ALLIED OFS, LLC

Depend on US

Post Job Report

Merit Energy

White Bear 16-1
9/28/2016
5.5” Production Casing
Haskell 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 White Bear 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 2500 psi. After a successful test we began the job by plugging the rat hole and mouse hole with 50 sacks of ASC and then began pumping 12 bbls of HiVis Sweep spacer. We then mixed and pumped the following cements:

109.42 bbl	320 Sacks of 13.6 ppg
Class A Slurry -	1.92 Yield

10.0% Salt
6.0% Gypsum
2.0% Gel
0.5% CFL-210
5.0 lb Kol-Seal
0.25 lb Cellophane Flake

The top plug was then released and displaced with 130 Bbls of Fresh Water. The plug bumped and was pressured to 2500 psi. Upon release the floats held.

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.

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Cement Job Summary

Job Number:	Lib1609281721	Job Purpose	02 Production/Long String		
Customer:	MERIT ENERGY COMPANY			Date:	9/28/2016
Well Name:	White Bear		Number: 16-1	API/UWI:	
County:	Haskell	City:		State:	KS
Cust. Rep:		Phone:		Rig Phone:	
Legal Desc:				Rig Name:	Duke Drilling#9
Distance	50 miles (one way)		Supervisor: Hector Esqueda		

Employees:	*Emp. ID:*	*Employees:*	*Emp. ID:*
Hector E.		Carlos I.	
Jose C.			

Equipment:	
903-541	1080-842

Well Information						
Open Hole Section						
Description:	**Size (in):**	**Excess**	**Top MD (ft)**	**Btm MD (ft)**		
OPEN HOLE	7 7/8	30%	3000	5,700	TAIL CEMENT	
OPEN HOLE	7 7/8			3,000	LEAD CEMENT	
OPEN HOLE	7 7/8					
OPEN HOLE	7 7/8					
Tubulars						
Description:	**Size (in):**	**Wgt. (lb/ft)**	**ID (in)**	**Grade:**	**Top MD (ft)**	**Btm MD (ft)**
PREVIOUS CASING	8 5/8	24	8.097	J55	0	1,480
TOTAL CASING	5 1/2	17	4.892	J55	0	5,700
SHOE	5 1/2	17	4.892	J55	5,658	5,700

Materials - Pumping Schedule					
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	370	13.60	1.92	9.56
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	173.9	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	1850.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	92.5	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Displacement	131.5269935	8.33	n/a	n/a

Job Number:	Lib1609281721	Job Purpose	02 Production/Long String		
Customer:	MERIT ENERGY COMPANY			Date:	9/28/2016
Well Name:	White Bear		Number: 16-1	API/UWI:	
County:	Haskell	City:		State:	KS
Cust. Rep:		Phone:		Rig Phone:	0
Distance	50 miles (one way)			Supervisor	Hector Esqueda

TIME	**PRESSURE - (PSI)**		**FLUID PUMPED DATA**		**COMMENTS**
AM/PM	**CASING**	**ANNULUS**	**VOLUME**	**RATE (BPM)**	
13:30					arrived to location

