WORKING INTEREST OWNER

APPROVAL OF

UNIT PLAN FOR THE

KLODT UNIT

North and Archer Townships

Harrison County, Ohio

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, a Unit Plan has been prepared for the testing, development, and operation of certain Tracts identified therein, which Plan consists of an agreement entitled, "Unit Agreement, The Klodt Unit, North and Archer Townships, Harrison County, Ohio," dated March 26, 2014 (the "Unit Agreement"); and an agreement entitled, "A.A.P.L. Form 610-1989 Model Form Operating Agreement," also regarding the Klodt Unit and of like date (the "Unit Operating Agreement"); and,

WHEREAS, the undersigned is the owner of a Working Interest in and to one or more of the Tracts identified in said Unit Plan, namely, the Tracts identified below (hereinafter, the "Owner").

NOW, THEREFORE, the Owner hereby approves the Unit Plan and acknowledges receipt of full and true copies of both the Unit Agreement and the Unit Operating Agreement.

IN WITNESS WHEREOF, the undersigned has executed this instrument on the date set forth opposite the signature of its representative.

WORKING INTEREST OWNER

TRACT NO. 50

TRACT ACREAGE 13.087289

RELATED WORKING INTEREST PERCENTAGE 1.05108%

American Energy-Utica, LLC,

Date 4/8/14

By: Serena Evans
Name: Serena Evans
Title: Land Director, Utica

Exhibit 6

WORKING INTEREST OWNER

APPROVAL OF

UNIT PLAN FOR THE

KLODT UNIT

North and Archer Townships

Harrison County, Ohio

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, a Unit Plan has been prepared for the testing, development, and operation of certain Tracts identified therein, which Plan consists of an agreement entitled, "Unit Agreement, The Klodt Unit, North and Archer Townships, Harrison County, Ohio," dated March 26, 2014 (the "Unit Agreement"); and an agreement entitled, "A.A.P.L. Form 610-1989 Model Form Operating Agreement," also regarding the Klodt Unit and of like date (the "Unit Operating Agreement"); and,

WHEREAS, the undersigned is the owner of a Working Interest in and to one or more of the Tracts identified in said Unit Plan, namely, the Tracts identified below (hereinafter, the "Owner").

NOW, THEREFORE, the Owner hereby approves the Unit Plan and acknowledges receipt of full and true copies of both the Unit Agreement and the Unit Operating Agreement.

IN WITNESS WHEREOF, the undersigned has executed this instrument on the date set forth opposite the signature of its representative.

WORKING INTEREST OWNER

TRACT NO. 2 & 3

TRACT ACREAGE 30.277992

RELATED WORKING INTEREST PERCENTAGE 2.43171%

HESS OHIO RESOURCES, L.L.C,

Date 4/10/2014

By: Ivy Phillips

Name: Ivy Phillips, Attorney-In-Fact

Exhibit 6

Exhibit "A-2"

REVISED

Leases Within the Contract Area

Attached to and made a part of that certain Unit Operating Agreement dated March 26, 2014 as approved by the Ohio Department of Natural Resources for the Klodt Unit.

TRACT NUMBER	CHESAPEAKE LEASE ID NUMBER	LESSOR	LEASED YES/NO	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS	TOWNSHIP	COUNTY	STATE	UNIT WORKING INTEREST	CHESAPEAKE WORKING INTEREST	CHESAPEAKE UNIT PARTICIPATION	AMERICAN ENERGY UTICA WORKING INTEREST	AMERICAN ENERGY UTICA UNIT PARTICIPATION	HESS WORKING INTEREST	HESS UNIT PARTICIPATION	GULFPORT WORKING INTEREST	GULFPORT UNIT PARTICIPATION	ADDRESS	CITY	STATE	ZIP CODE
1	OPEN	DONNA M BENJAMIN	No	54.61878504	0.0438659	01-00028000	Archer	HARRISON	OH	4.38659%									5690 W 224th St	Cleveland	OH	44126
2		JOSEPH W KROPKA	Yes	29.95794512	0.0240601	01-00030000	Archer	HARRISON	OH	2.40601%					100.00000%	2.40601%			87038 Keyser Rd	Cadiz	OH	43907
3		JOSEPH W KROPKA	Yes	0.320047582	0.0002570	01-00030001	Archer	HARRISON	OH	0.02570%					100.00000%	0.02570%			87038 Keyser Rd	Cadiz	OH	43907
4	34-033173-000	MARK & ELLEN RUTH ZIEGLER	Yes	29.87710614	0.0239951	01-00106000	Archer	HARRISON	OH	2.39951%	100.00000%	2.39951%							3280 Butternut Dr	Norton	OH	44203
5	1-351394-000	MARK A ZIEGLER	Yes	16.15651182	0.0129757	01-00107000	Archer	HARRISON	OH	1.29757%	100.00000%	1.29757%							3280 Butternut Dr	Norton	OH	44203
6		NANCY & LEONARD T DOWDLE	Yes	10.47455561	0.0084124	01-00173002	Archer	HARRISON	OH	0.84124%							100.00000%	0.84124%	3411 Roy Ave	Maryville	TN	37804
7		JAMES & MYRNA KEYSER	Yes	0.932482263	0.0007489	01-00173003	Archer	HARRISON	OH	0.07489%							100.00000%	0.07489%	339 W Spring St	Cadiz	OH	43907
8	34-014868-000	DONALD E & CAROL J MYERS	Yes	83.69561741	0.0672183	01-00202000	Archer	HARRISON	OH	6.72183%	100.00000%	6.72183%							87599 Dodson Rd	Scio	OH	43988
9	34-008157-000	CHRISTOPHER & SANDI E RYLAND	Yes	3.033587103	0.0024364	01-00216000	Archer	HARRISON	OH	0.24364%	100.00000%	0.24364%							39713 Hanover Ridge Rd	Scio	OH	43988
10	34-038458-001	GEORGE R & DIANA S GATES	Yes	4.476801215	0.0035954	01-00228000	Archer	HARRISON	OH	0.35954%	100.00000%	0.35954%							39050 Hanover Ridge Rd	Scio	OH	43988
10	34-038458-002	DARRAN C PITTMAN	Yes	4.476801215	0.0035954	01-00228000	Archer	HARRISON	OH	0.35954%	100.00000%	0.35954%							15043 Bellepoint Rd	Ostrander	OH	43061
10	34-038458-003	DANA L & JUNE A PITTMAN	Yes	4.476801215	0.0035954	01-00228000	Archer	HARRISON	OH	0.35954%	100.00000%	0.35954%							39300 Hanover Rdge Rd	Scio	OH	43988
10	34-038458-004	LOUIS H, JR & DONNA J BEDFORD	Yes	4.476801215	0.0035954	01-00228000	Archer	HARRISON	OH	0.35954%	100.00000%	0.35954%							9700 Crottinger Rd	Plain City	OH	43064
11	OPEN	JOHN M LUBER	No	54.04629507	0.0434061	01-00258000	Archer	HARRISON	OH	4.34061%									86663 Fife Rd	Cadiz	OH	43907
12	21444.0HHD	ROBERT & JACQUELINE KING	Yes	0.999892852	0.0008030	01-00258001	Archer	HARRISON	OH	0.08030%	100.00000%	0.08030%							86500 Keyser Rd	Cadiz	OH	43907
13	34-038302-000	ROSS L & ELLEN A DEWALT	Yes	0.28515773	0.0002290	01-00301000	Archer	HARRISON	OH	0.02290%	100.00000%	0.02290%							981 Exeter Rd	Columbus	OH	43213
14		LOWELL R GILHAM	Yes	0.465350323	0.0003737	01-00309000	Archer	HARRISON	OH	0.03737%							100.00000%	0.03737%	39680 Gilham Hill Rd	Cadiz	OH	43907
15		LOWELL R GILHAM	Yes	4.271320586	0.0034304	01-00310000	Archer	HARRISON	OH	0.34304%							100.00000%	0.34304%	39680 Gilham Hill Rd	Cadiz	OH	43907
16	34-030954-000	ADAM MICHAEL GROVE	Yes	2.741423634	0.0022017	01-00340000	Archer	HARRISON	OH	0.22017%	100.00000%	0.22017%							86730 Keyser Rd	Cadiz	OH	43907
17	34-030512-000	ROBERT G & MARY F HOOKER	Yes	5.478678369	0.0044001	01-00479000	Archer	HARRISON	OH	0.44001%	100.00000%	0.44001%							86724 Keyser Rd	Cadiz	OH	43907
18	1-351392-000	HELEN A HALTER	Yes	0.062028719	0.0000498	01-00514000	Archer	HARRISON	OH	0.00498%	100.00000%	0.00498%							51835 Portman Rd	Amberst	OH	44001
19	34-002913-000	ARTHUR TOM ALBAUGH & REBECCA SUE ALBAUGH & COLLIN T ALBAUGH & TRAVIS DEAN ALBAUGH	Yes	0.25875451	0.0002078	20-00002000	North	HARRISON	OH	0.02078%	100.00000%	0.02078%							38710 Lightner Ridge Rd	Scio	OH	43988
20	34-004215-000	MARION & DOROTHY ALBRIGHT	Yes	3.331614933	0.0026757	20-00005000	North	HARRISON	OH	0.26757%	100.00000%	0.26757%							38505 Grandview Rd	Scio	OH	43988
21	34-004215-000	MARION & DOROTHY ALBRIGHT	Yes	6.53307192	0.0052469	20-00006000	North	HARRISON	OH	0.52469%	100.00000%	0.52469%							38505 Grandview Rd	Scio	OH	43988
22	34-034784-000	ROBERT A CHRISTIE	Yes	3.352720964	0.0026927	20-00018000	North	HARRISON	OH	0.26927%	100.00000%	0.26927%							38730 Bower Rd	Scio	OH	43988
23		DANIEL C & ESTHER W BYLER	Yes	2.448340927	0.0019663	20-00026000	North	HARRISON	OH	0.19663%							100.00000%	0.19663%	38570 Bower Rd	Scio	OH	43988
24		RICHARD A & KAREN S BEATTY	Yes	9.186797812	0.0073782	20-00026001	North	HARRISON	OH	0.73782%							100.00000%	0.73782%	38617 Bower Rd	Scio	OH	43988
25	34-001970-000	THOMAS WATSON	Yes	15.29952246	0.0122875	20-00026002	North	HARRISON	OH	1.22875%	100.00000%	1.22875%							38680 Tappan-Scio Rd	Scio	OH	43988
26		F DONALD & JOYCE M SMITH	Yes	15.95016344	0.0128100	20-00026003	North	HARRISON	OH	1.28100%							100.00000%	1.28100%	38400 Bower Rd	Scio	OH	43988
27	34-001954-000	JAMES RODNEY SHERBS	Yes	2.853454642	0.0022917	20-00026004	North	HARRISON	OH	0.22917%	100.00000%	0.22917%							38625 Bower Rd	Scio	OH	43988
28		DANIEL C & ESTHER W BYLER	Yes	4.084291876	0.0032802	20-00026005	North	HARRISON	OH	0.32802%							100.00000%	0.32802%	38570 Bower Rd	Scio	OH	43988
29		RICHARD A & KAREN S BEATTY	Yes	2.070545717	0.0016629	20-00026006	North	HARRISON	OH	0.16629%							100.00000%	0.16629%	38617 Bower Rd	Scio	OH	43988
30		F DONALD & JOYCE M SMITH	Yes	5.402687058	0.0043390	20-00026007	North	HARRISON	OH	0.43390%							100.00000%	0.43390%	38400 Bower Rd	Scio	OH	43988
31	34-000846-000	KAREN I & FREDERICK WILLIAM ERWIN	Yes	14.73499029	0.0118341	20-00030000	North	HARRISON	OH	1.18341%	100.00000%	1.18341%							88355 Taggart Lane	Scio	OH	43988
32	1-356350-000	DANIEL S & IRENE D YODER	Yes	13.09359855	0.0105158	20-00030001	North	HARRISON	OH	1.05158%	100.00000%	1.05158%							88445 Taggart Lane	Scio	OH	43988
33	1-356350-000	DANIEL S & IRENE D YODER	Yes			20-000300001B	North	HARRISON	OH	0.00000%	100.00000%								88445 Taggart Lane	Scio	OH	43988
33		ST. JAMES LUTHERAN CHURCH	Yes	0.279948606	0.0002248	20-000300001B	North	HARRISON	OH	0.02248%	100.00000%	0.02248%							203 E Main St	Jewett	OH	43986

