HALLIBURTON

Sperry Drilling

Cuttings Report

Shell Offshore Inc. OCS Y-2321 #001 Burger J Posey Block 6912 API No. 55-352-00004-00

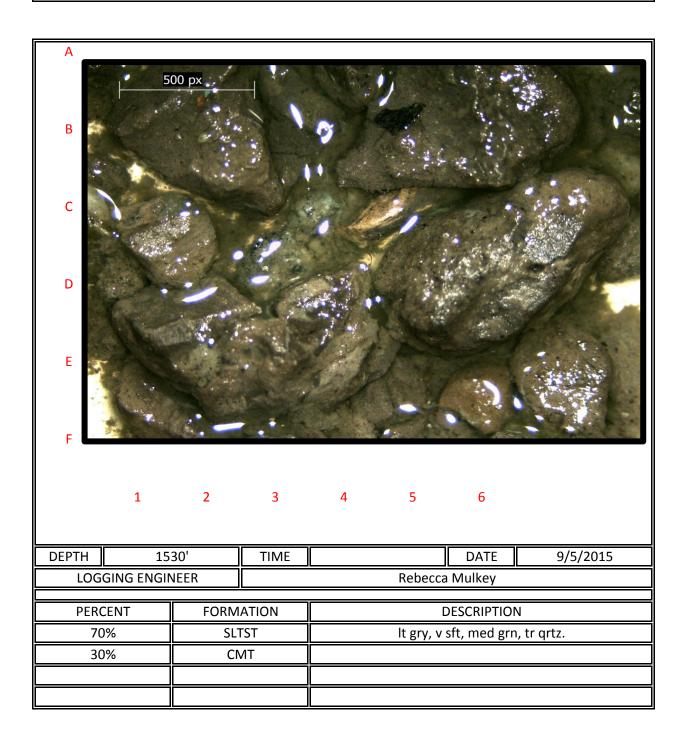
RIG: Polar Pioneer

SDL Personnel:

Craig Amos— Unit Manager Rebecca Mulkey, Ryan Lynburg— Logging Specialists

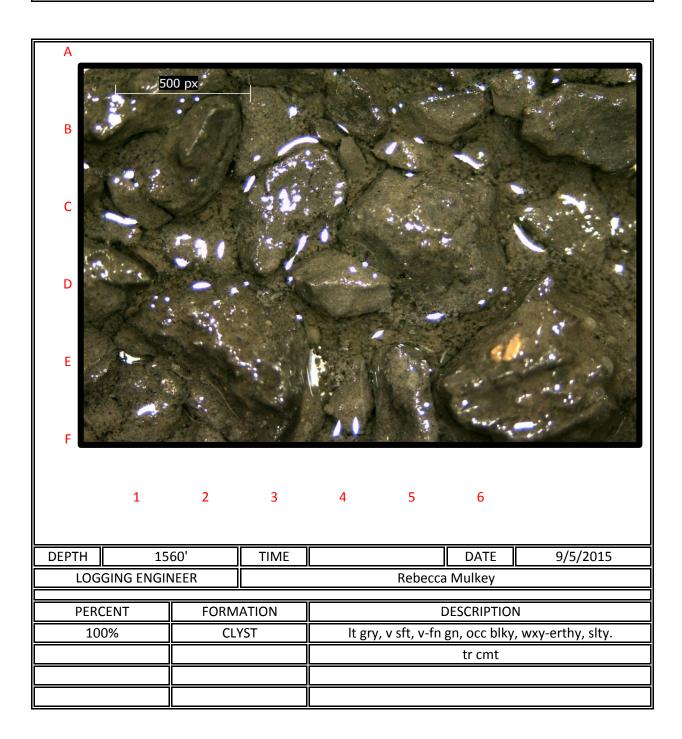


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



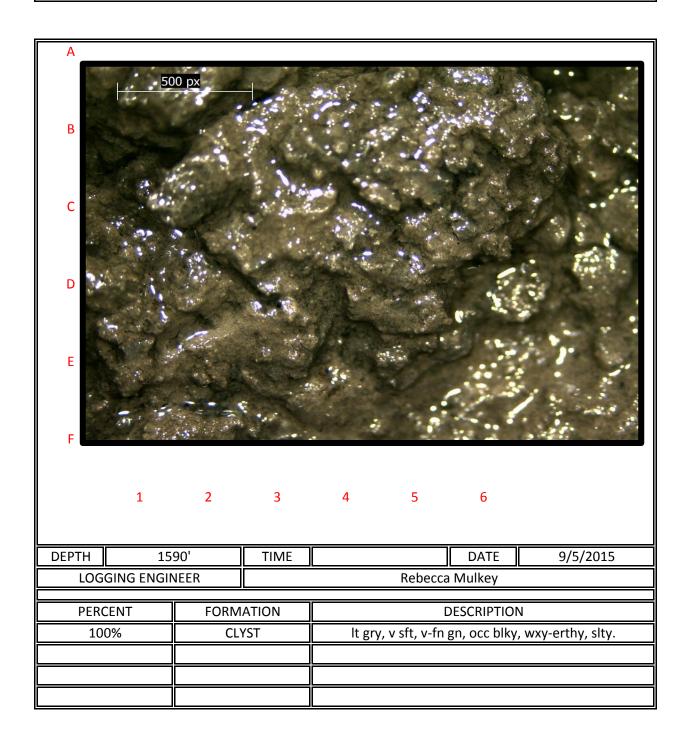


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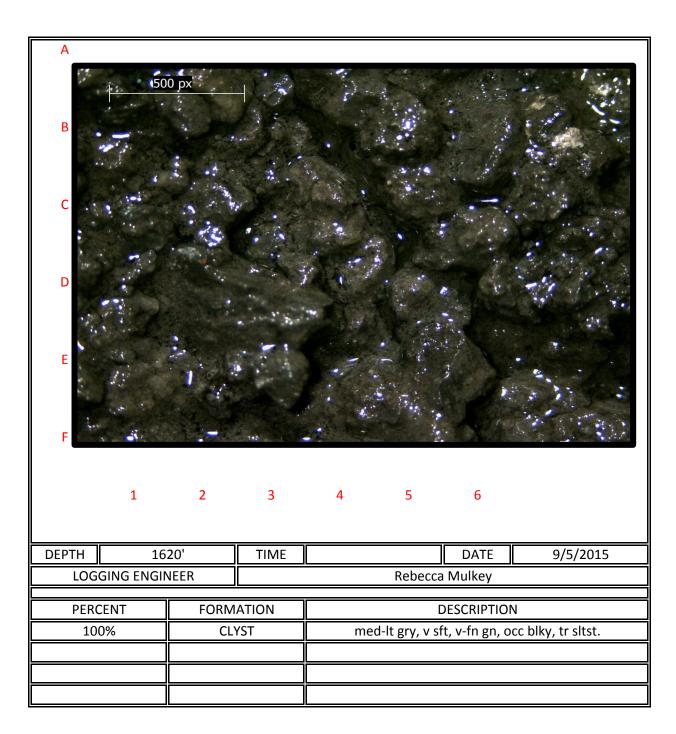


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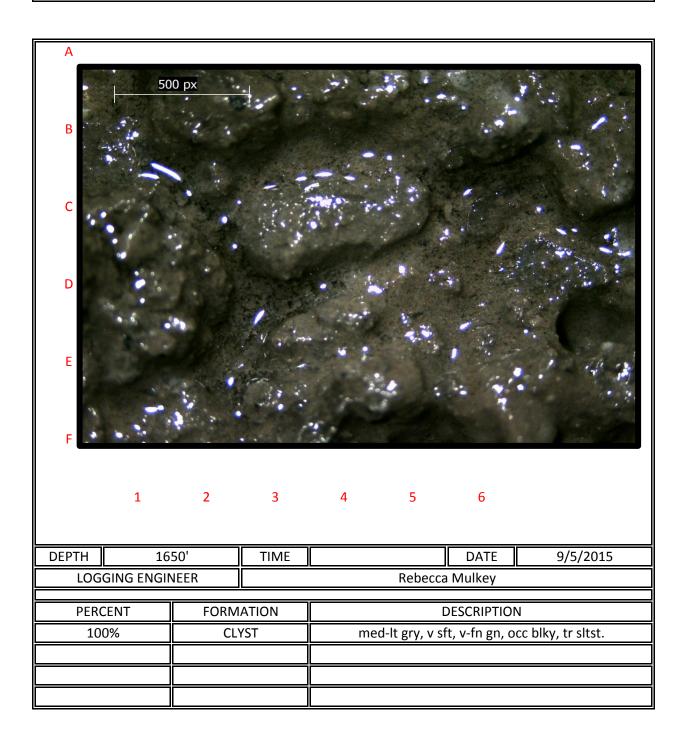


