

US Treatment Report



Customer: CIVITAS RESOURCES
Rep: Kenny Graham
Supervisor: MICHAEL LOPEZ
Job Type: US Primary
 Casing-Surface

Rig: Cartel 11
Well: Warbler 13W-27-7
UWI: Warbler 13W-27-7
Surface: Warbler Surface Pad

Job #: JOB00158502
Job Date: JULY 04 @ 00:00
Time Requested: JULY 04 @ 00:00
Time Arrived: JULY 04 @ 22:00
Time Released: JULY 05 @ 04:00

1170 sk MAG S 13.3 + 0.10% MCDP-P

Yield: 1.44ft³/sack = 300.06bbbls Mix Water: 7.01gal/sack = 8201.7gal

BHCT (F)	95	BHST (F)	118	Surface Casing Size (in)	9.625
Surface Casing Grade	J-55	Surface Casing Weight (lb/ft)	36	Float Depth (ft)	2619.6
Max Pressure (psi)	1500	Perfs Set 4 (ft)	WBM	Plug Size (in)	9.625
Plug Type	Rig Supplied	TMD (ft)	2830	TVD (ft)	2620

Treatment Info: Sacks Used: 1170 Sacks Not Used: 0

Preflush: 30bbbls Fresh Water & 10bbbls MAG Mark

Slurry Temp:	75	Bulk Sample:	Yes
Water Temp:	72	Water Sample:	Yes
Bulk Temp:	68	Slurry Sample:	Yes
Air Temp:	55	Air Pressure	30.0
			8
Slurry Returns:	45	Plug Bumped:	Yes
Cement Class:	Type III	Pump Out Lines:	No
		Humidity:	94
		Float Held:	Yes
		Precipitation:	0

Displace: 203bbbls Fresh Water

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
22:00	0.00					Arrive on Location - SPOKE WITH COMPANY MAN; WATER TESTED: PH-8; HARDNESS-25 PPM; CHLORIDES- 296 PPM
02:00	0.00					Safety Meeting
02:22	250.00			5	6	Fill Lines - BOTTOM PLUG LOADED COMPANY MAN VERIFIED
02:24	0.00					Start Pressure Test - HIGH: 2000 PSI
02:27	450.00			25	6	Pump Preflush - FRESH WATER
02:31	450.00			10	6	Pump Preflush - DYE
02:36	900.00			300	8	Pump Slurry - MAG S 13.3; 1171 SKS; 1.44 CUFT/SKS; 7.01 CUFT/SK; TT: 3:53; WET SAMPLE WEIGHED
03:20	0.00					Stop Pumping
03:24	0.00					Drop Plug - COMPANY MAN VERIFIED
03:25	1,100.00		183	183	6	Displace - FRESH WATER; @ 20 BBLS - 3 BPM - 200 PSI; @ 70 BBLS - 6 BPM - 370PSI; @ 150 BBLS - 6 BPM - 900 PSI; @ 183 - 6 BPM - 900PSI
03:53	0.00					Stop Pumping - Stop Pumping - STAGE CEMENT 5 MINS; TOT: SURFACE 45 BBLS; START PUMPING @ 3:59- 6 BPM
04:06	780.00		20	203	3	Decrease Rate - LAST 20 BBLS
04:10	0.00					Bump Plug - BUMP: 1500 PSI; CIRC. PRESS: 780 PSI
04:12	0.00					Check Floats - 14:03-14:04 (HOLD 2 MIN); 1 BBL BACK
05:30	0.00					Leave Location