TRACT NUMBER	CHESAPEAKE LEASE ID NUMBER	LESSOR	LEASED YES/NO	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS	TOWNSHIP	COUNTY	STATE	UNIT WORKING INTEREST	CHESAPEAKE WORKING INTEREST	CHESAPEAKE UNIT PARTICIPATION	AMERICAN ENERGY UTICA WORKING INTEREST	AMERICAN ENERGY UTICA UNIT PARTICIPATION	HESS WORKING INTEREST	HESS UNIT PARTICIPATION	GULFPORT WORKING INTEREST	GULFPORT UNIT PARTICIPATION	ADDRESS	CITY	STATE	ZIP CODE
33		ZION LUTHERAN CHURCH	Yes	0.144215948	0.0001158	20-000300001B	North	HARRISON	OH	0.01158%	100.00000%	0.01158%							16 Ridgecrest Rd	Wheeling	WV	26003
34	34-000323-000	MICHAEL J & PATRICIA L SEGA AND MARTIN W & KATHY L MARRIN	Yes	1.007839053	0.0008094	20-00030002	North	HARRISON	OH	0.08094%	100.00000%	0.08094%							733 Fixler Rd	Wadsworth	OH	44281
35	1-351360-000	CRAIG & JANET L BROKAW	Yes	5.37485802	0.0043167	20-00030003	North	HARRISON	OH	0.43167%	100.00000%	0.43167%							38750 Gundy Ridge Rd	Scio	OH	43988
36	1-356350-000	DANIEL S & IRENE D YODER	Yes	1.083547445	0.0008702	20-00030004	North	HARRISON	OH	0.08702%	100.00000%	0.08702%							88445 Taggart Lane	Scio	OH	43988
37	1-351359-000	CRAIG BROKAW	Yes	13.72304722	0.0110214	20-00043000	North	HARRISON	OH	1.10214%	100.00000%	1.10214%							38750 Gundy Ridge Rd	Scio	OH	43988
38	34-003862-000	BARRY & LINDA EASLICK	Yes	32.1091823	0.0257878	20-00092000	North	HARRISON	OH	2.57878%	100.00000%	2.57878%							87668 Dodson Rd	Scio	OH	43988
39	34-003841-000	SANDRA L. HARRISON	Yes	1.001049807	0.0008040	20-00092001	North	HARRISON	OH	0.08040%	100.00000%	0.08040%							87664 Dodson Rd	Scio	OH	43988
40	34-019969-000	STEPHEN & CHRISTINE MITCHELL	Yes	2.147707753	0.0017249	20-00097000	North	HARRISON	OH	0.17249%	100.00000%	0.17249%							6994 Edwards Ridge Rd	Scio	OH	44683
41	34-019969-000	STEPHEN & CHRISTINE MITCHELL	Yes	0.08198671	0.0000658	20-00098000	North	HARRISON	OH	0.00658%	100.00000%	0.00658%							6994 Edwards Ridge Rd	Scio	OH	44683
42	34-019969-000	STEPHEN & CHRISTINE MITCHELL	Yes	1.197257412	0.0009616	20-00099000	North	HARRISON	OH	0.09616%	100.00000%	0.09616%							6994 Edwards Ridge Rd	Scio	OH	44683
43		BARRY A EASTERLING	Yes	42.16027582	0.0338601	20-00141000	North	HARRISON	OH	3.38601%							100.00000%	3.38601%	10353 Quail Lake Cir	Doylestown	OH	44230
44		BARRY A EASTERLING	Yes	5.323919453	0.0042758	20-00142000	North	HARRISON	OH	0.42758%							100.00000%	0.42758%	10353 Quail Lake Cir	Doylestown	OH	44230
45	34-009731-000	RODNEY L COOPER	Yes	0.102219229	0.0000821	20-00190001	North	HARRISON	OH	0.00821%	100.00000%	0.00821%							39640 Hanover Ridge Rd	Scio	OH	43988
46	34-005027-001	FRED R GUTHRIE	Yes	2.447143398	0.0019654	20-00193000	North	HARRISON	OH	0.19654%	100.00000%	0.19654%							87255 Dodson Rd	Scio	OH	43988
47	34-017866-000	PATRICK L KLODT & REBECCA A WILLIAMS	Yes	128.4546797	0.1031655	20-00194000	North	HARRISON	OH	10.31655%	100.00000%	10.31655%							13664 Reeder Ave NE	Alliance	OH	44601
48	34-038781-000	PATRICK L KLODT & REBECCA A WILLIAMS	Yes	2.007945151	0.0016126	20-00194001	North	HARRISON	OH	0.16126%	100.00000%	0.16126%							13664 Reeder Ave NE	Alliance	OH	44601
49	34-008157-000	CHRISTOPHER & SANDI E RYLAND	Yes	5.60292801	0.0044999	20-00200000	North	HARRISON	OH	0.44999%	100.00000%	0.44999%							39713 Hanover Ridge Rd	Scio	OH	43988
50		TRP PARTNERSHIP	Yes	13.08728927	0.0105108	20-00204000	North	HARRISON	OH	1.05108%			100.00000%	1.05108%					PO Box 821	Elk Rapid	MI	49629
51	34-001664-000	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	Yes	5.211639515	0.0041856	20-00207000	North	HARRISON	OH	0.41856%	100.00000%	0.41856%							12258 Beech St NE	Alliance	OH	44601
51	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
51	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
51	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
51	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
52	1-355094-000	LARRY JOHN & BESSIE P PATTERSON	Yes	0.222887607	0.0001790	20-00207001	North	HARRISON	OH	0.01790%	100.00000%	0.01790%							39000 Gundy Ridge Rd	Scio	OH	43988
52	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
52	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
52	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
52	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
53	1-355095-000	LARRY JON & BESSIE PATRICIA PATTERSON	Yes	0.047462094	0.0000381	20-00207002	North	HARRISON	OH	0.00381%	100.00000%	0.00381%							39050 Gundy Ridge Rd	Scio	OH	43988
53	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
53	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
53	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
53	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
54	34-001664-000	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	Yes	2.094059931	0.0016818	20-00207003	North	HARRISON	OH	0.16818%	100.00000%	0.16818%							12258 Beech St NE	Alliance	OH	44601
54	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
54	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
54	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
54	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00207003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202

