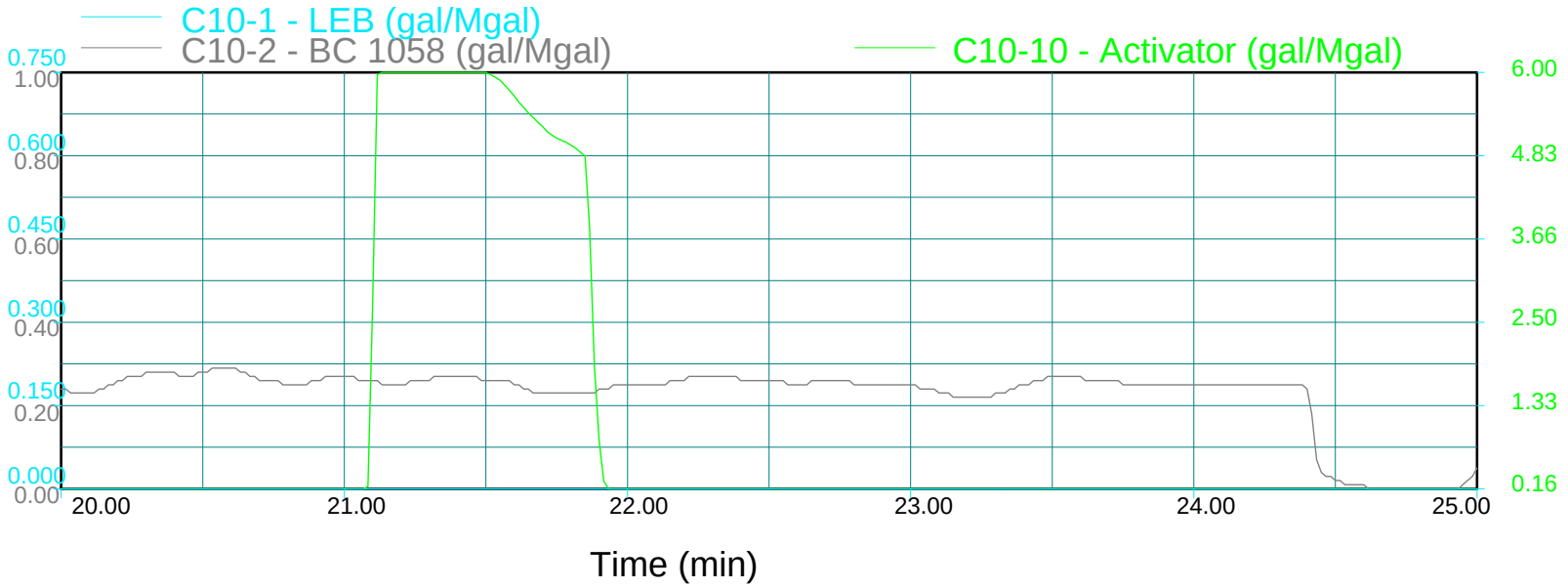


Primary Plot

3/30/2015

Pitts Energy - University 3-6 #2
Stage 4 - Upper Spraberry





Chemical Plot 3/30/2015

PROPETRO

Pitts Energy

University 6-3 #2

4/1/2015

Day 1
Day 2
Day 3
Day 4

CHEMICALS	STG 1	STG 2	STG 3	STG 4	STG 5	STG 6	STG 7	STG 8	STG 9	STG 10	STG 11	Acid	TOTAL
LEB01	1	0	0	0								#N/A	1
BC 1058	12	19	18	13								#N/A	62
NE 601	46	74	72	49								#N/A	241
EC200	12	55	53	39								#N/A	159
RC03 (Activator)	17	35	36	14								#N/A	102
LGW01	201	268	256	155								#N/A	880
BR01	55	80	75	58								#N/A	268
													0
													0
													0
													0
													0

FLUIDS	STG 1	STG 2	STG 3	STG 4	STG 5	STG 6	STG 7	STG 8	STG 9	STG 10	STG 11		TOTAL
CLEAN BBLS	1,199	1,833	1,809	1,191	0	0	0	0	0	0	0		6,031
DIRTY BBLS	1,239	1,934	1,910	1,228	0	0	0	0	0	0	0		6,311
ACID GALLONS	1,000	3,000	3,000	1,000									7,999

PROPPANT	STG 1	STG 2	STG 3	STG 4	STG 5	STG 6	STG 7	STG 8	STG 9	STG 10	STG 11		TOTAL
20/40 Brady Sand	31502	70,010	70,117	34,024									205,653
20/40 Super LC	6024	24,084	24,011	0									54,119
													0
													0
													0
													0
													0

BREAK	1,372	1,208	558	1,101	0	0	0	0	0	0	0
ISIP	1,584	1,545	637	435	0	0	0	0	0	0	0
PSI MAX	2,964	3,564	2,832	2,764							
PSI AVG	2,257	2,856	2,301	2,000							
RATE MAX	48	69	70	69							
RATE AVG	44.0	57.0	67.0	59.0							
TOP PERF	8,148	7,914	7,250	6,537	0	0	0	0	0	0	0
BOTTOM PERF	8,152	8,086	7,528	6,710	0	0	0	0	0	0	0
MID PERF	8,150	8,000	7,389	6,624	0	0	0	0	0	0	0
F.G.	0.63	0.63	0.52	0.50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

