

ASTRO-CHEM LAB, INC.

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WATER ANALYSIS REPORT

SAMPLE NUMBER W-13-2859 DATE OF ANALYSIS 6-10-13

COMPANY Agri-Industries, Inc.

CITY Williston

STATE ND

WELL NAME AND/OR NUMBER AWS - Gunlickson Depot

DATE RECEIVED 5-7-13

DEPTH Discharge

SAMPLE SOURCE

LOCATION OF SEC. TWN. RANGE COUNTY

DISTRIBUTION Distribution List

CONDUCTIVITY @ 77°F = 2047.0 µMHOS/cm

pH = 7.49

RESIDUAL SODIUM CARBONATE = 2.00 MEQ/L

HARDNESS = 24.5 Grains/gal

SODIUM ADSORPTION RATIO = 6.49

HARDNESS = 420 mg/L

TOTAL DISSOLVED SOLIDS (CALCULATED) = 1675 mg/L

SODIUM CHLORIDE (CALCULATED) = 40 mg/L

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	6.0	120	CHLORIDE	0.7	24
MAGNESIUM	2.4	29	CARBONATE	0.0	0
SODIUM	13.3	306	BICARBONATE	10.4	635
IRON	0.0	0.4	SULFATE	11.5	553
POTASSIUM	0.2	8	NITRATE-N	0.0	0.0

REMARKS Sampled 5-6-13

ANALYZED BY: C. Jungels