TRACT NUMBER	CHESAPEAKE LEASE ID NUMBER	LESSOR	LEASED YES/NO	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS	TOWNSHIP	COUNTY	STATE	UNIT WORKING INTEREST	CHESAPEAKE WORKING INTEREST	CHESAPEAKE UNIT PARTICIPATION	AMERICAN ENERGY UTICA WORKING INTEREST	AMERICAN ENERGY UTICA UNIT PARTICIPATION	HESS WORKING INTEREST	HESS UNIT PARTICIPATION	GULFPORT WORKING INTEREST	GULFPORT UNIT PARTICIPATION	ADDRESS	CITY	STATE	ZIP CODE
55	1-351359-000	CRAIG BROKAW	Yes	2.415025799	0.0019396	20-00215000	North	HARRISON	OH	0.19396%	100.00000%	0.19396%							38750 Gundy Ridge Rd	Scio	OH	43988
56	1-351359-000	CRAIG BROKAW	Yes	74.60304772	0.0599158	20-00215001	North	HARRISON	OH	5.99158%	100.00000%	5.99158%							38750 Gundy Ridge Rd	Scio	OH	43988
57	34-000016-000	MICHAEL J & PATRICIA L SEGA AND MARTIN W & KATHY L MARRIN	Yes	43.45057079	0.0348964	20-00216000	North	HARRISON	OH	3.48964%	100.00000%	3.48964%							733 Fixler Rd	Wadsworth	OH	44281
58	34-000016-000	MICHAEL J & PATRICIA L SEGA AND MARTIN W & KATHY L MARRIN	Yes	0.16135675	0.0001296	20-00217000	North	HARRISON	OH	0.01296%	100.00000%	0.01296%							733 Fixler Rd	Wadsworth	OH	44281
59	1-351377-000	JANET LOUISE BROKAW & JOYCE ANN ANTOL & JODI LYNN PIZZINO & JO ELLEN MOORE	Yes	68.7598609	0.0552229	20-00249000	North	HARRISON	OH	5.52229%	100.00000%	5.52229%							88725 Taggart Lane	Scio	OH	43988
60	34-000871-000	TIMOTHY M & JOYCE A ANTOL	Yes	0.352186266	0.0002829	20-00249001	North	HARRISON	OH	0.02829%	100.00000%	0.02829%							88815 Taggart Lane	Scio	OH	43988
61	1-351377-000	JANET LOUISE BROKAW & JOYCE ANN ANTOL & JODI LYNN PIZZINO & JO ELLEN MOORE	Yes	8.182677834	0.0065717	20-00250000	North	HARRISON	OH	0.65717%	100.00000%	0.65717%							88725 Taggart Lane	Scio	OH	43988
62	34-002294-000	ROBERTA K WOODS	Yes	1.438790771	0.0011555	20-00269000	North	HARRISON	OH	0.11555%	100.00000%	0.11555%							38485 Grandview Rd	Scio	OH	43988
63		WILBUR & KATHRYN S WOODS	Yes	1.391196258	0.0011173	20-00269001	North	HARRISON	OH	0.11173%							100.00000%	0.11173%	38465 Grandview Rd	Scio	OH	43988
64		KARL THOMAS WELLS & CURTIS LEE WELLS	Yes	35.97421315	0.0288919	20-00270000	North	HARRISON	OH	2.88919%							100.00000%	2.88919%	1068 Mayham Rd NE	Carrollton	OH	44615
65	34-0000757-000	FREEMAN E & RUTH A MILLER	Yes	10.27202435	0.0082497	20-00270001	North	HARRISON	OH	0.82497%	100.00000%	0.82497%							38345 Bower Rd	Scio	OH	43988
66	OPEN	ERVIN M. & LIZZIE A. SCHLABACH	No	6.413816343	0.0051511	20-00270003	North	HARRISON	OH	0.51511%									38255 Bower Rd	Scio	OH	43988
67	34-001970-000	THOMAS WATSON	Yes	0.962364631	0.0007729	20-00313000	North	HARRISON	OH	0.07729%	100.00000%	0.07729%							38680 Tappan-Scio Rd	Scio	OH	43988
68		RICHARD A & KAREN SUE BEATTY	Yes	0.928753348	0.0007459	20-00314000	North	HARRISON	OH	0.07459%							100.00000%	0.07459%	38575 Bower Rd	Scio	OH	43988
69		ALBERT J & ANNA J MILLER	Yes	1.666593755	0.0013385	20-00316000	North	HARRISON	OH	0.13385%							100.00000%	0.13385%	88440 Taggart Lane	Scio	OH	43988
70		ALBERT J & ANNA J MILLER	Yes			20-00316000B	North	HARRISON	OH								100.00000%		88440 Taggart Lane	Scio	OH	43988
70		ST. JAMES LUTHERAN CHURCH	Yes	5.490907974	0.0044099	20-00316000B	North	HARRISON	OH	0.44099%	100.00000%	0.44099%							203 E Main St	Jewett	OH	43986
70		ZION LUTHERAN CHURCH	Yes	2.828649563	0.0022718	20-00316000B	North	HARRISON	OH	0.22718%	100.00000%	0.22718%							16 Ridgecrest Rd	Wheeling	WV	26003
71	34-017824-000	EMMA L CROWNOBLE	Yes	0.917059924	0.0007365	20-00343000	North	HARRISON	OH	0.07365%	100.00000%	0.07365%							38770 Tappan-Scio Rd	Scio	OH	43988
72	34-000681-000	JOSEPH & TANYA FLUHARTY	Yes	0.024428978	0.0000196	20-00344000	North	HARRISON	OH	0.00196%	100.00000%	0.00196%							39152 Graham Rd	Woodsfield	OH	43793
73	34-000681-000	JOSEPH & TANYA FLUHARTY	Yes	0.89922692	0.0007222	20-00346000	North	HARRISON	OH	0.07222%	100.00000%	0.07222%							39152 Graham Rd	Woodsfield	OH	43793
74	34-003862-000	BARRY & LINDA EASLICK	Yes	1.001054127	0.0008040	20-00359000	North	HARRISON	OH	0.08040%	100.00000%	0.08040%							87668 Dodson Rd	Scio	OH	43988
75	34-003921-000	DAVID J EASLICK	Yes	1.769801511	0.0014214	20-00361000	North	HARRISON	OH	0.14214%	100.00000%	0.14214%							38495 Grandview Rd	Scio	OH	43988
76	34-003921-000	DAVID J EASLICK	Yes	2.798104087	0.0022472	20-00362000	North	HARRISON	OH	0.22472%	100.00000%	0.22472%							38495 Grandview Rd	Scio	OH	43988
77	34-003921-000	DAVID J EASLICK	Yes	0.96541996	0.0007754	20-00363000	North	HARRISON	OH	0.07754%	100.00000%	0.07754%							38495 Grandview Rd	Scio	OH	43988
78	34-013763-000	NANCY ALBAUGH	Yes	0.543001493	0.0004361	20-00365000	North	HARRISON	OH	0.04361%	100.00000%	0.04361%							38730 State Route 646/Tappan-Scio Rd	Scio	OH	43988
79	34-016206-000	RANDALL E & DENISE L CROWNOBLE	Yes	0.74779277	0.0006006	20-00389000	North	HARRISON	OH	0.06006%	100.00000%	0.06006%							2025 Brumbaugh NW	North Canton	OH	44720
80		RICHARD A & KAREN SUE BEATTY	Yes	1.305864202	0.0010488	20-00430000	North	HARRISON	OH	0.10488%							100.00000%	0.10488%	38575 Bower Rd	Scio	OH	43988
81	1-355094-000	LARRY JOHN & BESSIE P PATTERSON	Yes	0.505020356	0.0004056	20-00487000	North	HARRISON	OH	0.04056%	100.00000%	0.04056%							39000 Gundy Ridge Rd	Scio	OH	43988
81	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00487000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
81	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00487000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
81	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00487000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
81	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00487000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
82	34-036309-000	JAMES D SMITH	Yes	1.002316799	0.0008050	20-00531000	North	HARRISON	OH	0.08050%	100.00000%	0.08050%							38420 Bower Rd	Scio	OH	43988
83		KENNETH LEE & DIXIE B HENDRICKS	Yes	0.642039149	0.0005156	20-00537000	North	HARRISON	OH	0.05156%							100.00000%	0.05156%	Box 51/38740 SR 646	Scio	OH	43988
84	34-037849-000	CAROL S ROGERS	Yes	1.370272079	0.0011005	20-00543000	North	HARRISON	OH	0.11005%	100.00000%	0.11005%							39180 Gundy Ridge Rd	Scio	OH	43988
84	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00543000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
84	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00543000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
84	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00543000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202

TRACT NUMBER	CHESAPEAKE LEASE ID NUMBER	LESSOR	LEASED YES/NO	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS	TOWNSHIP	COUNTY	STATE	UNIT WORKING INTEREST	CHESAPEAKE WORKING INTEREST	CHESAPEAKE UNIT PARTICIPATION	AMERICAN ENERGY UTICA WORKING INTEREST	AMERICAN ENERGY UTICA UNIT PARTICIPATION	HESS WORKING INTEREST	HESS UNIT PARTICIPATION	GULFPORT WORKING INTEREST	GULFPORT UNIT PARTICIPATION	ADDRESS	CITY	STATE	ZIP CODE
84	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00543000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
85	34-0000464-001	LENNY A & BEVERLY J STATLER	Yes	2.059920544	0.0016544	20-00544000	North	HARRISON	OH	0.16544%	100.00000%	0.16544%							39300 Gundy Rdige Rd	Scio	OH	43988
85	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00544000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
85	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00544000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
85	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00544000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
85	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00544000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
86	34-005187-000	JOHM MAHONEY	Yes	1.004361875	0.0008066	20-00555000	North	HARRISON	OH	0.08066%	100.00000%	0.08066%							38460 Bower Rd	Scio	OH	43988
87	34-005187-000	JOHN MAHONEY	Yes	0.309917008	0.0002489	20-00556000	North	HARRISON	OH	0.02489%	100.00000%	0.02489%							38460 Bower Rd	Scio	OH	43988
88		WILBUR & KATHRYN S WOODS	Yes	0.010211805	0.0000082	20-00569000	North	HARRISON	OH	0.00082%							100.00000%	0.00082%	38465 Grandview Rd	Scio	OH	43988
89	34-000681-000	JOSEPH & TANYA FLUHARTY	Yes	0.378025261	0.0003036	20-00576000	North	HARRISON	OH	0.03036%	100.00000%	0.03036%							39152 Graham Rd	Woodsfield	OH	43793
90	34-0001172-000	R.CHRISTOPHER & CATHY A REESE	Yes	0.290440326	0.0002333	20-00591000	North	HARRISON	OH	0.02333%	100.00000%	0.02333%							38340 Grandview Rd	Scio	OH	43988
91	34-001664-000	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	Yes	0.001288319	0.0000010	20-00640000	North	HARRISON	OH	0.00010%	100.00000%	0.00010%							12258 Beech St NE	Alliance	OH	44601
91	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
91	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
91	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
91	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640000	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
92	1-355094-000	LARRY JOHN & BESSIE P PATTERSON	Yes	4.450703118	0.0035745	20-00640001	North	HARRISON	OH	0.35745%	100.00000%	0.35745%							39000 Gundy Ridge Rd	Scio	OH	43988
92	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
92	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
92	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
92	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640001	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
93	1-355094-000	LARRY JOHN & BESSIE P PATTERSON	Yes	33.27322792	0.0267226	20-00640002	North	HARRISON	OH	2.67226%	100.00000%	2.67226%							39000 Gundy Ridge Rd	Scio	OH	43988
93	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
93	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
93	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
93	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640002	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
94	34-001664-000	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	Yes	12.56058914	0.0100878	20-00640003	North	HARRISON	OH	1.00878%	100.00000%	1.00878%							12258 Beech St NE	Alliance	OH	44601
94	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
94	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
94	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
94	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640003	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
95	34-001664-000	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	Yes	29.90507616	0.0240176	20-00640004	North	HARRISON	OH	2.40176%	100.00000%	2.40176%							12258 Beech St NE	Alliance	OH	44601
95	34-0001431-001	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640004	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
95	34-0001431-002	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640004	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
95	34-0001431-003	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640004	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202
95	34-0001434-001	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.	Yes			20-00640004	North	HARRISON	OH	0.00000%									Attn: Robert Lesan, One East 4th Street, Suite 1400	Cincinnati	OH	45202

