



US Treatment Report

Customer: MALLARD EXPLORATION
Rep: Ray Phillips **Rig:** Cartel 11
Supervisor: MATTHEW ROSALES **Well:** HUNT FED 8-60 19-24-4
Job Type: US Primary **UWI:** HUNT FED 8-60 19-24-4
 Surface: HUNT FED 8-60 19-24-4
 Time Released: Aug 01 @ 00:30

Job #: JOB00130931

Job Date: Jul 31 @ 18:00

Time Requested: Jul 31 @ 18:00

Time Arrived: Jul 31 @ 20:30

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)	16
Surface Casing Grade	J55	Surface Casing Weight (lb/ft)	40	SURFACE Size (in)	9.625
SURFACE Grade	J55	SURFACE Weight (lb/ft)	40	Collapse Csg Pressure (psi)	3090
Float Depth (ft)	1906.76	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	SPUD MUD	Plug Size (in)	9.625	Plug Type	Rig Supplied
TMD (ft)	1937	TVD (ft)	1915		

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

Preflush: 10bbls MAG Mark & 10bbls Fresh Water

Displace: 144.5bbls Fresh Water

Circulation Time: 0.5

Slurry Temp: Bulk Sample: Yes

Water Temp: 63 Water Sample: Yes

Bulk Temp: 75 Slurry Sample: Yes

Air Temp: 78 Air Pressure 29.89

Slurry Returns: 37 Plug Bumped: Yes Pump Out Lines: Yes Float Held: Yes

Cement Class: Type III Humidity: 43 Precipitation: 0

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
19:00	0.00					Arrive on Location - RIG PULLING DRILL PIPE
22:00	0.00					Safety Meeting
22:20	250.00			3	4	Fill Lines - FRESH WATER
22:27	2,550.00				.5	Start Pressure Test - HOLD ONE MINUTE CHECK FOR LEAKS
22:28	0.00					End Pressure Test
22:30	200.00			10	4	Pump Preflush - RED DYE
22:32	210.00			10	4	Pump Preflush - FRESH WATER
22:34	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

23:09	0.00					Stop Pumping - SHUT DOWN TO DROP PLUG
23:10	0.00					Drop Plug
23:12	600.00			144.5	7.5	Displace - FRESH WATER DISPLACE
23:35	0.00				2	Decrease Rate - CEMENT TO SURFACE @107 DISPLACEMENT AWAY 37 BBLs CEMENT TO SURFACE
23:41	1,200.00					Bump Plug
23:42	0.00					Check Floats - FLOATS HELD 1BBL BACK TO TRUCK
00:00	0.00					Wash Up Truck
00:15	0.00					Rig Out
00:30	0.00					Leave Location



Customer: MALLARD

Date: July 30, 2022

Ticket: 130931

Location: 05-123-46715

Well Name: HUNT FED 8-80 19-24.4

Job Type: SURFACE

Magnum Unit #: 1507

