

February 28, 2014

VIA EMAIL AND FEDEX

Scott R. Perry, Esquire
Deputy Secretary, Oil and Gas Management
Department of Environmental Protection
400 Market Street, 9th Floor
Harrisburg, PA 17105

RE: In Re. Hilcorp Energy Company
MMS No. 2013-SLAP-000528
Docket No. 2013-01

Dear Mr. Perry,

The attached documents are meant to serve as supplemental exhibits to the Application of Hilcorp Energy Company for Well Spacing Units (the "Application"). The purpose of these documents is to address the assertion in your letter dated January 22, 2014 that the Application was deficient as originally filed because it did not contain information concerning the "maximum area which may be drained efficiently and economically by *one well*," as opposed to *one well pad*. These documents should not be construed as replacements for the exhibits attached to the Application, but rather as an alternative proposal for well spacing units in the Pulaski Accumulation. Each document has been labeled to reflect its corresponding exhibit in the Application.

Thank you, and please contact me with any questions.

Sincerely,

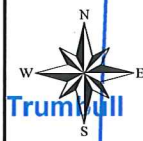

Daniel P. Craig

Enclosures

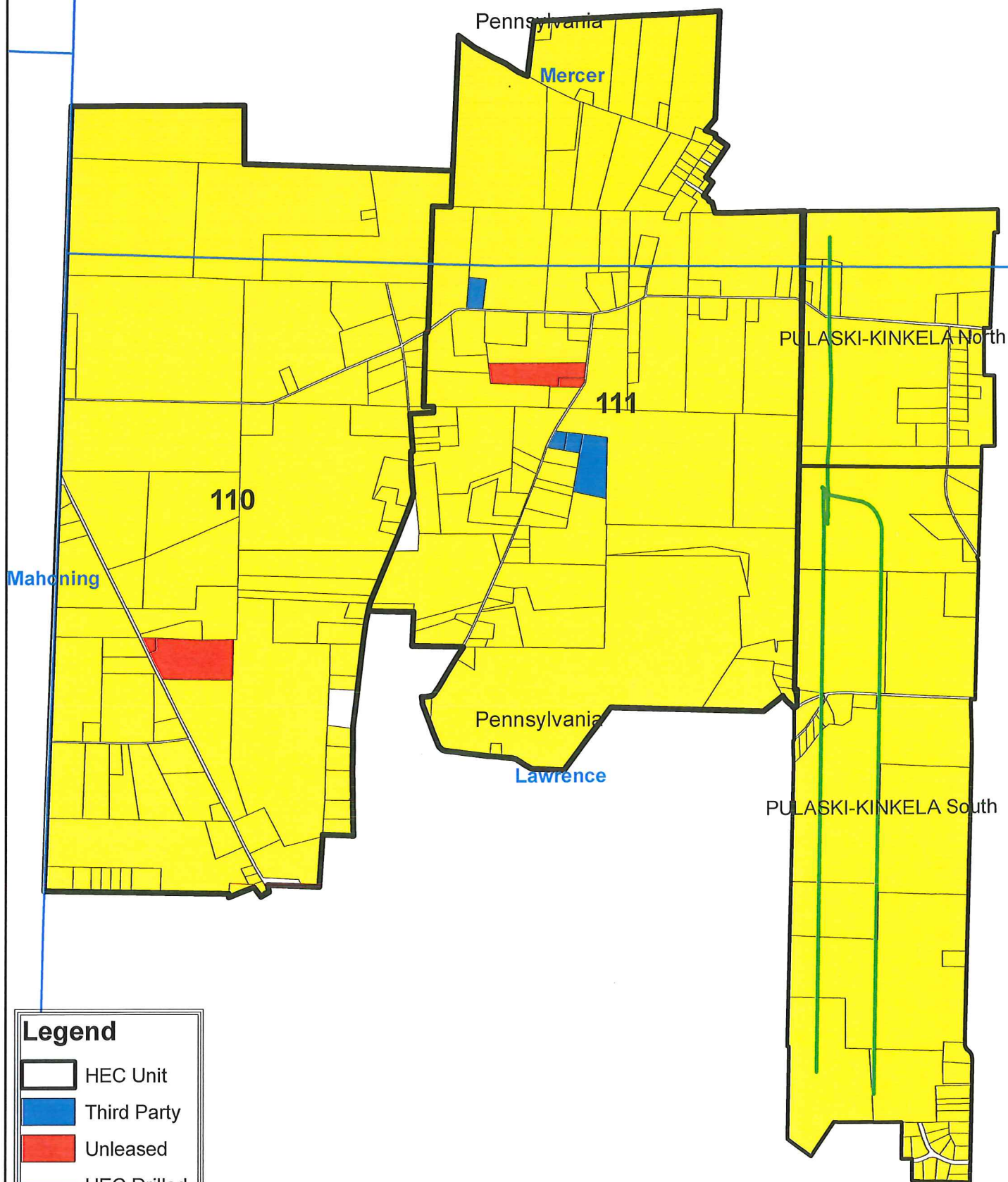
cc: Donna Duffy, Esquire (via email)
Michael Braymer, Esquire (via email)
Elizabeth Nolan, Esquire (via email)