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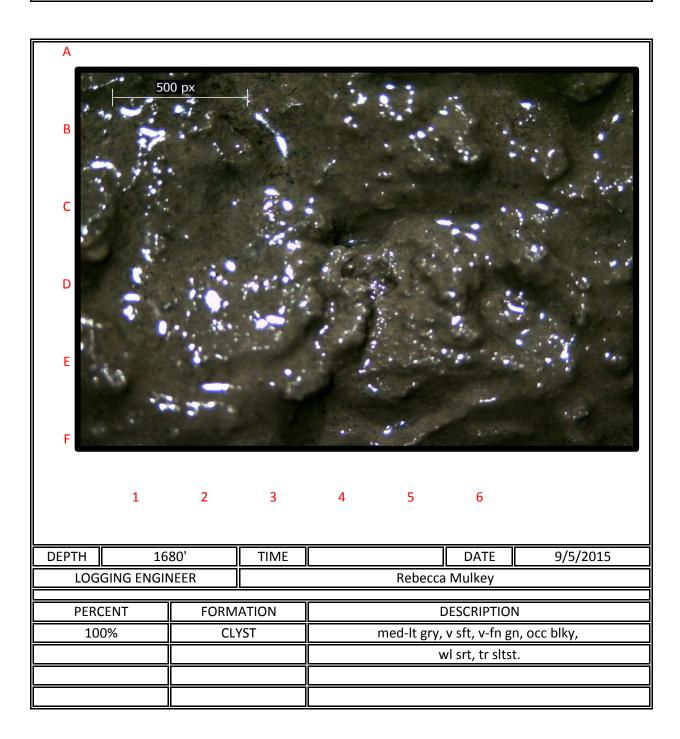


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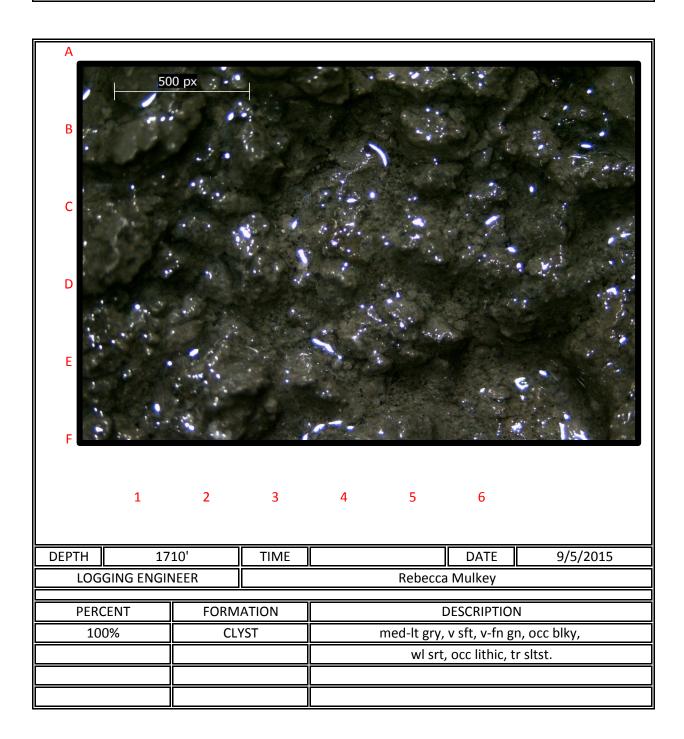


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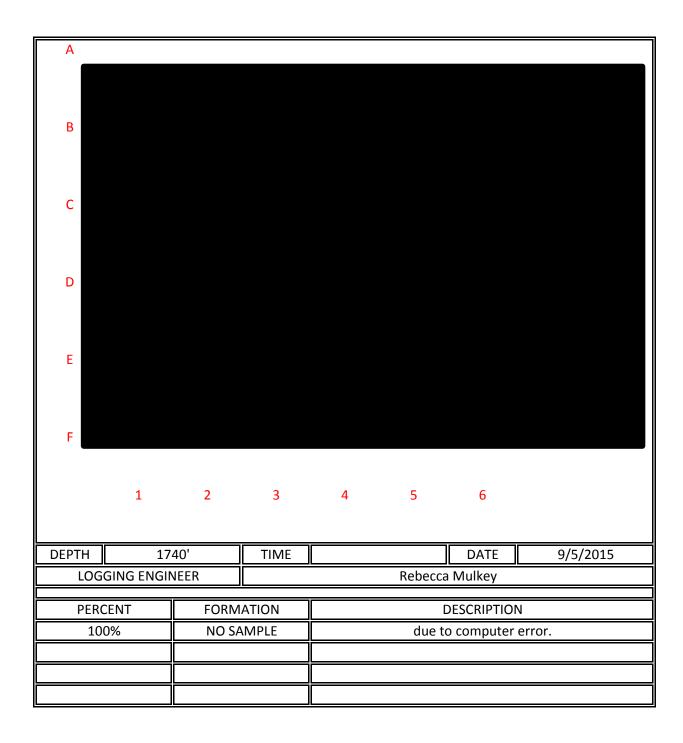


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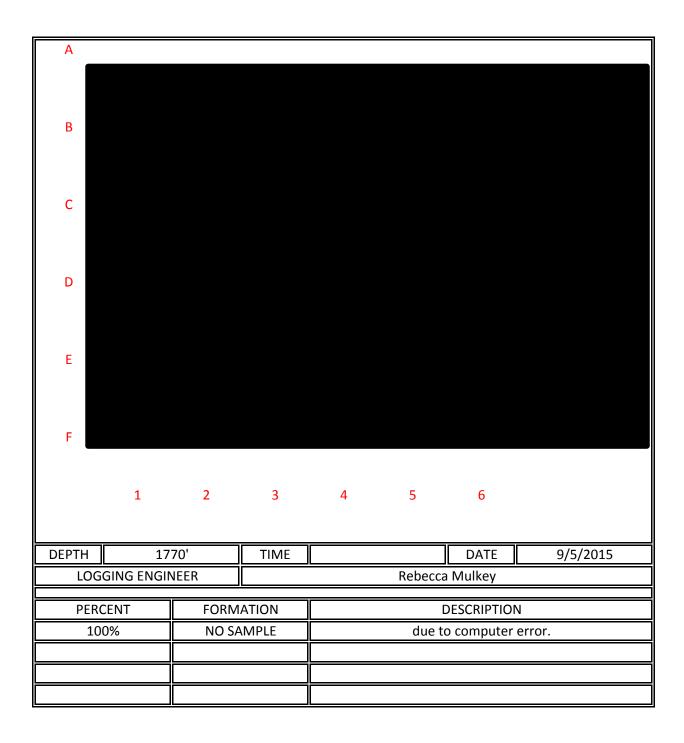


