Worksheet for Drilling/Operating Permits

Corpora Farms – Wells 1-13

Corpora Farms seeks Drilling/Operating permits for the purpose of:

- Agricultural Use Irrigation of field crops, livestock watering, farming operations
- Industrial Use
- Commercial Use
- Municipal Use
- Public Water Supply

Proposed Well 1 (BVDO-0341):

Located at: N 30.967123° W 96.681905° 0.42 miles E of the intersection of Wildcat Bridge Road and FM 1644 in Robertson County.

Proposed Well 2 (BVDO-0342):

Located at: N 30.930936° W 96.703584° 0.97 miles WNW of the intersection of Barton Farm Road and FM 1644 in Robertson County.

Proposed Well 3 (BVDO-0343):

Located at: N 30.931603° W 96.720836° 2.36 miles SW of the intersection of FM 1644 and New Magnolia Church Road in Robertson County.

Proposed Well 4 (BVDO-0344):

Located at: N 30.934607° W 96.709457° 1.37 miles WNW of the intersection of Barton Farm Road and FM 1644 in Robertson County.

Proposed Well 5 (BVDO-0345):

Located at: N 30.939189° W 96.647752° 0.71 miles NW of the intersection of Red Hill Road and Providence Road in Robertson County.

Proposed Well 6 (BVDO-0346):

Located at: N 30.928505° W 96.667226° 1.65 miles W of the intersection of Red Hill Road and Providence Road in Robertson County.

Proposed Well 7 (BVDO-0347):

N 30.941075° W 96.664942° 1.23 miles WNW of the intersection of Red Hill Road and Providence Road in Robertson County.

Proposed Well 8 BVDO-0348):

Located at: N 30.862142° W 96.648896° 1.10 miles SSW of the intersection of John Reistino Road and FM 485 in Robertson County.

Proposed Well 9 (BVDO-0349):

Located at: N 30.866236° W 96.641341° 0.83 miles SSE of the intersection of John Reistino Road and FM 485 in Robertson County.

Proposed Well 10 (BVDO-0350):

Located at: N 30.828601° W 96.637179° 0.47 miles SSE of the intersection of FM 1644 and US-79 in Robertson County.

Proposed Well 11 (BVDO-0351):

Located at: N 30.830612° W 96.633565° 0.50 miles SSE of the intersection of FM 1644 and US-79 in Robertson County.

Proposed Well 12 (BVDO-0352):

Located at: N 30.784337° W 96.560379° 1.29 miles NE of the intersection of Watts Lane and FM 50 in Robertson County.

Proposed Well 13 (BVDO-0353):

Located at: N 30.784810° W 96.554918° 1.56 miles NNE of the intersection of Watts Lane and FM 50 in Robertson County.

Beneficial Uses: Agricultural – Irrigation of field crops, livestock watering, farm Operations Industrial Commercial Municipal Public Water Supply

Aquifer of Origin: Simsboro (all wells)

Acreage: Approximately 127 acres – BVDO-0341 Approximately 413 acres – BVDO-0342, 0343, 0344 Approximately 1,293 acres – BVDO-0345, 0346, 0347 Approximately 483 acres – BVDO-0348, 0349 Approximately 97 acres – BVDO-0350, 0351 Approximately 100 acres – BVDO-0352, 0353

Well 1

Well Column: To Be Determined (all wells)

	1,000 gpiii
Well 2	1,050 gpm
Well 3	1,650 gpm
Well 4	1,050 gpm
Well 5	1,125 gpm
Well 6	2,750 gpm
Well 7	1,125 gpm
Well 8	1,700 gpm
Well 9	1,700 gpm
Well 10	550 gpm
Well 11	550 gpm
Well 12	800 gpm
Well 13	800 gpm

1.000 apm

Max. Annual Production:	Well 1 Well 2 Well 3 Well 4 Well 5 Well 6 Well 7 Well 8 Well 9	1,290 acre feet/yr 1,370 acre feet/yr 2,093 acre feet/yr 1,370 acre feet/yr 1,449 acre feet/yr 3,542 acre feet/yr 1,449 acre feet/yr 2,174 acre feet/yr 2,174 acre feet/yr
		2,174 acre feet/yr 2,174 acre feet/yr
	Well 10	885 acre feet/yr
	Well 11	885 acre feet/yr
	Well 12	1,288 acre feet/yr
	Well 13	1,288 acre feet/yr

This application meets all of the specifications listed in BVGCD Rule 7.1 (c) regarding production-based acreage. Below is the formula used to calculate and verify the applicant's compliance and was applied to each of the wells listed below:

<u>Formula</u>

acre feet/year x .62 = gpm on an average annual basis

Annual Average gpm x 1'/gpm for Simsboro wells = radius from the wellhead

radius x radius x 3.14 = square feet around the well

Square feet around well/43,560 = contiguous acres to be assigned to the well.

Well	Acre feet/year	Contiguous Acres Assigned
Well 1	1290	46.11
Well 2	1370	52.01
Well 3	2093	121.38
Well 4	1370	52.01
Well 5	1449	58.18
Well 6	3542	347.63
Well 7	1449	58.18
Well 8	2174	130.96
Well 9	2174	130.96
Well 10	885	21.70
Well 11	885	21.70
Well 12	1288	45.97
Well 13	1288	45.97

These are multi-use permits for Agricultural, Industrial, Commercial, Municipal, and Public Water Supply uses. Each well will be metered separately. The purpose of use from each well will be metered and reported separately. The footprint of each of the wells lies entirely within the property controlled by the applicant.

This application is administratively complete.

It is the recommendation of the General Manager to approve the twelve (12) permits as presented.