TRACT NUMBER	CHESAPEAKE LEASE ID NUMBER	LESSOR	LEASED YES/NO	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS	TOWNSHIP	COUNTY	STATE	UNIT WORKING INTEREST	CHESAPEAKE WORKING INTEREST	CHESAPEAKE UNIT PARTICIPATION	AMERICAN ENERGY UTICA WORKING INTEREST	AMERICAN ENERGY UTICA UNIT PARTICIPATION	HESS WORKING INTEREST	HESS UNIT PARTICIPATION	GULFPORT WORKING INTEREST	GULFPORT UNIT PARTICIPATION	ADDRESS	CITY	STATE	ZIP CODE
96	34-0001069-001	MICHAEL J & PATRICIA L SEGA	Yes	1.957753049	0.0015723	20-00749000	North	HARRISON	OH	0.15723%	100.00000%	0.15723%							733 Fixler Rd	Wadsworth	OH	44281
96	34-0001069-002	MARTIN W & KATHLEEN L MARRIN	Yes	1.957753049	0.0015723	20-00749000	North	HARRISON	OH	0.15723%	100.00000%	0.15723%							406 Ivanhoe Ave	Wadsworth	OH	44281
97	34-0000796-001	FREDRICK W & KAREN I ERWIN	Yes			20-00749001	North	HARRISON	OH	0.00000%	0.00000%	0.00000%							88355 Taggart Lane	Scio	OH	43988
97	34-0001165-000	ST. JAMES LUTHERAN CHURCH	Yes	1.412171905	0.0011342	20-00749001	North	HARRISON	OH	0.11342%	100.00000%	0.11342%							203 E Main St	Jewett	OH	43986
97	34-0001164-001	ZION LUTHERAN CHURCH	Yes	0.727482497	0.0005843	20-00749001	North	HARRISON	OH	0.05843%	100.00000%	0.05843%							16 Ridgecrest Rd	Wheeling	WV	26003
98	34-0000970-001	MICHAEL J & PATRICIA L SEGA	Yes		0.0000000	20-00749002	North	HARRISON	OH	0.00000%	100.00000%	0.00000%							733 Fixler Rd	Wadsworth	OH	44281
98	34-0001165-000	ST. JAMES LUTHERAN CHURCH	Yes	4.323185757	0.0034721	20-00749002	North	HARRISON	OH	0.34721%	100.00000%	0.34721%							203 E Main St	Jewett	OH	43986
98	34-0001164-001	ZION LUTHERAN CHURCH	Yes	2.227095693	0.0017886	20-00749002	North	HARRISON	OH	0.17886%	100.00000%	0.17886%							16 Ridgecrest Rd	Wheeling	WV	26003
99		RICHARD D & MARY JEAN HARRISON	Yes			20-00749004	North	HARRISON	OH	0.00000%							100.00000%		88400 Taggart Lane	Scio	OH	43988
99	34-0001165-000	ST. JAMES LUTHERAN CHURCH	Yes	0.116434215	0.0000935	20-00749004	North	HARRISON	OH	0.00935%	100.00000%	0.00935%							203 E Main St	Jewett	OH	43986
99	34-0001164-001	ZION LUTHERAN CHURCH	Yes	0.059981262	0.0000482	20-00749004	North	HARRISON	OH	0.00482%	100.00000%	0.00482%							16 Ridgecrest Rd	Wheeling	WV	26003
100		RICHARD D & MARY JEAN HARRISON	Yes			20-00749005	North	HARRISON	OH	0.00000%							100.00000%	0.00000%	88400 Taggart Lane	Scio	OH	43988
100	34-0001165-000	ST. JAMES LUTHERAN CHURCH	Yes	0.141712927	0.0001138	20-00749005	North	HARRISON	OH	0.01138%	100.00000%	0.01138%							203 E Main St	Jewett	OH	43986
100	34-0001164-001	ZION LUTHERAN CHURCH	Yes	0.073003629	0.0000586	20-00749005	North	HARRISON	OH	0.00586%	100.00000%	0.00586%							16 Ridgecrest Rd	Wheeling	WV	26003
101		RICHARD D & MARY JEAN HARRISON	Yes	1.034686102	0.0008310	20-00750000	North	HARRISON	OH	0.08310%							100.00000%	0.08310%	88400 Taggart Lane	Scio	OH	43988
102		RICHARD D & MARY JEAN HARRISON	Yes			20-00750000B	North	HARRISON	OH	0.00000%							100.00000%		88400 Taggart Lane	Scio	OH	43988
102		ST. JAMES LUTHERAN CHURCH	Yes	0.187901885	0.0001509	20-00750000B	North	HARRISON	OH	0.01509%	100.00000%	0.01509%							203 E Main St	Jewett	OH	43986
102		ZION LUTHERAN CHURCH	Yes	0.096797941	0.0000777	20-00750000B	North	HARRISON	OH	0.00777%	100.00000%	0.00777%							16 Ridgecrest Rd	Wheeling	WV	26003
103		CHARLES A YALTIC	Yes	52.04037283	0.0417951	20-00763000	North	HARRISON	OH	4.17951%							100.00000%	4.17951%	38625 Tappan-Scio Rd	Scio	OH	43988
104	34-018601-000	WILLIAM L & REBECCA A HANEY	Yes	1.005260198	0.0008074	20-00763001	North	HARRISON	OH	0.08074%	100.00000%	0.08074%							38700 Tappan-Scio Rd	Scio	OH	43988
105		MICHAEL J SEGA	Yes	2.01271548	0.0016165	20-00764000	North	HARRISON	OH	0.16165%	100.00000%	0.16165%							733 Fixler Rd	Wadsworth	OH	44281
105		PATRICIA L SEGA	Yes	2.01271548	0.0016165	20-00764000	North	HARRISON	OH	0.16165%	100.00000%	0.16165%							733 Fixler Rd	Wadsworth	OH	44281
105		MARTIN MARRIN	Yes	2.01271548	0.0016165	20-00764000	North	HARRISON	OH	0.16165%	100.00000%	0.16165%							406 Ivanhoe Ave	Wadsworth	OH	44281
105		KATHY MARRIN	Yes	2.01271548	0.0016165	20-00764000	North	HARRISON	OH	0.16165%	100.00000%	0.16165%							406 Ivanhoe Ave	Wadsworth	OH	44281
105	OPEN	KENNETH G. PETERSON	No			20-00764000	North	HARRISON	OH	0.00000%									17365 Deerhorn Rd SE	Tippecanoe	OH	44699
105	OPEN	UNKNOWN HEIRS, SUCCESSORS, OR ASSIGNS OF KENNETH F. & BETTY MAE PETERSON	No			20-00764000	North	HARRISON	OH	0.00000%									N/A	N/A	N/A	N/A
106	34-017822-001	SANDRA J DODSON	Yes	17.82311334	0.0143142	29-00067000	Stock	HARRISON	OH	1.43142%	100.00000%	1.43142%							3294 Devin Rd	Grove City	OH	43123
107	34-005027-001	FRED R GUTHRIE	Yes	1.338287348	0.0010748	29-00084000	Stock	HARRISON	OH	0.10748%	100.00000%	0.10748%							87255 Dodson Rd	Scio	OH	43988
107	34-005027-002	MARION E GUTHRIE	Yes	1.338287348	0.0010748	29-00084000	Stock	HARRISON	OH	0.10748%	100.00000%	0.10748%							11681 Easy St	Largo	FL	33773
108	34-005027-001	FRED R GUTHRIE	Yes	0.241825077	0.0001942	29-00344000	Stock	HARRISON	OH	0.01942%	100.00000%	0.01942%							87255 Dodson Rd	Scio	OH	43988
109	34-005027-002	MARION E GUTHRIE	Yes	38.03092772	0.0305437	29-00711000	Stock	HARRISON	OH	3.05437%	100.00000%	3.05437%							11681 Easy St	Largo	FL	33773
109	34-005028-001	FRED R GUTHRIE	Yes	38.03092772	0.0305437	29-00711000	Stock	HARRISON	OH	3.05437%	100.00000%	3.05437%							87255 Dodson Rd	Scio	OH	43988
110	34-005027-002	MARION E GUTHRIE	Yes	15.01563106	0.0120595	29-00711001	Stock	HARRISON	OH	1.20595%	100.00000%	1.20595%							11681 Easy St	Largo	FL	33773
110	34-005028-001	FRED R GUTHRIE	Yes	15.01563106	0.0120595	29-00711001	Stock	HARRISON	OH	1.20595%	100.00000%	1.20595%							87255 Dodson Rd	Scio	OH	43988
111	34-017822-001	SANDRA J DODSON	Yes	0.020278019	0.0000163	29-00712000	Stock	HARRISON	OH	0.00163%	100.00000%	0.00163%							3294 Devin Rd	Grove City	OH	43123
			TOTAL LEASED ACRES:	**1130.0533020**	**0.9075770**					**90.75770%**		**71.39189%**		**1.05108%**		**2.43171%**		**15.88303%**				
			TOTAL NON-DMA LEASED ACRES:	**1122.0024400**	**0.9011111**					**90.11111%**		**70.74530%**		**1.05108%**		**2.43171%**		**15.88303%**				
			TOTAL UNIT ACRES:	**1245.1321984**																		

Exhibit "A-3"

Unitized Parties

Attached to and made a part of that certain Unit Operating Agreement dated March 26, 2014 as approved by the Ohio Department of Natural Resources for the Klodt Unit.