PROPETRO

FIELD INVOICE

SHIP TO:
Pitts Energy
University 6-3 #2
Upton County, TX

BILL TO:

INVOICE NUMBER	
DATE March 30, 2015	**PAGE** 1 of 1
CUSTOMER P.O.	**CURRENCY** USD
BRANCH PLANT	**B. PLANT PHONE #**
SALES ORDER NO.	**RELATED P.O. NO.**
MISCELLANEOUS	

DESCRIPTION	ITEM NUMBER	UOM	QTY USED	UNIT BOOK Price	TOTAL BOOK PRICE	DISCOUNTED UNIT PRICE	Extended Price
10.1% to 15% Uninhibited HCL Acid	HA04	gl	8,000	$3.60	$28,800.00	$1.26	$10,080.00
IC-5 - Pro Iron Control	IC05	gl	40	$31.60	$1,264.00	$9.48	$379.20
CI-200 - Corrosion Inhibitor	CI200	gl	16	$45.60	$729.60	$13.68	$218.88
NE-601 - Non-Emulsifier/Surfactant	NE601	gl	241	$31.63	$7,622.83	$6.33	$1,524.57
Liquid Gellant	LGW01	gl	880	$175.95	$154,836.00	$17.60	$15,483.60
BC-1058 Liquid Biocide	BC1058	gl	62	$58.50	$3,627.00	$14.63	$906.75
BR-1 - Chemical Gel Breaker	BR01	lb	275	$6.88	$1,892.00	$2.06	$567.60
EC200 - Internally Buffered Crosslinker	EC200	gl	159	$36.00	$5,724.00	$7.20	$1,144.80
LEB-1 - Liquid Enzyme Breaker (Low Temp)	LEB01	gl	1	$256.00	$256.00	$51.20	$51.20
Activator "Water Base"- For Curable Resin Sands	RC03	gl	102	$70.00	$7,140.00	$14.00	$1,428.00
20/40 Brady Sand	SP02	cwt	2,057	$22.00	$45,254.00	$5.50	$11,313.50
20/40 Super LC	RC05	lb	54,119	$0.80	$43,295.20	$0.28	$15,153.32
Sand Master Services	ST15	ea/day	2	$2,600.00	$5,200.00	$338.00	$676.00
Delivery Charge, Proppant	D05	tm	19,969	$2.70	$53,916.30	$0.68	$13,479.08
4" Valve Rental	SE04	ea/day	2	$1,000.00	$2,000.00	$130.00	$260.00
Crane Truck	CT01	day	1	$1,900.00	$1,900.00	$247.00	$247.00
Discharge Trailer	DT01	ea/day	1	$7,500.00	$7,500.00	$975.00	$975.00
Computer Blender, 1st 2 hrs, 41 - 50 BPM	FB05	ea	1	$6,000.00	$6,000.00	$780.00	$780.00
Computer Blender, After 1st 2 hrs per unit, 61 - 70 BPM	FB20	hr	1	$2,000.00	$2,000.00	$260.00	$260.00
Hydration Unit, first 2 hrs	HU001	ea	1	$7,130.00	$7,130.00	$926.90	$926.90
Hydration Unit, after initial 2 hrs	HU002	hr	1	$1,780.00	$1,780.00	$231.40	$231.40
Chemical Additive Unit - 1st 2 hours	CA01	ea	1	$1,500.00	$1,500.00	$195.00	$195.00
Chemical Additive Unit - After 1st 2 hours	CA02	hr	1	$400.00	$400.00	$52.00	$52.00
Minimum Charge 2000 HHP Unit, first 2 hrs	HH20	ea	6	$11,770.00	$70,620.00	$1,530.10	$9,180.60
Minimum Charge 2000 HHP Unit, after 2 hrs	HH25	hr	6	$3,924.00	$23,544.00	$510.12	$3,060.72
Compu-Frac Monitoring Van	CV02	day	1	$5,933.00	$5,933.00	$1,483.25	$1,483.25
Densiometer	DM01	ea	1	$1,280.00	$1,280.00	$166.40	$166.40
QC Van & Operator	QC01	day	1	$2,157.00	$2,157.00	$280.41	$280.41
Unit Mileage - Auto, Pick-up or Van	M01	mi	660	$4.00	$2,640.00	$0.52	$343.20
Unit Mileage - Heavy Equipment	M02	mi	1,980	$7.00	$13,860.00	$0.91	$1,801.80
Stimulation Chemical Truck (4 hr min)*	SCT01	hr	16	$348.00	$5,568.00	$45.24	$723.84
Acid Transport - 4 hour minimum	D01	hr	16	$214.00	$3,424.00	$27.82	$445.12
Prop Concentration Charge, 0.1 to 4.0 lb/gal	CC00	gl	155,750	$0.14	$21,805.00	$0.02	$2,834.65
Safety Shower Trailer	SST01	e	1	$350.00	$350.00	$350.00	$350.00
Personnel Charge	PSE02	ea	1	$3,000.00	$3,000.00	$3,000.00	$3,000.00
Proppant Return Mileage	ICS09	tm	2,000	$2.00	$4,000.00	$2.00	$4,000.00
ProPetro Services (such term shall include any subsidiary, division or affiliate of ProPetro Services Inc.) will provide the requested equipment, materials or services to its customer.		**Total Book Price:**		**$61,540.40**	**$547,947.93**	**Customer Discounted Total:**	**$104,003.78**

Print Name: _____

ProPetro Services Representative:_____ **Signature:** _____