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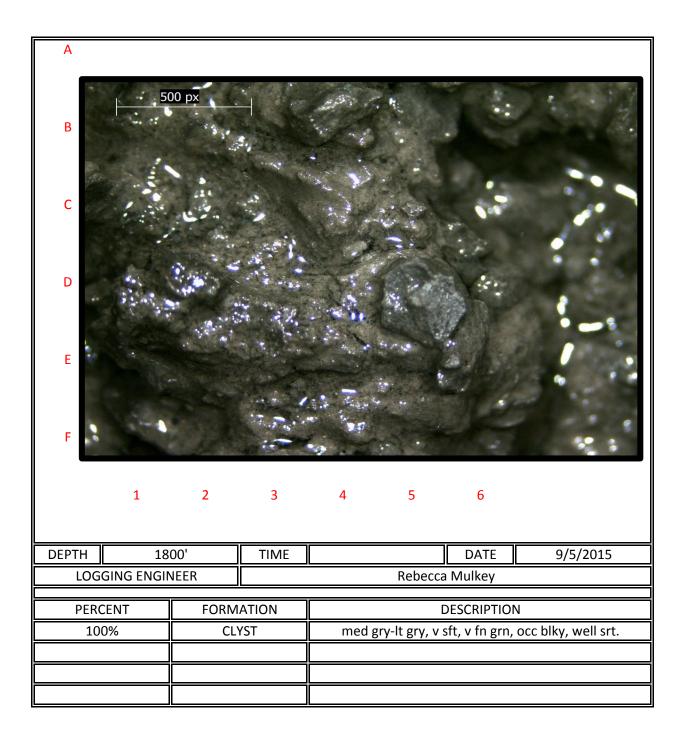


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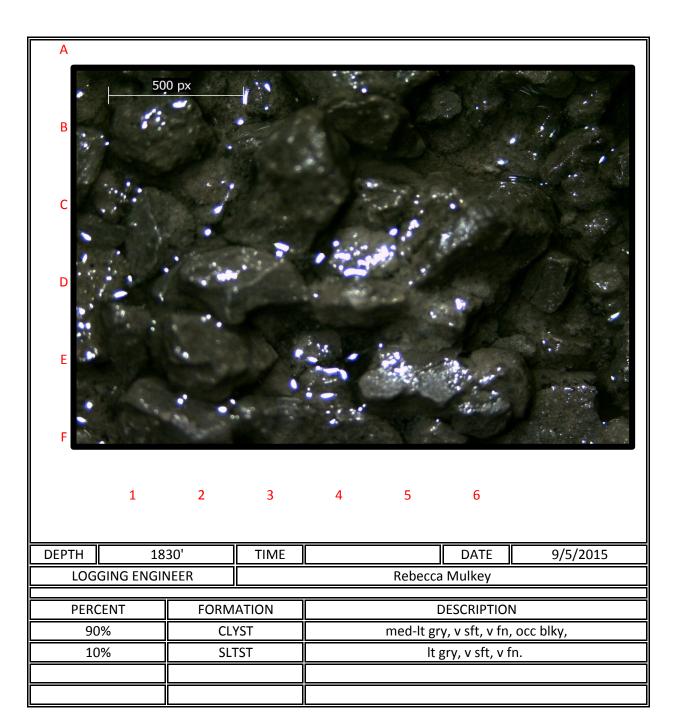


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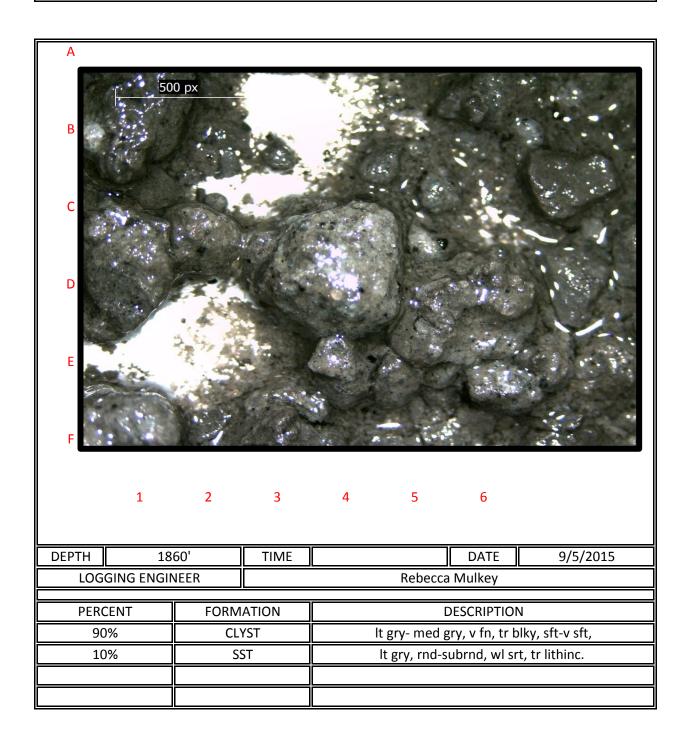


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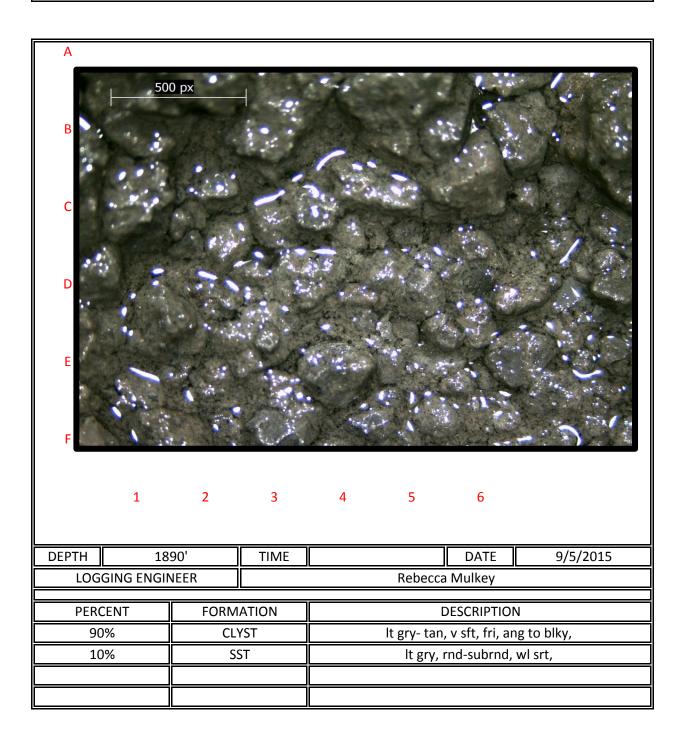


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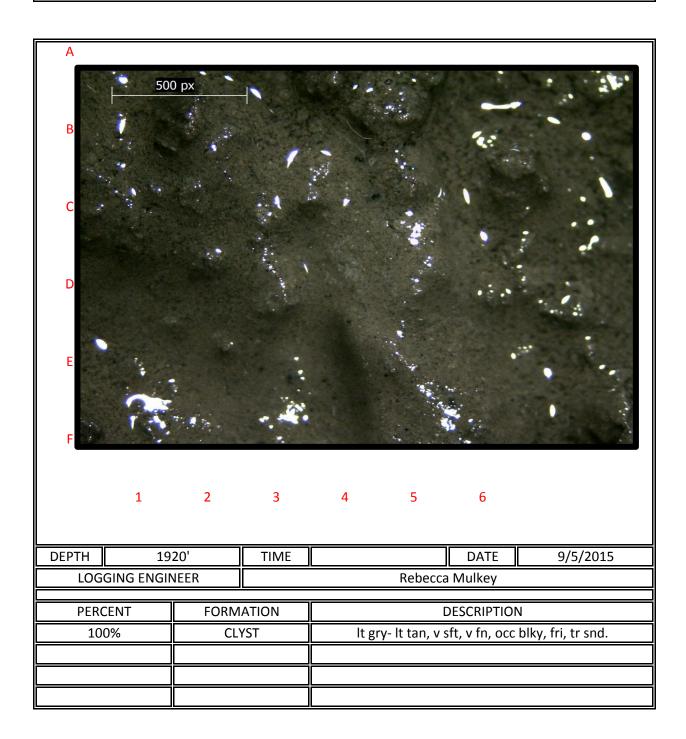