EXHIBITS (ALTERNATIVE PROPOSED WELL SPACING PLAN)

- Exhibit A-1 Pulaski Accumulation Land Map
- Exhibit B-1 Proposed HEC 110-H Unit
- Exhibit C-1 Proposed HEC 111-H Unit
- Exhibit G-1 Pulaski Accumulation Plat Indicating Longitude and Latitude on a Scale of 1,320 Feet to an Inch
- Exhibit H-1 Pulaski Accumulation Surface Topography Map



Pulaski Accumulation
Hilcorp Energy Company
Pulaski Township
Lawrence County, PA



Legend

- HEC Unit
- Third Party
- Unleased
- HEC Drilled
- HEC Leased

Date: 2/28/2014

1 inch = 1,916 feet

0 700 1,400 2,800

tabbles

EXHIBIT

A-1



HEC-110H
Hilcorp Energy Company
Pulaski Township
Lawrence County, PA

Mahoning
Ohio

Pennsylvania

Mercer

Pennsylvania

Lawrence

111

A
110

B

C

D

E

F

Legend

- HEC Unit
- 750 Wellbore
- Third Party
- Unleased
- HEC Leased

Date: 2/28/2014

1 inch = 1,162 feet

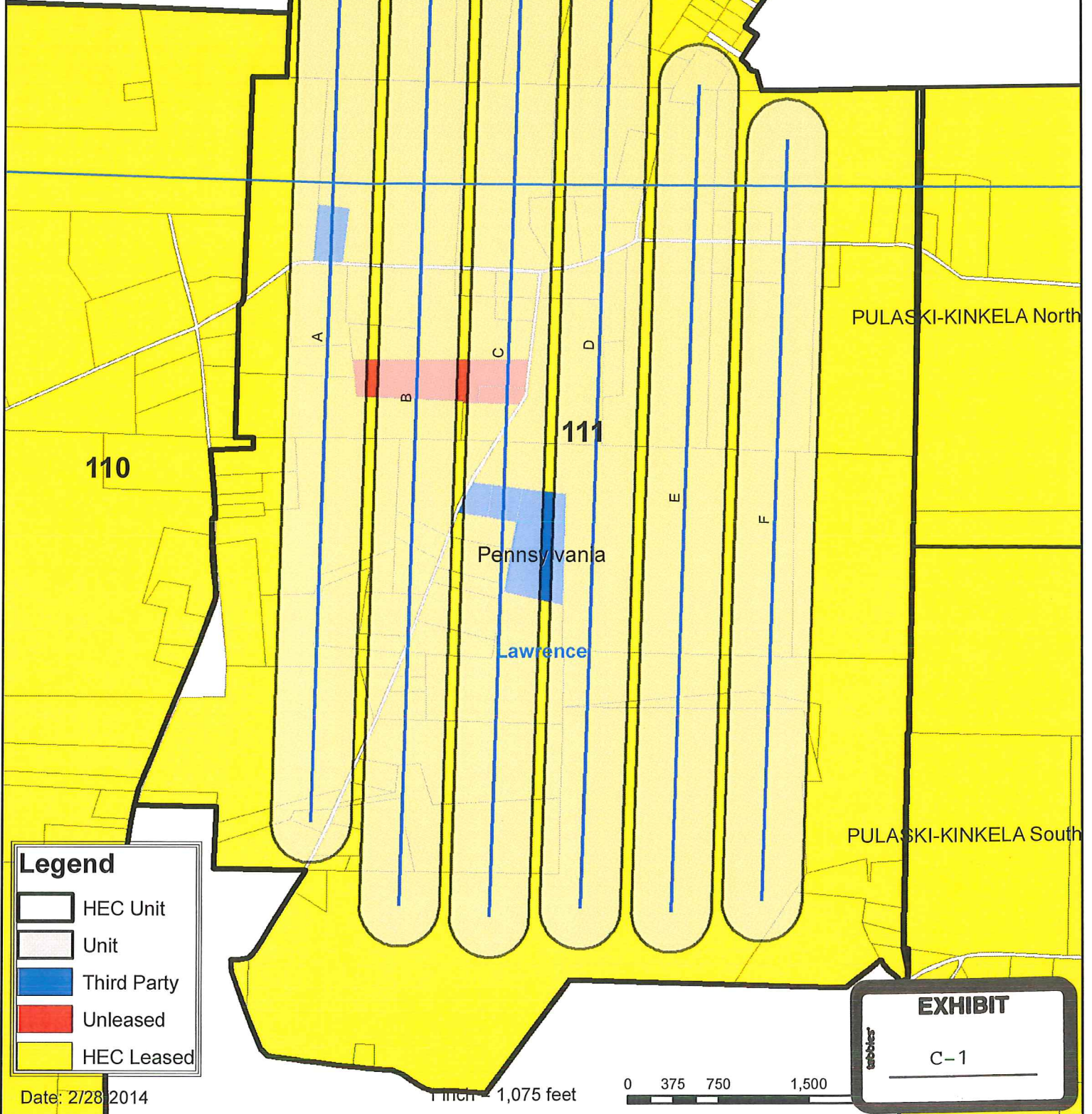
0 400 800 1,600 2

EXHIBIT

B-1



HEC-111H
Hilcorp Energy Company
Pulaski Township
Lawrence County, PA



Legend

- HEC Unit
- Unit
- Third Party
- Unleased
- HEC Leased

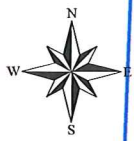
Date: 2/28/2014

1 inch = 1,075 feet

0 375 750 1,500

EXHIBIT

C-1



Pulaski Accumulation
Hilcorp Energy Company
Pulaski Township
Lawrence County, PA

Trumbull
Ohio

Mercer

Pennsylvania

Ohio

Mahoning

Lawrence

Legend

• XY's

HEC Unit

Third Party

Unleased

HEC Drilled

HEC_leased

Not to scale.
Full scale map attached
to Original.

