

HALLIBURTON

iCem[®] Service

Highpoint Resources

Ft. Lupton District, COLORADO

Date: Friday, May 03, 2019

ANSHUTZ EQUUS FARMS 5-61-35-3340B Intermediate

Job Date: Friday, May 03, 2019

Sincerely,

MITCHELL CAMPER

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The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 3931225		Quote #:		Sales Order #: 0905674451				
Customer: HIGHPOINT RESOURCES CORP-EBUS				Customer Rep: GOOSE						
Well Name: ANSCHUTZ EQUUS FARMS			Well #: 5-61-35-3340B		API/UWI #: 05-123-49226-00					
Field: WATTENBERG		City (SAP): ROGGEN		County/Parish: WELD		State: COLORADO				
Legal Description: NE SE-34-5N-61W-1686FSL-300FEL										
Contractor: CADE DRLG				Rig/Platform Name/Num: CADE 24						
Job BOM: 7522 7522										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA/H139013				Srv Supervisor: Lance Carpenter						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		6244		Job Depth TVD		5816				
Water Depth				Wk Ht Above Floor		4				
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	0	9.625	8.921	36			0	1011	0	1011
Casing	0	7	6.366	23			0	6229	0	5816
Open Hole Section			8.75				1011	6244	1011	5816
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	7			6182.6		Top Plug	7	1	HES	
Float Shoe	7					Bottom Plug	7		HES	
Float Collar	7					SSR plug set	7		HES	
Insert Float	7					Plug Container	7	1	HES	
Stage Tool	7					Centralizers	7		HES	
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft³/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Water Based Spacer	Water Based Spacer	40	bbl	8.33					

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	13.2# ElastiCem	ELASTICEM (TM) SYSTEM	745	sack	13.2	1.57		8	7.53	
7.53 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	Displacement fluid		243	bbl	8.33					
Cement Left In Pipe		Amount	46 ft		Reason			Shoe Joint		
Mix Water:		Ph 7	Mix Water Chloride:			100 ppm		Mix Water Temperature:		65 F
Cement Temperature:			Plug Displaced by:			## lb/gal kg/m3 XXXX		Disp. Temperature:		## °F °C
Plug Bumped?		Yes	Bump Pressure:			1745 psi		Floats Held?		Yes
Cement Returns:		3 bbl	Returns Density:			## lb/gal		Returns Temperature:		
Comment <p>JOB WENT GOOD, CEMENT WAS WEIGHED AND VERRIFIED ON SCALES. PUMPED 243 BBLS OF DISPLACEMENT WATER AT 8BPM CAUGHT PRESSURE AT 88 BBLS AWAY SLOWED RATE TO 3BPM TO BUMP BROUGHT 500PSI OVER AND DID A 15 MIN CASING TEST AT 1500 PSI, CHECKED FLOATS 1.5 BBLS BACK.</p> <p>3BBLS OF CEMENT TO SURFACE</p>										

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (gpm)	Pump Stg Tot (gal)	Comments
Event	1	Call Out	Call Out	5/2/2019	17:00:00	USER					CALL OUT.
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	5/2/2019	19:00:00	USER					HAD PRE CONVOY SAFETY MEETING WITH HES CREW AND DISCUSSED ROUTE TO LOCATION AND SAFE FOLLOWING DISTANCES.
Event	3	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	5/2/2019	21:30:00	USER					HAD PRE RIG UP SAFETY MEETING WITH HES CREW AND DISCUSSED USING A SPOTTER WHILE BACKING, 40' BUFFER ZONE PINCH POINTS, TEAM CARRY AND GOOD COMMUNICATION.
Event	4	Safety Meeting	Safety Meeting	5/2/2019	22:30:00	USER					HAD SAFETY MEETING WITH RIG CREW AND DISCUSSED MUSTER AREA, NEAREST HOSPITAL, SLIP TRIPS AND FALLS. 40' BUFFER ZONE. PRESSURE TESTING, PINCH POINTS AND GOOD COMMUNICATION.
Event	5	Casing on Bottom	Casing on Bottom	5/2/2019	22:30:00	USER					RIG CREW LANDED CASING ON BOTTOM
Event	6	Start Job	Start Job	5/2/2019	23:40:53	COM6	-13.00	8.75	0.0	0.0	START JOB
Event	7	Test Lines	Test Lines	5/2/2019	23:51:02	COM6	3890.00	8.64	0.0	772.8	TESTED LINES TO 4500PSI
Event	8	Pump Spacer 1	Pump Spacer 1	5/2/2019	23:56:25	COM6	11.00	8.17	42.0	777.0	40BBLs OF SPACER WATER WITH RED DYE.

Event	9	Pump Cement	Pump Cement	5/3/2019	00:04:32	USER	600.00	12.57	252.0	2003.4	PUMPED 208 BBLS OF ELASTICEM CEMENT 13.2 PPG 1.57 YIELD 7.53 GAL
Event	10	Drop Top Plug	Drop Top Plug	5/3/2019	00:40:17	COM6	7.00	21.27	0.0	9324.0	DROP PLUG WITH COMPANY MAN ON RIG FLOOR.
Event	11	Pump Displacement	Pump Displacement	5/3/2019	00:42:46	COM6	-2.00	15.89	0.0	9324.0	PUMPED 243BBLS OF DISPLACEMENT AT 8BPM CAUGHT PRESSURE AT 88BBLS AWAY.
Event	12	Bump Plug	Bump Plug	5/3/2019	01:19:08	COM6	2155.00	8.51	0.0	10437.0	SLOWED RATE TO 3BPM FINAL CIRCULATING PRESSURE 1745PSI TOOK 500 PSI OVER. 40 BBLS OF SPACER TO SURFACE AND 3 BBLS OF CEMENT BACK TO SURFACE.
Event	13	Bump Plug	Bump Plug	5/3/2019	01:22:52	COM6	1646.00	8.50	0.0	10437.0	BROUGHT PRESSURE TO 1500PSI AND HELD FOR 15 IN CASING TEST.
Event	14	Check Floats	Check Floats	5/3/2019	01:32:53	USER	1651.00	8.41	0.0	10437.0	CHECK FLOATS, FLOATS HELD 1.5 BBLS BACK.
Event	15	End Job	End Job	5/3/2019	01:36:38	USER	7.00	8.48	0.0	10437.0	END JOB
Event	16	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	5/3/2019	01:45:00	USER					HAD PRE RIG DOWN SAFETY MEETING WITH HES AND DISCUSSED TEAM CARRY, PINCH POINTS, 40 FT BUFFER ZONE. SLIP TRIPS AND FALLS.
Event	17	Depart Location	Depart Location	5/3/2019	03:00:00	USER					HAD PRE CONVOY SAFETY MEETING AND DISCUSSED WILD LIFE, SAFE FOLLOWING DISTANCE AND ROUTE. CREW LEFT LOCATION

2.0 Attachments

2.1 Case 1-Custom Results.png



