



US Treatment Report

Customer: MALLARD EXPLORATION

Rep: Ray Phillips

Supervisor: MATTHEW ROSALES

Job Type: US Primary

Casing-Surface

Rig: Cartel 11

Well:

UWI: HUNT FED 8-60 19-24-5

Surface: HUNT FED 8-60 19-24-5

Job #: JOB00130932

Job Date: Aug 01 @ 00:00

Time Requested: Jul 31 @ 23:59

Time Arrived: Aug 01 @ 13:00

Time Released: Aug 01 @ 16:00

830 sk MAG S 13.3 + 1.00% MCA-1 + 0.20% MCDF-P

Yield: 1.44 ft³/sk = 212.87bbls Mix Water: 7.01 gal/sk = 5818.3gal

BHCT (F)	91	BHST (F)	109	Surface Casing Size (in)	9.625
Surface Casing Grade	J55	Surface Casing Weight (lb/ft)	40	Collapse Csg Pressure (psi)	3090
Float Depth (ft)	1921	Funnel Vis (sec/qt)	TBD	Hole Size (in)	13.5
Max Csg Pressure (psi)	5750	Max Pressure (psi)	1200	Mud Density (lb/gal)	8.33
Mud Type	WBM	Plug Size (in)	9.625	Plug Type	Rig
TMD (ft)	1957	TVD (ft)	1921		Supplie d

Treatment Info: Sacks Used: 830 Sacks Not Used: 0

Preflush: 10bbls MAG Mark & 10bbls Fresh Water

Displace: 145.6bbls Fresh Water

Circulation Time:

Slurry Temp: 89 Bulk Sample: Yes

Water Temp: 70 Water Sample: Yes

Bulk Temp: 75 Slurry Sample: Yes

Air Temp: 87 Air Pressure 29.8

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Slurry Returns: 35 Plug Bumped: Yes Pump Out Lines: No Float Held: Yes

Cement Class: Type III Humidity: 45 Precipitation: 0

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/mi n	Treatment Detail
13:58	250.00			3	4	Fill Lines - FRESH WATER
12:00	0.00					Arrive on Location - RIG PULLING DRILL PIPE
13:15	0.00					Safety Meeting
14:00	2,550.00				.5	Start Pressure Test - HOLD ONE MINUTE CHECK FOR LEAKS
14:01	0.00					End Pressure Test
14:02	250.00			10	4	Pump Preflush - RED DYE
14:03	210.00			10	4	Pump Preflush - FRESH WATER
14:04	600.00			213	7.5	Pump Slurry - MAG S 13.3; 830 SKS, 85#SK 1.44 YIELD, 7.01GAL/SK, 13.3PPG, VERIFIED USING PRESSURIZED SCALES
14:44	0.00					Stop Pumping - SHUT DOWN TO DROP PLUG

14:46	0.00					Drop Plug
14:48	600.00			144.5	7.5	Displace - FRESH WATER DISPLACE
15:08	0.00				2	Decrease Rate - CEMENT TO SURFACE @107 DISPLACEMENT AWAY 35 BBLs CEMENT TO SURFACE
15:14	1,140.00					Bump Plug
15:15	0.00					Check Floats - FLOATS HELD 1BBL BACK TO TRUCK



Customer: MALLARD

Date: August 1, 2022

Ticket: 130932

Location: 05-123-46711

Well Name: HUNT FED 8-60 19-24-5

Job Type: SURFACE

Magnum Unit #: 1507