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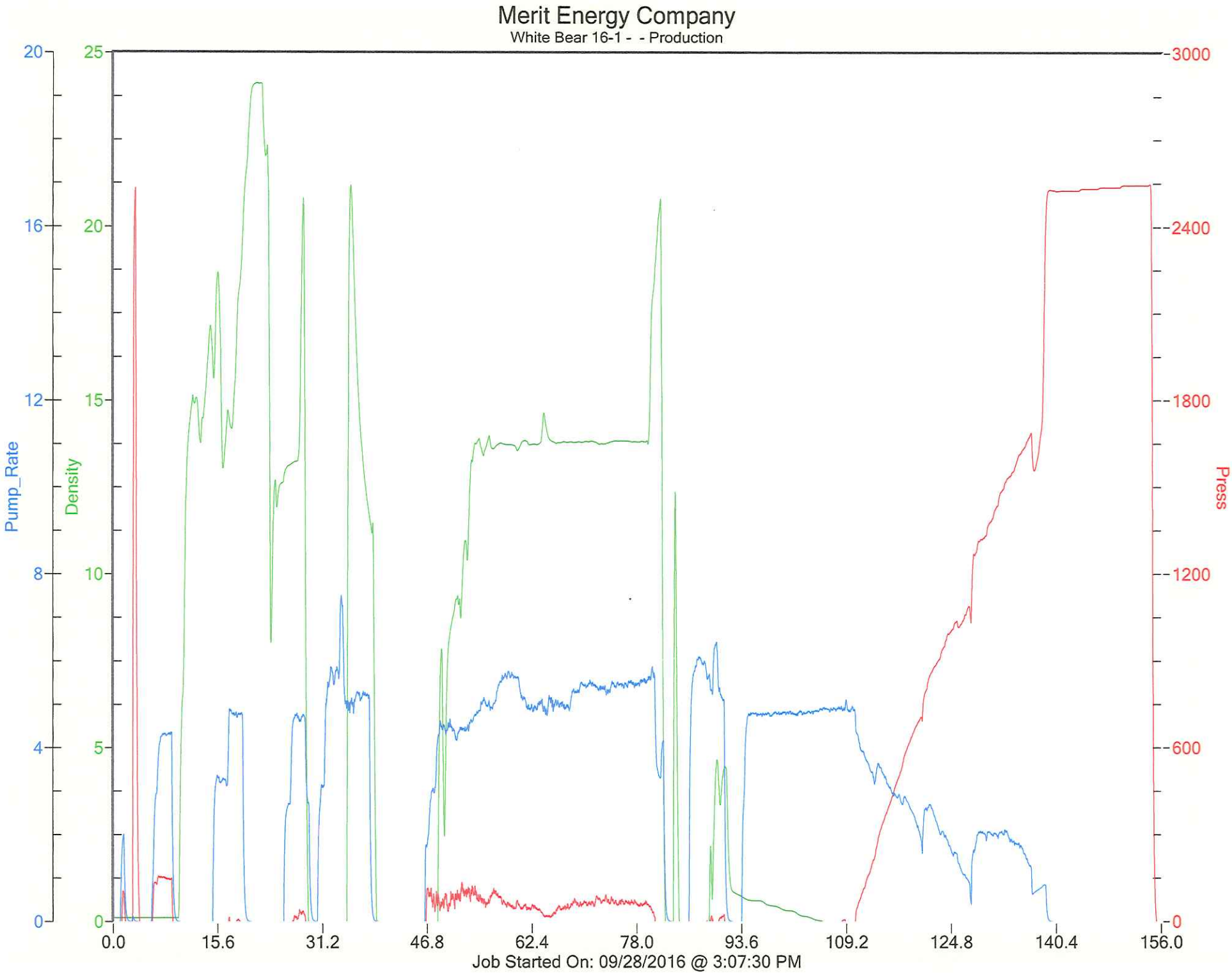
Cement Job Summary

13:45					rig up iron
15:05	2500				pessure test to 2500 psi
15:08	120		12	3	start pumping the 12 bbl hivis sweep
15:09	160			4	increased rate on the sweep
15:11					shut down and close manifold open
					up one inch valve to plug up rat hole
15:18	0		10	3.4	start plugging the rat hole
15:26					shut down and swich stand pipe to the
					mose hole to plug it
15:28	0		6	2.7	start plugging the mouse hole
15:33					shut down and switch over to wash up my
					tanks over to the pit
15:44	170		109	5	start tail cement @ 13.6#
16:25					shut down (drop the plug)
					and close in manifold to wash up to the pit
16:28					wash up tub and truck
16:34					shut down! Shut the one inch valve
					and open up the top valve on manifold
					to start displacement
16:36	0		130	5	start displacement
16:41			20	5	20 bbls gone
16:45			40	5	40 bbls gone
16:49			60	5	60 bbls gone
16:56	170		80	3.7	80 bbls gone
17:01	670		100	2.5	100 bbls gone
17:13	1380		120	2	120 bbls gone
17:21	2500		130	0	plug landed @ 2500PSI
					(shut down) hols pressure @ 2500psi for
					15 minutes to test the casing
17:36	0				released pressure plug held good
					rig down
					released from location @ 1900


Merit Energy Company
White Bear 16-1 - - Production
Pump_Rate
Density
Press
20
16
12
8
4
0
25
20
15
10
5
0
3000
2400
1800
1200
600
0
0.0
15.6
31.2
46.8
62.4
78.0
93.6
109.2
124.8
140.4
156.0
Job Started On: 09/28/2016 @ 3:07:30 PM

ALLIED
OIL & GAS SERVICES, LLC

CEMENT MIXING WATER GUIDELINES

Company Name: **MERIT ENERGY COMPANY**

Lease Name: **White Bear # 16-1**

County: **Haskell** State: **KS**

Water Source: **TANK**

Submitted By: **Hector Esqueda** Date: **9/28/2016**

pH Level	7	Must be less than 8.5
Sulfates	400	Must be less than 1,000 PPM
Chlorides	0	Must be less than 3,000 PPM
Temperature	64	

COMMENTS

Customer Signature

Thank You

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Customer:	MERIT ENERGY COMPANY
Date:	Wednesday, September 28, 2016
Well Name:	White Bear # 16-1
Well Location:	
Supervisor:	Hector Esqueda

Equipment Operators: Carlos I, and Jose C.

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

Customer Signature: Date: 9-28-16

Additional Comments:

Good Job!