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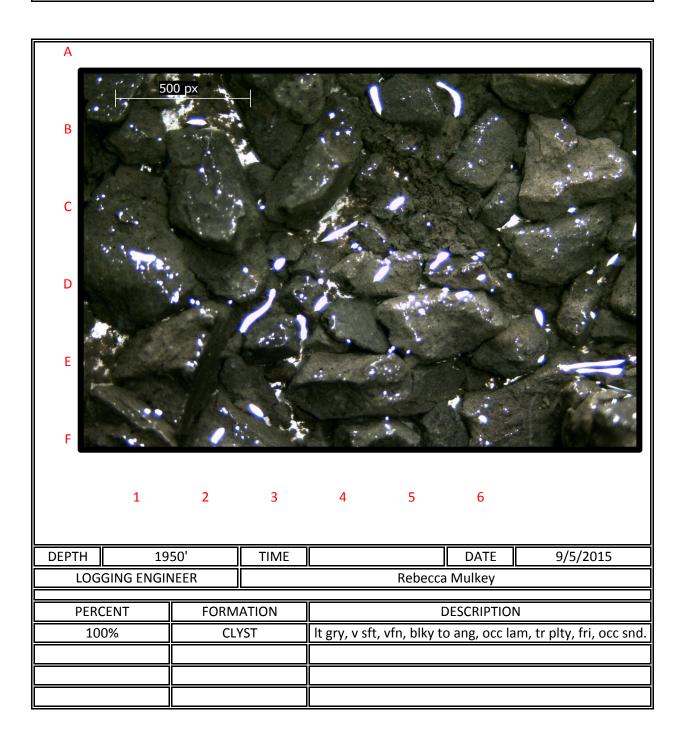


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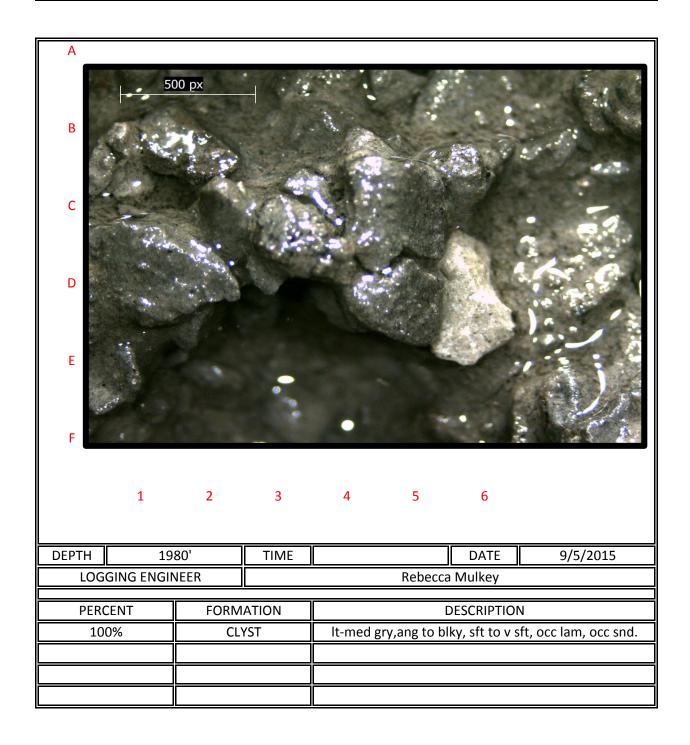


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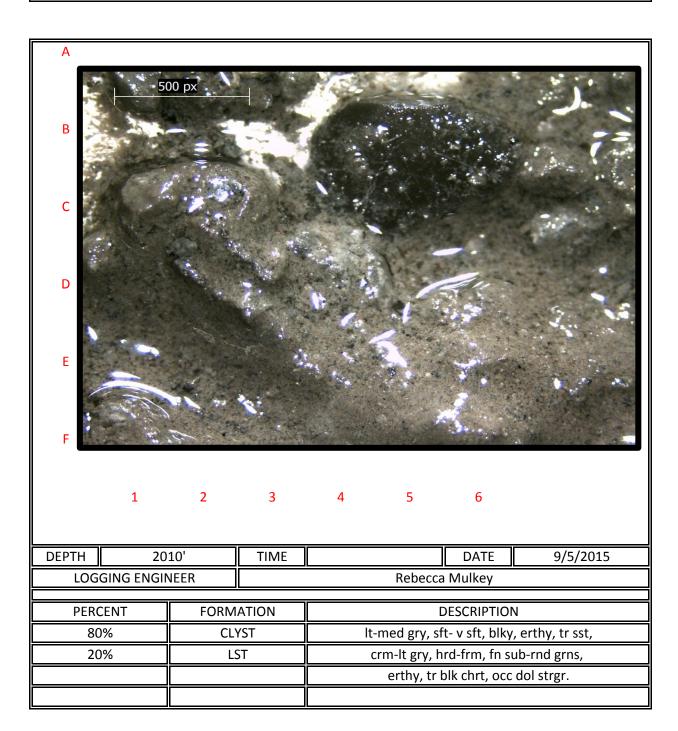


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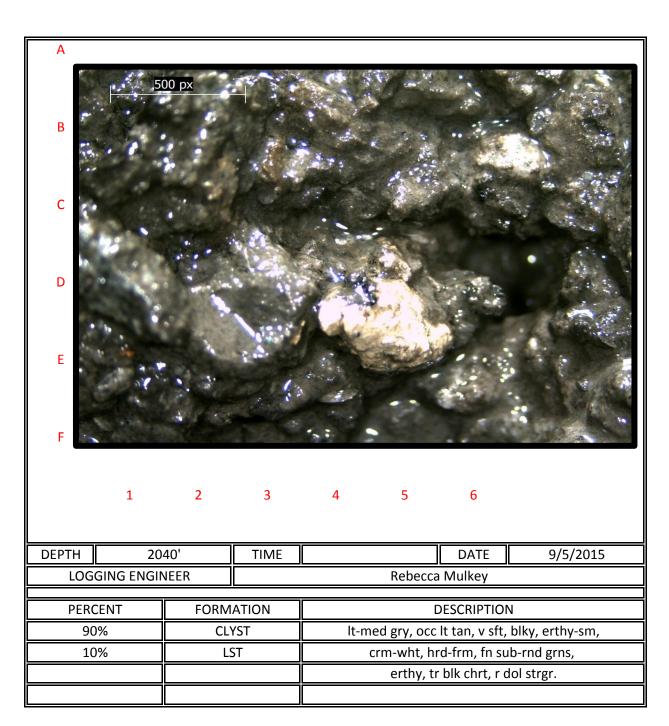


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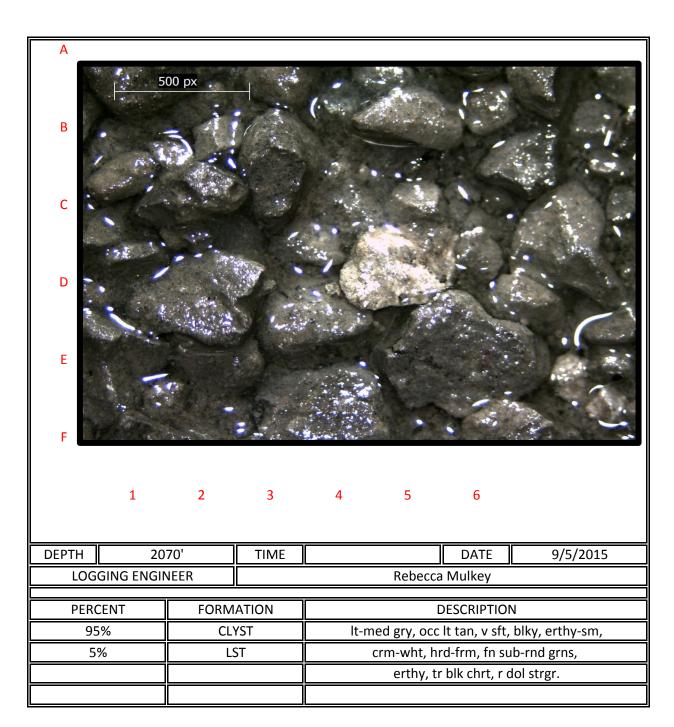


