



Depend on US

Post Job Report

Merit Energy

Crossbow 1-11

8/19/2016

8.625" Surface Casing

Grant County, KS





Merit Energy
Crossbow 1-11
Grant County, KS

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1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well Crossbow 1-11.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2000 psi. After a successful test we began the job by pumping 10 bbls of Fresh Water spacer. We then mixed and pumped the following cements:

168.04 bbl	370 Sacks of 12.1 ppg
Class A Slurry -	2.55 Yield

- 2.0% Sodium Metasilicate
- 2.0% Gypsum
- 4.0% Gel
- 2.0% Sodium Chloride
- 3.0 % Calcium Chloride
- 0.25 lb Cellophane Flake

- 39.58 bbl
- 175 Sacks of 15.2 ppg
- Class A Slurry -
- 1.27 Yield
- 2.0 % Calcium Chloride
- 0.25 lb Cellophane Flake

The top plug was then released and displaced with 91.5 Bbls of Fresh Water. The plug bumped and was pressured to 1200 psi. Upon release the floats held. 60 bbl cement returned to the pit.

All real time data can be view in the Job Summary section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

Job Number: Lib1608191145	Job Purpose	01 Surface
Customer: MERIT ENERGY COMPANY	Date:	8/19/2016
Well Name: Crossbow	Number: 1-11	API/UWI: 46652
County: Grant	City:	State: KS
Cust. Rep:	Phone:	Rig Phone:
Distance	50 miles (one way)	Supervisor Lenny Baeza

Employees:	Emp. ID:	Employees:	Emp. ID:
Lenny B.		Jose C.	
Ramon E.		Cristian C.	

Equipment:	
994-550	1080-842
870-744	

Materials - Pumping Schedule

STAGE #1

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	370	12.10	2.55	14.86
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	175	15.19	1.27	5.75
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	91.57695897	8.33	n/a	n/a

Slurry: Lead 1		Slurry Name: ALLIED MULTI-DENSITY CEMENT - CLASS A Light				
Quantity:	370 sacks	Blend Vol:	466.41 cu.ft.	Blend Weight:	39706.80012 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	34780.0	lbm	
CA-500	GYPSUM	1.88	% BWOC	695.6	lbm	
CA-400	SODIUM METASILICATE	1.88	% BWOC	695.6	lbm	
Cgel	GEL - BENTONITE	3.76	% BWOC	1391.2	lbm	
CA-200	SODIUM CHLORIDE	2.475676	% BWOW	916.0	lbm	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1043.4	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	185.0	lbm	
Water	Mixing Water	14.86	gal/sk	5498.2	gal	

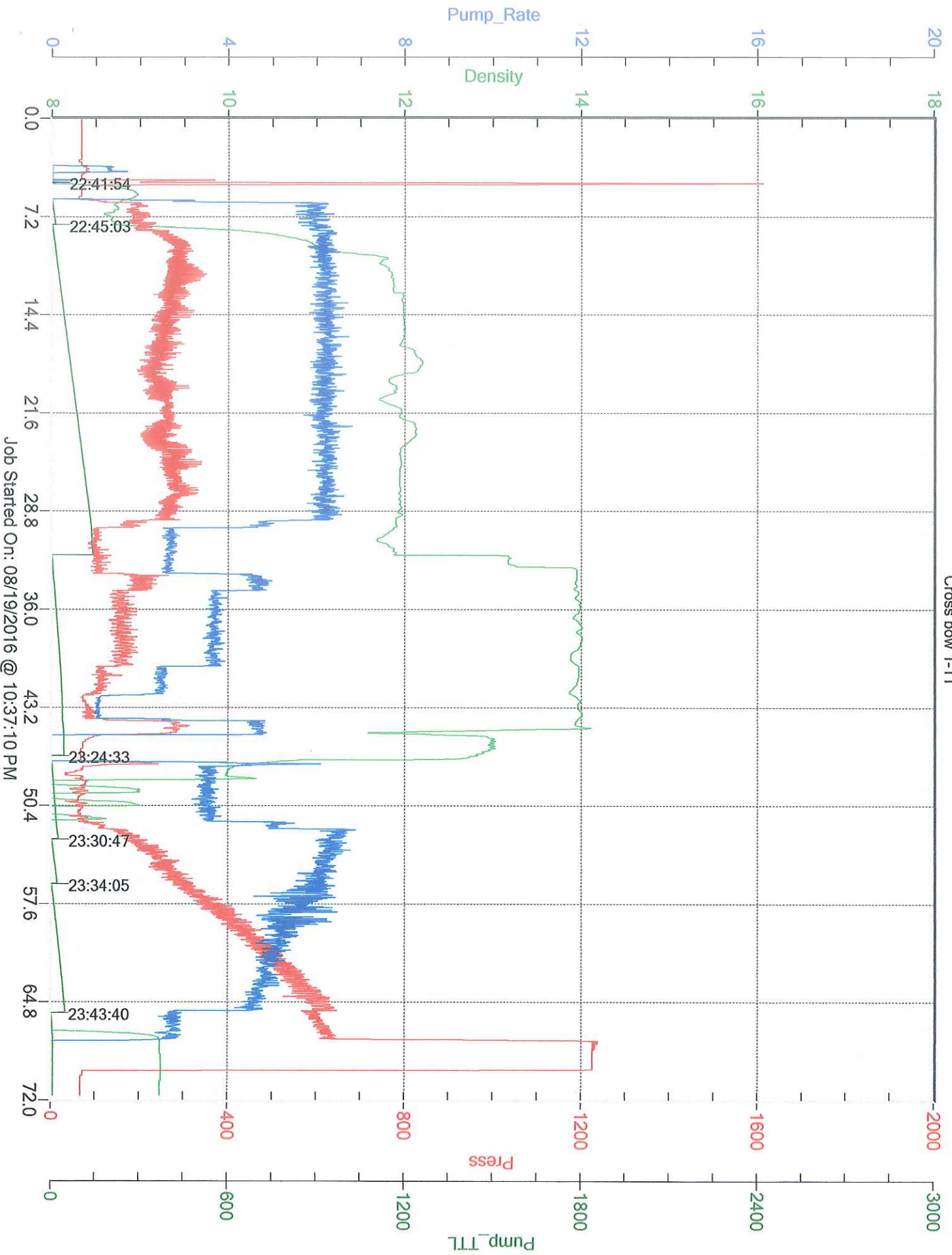
Slurry: Tail 1		Slurry Name: CLASS A COMMON				
Quantity:	175 sacks	Blend Vol:	187.35 cu.ft.	Blend Weight:	16866.5 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	16450.0	lbm	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	329.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	87.5	lbm	
Water	Mixing Water	5.75	gal/sk	1006.3	gal	

