

Table 8. Estimate of in-place natural gas resources (GIP) in the Northwestern Ohio Shale Assessment Unit (See figure 28).

Data from: Kuuskraa and Wicks, 1984; Kuuskraa and others (1985); Lewin and Associates, Inc. 1983.

STATE	COUNTY	FIPS	Geological Setting*	Partitioned Areas*	Target GIP (Tcf/sqmi)	Target GIP (Bcf/sqmi)	Square miles / County	GIP/County (Bcf)	Approximate % County in AU	GIP (Bcf)	Well Spacing (acres)	Range - Cum Recovery / well for 40 years MMCF/Well	Radial Stimulation Recovery for 40 Years MMCF/well (r _w = 30')
Kentucky	Boyd	21019	I	IV	0.0052	5.20	160	832	0.50	416	80	305-592	411
Kentucky	Carter	21043	II	Medium	0.0040	4.02	407	1,636	0.80	1,309	160	186-521	291
Kentucky	Clay	21051	II	Medium	0.0040	4.02	471	1,893	0.40	757	160	186-521	291
Kentucky	Elliott	21063	II	Medium	0.0040	4.02	234	941	0.35	329	160	186-521	291
Kentucky	Greenup	21089	II	Medium	0.0040	4.02	347	1,395	1.00	1,395	160	186-521	291
Kentucky	Knox	21121	II	Medium	0.0040	4.02	388	1,560	0.60	936	160	186-521	291
Kentucky	Lee	21129	II	Medium	0.0040	4.02	211	848	0.70	594	160	186-521	291
Kentucky	Morgan	21175	II	Medium	0.0040	4.02	382	1,536	0.10	154	160	186-521	291
Kentucky	Owsley	21189	II	Medium	0.0040	4.02	198	796	0.50	398	160	186-521	291
Kentucky	Wolfe	21237	II	Medium	0.0040	4.02	223	896	0.30	269	160	186-521	291
Kentucky	Lewis	21135	II	Shallow	0.0040	4.02	484	1,946	1.00	1,946	160	134-177	177
Kentucky	Menifee	21165	II	Shallow	0.0040	4.02	203	816	1.00	816	160	134-177	177
Kentucky	Rowan	21205	II	Shallow	0.0040	4.02	282	1,134	1.00	1,134	160	134-177	177
Kentucky	Casey	21045	III		0.0027	2.67	445	1,188	1.00	1,188	160		
Kentucky	Clinton	21053	III		0.0027	2.67	196	523	1.00	523	160		
Kentucky	Estill	21065	III		0.0027	2.67	256	684	1.00	684	160		
Kentucky	Jackson	21109	III		0.0027	2.67	346	924	1.00	924	160		
Kentucky	Laurel	21125	III		0.0027	2.67	434	1,159	1.00	1,159	160		
Kentucky	Lincoln	21137	III		0.0027	2.67	337	900	0.60	540	160		
Kentucky	McCreary	21147	III		0.0027	2.67	427	1,140	1.00	1,140	160		
Kentucky	Powell	21197	III		0.0027	2.67	180	481	1.00	481	160		
Kentucky	Pulaski	21199	III		0.0027	2.67	660	1,762	1.00	1,762	160		
Kentucky	Rockcastle	21203	III		0.0027	2.67	318	849	1.00	849	160		
Kentucky	Russell	21207	III		0.0027	2.67	250	668	1.00	668	160		
Kentucky	Wayne	21231	III		0.0027	2.67	446	1,191	1.00	1,191	160		
Kentucky	Whitley	21235	III		0.0027	2.67	443	1,183	1.00	1,183	160		
Ohio	Gallia	39053		I	0.0076	7.55	471	3,556	1.00	3,556	160	386-1080	536
Ohio	Lawrence	39087		I	0.0076	7.55	457	3,451	1.00	3,451	160	386-1080	536
Ohio	Licking	39089		II	0.0035	3.47	686	2,380	1.00	2,380	160	206-434	284
Ohio	Muskingum	39119		II	0.0035	3.47	654	2,269	1.00	2,269	160	206-434	284
Ohio	Coshocton	39031		II	0.0035	3.47	566	1,964	1.00	1,964	160	206-434	284
Ohio	Knox	39083		II	0.0035	3.47	529	1,836	1.00	1,836	160	206-434	284
Ohio	Athens	39009		II	0.0035	3.47	508	1,763	1.00	1,763	160	206-434	284
Ohio	Fairfield	39045		II	0.0035	3.47	506	1,756	1.00	1,756	160	206-434	284
Ohio	Meigs	39105		II	0.0035	3.47	432	1,499	1.00	1,499	160	206-434	284
Ohio	Hocking	39073		II	0.0035	3.47	423	1,468	1.00	1,468	160	206-434	284
Ohio	Jackson	39079		II	0.0035	3.47	420	1,457	1.00	1,457	160	206-434	284
Ohio	Morgan	39115		II	0.0035	3.47	420	1,457	1.00	1,457	160	206-434	284
Ohio	Vinton	39163		II	0.0035	3.47	414	1,437	1.00	1,437	160	206-434	284
Ohio	Perry	39127		II	0.0035	3.47	412	1,430	1.00	1,430	160	206-434	284
Ohio	Tuscarawas	39157		III	0.0015	1.53	570	872	1.00	872	160	127-265	172
Ohio	Columbiana	39029		III	0.0015	1.53	534	817	1.00	817	160	127-265	172
Ohio	Guernsey	39059		III	0.0015	1.53	522	799	0.95	759	160	127-265	172
Ohio	Carroll	39019		III	0.0015	1.53	393	601	1.00	601	160	127-265	172
Ohio	Noble	39121		III	0.0015	1.53	399	610	0.75	458	160	127-265	172
Ohio	Harrison	39067		III	0.0015	1.53	400	612	0.65	398	160	127-265	172
Ohio	Washington	39167		III	0.0015	1.53	640	979	0.40	392	160	127-265	172
Ohio	Jefferson	39081		III	0.0015	1.53	410	627	0.10	63	160	127-265	172
Ohio	Stark	39151		IV	0.0094	9.39	574	5,390	1.00	5,390	160	79-320	128