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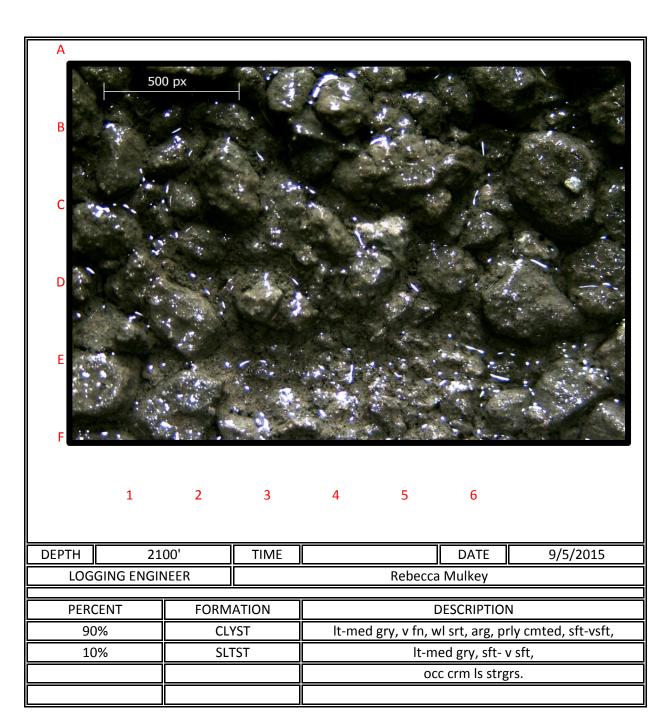


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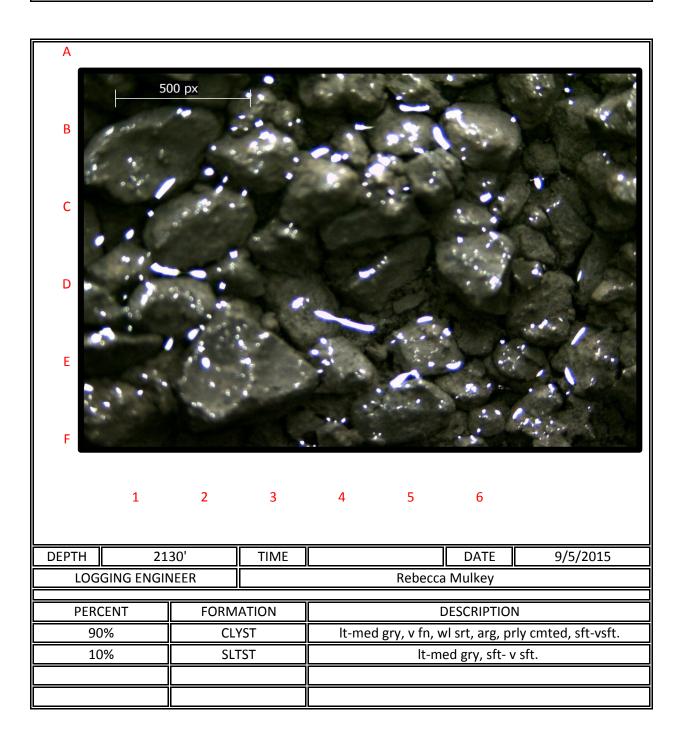


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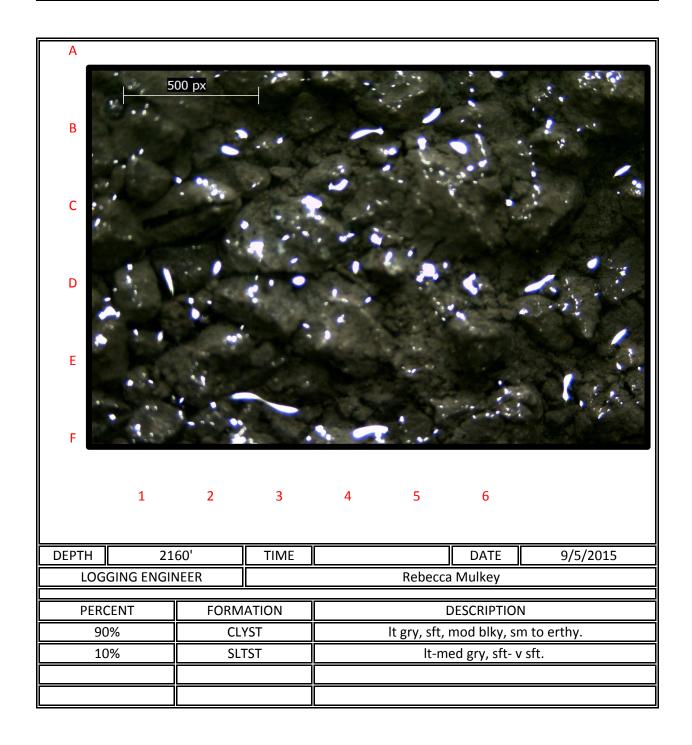


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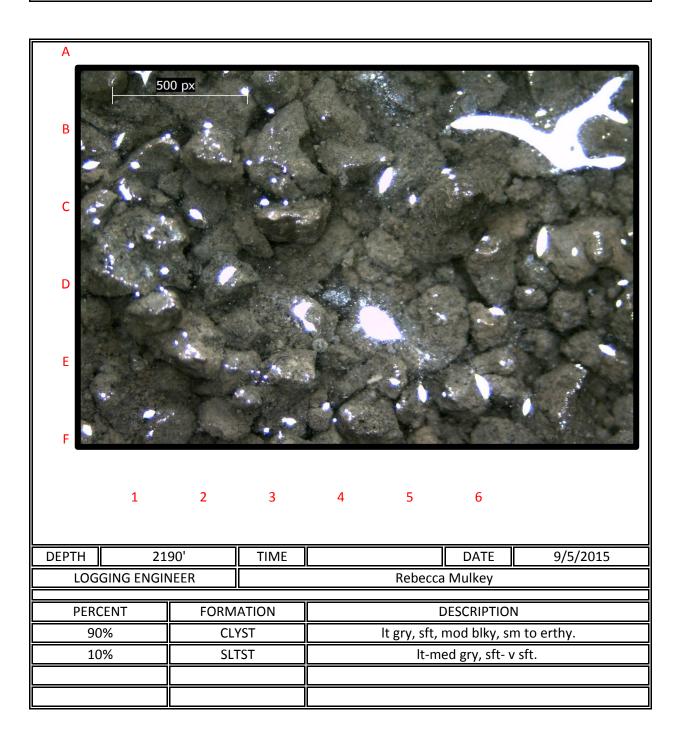


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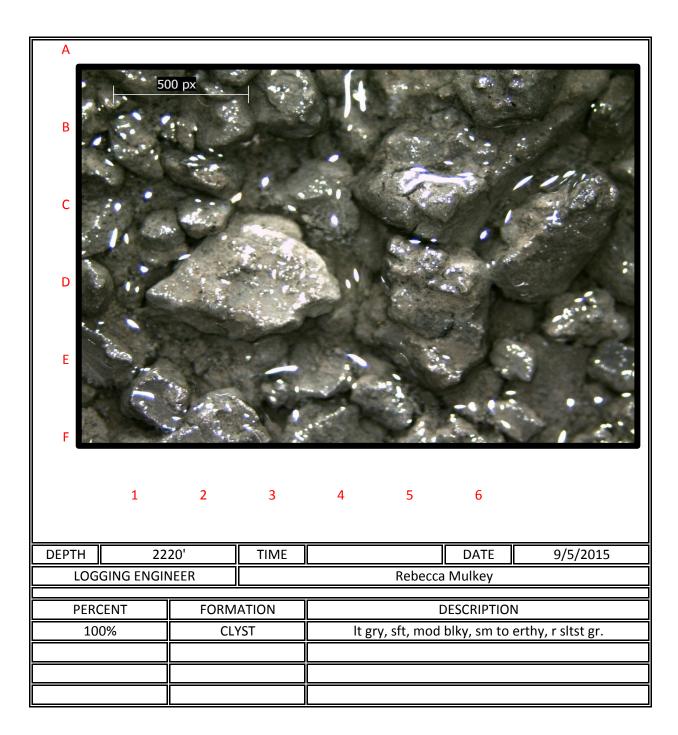