Job Number: Lib1608191145	Job Purpose	01 Surface
Customer: MERIT ENERGY COMPANY	Date:	8/19/2016
Well Name: Crossbow	Number: 1-11	API/UWI:
County: Grant	City:	State: KS
Cust. Rep:	Phone:	Rig Phone: 0
Distance	50 miles (one way)	Supervisor Lenny Baeza

Cement Job Summary

DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
		CASING	ANNULUS	VOLUME	RATE (BPM)	
8/19/2016	8:30pm					ARRIVE ON LOCATION
	9:30pm					Rigging up and well head
	10:20pm					Safeting meeting with companyman / rig crew
	10:42pm					Pressure test lines
				10	5	10 bbls of water ahead
	10:45pm			178	6	Mixing Lead Cement
	11:08pm			217	4	Mixing Tail Cement
	11:20pm			217	0	Shut dow no release plug
	11:24pm					Plug Released and starting displacement
	11:30pm	160		237	5	20 bbls
	11:34pm	280		257	5	40 bbls
	11:39pm	430		277	5	60 bbls
	11:42pm	570		297	5	80 bbls
	11:45pm	590		302	3	85bbls gone slowing down
	11:45pm	620-1200		308	3	91.5 bbls gone landed plug
						Holding psi for little
						Released psi and floats
						Holding
	1:00am					Leaving location
						40bbl of Cement to Surface

Merit Energy Cross bow 1-11





CEMENT MIXING WATER GUIDELINES

Company Name:

MERIT ENERGY COMPANY

Lease Name:

Crossbow # 1-11

County

State

Grant

KS

Water Source:

TANK

Submitted By:

Date:

Lenny Baeza

8/19/2016

pH Level

Good

Must be less than 8.5

Sulfates

Good

Must be less than 1,000 PPM

Chlorides

Good

Must be less than 3,000 PPM

Temperature

68

Must be less than 100 deg F

COMMENTS

[Empty box for comments]

Thank You

Customer Signature

[Handwritten Signature]



Customer: MERIT ENERGY COMPANY
Date: Friday, August 19, 2016
Well Name: Crossbow # 1-11
Well Location: _____
Supervisor: Lenny Baeza

Equipment Operators: Lenny B. - Jose C. - Ramon E. - Cristian C.

Performance	Customer	
Was the appearance of the personnel and equipment satisfactory?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the job performed in a professional manner?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were the calculations prepared and explained properly?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were the correct services dispatched to the job site?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were the services performed as requested?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the job site environment remain unchanged?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the equipment perform in the manner expected?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the materials meet your expectations?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the crew prepared for the job?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the crew prompt in the rig-up and actual job?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Were reasonable recommendations given, as requested?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Did the crew perform safely?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Was the job performed to your satisfaction?	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Customer Signature:

Rody Arzola

Date: 8-19-16

Additional Comments:

Bad job!