

HALLIBURTON

iCem[®] Service

CRESTONE PEAK RESOURCES-EBUS

Ft. Lupton District, COLORADO

Prosper Farms 4-65 11-12 4BH Production

Job Date: Sunday, November 27, 2022

Sincerely,

Meghan Van Zyl

Legal Notice

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Prosper Farms 4-65 11-12 4BH** cement **Production** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Approximately 52 bbls of cement were returned to surface.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton Fort Lupton

Sold To #: 324725	Ship To #: 9146049	Quote #:	Sales Order #: 0908258723
Customer: CRESTONE PEAK RESOURCES-EBUS		Customer Rep: Sam	
Well Name: PROSPER FARMS 4-65 11-12		Well #: 4BH	API/UWI #: 05-005-07508
Field:	City (SAP): WATKINS	County/Parish: ARAPAHOE	State: COLORADO
Contractor: PATTERSON-UTI ENERGY		Rig/Platform Name/Num: PATTERSON 345	
Job BOM: 7523 7523			
Well Type: OIL			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor: Kyle Bath	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	18350ft	Job Depth TVD	
Water Depth	Wk Ht Above Floor		
Perforation Depth (MD)	From		To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36			0	3532	0	0
Casing	0	5.5	4.778	20			0	18350	0	7800
Open Hole Section			8.5				3532	18360	0	7800

Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5			18350		Top Plug	5.5	1		
Float Shoe	5.5					Bottom Plug	5.5	1		
Float Collar	5.5					SSR plug set	5.5			HES
Insert Float	5.5					Plug Container	5.5	1		HES
Stage Tool	5.5					Centralizers	5.5	315		

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Tuned Prime Cement Spacer	TUNED PRIME CEMENT SPACER SYS	50	bbl	11.5	3.74	24.17	6	1814	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
2	ElastiCem	SBM CEM ELASTICEM™ SYS	720	sack	13	1.66	8.23	8	5925
3	IsoBond(tm)	SBM CEM FDP-C1371 SYS	610	sack	13	1.55	7.14	8	4355
4	ElastiCem	SBM CEM ELASTICEM™ SYS	1570	sack	13.2	1.59	7.78	8	12214
5	MMCR Displacement	MMCR Displacement	20	bbl	8.33			10	840
6	Displacement Water	Displacement Water	387	bbl	8.34			9.31	16254
Comment 985bbbls mix water total used.									

2.0 Real-Time Job Summary

2.1 Job Event Log

Seq No.	Activity	Date	Time	Dwnhole Density (ppg)	Cmb Pump Rate (bbl/min)	Pump A Pressure (psi)	Cmb Stg Total (bbl)	Comments
1	Call Out	11/26/2022	05:00:00					CREW CALLED OUT, REQUESTED ON LOCATION @ 18:00
2	Arrive at Location from Service Center	11/26/2022	10:00:00					CREW ROLLED OVER FROM RIG NEXT DOOR, CREW ON LOCATION, RECIEVED NUMBERS FROM CO REP, TD 18360, TP 18350, SJ 5, CSG 5.5 20#, PREV CSG 9 5/8 36# @ 3532, HOLE 8.5, MUD 9.3, TVD 7800, 315 CENTRALIZERS, WATER TEST, TEMP 70, PH 7, CHLORIDES 0
3	Assessment Of Location Safety Meeting	11/26/2022	16:00:00					ASSESSMENT OF LOCATION SAFETY MEETING WITH ALL HES EE'S TO DISCUSS SITE SPECIFIC HAZARDS
4	Safety Meeting - Pre Rig-Up	11/26/2022	16:15:00					PRE RIG UP SAFETY MEETING WITH ALL HES EE'S TO DISCUSS HAZARDS BEFORE RIGGING UP
5	Safety Meeting - Pre Job	11/26/2022	20:00:00	-1.14	0.00	-16.59	0.30	PRE JOB SAFETY MEETING WITH ALL HES EE'S, RIG HANDS AND CO REP TO DISCUSS HAZARDS DURING JOB
6	Start Job	11/26/2022	21:41:50	8.45	0.00	-8.79	8.42	START RECORDING DATA
7	Drop Bottom Plug	11/26/2022	21:42:07	8.55	0.00	-7.66	0.00	LAUNCH BOTTOM PLUG
8	Test Lines	11/26/2022	21:43:34	8.92	0.00	372.32	1.78	TEST LINES TO 5410 PSI
9	Pump Spacer 1	11/26/2022	21:51:09	8.63	0.00	164.93	0.00	PUMP 50 BBLS TUNED PRIME SPACER 11.5 PPG, 6 BPM 600 PSI

10	Pump Cap Cement	11/26/2022	21:58:47	11.79	6.00	496.75	0.10	MIX AND PUMP 720 SKS 212.9 BBLS CAP CEMENT 13 PPG, 1.66 FT3/SK, 8.23 GAL/SK, 6 BPM 600 PSI, CALCULATED TOCC SURFACE
11	Pump Lead Cement	11/26/2022	22:23:34	12.70	8.09	515.99	0.13	MIX AND PUMP 610 SKS 168.4 BBLS LEAD CEMENT 13 PPG, 1.55 FT3/SK, 7.14 GAL/SK, 9 BPM 900 PSI, CALCULATED TOLC 3349
12	Pump Tail Cement	11/26/2022	22:42:51	12.99	8.98	816.18	0.07	MIX AND PUMP 1570 SKS 444.5 BBLS TAIL CEMENT 13.2 PPG, 1.59 FT3/SK, 7.78 GAL/SK, 9 BPM 620 PSI, CALCULATED TOTC 7455
13	Shutdown	11/26/2022	23:36:59	13.43	0.00	58.80	452.01	SHUTDOWN, WASH PUMPS AND LINES TO TANK
14	Drop Top Plug	11/26/2022	23:44:47	7.42	0.00	11.77	463.81	LAUNCH TOP PLUG
15	Pump Displacement	11/26/2022	23:44:49	7.42	0.00	11.73	463.81	PUMP 407 BBLS FRESH WATER DISPLACEMENT, FIRST 20 BBLS W/MMCR, 10 BPM 3200 PSI, RECEIVED 50 BBLS TUNED PRIME SPACER AND 52 BBLS CEMENT TO SURFACE
16	Bump Plug	11/27/2022	00:32:08	8.69	0.00	3095.29	406.14	BUMP PLUG AT 2650 PSI TOOK TO 3170 PSI
17	Check Floats	11/27/2022	00:34:18	8.67	0.00	3216.70	406.14	CHECK FLOATS, TOOK 4.5 BBLS BACK
18	End Job	11/27/2022	00:35:53	8.47	0.00	43.53	0.00	STOP RECORDING DATA, USED 994 BBLS FRESH WATER FOR JOB
19	Safety Meeting - Pre Rig-Down	11/27/2022	00:37:00					PRE RIG DOWN SAFETY MEETING WITH ALL HES EE'S TO DISCUSS HAZARDS ASSOCIATED WITH RIGGING DOWN
20	Depart Location Safety Meeting	11/27/2022	01:45:00					PRE DEPARTURE SAFETY MEETING WITH ALL HES EE'S TO DISCUSS ROUTES AND HAZARDS ASSOCIATED WITH THE JOURNEY
21	Crew Leave Location	11/27/2022	02:15:00					THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW.

3.0 Attachments

3.1 Real Time iCem Job Chart