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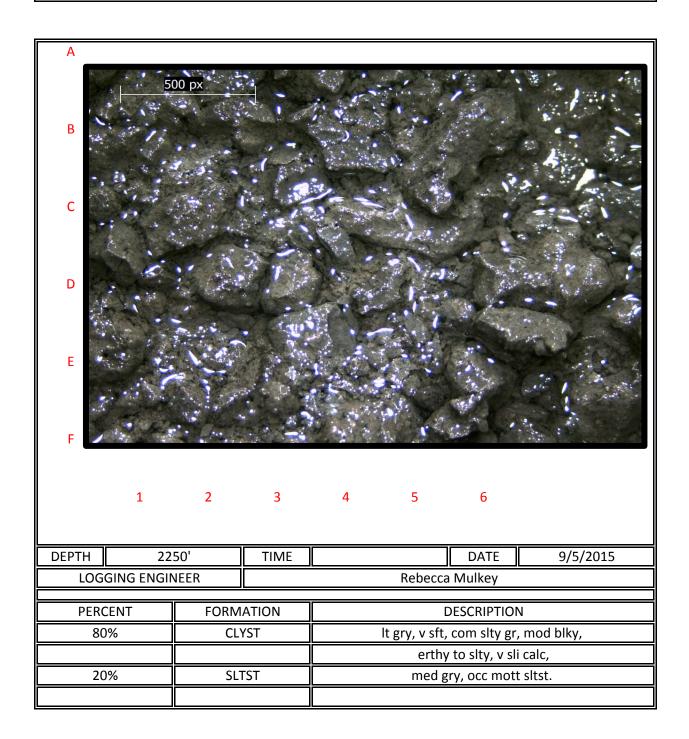


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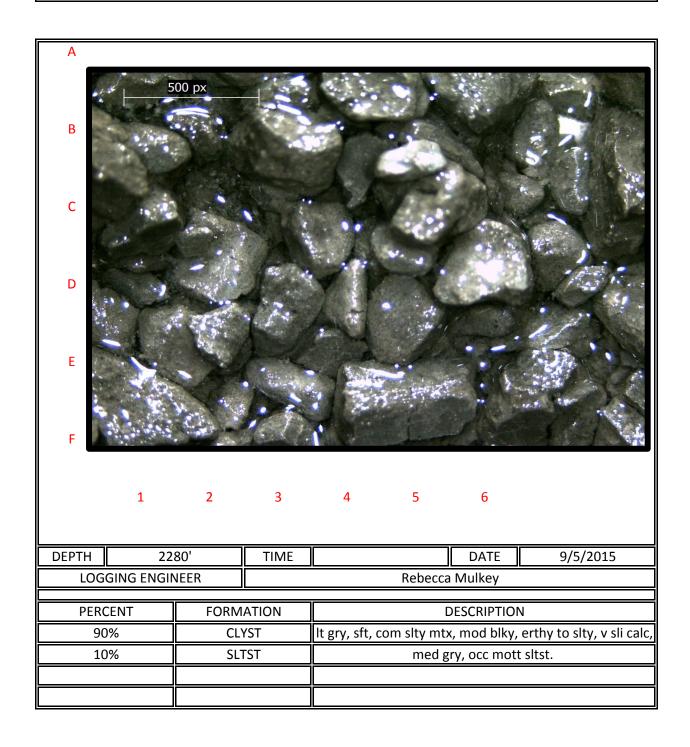


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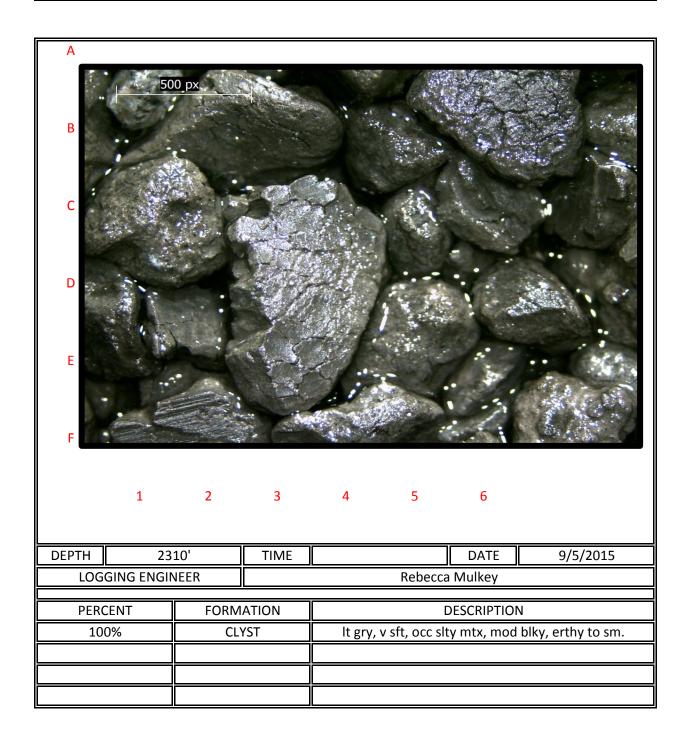


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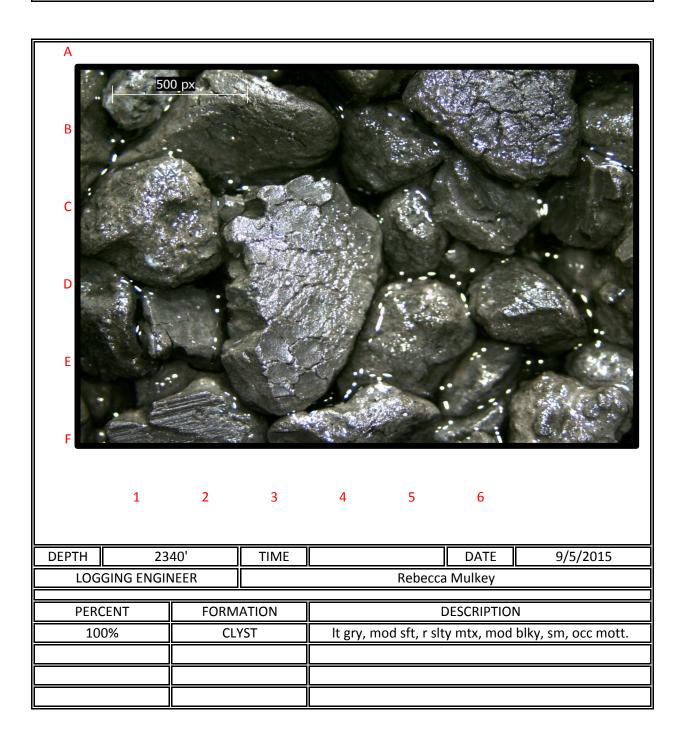