TRACT NUMBER	LESSOR	ADDRESS	LEASED YES/NO	SURFACE ACRES IN UNIT	TRACT PARTICIPATION	TAX MAP PARCEL ID NUMBERS	TOWNSHIP	COUNTY	STATE	LESSOR WORKING INTEREST	UNIT PARTICIPATION	
1	DONNA M BENJAMIN	5690 W 224TH ST, CLEVELAND, OH 44126	NO	54.61878504	0.0438659	01-00028000	ARCHER	HARRISON	OH	100.00%	0.043866	
11	JOHN M LUBER	86663 FIFE RD, CADIZ, OH 43907	NO	54.04629507	0.0434061	01-00258000	ARCHER	HARRISON	OH	100.00%	0.043406	
66	ERVIN M. SCHLABACH, JR. & LIZZIE A. SCHLABACH	38255 BOWER RD, SCIO, OH 43988	NO	6.41381634	0.0051511	Part of 20-00270001 (n/k/a 20-00270003)	NORTH	HARRISON	OH	100.00%	0.005151	
105	KENNETH G. PETERSON	17365 DEERHORN RD SE, TIPPECANOE, OH 44699	NO	4.02543096	0.0032329	20-00764000	NORTH	HARRISON	OH	100.00%	0.003233	*
105	UNKNOWN HEIRS, SUCCESSORS, OR ASSIGNS OF KENNETH F. & BETTY MAE PETERSON	**UNKNNOWN**	NO	4.02543096	0.0032329	20-00764000	NORTH	HARRISON	OH	100.00%	0.003233	*
		UNLEASED ACRES:		**115.078896**	**0.0924230**							
		DMA ACRES:		**8.050862**	**0.0064659**							
		TOTAL UNITIZED ACRES:		**123.129758**	**0.0988889**							
		TOTAL UNIT ACRES:		**1245.132198**								

***These tracts are subject to Ohio's Dormant Mineral Act statute. Depending upon future intepretation by Ohio's judicial system, these tracts may or may not be currently leased.**

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

In re the Matter of the Application of	:	
Chesapeake Exploration, L.L.C., for	:	
Unit Operation	:	Application Date: March 28, 2014
	:	
Klodt Unit	:	

PREPARED TESTIMONY OF DAVID F. YARD, PE
ON BEHALF OF CHESAPEAKE EXPLORATION, L.L.C.

R. Neal Pierce (0028379)
Katerina E. Milenkovski (0063314)
STEPTOE & JOHNSON PLLC
Huntington Center
41 South High Street, Suite 2200
Columbus, OH 43215

Attorneys for Applicant,
Chesapeake Exploration, L.L.C.

Date: March 28, 2014

Exhibit 4

PREPARED DIRECT TESTIMONY OF DAVID F. YARD, PE

Q1. Please introduce yourself.

A1. My name is David Yard and my business address is 6100 N. Western Avenue, Oklahoma City, Oklahoma 73154-0496. I am a Reservoir Engineering Advisor for Chesapeake Energy Corporation.

Q2. What is the purpose of your testimony today?

A2. I am testifying in support of the Application of Chesapeake Exploration, L.L.C., for Unit Operation filed with respect to the Klodt Unit. My testimony addresses the following: (1) that unit operations for the Klodt Unit are reasonably necessary to increase substantially the recovery of oil and gas, protect the correlative rights of the mineral owners, and (2) that the estimated additional revenue, due to unit operations, exceeds the estimated additional capital investment.

Q3. Can you summarize your educational experience for me?

A3. I hold a Bachelors of Science degree from Columbia University, NYC and I am licensed as a Professional Petroleum Engineer in the State of Oklahoma, #14582.

Q4. Are you a member of any professional associations?

A4. I am a member, and former Section Chairman, of the Society of Petroleum Engineers; a member of the Society of Petroleum Evaluation Engineers; and member of the Interstate Oil and Gas Compact Commission.

Q5. How long have you been a Reservoir Engineer for Chesapeake?

A5. Three years.

Q6. What other work experiences have you had?

A6. I have experience of more than 30 years in the oil and gas industry; twenty of those years as a domestic and international consultant specializing in regional studies for investment purposes, secondary and tertiary flood design, optimization of mature oil and gas fields, pressure transient analysis, Nodal analysis, and the economic evaluation of oil and gas properties. I was one of the two founders of Columbia Production Co.; President and CEO (4 yrs). Additionally, I was Technical Manager, Oklahoma Corporation Commission, Oil and Gas Division in 2002.

Q7. What do your job responsibilities entail?

A7. I do exploratory property evaluations and strategic planning. I also train, coach, and mentor other engineers in all matters associated with reservoir engineering and the public

disclosure of Chesapeake's assets. Finally I am responsible for the preparation of expert engineering testimony for the Utica play in Ohio as well as all other areas of interest to Chesapeake Energy Corporation.

Q8. How do you do that?

A8. I use public and proprietary information, coupled with sound engineering practices to audit the value of Chesapeake assets. Practices include, but are not limited to, volumetrics, material balance, Arps (decline curve) analysis, as well as other forms of rate-time analysis and analytical models.

Q9. Did you perform any analysis to support Chesapeake's application for unitization for the proposed Klodt Unit?

A9. Yes.

Q10. What sort of analysis did you perform?

A10. First, I estimated the gas-in-place (GIP) without unitization, observing current regulatory setbacks for individual tracts. Next, I calculated GIP pursuant to a unitization order. Lastly, I calculated the future revenue, based on current pricing, and determined a minimum recovery factor (RF) needed for revenues to exceed capital investment.

Q11. Why is Chesapeake looking at drilling horizontal wells?

A11. The permeability of unconventional resource plays is so low (in nano-darcy units (nd), i.e. 1.0×10^{-9} darcies) that the hydrocarbons cannot be economically produced without the use of horizontal drilling, coupled with massive stimulation treatments (i.e. hydraulic fracturing). Horizontal drilling is the predominant method used to develop shale formations such as the Utica/Point Pleasant.

Q12. Turning specifically to the Klodt Unit, have you made an estimate of the production you anticipate from the proposed unit's operations?

A12. Yes. I have estimated the GIP from the proposed Unit Area in the Klodt Unit to be 122.6 BCFE.

Q13. How did you make those estimates?

A13. I used isopleth maps of petrophysical data, obtained from other wells in the area, to estimate the anticipated GIP.

Q14. Once you had that data from the other Utica/Point Pleasant wells, what did you do with it?

A14. I used the porosity, water saturations, net pay, formation pressures, etc. to do volumetric calculations based on industry accepted methodologies.

Q15. Why do you qualify your calculations as an estimate?

A15. There is always the possibility that the petrophysical and geological data used from offset wells may be slightly different than the characteristics of the productive horizon at this location. However, the volumetric calculations of GIP should be a reasonably certain estimate in this statistical unconventional play.

Q16. In your professional opinion, would it be economic to develop the Klodt Unit using traditional vertical drilling?

A16. Absolutely not.

Q17. Are the estimates that you made based on good engineering practices and accepted methods in the industry?

A17. Yes.

Q18. Do you have the calculations you performed?

A18. The results of my calculations are attached to this prepared testimony as Exhibit DFY-1.

Q19. Can you summarize what your calculations show?

A19. The results of my prior stated methodology are (assuming 100% recovery in all cases);

1) Capital expenditure (CAPEX) to develop the unitized project is $70.3 million. GIP from the project is 116.7 BCFE (reduced from 122.6 BCFE due to regulatory setbacks from unit boundaries) and future revenues (using current SEC pricing of $3.989/Mcf (no btu adjustments)) are $465.6 million. A recovery factor (RF) of 15.1% is needed to achieve revenues that exceed CAPEX.

2) CAPEX to develop the non-unitized project is $47.9 million. GIP from the project is 79.2 BCFE and future revenues (using current SEC pricing of $3.989/Mcf (no btu adjustments)) are $315.9 million. A recovery factor (RF) of 15.1% is needed to achieve revenues that exceed CAPEX.

Q20. Can you briefly explain why you are using current SEC pricing in this application?

A20. Every company has its own ideas of economic indicators by which it decides to invest in an opportunity or not. Current SEC pricing, un-escalated, eliminates all the issues associated with corporate decision trees and reduces the evaluation of corporate assets, and projects, to a single deterministic standard. We have no clear crystal ball into the

future of oil and gas prices. What we do know, and can verify, is the price we currently and historically get for each barrel of oil and each MMbtu of gas.

Q21. Can you briefly discuss why your analysis in this application considers natural gas as the only product to be produced?

A21. We know that the products ultimately purchased from these wells will be comprised of natural gas, condensate, and natural gas liquids (NGLs). However, for the purpose of conducting a volumetric analysis of the reservoir at initial conditions, there is only natural gas in the reservoir. The condensates and NGLs are separated out at the surface and sold separately, when economic to do so, in an attempt to maximize cash flow. Ultimately, as the reservoir pressure drops below the dew point, condensate will drop out in the reservoir. However, under initial conditions the reservoir is only natural gas. By using only gas prices to evaluate the future cash flow from the project, I have assumed the most conservative scenario, as no additional value for condensate sales, btu adjustments, or NGL sales, all very real values, have been included. If the cash flow from the project exceeds the investment, under the most conservative scenario, then unitization should be granted to protect the correlative rights of the mineral owners.

Q22. Can you briefly comment on the anticipated range of recovery factors that Chesapeake would expect to achieve for the Klodt Unit?

A22. Based upon the current statistical distribution of known data, a range of 30% to 70% is anticipated. The statistical mean of the data is 49%.

Q23. Based on this information and your professional judgment, do unit operations increase substantially the ultimate recovery of oil and gas?

A23. Yes. The GIP in the unitized project increases by approximately 47% from 79.2 BCFE to 116.7 BCFE.

Q24. Based on this information and your professional judgment, does the value of the estimated additional recovery of hydrocarbons from the unitized project exceed its estimated costs?

A24. Yes. CAPEX increases by $22.4 million (47%) for the unitized project from the non-unitized project. The maximum value of additional revenues from the proposed Klodt Unit is approximately $149.6 million (47%) as compared to what could be realized without approval of this application for unit operations.

Q25. In your professional opinion, do you believe that the proposed unit operations for the Klodt Unit are reasonably necessary to increase substantially the ultimate recovery of oil and gas from the unit area?

A25. Yes. The unitization of the Klodt Unit is definitely needed to maximize the economic benefit to the interest owners, and protect the correlative rights of the mineral owners. If the project is not unitized it will strand 32.1% of the recoverable gas, or 37.5 BCFE (100% RF) in the ground from which mineral owners would, most likely, never see financial benefit, nor Chesapeake, nor the State of Ohio.

Q26. Does this conclude your testimony?

A26. Yes.

