

SIDEWALL SAMPLES  
REICHHOLD ENERGY CORPORATION  
WELL: COLUMBIA COUNTY NO. 1  
DESCRIBED BY W. G. BRUER

DEPTH	REC.	DESCRIPTION
3,056'		Missfire
3,024'		Missfire
3,011'	1"	Sand, light gray. Easily friable. Generally fine to very fine grained. Well sorted. Fairly clean.
2,989'	1"	Sand, light gray. Same as at 3,011'.
2,975'	3/4"	Sand, light gray. Generally very fine grained. Well sorted but some interstitial white clay. Easily friable.
2,950'		Missfire.
2,943'	1-1/2"	Sand, dull light gray. Very fine, silty. Easily friable. Fairly well sorted.
2,914'	1-1/4"	Laminated sand and black lignitic clay. Sand is white to light gray. Very fine. Considerable interstitial white clay. Lignitic clay locally replaced by pyrite
2,899'	1"	Sand, light gray. Very fine to fine. Some interstitial clay. Scattered small particles of lignite, locally replaced by pyrite.
2,877'		Missfire.
2,864'		Missfire.
2,853'	1"	Sandy tuff, dull light bluish, purplish gray. Mostly altered to bentonite. Abundant fine and very fine sand grains in tuff matrix. Moderately easily crumbled. Looks tight.
2,802'	3/4"	Sand, light gray. Mostly fine to scarcely medium. Some very fine. Looks fairly clean. Easily friable.
2,794'	3/4"	Sand, as at 2,802' but some interstitial fines. One laminae of lignitic material.
2,759'	1-1/4"	Sand, light gray. Very fine to scarcely medium. Minor interstitial fines. Easily friable. Occasional white and brown Mica.

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DEPTH	REC.	DESCRIPTION
2,688'	1-1/4"	Sand, dull light gray. Very fine and fine. Some interstitial fines. Easily friable. Includes two 1/8" thick medium brownish gray, soft silty claystone interbeds.
2,675'	2" (2)	Sand, light gray. Similar to 2,688'. Includes one 1/8" thick streak and two laminae of medium brownish gray soft silty claystone.
2,663'	1-1/4"	Sand, dull light gray. Very fine. Well sorted. Slightly silty. Easily friable. Grades vertically to similar sand interbedded with laminae and streaks to 1/16" of dark gray to black silty claystone.
2,643'	1-1/4"	Sand, dull light gray. Very fine. Well sorted. Easily friable. Slightly silty.
2,609'	1-1/4"	Sand, dull light gray. Very fine to fine. Somewhat silty. Easily friable. Includes several laminae of medium brownish gray silty claystone.
2,602'	1"	Sand, light gray. Very fine to fine. Easily friable. Well sorted but slightly silty.
2,599'	1"	Sand, dull light gray. Very fine and silty. Easily friable. Number of thin dark gray bands with considerable dark clay matrix.
2,573'	1"	Sand, light gray. Very fine to scarcely medium. Well sorted. Fairly clean. Easily friable.
2,563'	1"	Sand as at 2,573'.
2,531'	1-1/2"	Interbedded sand and thin streaks of black clayey lignite partially replaced by pyrite. Sand dull light gray. Very fine to medium but with some silt and clay matrix. Easily friable.
2,520'	1-1/2"	Sand, light gray. Very fine to scarcely medium. Well sorted. Easily friable.

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DEPTH	REC.	DESCRIPTION
2,511'	1-1/2"	Sand, light gray. Very fine to fine. Considerable clay and silt matrix. Easily friable.
2,508'	2"	Siltstone, very dark gray. Firm but easily crumbled. Numerous laminae of very fine, silty, light gray sand. Tight.
2,459'	1-1/2"	Sand, dull light gray. Very fine. Slightly silty but well sorted. Easily friable.
2,456'	1"	Sand as at 2,459' but less silty. Well sorted.
2,450'	1"	Sand, light gray. Very fine to fine. Well sorted. Slightly silty. Easily friable.
2,449'	3/4"	Sand, light gray as at 2,450'.
2,448'	1-1/4"	Interbedded sand and black sandy siltstone. Sand is dull light gray. Very fine to fine, silty. Easily friable.
2,447'	1-1/2"	Interbedded sand and siltstone as at 2,448'.
2,446'	1"	Sand, light gray. Very fine to fine. Well sorted. Slightly silty. Easily friable
2,445'	1-1/2"	Interbedded sand and black carbonaceous clay, locally replaced with pyrite and one 1/4" thick band of light medium gray bentonitic claystone. Sand is dull light gray. Very fine to fine, silty. Easily crumbled.
2,444'	1-1/2"	Sand, dull light gray. Very fine to fine, silty. Slightly clayey. Easily friable. 1/8" streak and several laminae of light medium gray, sandy claystone. Probably low perm.
2,443'	2" (2)	Sand, light gray. Very fine to fine. Slightly silty. Well sorted. Easily friable.
2,442'	1"	Sand, light gray as at 2,443', but slightly more silty.
2,441'	1-1/4"	Sand, as at 2,442' but includes 1/8" thick light medium gray, silty, claystone streak.

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DEPTH	REC.	DESCRIPTION
2,440'	1"	Sand, light gray. Very fine to fine. Slightly silty. Well sorted. Easily friable.
2,439'	1-1/2"	Siltstone, medium gray. Firm but easily crumbled. Scattered very fine sand grains. Tight.
2,438'	1-3/4"	Siltstone, as at 2,439'. Half of sample contains mottlings of dull light to medium gray, finely sandy siltstone. Tight.
2,305'	1-3/4"	Sand, dull light gray. Very fine. Borders on silt. Some silt and minor clay. Firm, easily friable. Possible low perm.
2,301'	2" (2)	Sand, dull light gray. Very fine to silt size. Some interstitial clay. Firm but easily friable.

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