Ohio	Wayne	39169		IV	0.0094	9.39	557	5,230	1.00	5,230	160	79-320	128
Ohio	Richland	39139		IV	0.0094	9.39	497	4,667	1.00	4,667	160	79-320	128
Ohio	Lorain	39093		IV	0.0094	9.39	495	4,648	1.00	4,648	160	79-320	128
Ohio	Portage	39133		IV	0.0094	9.39	493	4,629	1.00	4,629	160	79-320	128
Ohio	Cuyahoga	39035		IV	0.0094	9.39	459	4,310	1.00	4,310	160	79-320	128
Ohio	Ashland	39005		IV	0.0094	9.39	424	3,981	1.00	3,981	160	79-320	128
Ohio	Holmes	39075		IV	0.0094	9.39	424	3,981	1.00	3,981	160	79-320	128
Ohio	Medina	39103		IV	0.0094	9.39	422	3,963	1.00	3,963	160	79-320	128
Ohio	Mahoning	39099		IV	0.0094	9.39	417	3,916	1.00	3,916	160	79-320	128
Ohio	Summit	39153		IV	0.0094	9.39	412	3,869	1.00	3,869	160	79-320	128
Ohio	Huron	39077		V	0.0013	1.28	494	632	1.00	632	160	39-50	47
Ohio	Erie	39043		V	0.0013	1.28	264	338	0.75	253	160	39-50	47
Ohio	Ashtabula	39007		VI	0.0032	3.19	703	2,243	1.00	2,243	160	10-47	18
Ohio	Trumbull	39155		VI	0.0032	3.19	612	1,952	1.00	1,952	160	10-47	18
Ohio	Geauga	39055		VI	0.0032	3.19	408	1,302	1.00	1,302	160	10-47	18
Ohio	Lake	39085		VI	0.0032	3.19	231	737	1.00	737	160	10-47	18
West Virginia	Jackson	54035	I	IV	0.0035	3.53	464	1,638	0.10	164	80	314-366	345
West Virginia	Mason	54053	I	IV	0.0035	3.53	433	1,528	0.40	611	80	314-366	345
West Virginia	Cabell	54011	I	I	0.0037	3.70	282	1,043	0.15	157	80	309-324	321
West Virginia	Wood	54107	I	VI	0.0040	3.96	367	1,453	0.15	218	80	218-355	281
TOTAL NWOS AU											111,677		
*Value does not include all of AU													