EXHIBIT "DFY-1"

Klodt Unit

	Acreage	GIP (BCFE)
Nonconsenting Parcels (1)	115.1	11.3
Stranded CHK Leasehold (2)	163.8	16.1
Stranded Non-CHK Leasehold (3)	112.0	11.0
Abbreviated Development (4) = 5-(1+2+3))	854.3	84.1
Unit Total (5)	1245.1	122.6

UNITIZED

Well Name	Lateral Length (ft)	GIP (BCFE)	Capital (MM$)
Klodt 201H	8950	16.4	$9.88
Klodt 1H	8900	16.3	$9.82
Klodt 3H	8875	16.2	$9.80
Klodt 5H	8850	16.2	$9.77
Klodt 206H	7050	12.9	$7.75
Klodt 6H	7050	12.9	$7.75
Klodt 8H	7050	12.9	$7.75
Klodt 10H	7050	12.9	$7.75
	63,775	**116.7**	**$70.3**

NON-UNITIZED

Well Name	Lateral Length (ft)	GIP (BCFE)	Capital (MM$)	
Klodt 201H	6050	11.1	$6.63	
Klodt 1H	6075	11.1	$6.66	
Klodt 3H	6325	11.6	$6.94	
Klodt 5H	8850	16.2	$9.77	
Klodt 206H	3700	6.8	$4.00	
Klodt 6H	3775	6.9	$4.08	
Klodt 8H	4200	5.2	$4.56	
Klodt 10H	5675	10.4	$5.22	* 1375' NPZ
	44,650	**79.2**	**$47.9**	

* NPZ = No Perf Zone

SEC Price = $3.989	Unitized	Non-Unitized	Increases due to Unitization
Total Capital (MM$) *	$70.28	$47.86	$22.42
GIP (BCFE)	116.71	79.19	37.52
Potential Revenues (MM$) @ SEC (3.989)	$465.55	$315.91	$149.65
RF needed for revenue to exceed CAPEX	15.1%	15.1%	

** CAPEX for compression and pipeline will be burden of midstream operator*

% increase in Total Capital due to Unitization:	47%
% increase in GIP due to Unitization:	47%
% increase in Revenues due to Unitization:	47%
Est. Time to PO, Yrs:	2
Est. RF% due to Unitization:	**52%**
Est. Abreviated RF%:	**35%**

* Used Toe Setback of 150 '

** Used Heel Setback of 250 '

Total amount of setbacks = 400 '

Stranded GIP due to setbacks = 0.73 BCF

Exhibit 6.1

Working Interest Owners

Attached to and made a part of that certain Unit Operating Agreement dated March 26, 2014 as approved by the Ohio Department of Natural Resources for the Klodt Unit.

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
2	JOSEPH W KROPKA	29.95794512	01-00030000
3	JOSEPH W KROPKA	0.320047582	01-00030001
4	MARK & ELLEN RUTH ZIEGLER	29.87710614	01-00106000
5	MARK A ZIEGLER	16.15651182	01-00107000
6	NANCY & LEONARD T DOWDLE	10.47455561	01-00173002
7	JAMES & MYRNA KEYSER	0.932482263	01-00173003
8	DONALD E & CAROL J MYERS	83.69561741	01-00202000
9	CHRISTOPHER & SANDI E RYLAND	3.033587103	01-00216000
10	GEORGE R & DIANA S GATES	4.476801215	01-00228000
10	DARRAN C PITTMAN	4.476801215	01-00228000
10	DANA L & JUNE A PITTMAN	4.476801215	01-00228000
10	LOUIS H, JR & DONNA J BEDFORD	4.476801215	01-00228000
12	ROBERT & JACQUELINE KING	0.999892852	01-00258001
13	ROSS L & ELLEN A DEWALT	0.28515773	01-00301000
14	LOWELL R GILHAM	0.465350323	01-00309000
15	LOWELL R GILHAM	4.271320586	01-00310000
16	ADAM MICHAEL GROVE	2.741423634	01-00340000
17	ROBERT G & MARY F HOOKER	5.478678369	01-00479000
18	HELEN A HALTER	0.062028719	01-00514000
19	ARTHUR TOM ALBAUGH & REBECCA SUE ALBAUGH & COLLIN T ALBAUGH & TRAVIS DEAN ALBAUGH	0.25875451	20-00002000
20	MARION & DOROTHY ALBRIGHT	3.331614933	20-00005000
21	MARION & DOROTHY ALBRIGHT	6.53307192	20-00006000
22	ROBERT A CHRISTIE	3.352720964	20-00018000
23	DANIEL C & ESTHER W BYLER	2.448340927	20-00026000

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
24	RICHARD A & KAREN S BEATTY	9.186797812	20-00026001
25	THOMAS WATSON	15.29952246	20-00026002
26	F DONALD & JOYCE M SMITH	15.95016344	20-00026003
27	JAMES RODNEY SHERBS	2.853454642	20-00026004
28	DANIEL C & ESTHER W BYLER	4.084291876	20-00026005
29	RICHARD A & KAREN S BEATTY	2.070545717	20-00026006
30	F DONALD & JOYCE M SMITH	5.402687058	20-00026007
31	KAREN I & FREDERICK WILLIAM ERWIN	14.73499029	20-00030000
32	DANIEL S & IRENE D YODER	13.09359855	20-00030001
33	DANIEL S & IRENE D YODER		20-00030001B
33	ST. JAMES LUTHERAN CHURCH	0.279948606	20-00030001B
33	ZION LUTHERAN CHURCH	0.144215948	20-00030001B
34	MICHAEL J & PATRICIA L SEGA AND MARTIN W & KATHY L MARRIN	1.007839053	20-00030002
35	CRAIG & JANET L BROKAW	5.37485802	20-00030003
36	DANIEL S & IRENE D YODER	1.083547445	20-00030004
37	CRAIG BROKAW	13.72304722	20-00043000
38	BARRY & LINDA EASLICK	32.1091823	20-00092000
39	SANDRA L. HARRISON	1.001049807	20-00092001
40	STEPHEN & CHRISTINE MITCHELL	2.147707753	20-00097000
41	STEPHEN & CHRISTINE MITCHELL	0.08198671	20-00098000
42	STEPHEN & CHRISTINE MITCHELL	1.197257412	20-00099000
43	BARRY A EASTERLING	42.16027582	20-00141000
44	BARRY A EASTERLING	5.323919453	20-00142000
45	RODNEY L COOPER	0.102219229	20-00190001
46	FRED R GUTHRIE	2.447143398	20-00193000
47	PATRICK L KLODT & REBECCA A WILLIAMS	128.4546797	20-00194000
48	PATRICK L KLODT & REBECCA A WILLIAMS	2.007945151	20-00194001

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
49	CHRISTOPHER & SANDI E RYLAND	5.60292801	20-00200000
50	TRP PARTNERSHIP	13.08728927	20-00204000
51	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	5.211639515	20-00207000
51	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207000
51	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207000
51	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207000
51	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207000
52	LARRY JOHN & BESSIE P PATTERSON	0.222887607	20-00207001
52	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207001
52	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207001
52	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207001
52	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207001
53	LARRY JON & BESSIE PATRICIA PATTERSON	0.047462094	20-00207002
53	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207002
53	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207002
53	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207002
53	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207002
54	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	2.094059931	20-00207003
54	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207003
54	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207003
54	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207003
54	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00207003
55	CRAIG BROKAW	2.415025799	20-00215000
56	CRAIG BROKAW	74.60304772	20-00215001
57	MICHAEL J & PATRICIA L SEGA AND MARTIN W & KATHY L MARRIN	43.45057079	20-00216000
58	MICHAEL J & PATRICIA L SEGA AND MARTIN W & KATHY L MARRIN	0.16135675	20-00217000
59	JANET LOUISE BROKAW & JOYCE ANN ANTOL & JODI LYNN PIZZINO & JO ELLEN MOORE	68.7598609	20-00249000

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
60	TIMOTHY M & JOYCE A ANTOL	0.352186266	20-00249001
61	JANET LOUISE BROKAW & JOYCE ANN ANTOL & JODI LYNN PIZZINO & JO ELLEN MOORE	8.182677834	20-00250000
62	ROBERTA K WOODS	1.438790771	20-00269000
63	WILBUR & KATHRYN S WOODS	1.391196258	20-00269001
64	KARL THOMAS WELLS & CURTIS LEE WELLS	35.97421315	20-00270000
65	FREEMAN E & RUTH A MILLER	10.27202435	20-00270001
67	THOMAS WATSON	0.962364631	20-00313000
68	RICHARD A & KAREN SUE BEATTY	0.928753348	20-00314000
69	ALBERT J & ANNA J MILLER	1.666593755	20-00316000
70	ALBERT J & ANNA J MILLER		20-00316000B
70	ST. JAMES LUTHERAN CHURCH	5.490907974	20-00316000B
70	ZION LUTHERAN CHURCH	2.828649563	20-00316000B
71	EMMA L CROWNOBLE	0.917059924	20-00343000
72	JOSEPH & TANYA FLUHARTY	0.024428978	20-00344000
73	JOSEPH & TANYA FLUHARTY	0.89922692	20-00346000
74	BARRY & LINDA EASLICK	1.001054127	20-00359000
75	DAVID J EASLICK	1.769801511	20-00361000
76	DAVID J EASLICK	2.798104087	20-00362000
77	DAVID J EASLICK	0.96541996	20-00363000
78	NANCY ALBAUGH	0.543001493	20-00365000
79	RANDALL E & DENISE L CROWNOBLE	0.74779277	20-00389000
80	RICHARD A & KAREN SUE BEATTY	1.305864202	20-00430000
81	LARRY JOHN & BESSIE P PATTERSON	0.505020356	20-00487000
81	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00487000
81	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00487000
81	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00487000
81	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00487000

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
82	JAMES D SMITH	1.002316799	20-00531000
83	KENNETH LEE & DIXIE B HENDRICKS	0.642039149	20-00537000
84	CAROL S ROGERS	1.370272079	20-00543000
84	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00543000
84	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00543000
84	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00543000
84	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00543000
85	LENNY A & BEVERLY J STATLER	2.059920544	20-00544000
85	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00544000
85	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00544000
85	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00544000
85	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00544000
86	JOHM MAHONEY	1.004361875	20-00555000
87	JOHN MAHONEY	0.309917008	20-00556000
88	WILBUR & KATHRYN S WOODS	0.010211805	20-00569000
89	JOSEPH & TANYA FLUHARTY	0.378025261	20-00576000
90	R.CHRISTOPHER & CATHY A REESE	0.290440326	20-00591000
91	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	0.001288319	20-00640000
91	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640000
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91	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640000
91	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640000
92	LARRY JOHN & BESSIE P PATTERSON	4.450703118	20-00640001
92	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640001
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92	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640001

