



Depend on US

Post Job Report

Merit Energy

Dovetail 16-1

8/25/2016

8.625" Surface Casing

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 Dovetail 16-1.

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 93 Bbls of Fresh Water. The plug bumped and was pressured to 900 psi. Upon release the floats held. 70 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.



Cement Job Summary

Job Number: LIB1608251238	Job Purpose	01 Surface
Customer: MERIT ENERGY COMPANY	Date:	8/25/2016
Well Name: Dovetail	Number: 16-1	API/UWI: 46655
County: Grant	City:	State: KS
Cust. Rep:	Phone:	Rig Phone:
Distance	50 miles (one way)	Supervisor Aldo Espinosa

Employees:	Emp. ID:	Employees:	Emp. ID:
ALDO ESPINOZA			
CRISTIAN CAMACHO			
ALEX AYALA			
CORY BROWN			

Equipment:
984-
1071-545
955-554
774-1066

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	96	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: LIB1608251238	Job Purpose	01 Surface
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Well Name: Dovetail	Number: 16-1	API/UWI:
County: Grant	City:	State: KS

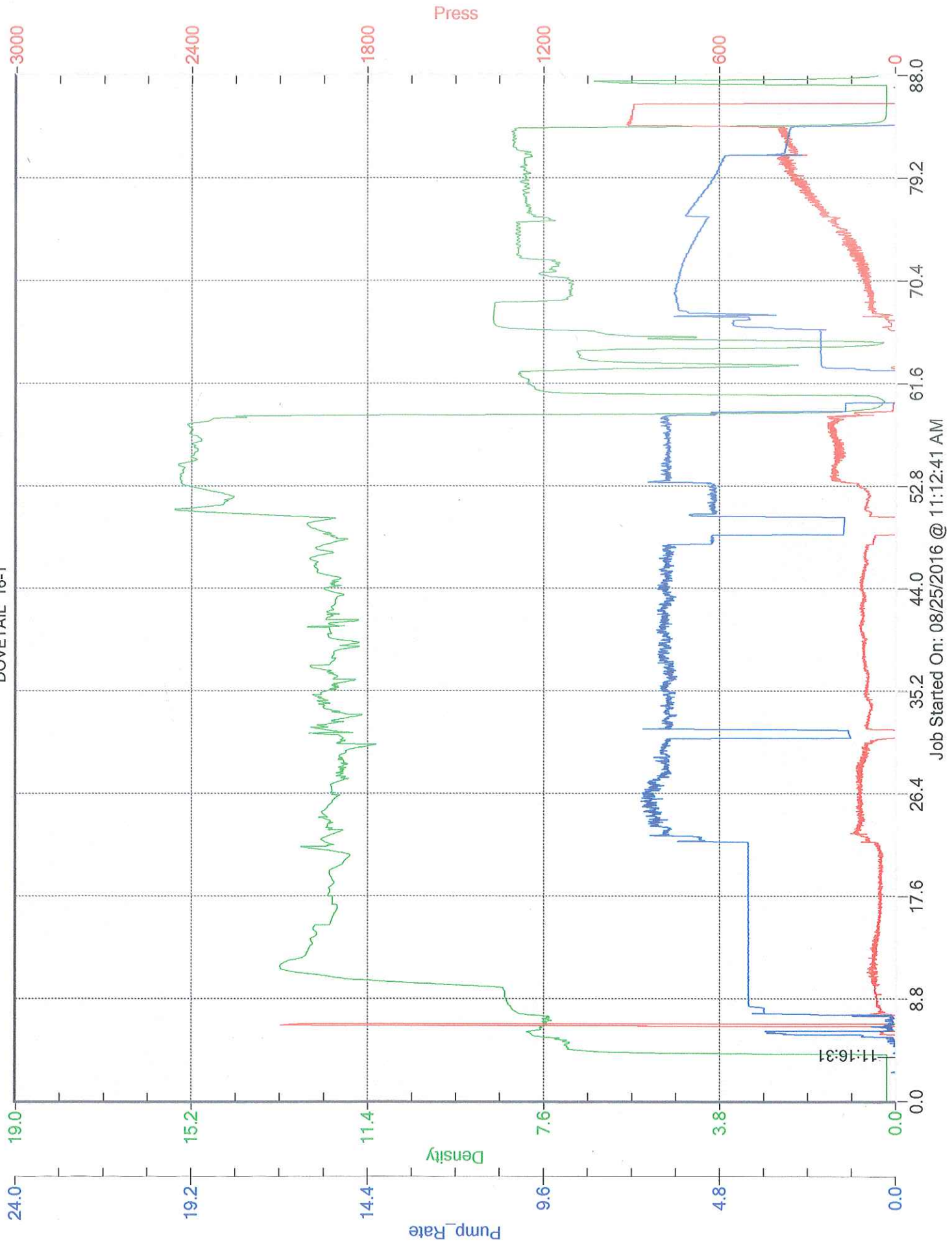


Cement Job Summary

Cust. Rep:		Phone:		Rig Phone:		0	
Distance			50 miles (one way)		Supervisor		Aldo Espinosa
DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS	
		CASING	ANNULUS	VOLUME	RATE (BPM)		
8/25/2016	800am					ARRIVE ON LOCATION	
	830am					rig up	
	1045am					casing on bottom, rig up head	
	1052am					brake circulation	
	1100am					safety meeting	
	1118am	2000			1	pressure test lines 2000 psi	
	1120am	80		168	5	370sk/168 bbl lead cement	
	1200pm	200		40	5	175sk/40 bbl tail cement	
	1216pm				3	release plug	
	1217pm	60			3	start displacement	
	1221pm	90		20	6	20 bbl gone	
	1225pm	140		20	6	40 bbl gone	
	1229pm	240		20	6	60 bbl gone	
	1233pm	380		20	6	80 bbl gone	
	1235pm	390		15	3	85 bbl gone, slow down	
	1238pm	400-900		8	3	93 bbl bump plug	
	1243pm	900				check floats	
	110pm					rig down	
	130pm					leave location	
						good circulation during job	
						70 bbl of cement back to	
						surface	
						thanks	

MERIT ENERGY

DOVETAIL 16-1



Job Started On: 08/25/2016 @ 11:12:41 AM



Customer: MERIT ENERGY COMPANY
Date: Thursday, August 25, 2016
Well Name: Dovetail # 16-1
Well Location:
Supervisor: Aldo Espinosa

Equipment Operators: ALDO ESPINOZA - CRISTIAN CAMACHO - ALEX AYALA

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

Customer Signature:

Date:

8-25-16

Additional Comments:

Good Job!



CEMENT MIXING WATER GUIDELINES

Company Name:

MERIT ENERGY COMPANY

Lease Name:

Dovetail # 16-1

County

Grant

State

KS

Water Source:

TANK

Submitted By:

Aldo Espinosa

Date:

8/25/2016

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

70

Must be less than 100 deg F

COMMENTS

[Empty box for comments]

Thank You

Customer Signature