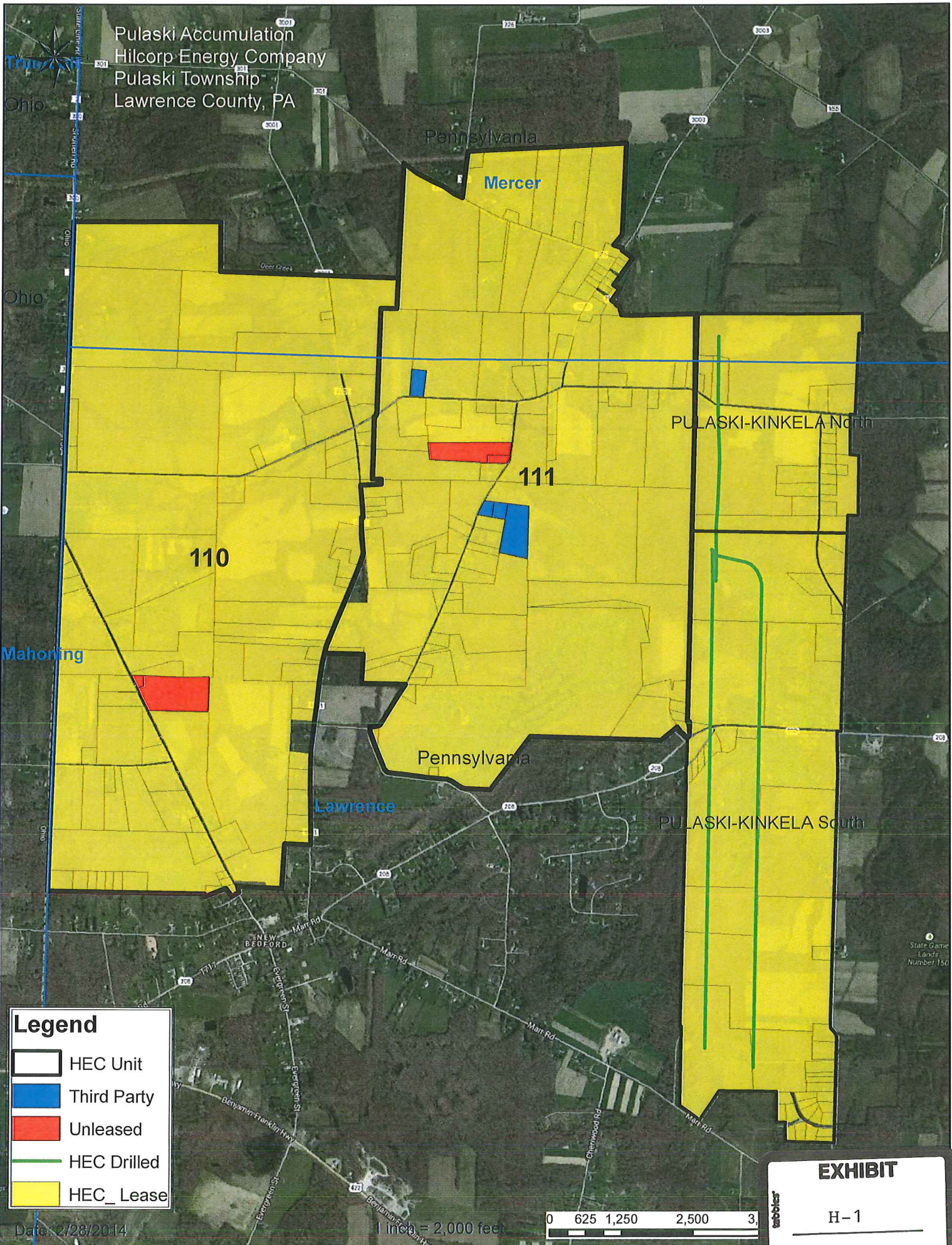
Date: 2/28/2014

0 900 1,800 3,600 5,400 7,200
Feet

Label	X	Y
0	1251097.42	361957.12
1	1247974.34	348250.06
2	1250634.18	347586.88
3	1248060.93	354136.03
4	1248076.67	354146.38
5	1248082.39	354577.85
6	1247909.13	354803.24
7	1247622.76	354577.17
8	1245338.99	354644.19
9	1244645.11	353720.02
10	1244206.21	353736.18
11	1243907.53	353897.08
12	1242844.51	354026.61
13	1242786.86	354078.29
14	1242543.49	354707.82
15	1242563.30	354809.11
16	1242677.90	354823.50
17	1243153.68	355545.88
18	1242388.28	355562.13
19	1242410.99	356066.71
20	1241732.42	356077.03
21	1241509.06	354393.12
22	1241506.27	354345.35
23	1241515.53	352766.49
24	1241061.36	352782.54
25	1241059.70	352754.97
26	1240484.89	352613.18
27	1240430.80	352718.62
28	1239974.94	352507.72
29	1239732.41	352987.12
30	1239689.96	352984.57
31	1236958.36	353037.51
32	1237312.02	363549.79
33	1239888.92	363553.77
34	1239886.57	362690.13
35	1242993.06	362578.75