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
93	LARRY JOHN & BESSIE P PATTERSON	33.27322792	20-00640002
93	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640002
93	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640002
93	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640002
93	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640002
94	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	12.56058914	20-00640003
94	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640003
94	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640003
94	THE MABEL PEW MYRIN TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640003
94	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640003
95	WILLARD C & RAMONA J EVANS AND GORDON E & SUE L EVANS	29.90507616	20-00640004
95	THE FREEDOM TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640004
95	THE MEDICAL TRUST, BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640004
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95	THE J. N. PEW CHARITABLE TRUST. BY THE GLENMEDE TRUST COMPANY, N.A.		20-00640004
96	MICHAEL J & PATRICIA L SEGA	1.957753049	20-00749000
96	MARTIN W & KATHLEEN L MARRIN	1.957753049	20-00749000
97	FREDRICK W & KAREN I ERWIN		20-00749001
97	ST. JAMES LUTHERAN CHURCH	1.412171905	20-00749001
97	ZION LUTHERAN CHURCH	0.727482497	20-00749001
98	MICHAEL J & PATRICIA L SEGA		20-00749002
98	ST. JAMES LUTHERAN CHURCH	4.323185757	20-00749002
98	ZION LUTHERAN CHURCH	2.227095693	20-00749002
99	RICHARD D & MARY JEAN HARRISON		20-00749004
99	ST. JAMES LUTHERAN CHURCH	0.116434215	20-00749004
99	ZION LUTHERAN CHURCH	0.059981262	20-00749004
100	RICHARD D & MARY JEAN HARRISON		20-00749005

TRACT NUMBER	LESSOR	SURFACE ACRES IN UNIT	TAX MAP PARCEL ID NUMBERS
100	ST. JAMES LUTHERAN CHURCH	0.141712927	20-00749005
100	ZION LUTHERAN CHURCH	0.073003629	20-00749005
101	RICHARD D & MARY JEAN HARRISON	1.034686102	20-00750000
102	RICHARD D & MARY JEAN HARRISON		20-00750000B
102	ST. JAMES LUTHERAN CHURCH	0.187901885	20-00750000B
102	ZION LUTHERAN CHURCH	0.096797941	20-00750000B
103	CHARLES A YALTIC	52.04037283	20-00763000
104	WILLIAM L & REBECCA A HANEY	1.005260198	20-00763001
105	MICHAEL J SEGA	2.01271548	20-00764000
105	PATRICIA L SEGA	2.01271548	20-00764000
105	MARTIN MARRIN	2.01271548	20-00764000
105	KATHY MARRIN	2.01271548	20-00764000
106	SANDRA J DODSON	17.82311334	29-00067000
107	FRED R GUTHRIE	1.338287348	29-00084000
107	MARION E GUTHRIE	1.338287348	29-00084000
108	FRED R GUTHRIE	0.241825077	29-00344000
109	MARION E GUTHRIE	38.03092772	29-00711000
109	FRED R GUTHRIE	38.03092772	29-00711000
110	MARION E GUTHRIE	15.01563106	29-00711001
110	FRED R GUTHRIE	15.01563106	29-00711001
111	SANDRA J DODSON	0.020278019	29-00712000
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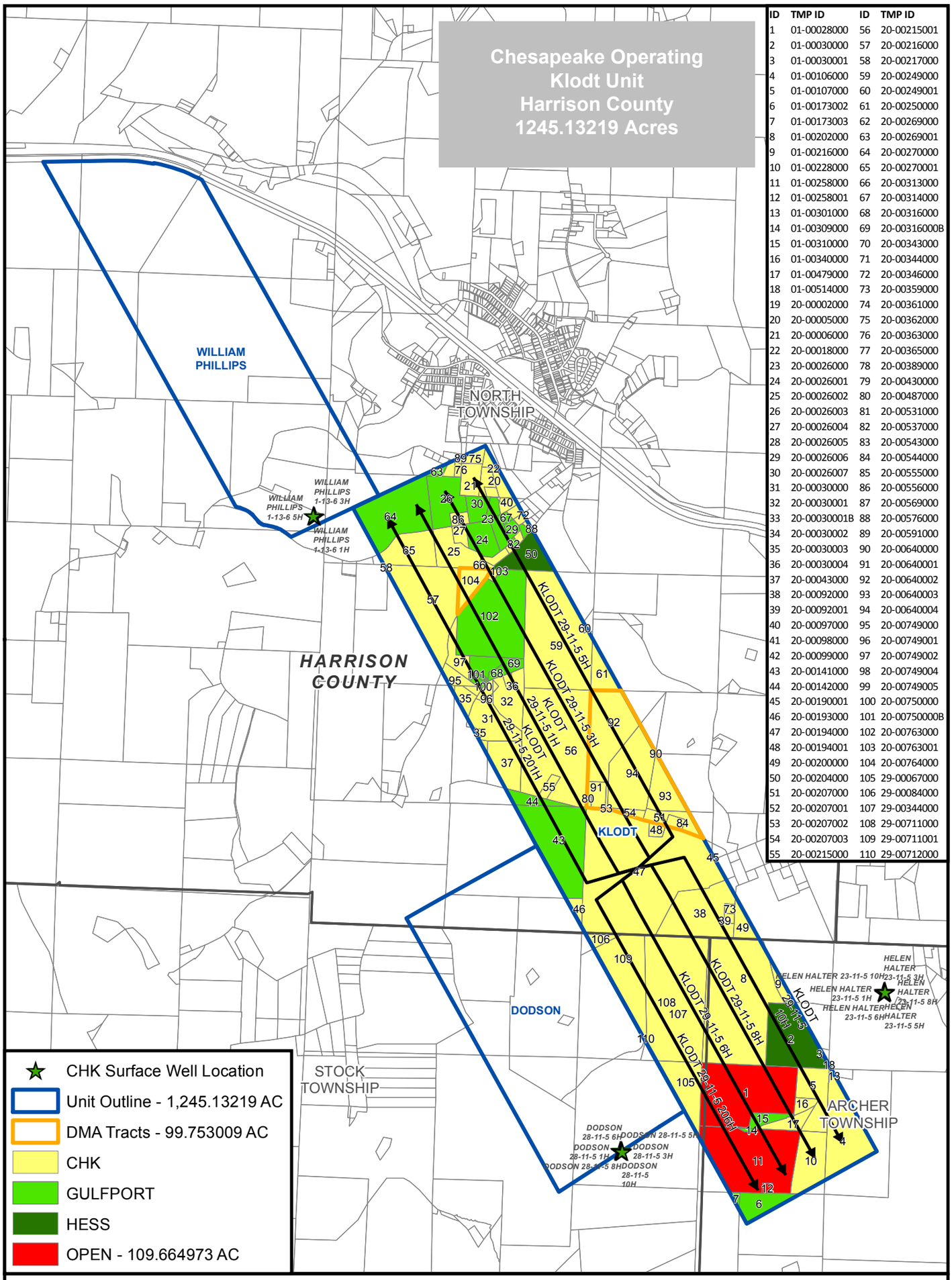
Exhibit 7 to
Klodt
Unitization Application



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55	20-00215000	110	29-00712000

UNIT PLAT

Klodt Common Pad
North, Stock, & Archer Townships
Harrison Co., OH

1 inch = 2,500 feet

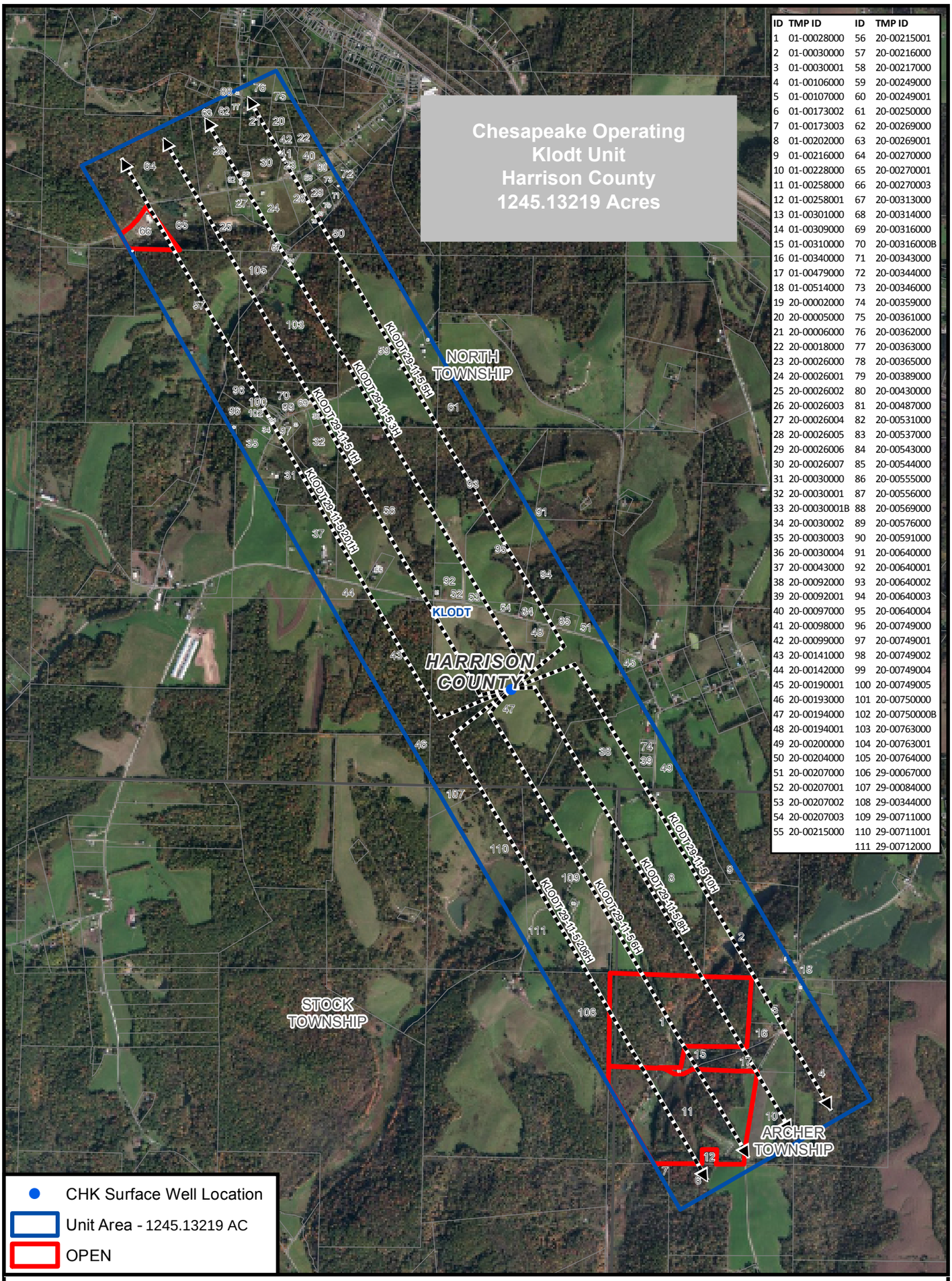
Chesapeake ENERGY

Projection: NAD 1983 UTM Zone 17N

Path: X:\GIS_Management\Northern_Division\Appalachia_South\Utica\Exhibits\K-O\Klodt_(HN-53)\Klodt Adjacent Wells.mxd

