

## OREGON NATURAL GAS DEVELOPMENT CORPORATION

"DeShazer" 13-22 22-55/2W

Schlumberger Sidewall Cores

W. Bruer

<u>Depth</u>	<u>Rec</u>	<u>Description</u>
2188	1-1/4"	Sandy sltstn; med. gray; firm; finely sandy and clayey throughout; common black mnl; no odor, no stain, no fluor; impermeable.
2190	1-1/2"	Sltstn; dark med. gray; common very fine sand; gray clay; common black mnl; very firm; no odor, no stain, impermeable.
2192	Misfire	
2194	1-1/4"	Clayey ss; dark-med. gray; fine to coarse sand grains; abd. interstitial med. gray clay; sand grains ang-rnd; gen. clear and white qtz. and feld; occ. rnd. dark gray chert; occ lt. gray green lithic frag; no odor, stain or fluor; prob. very low perm. to imperm.; difficultly friable; not limey.
2196	1-1/4"	Clayey ss as last described.
2198	1-1/2"	Sltstn; med. gray; very firm; scattered very fine sand; very clayey; impermeable; includes paper thin lamina of dull lt. gray clayey, slty ss; not limey, no odor or stain.
2200	Misfire	
2202	1-1/4"	Claystn; med. gray; firm-very firm; slightly slty; impermeable; no odor, stain, fluor.
2204	3/4"	clay; dull, lt.-med. gray; soft, plastic; includes scattered fine to coarse sand grains; one frag. dark gray hd. slty claystn; appears to be mostly bentonitic; impermeable.
2206	1"	Mottled, clay-sand and clay stn; sand dirty; lt. to med. gray; mod. friable; very fine to very coarse, include occ. rnd cherty granules; very poorly sorted; minor decomposed fossil shell frag; silty and clayey throughout; claystone; mottles dark gray firm; also includes 1/4" irreg. lignitic frag. in the sand; very low perm.; no odor, stan, fluor.

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"DeShazer" 13-22 22-55/2W

<u>Depth</u>	<u>Rec</u>	<u>Description</u>
2208	1-3/4"	Sandy sltstn; dirty med. gray; very finely sandy throughout; irreg. laminations appar. along bedding; dark carb. laminae; clayey throughout; occ. decomposed macro fossil frag.; very low perm. to imperm; no odor, stain, fluor.
2210	1/2"	Sand; lt. tannish gray; gen. med. grained to scat. coarse grain; rnd-sub rnd; qtz. and dr. chert predom.; matrix kaolinitic; easily to mod. friable; no odor, stain, fluor; probably low perm.
2212	1-1/4"	Sand; med. to lt. gray; gen. fine; ranges from very fine to scarcely med.; fairly well sorted; scattered mica; common black grains; somewhat slty; easily friable; fair-possibly good perm; no odor, stain, fluor.
2214	1-1/4"	Sand ; med. to lt. gray as last described, no odor, stain, floor.
2216	1-1/4"	Sand as last described.
2218	1-1/4"	Sand as last described, but somewhat cleaner; probably good perm.
2220	1-1/4"	Sand as last above; one small frag. decomposed macro fossil.
2222	1-1/4"	Sand as last above; except gen. finer grained, somewhat siltier; probably fair perm.
2224	1-1/2"	Sand as last above.
2226	1-3/4"	Sand; lt. med. gray; gen. very fine; some fine; easily friable; somewhat silty and slightly clayey; common fine mica; common to abund. black grains; probably low to mod. perm.
2259	1/2"	Clayey sand; lt. gray; fine to med.; lt. gray clay matrix; soft; probably low perm. no odor, stain, fluor.

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<u>Depth</u>	<u>Rec</u>	<u>Description</u>
2263	1-1/4"	Sand; dull lt. gray; very fine to fine; easily friable; common grains; scattered fine mica; well sorted; clean; probably very good perm.; no odor, stain, fluor.
2266	1/2"	Sand; lt. gray; very easily friable to soft; slightly clayey, otherwise similar to last above; probably fair perm.
2270	3/4"	Sand; lt. gray; very easily friable to unconsolidated; very fine to fine; common black grains; scattered fine mica; very well sorted; clean; very good permeability, no odor, stain, fluor.
2273	3/4"	Same as last described
2276	1"	Sand; dull lt. gray; very fine to fine; easily friable; well sorted but somewhat slty; slightly clayey; no odor, stain, fluor; fair to good perm.
2280	frag.	Sand; lt. gray; very easily friable to unconsolidated; very fine to scarcely coarse; fair to poor sorting; somewhat silty and clayey; common black grains, some of which may be finely dissem. carb. material; probably low to fair perm.
2311	1-1/4"	Sand; dull lt. gray; very fine to fine; easily friable; silty; slightly clayey; common black mnl grains; scattered fine mica; probably low to med. perm.; no odor, stain, fluor.
2315	1"	As last above, appears slightly cleaner.
2319	1-1/4"	Slty sand; med. to lt. gray; very fine; very slty; common blk mnl grains; scat. fine mica; easily friable; includes minor mottles of slty gray claystn; probably low perm.; no odor, stain, fluor.

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