36	1243079.03	364577.88
37	1244110.48	363976.29
38	1244201.91	364780.61
39	1246974.36	364920.49
40	1246907.06	363333.14
41	1246758.55	363156.22
42	1246910.05	363099.38
43	1246908.67	363062.46
44	1247086.55	362927.47
45	1246764.82	362462.00
46	1246866.30	362392.66
47	1246730.78	362193.18
48	1246794.78	362148.78
49	1246805.69	362118.49
50	1246834.36	362099.98
51	1246860.49	362094.30
52	1246903.25	361938.90
53	1251105.44	361611.43
54	1251041.66	361611.00
55	1250980.55	360202.90
56	1250885.33	360207.39
57	1250887.36	359508.38
58	1251037.58	359496.37
59	1251030.88	358457.67
60	1250850.97	358459.39
61	1250733.89	354721.20
62	1250668.61	354724.94
63	1250568.68	349654.00
64	1250580.53	349575.87
65	1250639.42	349511.03
66	1250672.41	349417.48
67	1249817.43	347622.86
68	1248077.81	354617.74
69	1249820.00	347951.80
70	1249657.63	347953.46
71	1249664.38	348490.18

EXHIBIT

G-1



Legend

- HEC Unit
- Third Party
- Unleased
- HEC Drilled
- HEC_Lease

EXHIBIT

H-1