Prepared Date: 3/26/2014

Exhibit "RH-4"



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0 1,000 2,000 Feet

UNIT PLAT

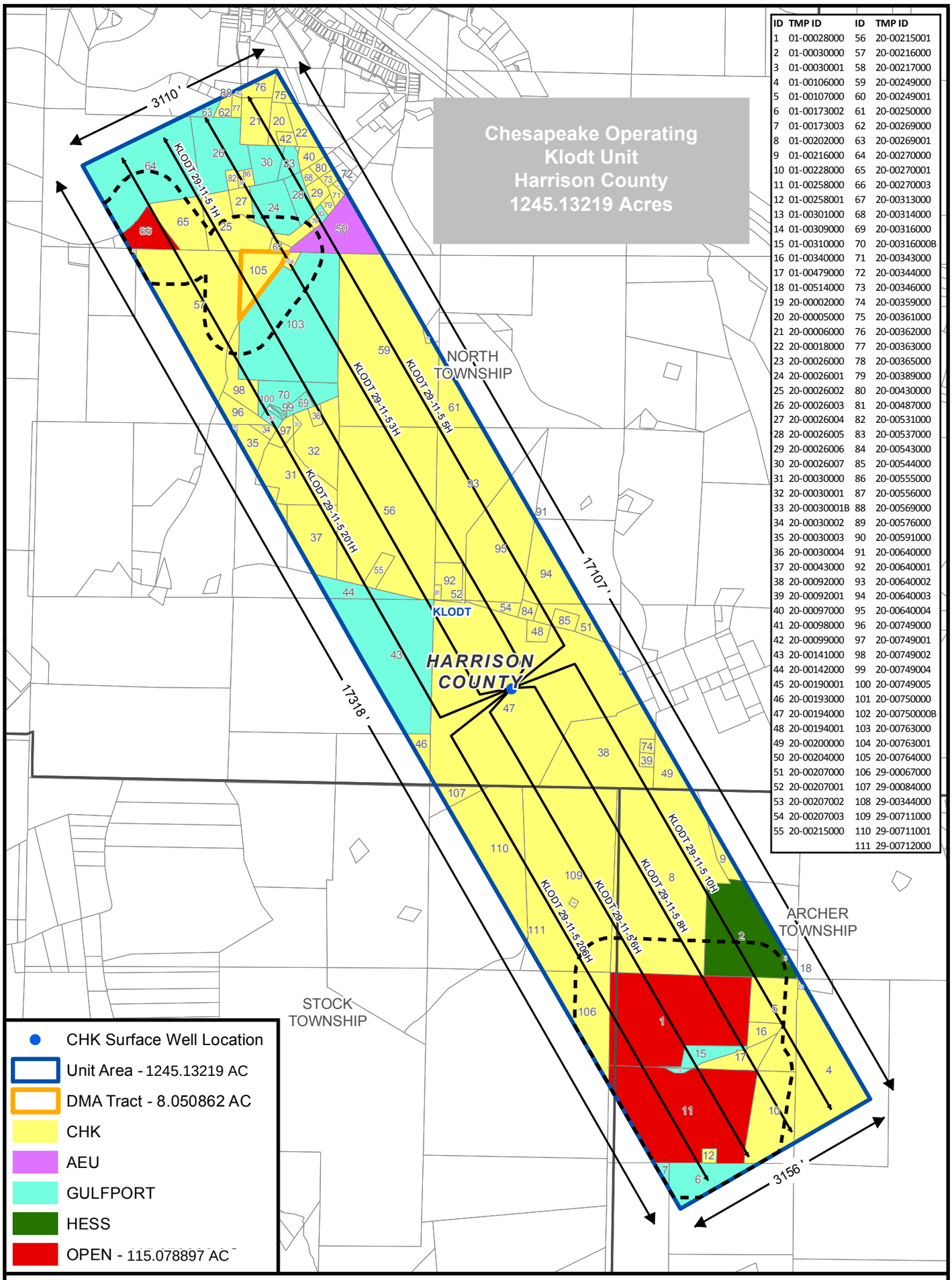
Klodt
North, Stock, & Archer Townships
Harrison Co., OH

1 inch = 1,700 feet

Projection: NAD 1983 StatePlane Ohio North FIPS 3401 Feet

Prepared Date: 5/19/2014

Exhibit "RH-2"



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UNIT PLAT

Klodt
North, Stock, & Archer Townships
Harrison Co., OH

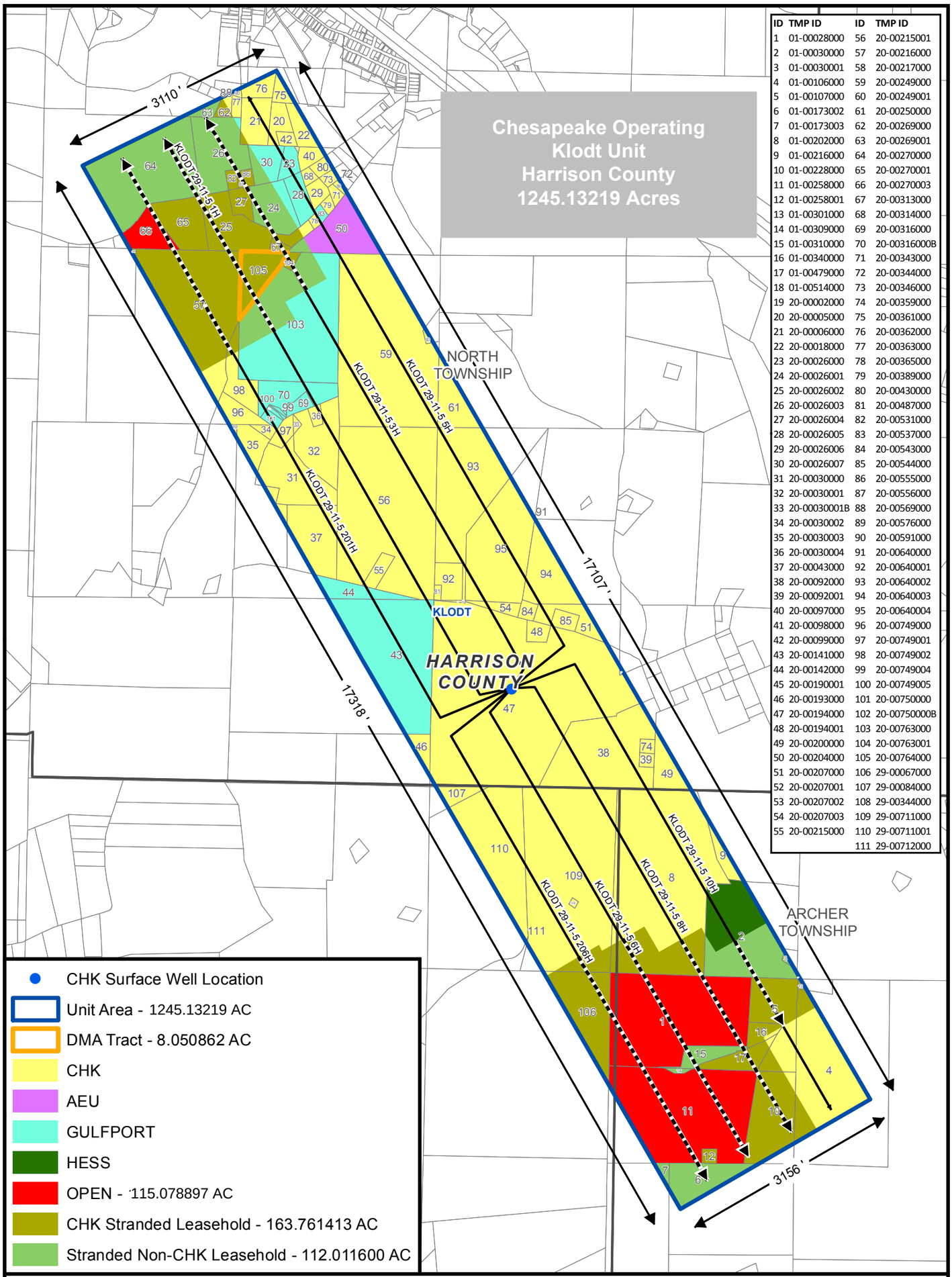
1 inch = 1,700 feet

Chesapeake ENERGY

Projection: NAD 1983 StatePlane Ohio North FIPS 3401 Feet
Path: X:\GIS_Management\Northern_Division\Appalachia_South\Utica\Exhibits\K-O\Klodt_(HN-53)\Klodt 3rd Party.mxd

Prepared Date: 5/19/2014

Exhibit "RH-3"



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0 1,000 2,000 Feet

Chesapeake ENERGY

UNIT PLAT

Klodt
North, Stock, & Archer Townships
Harrison Co., OH

1 inch = 1,700 feet

Projection: NAD 1983 StatePlane Ohio North FIPS 3401 Feet

Prepared Date: 5/19/2014