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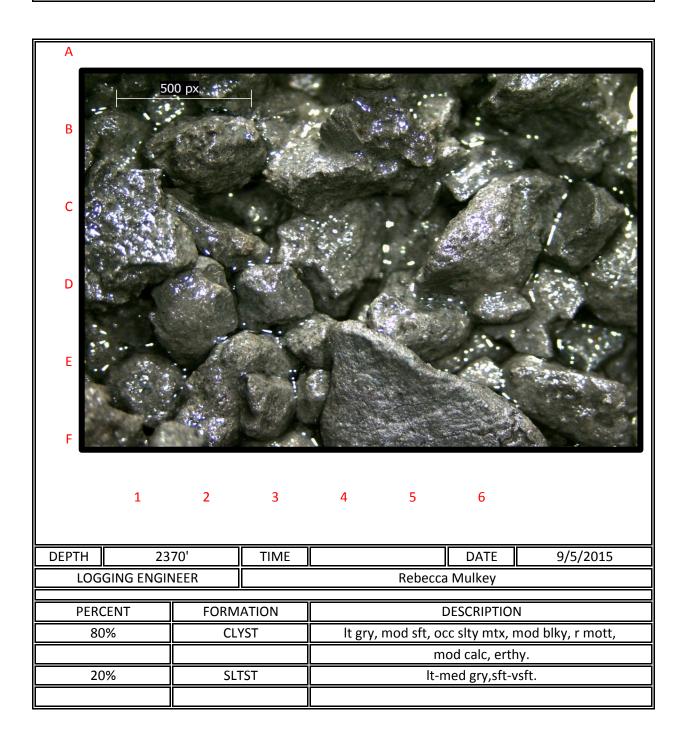


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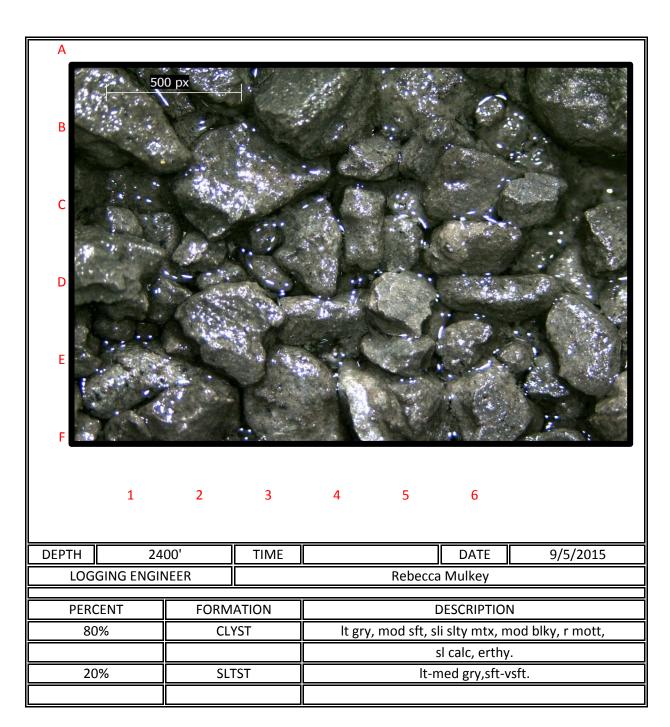


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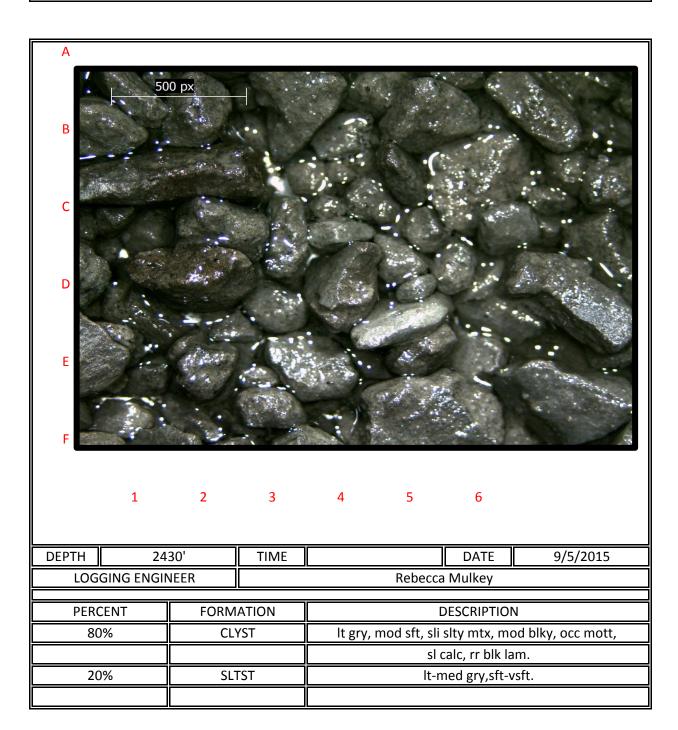


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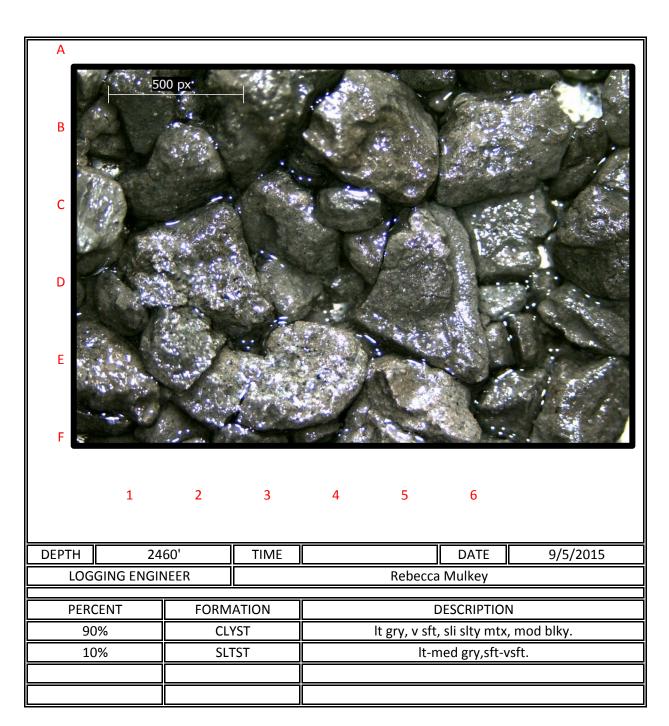


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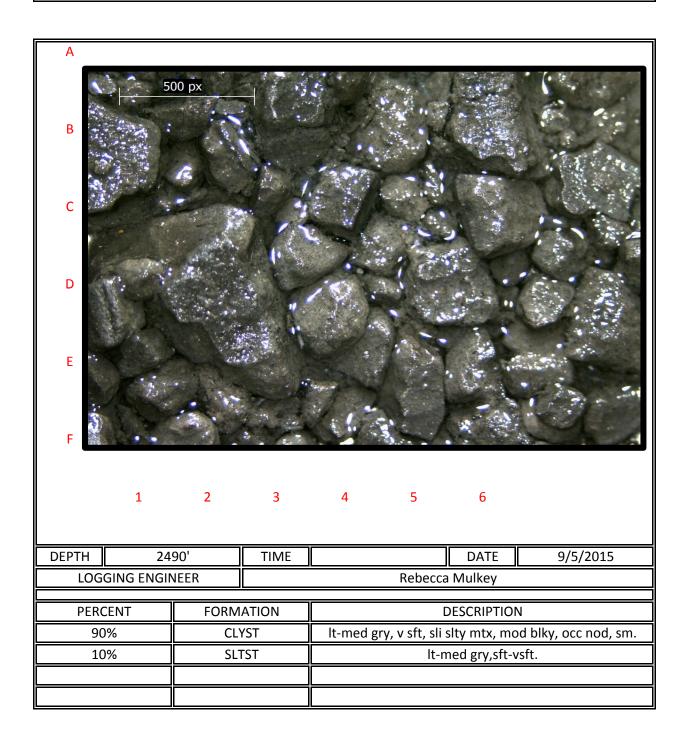


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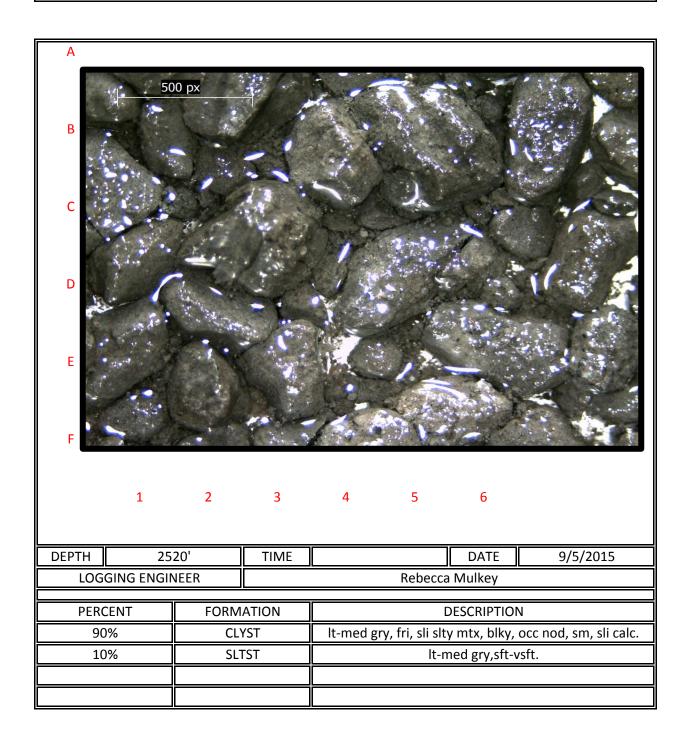


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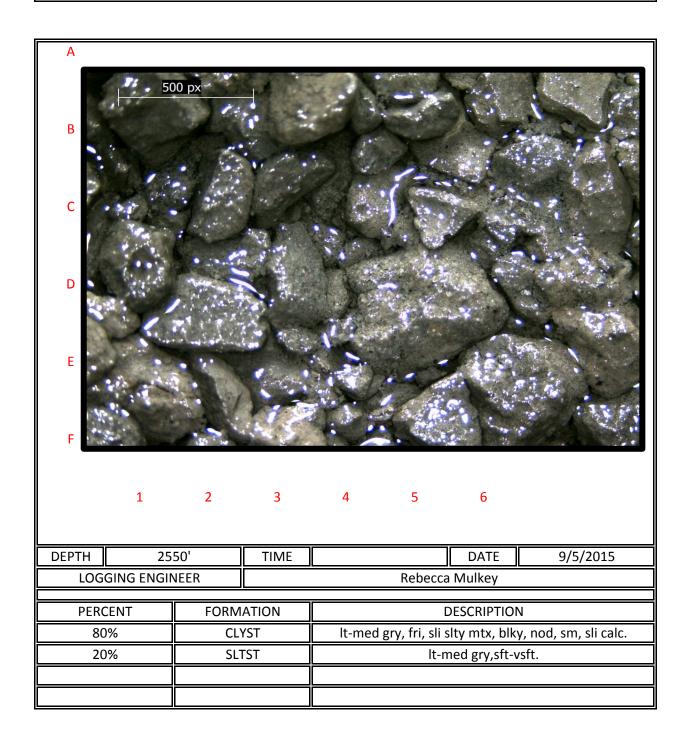


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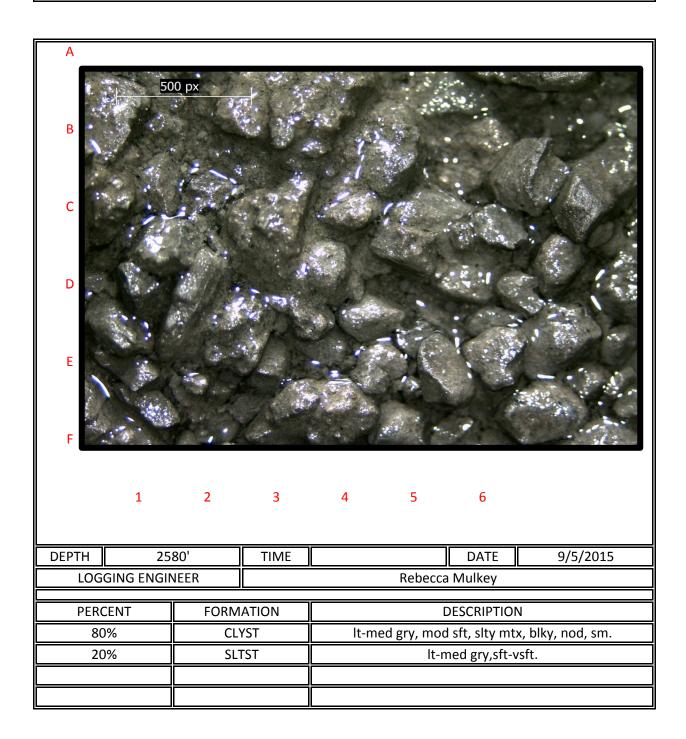


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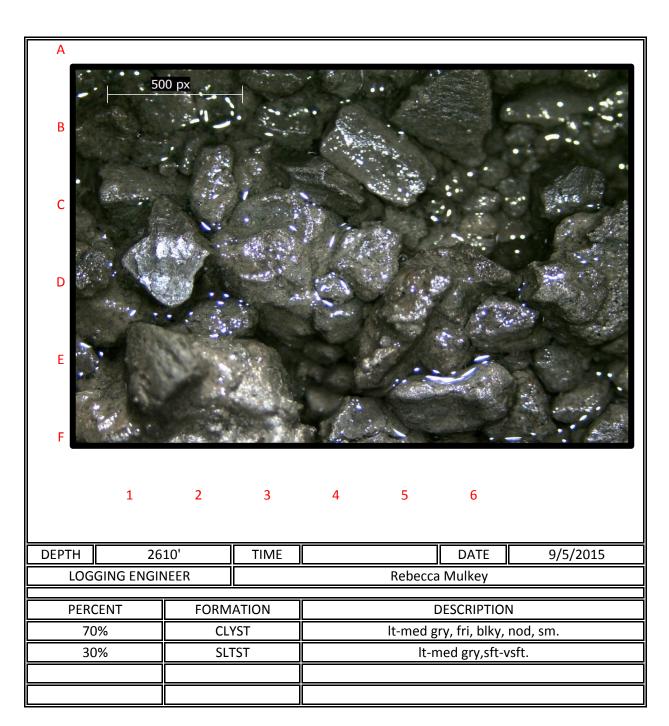


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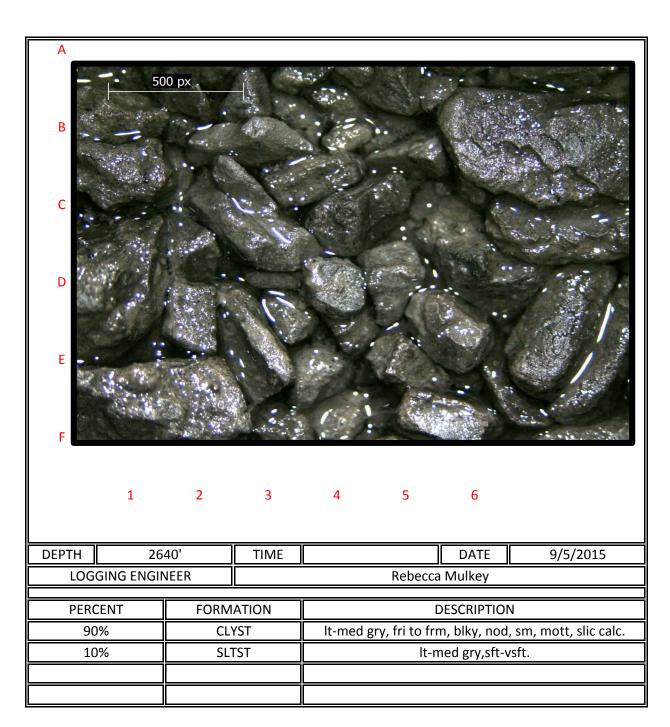


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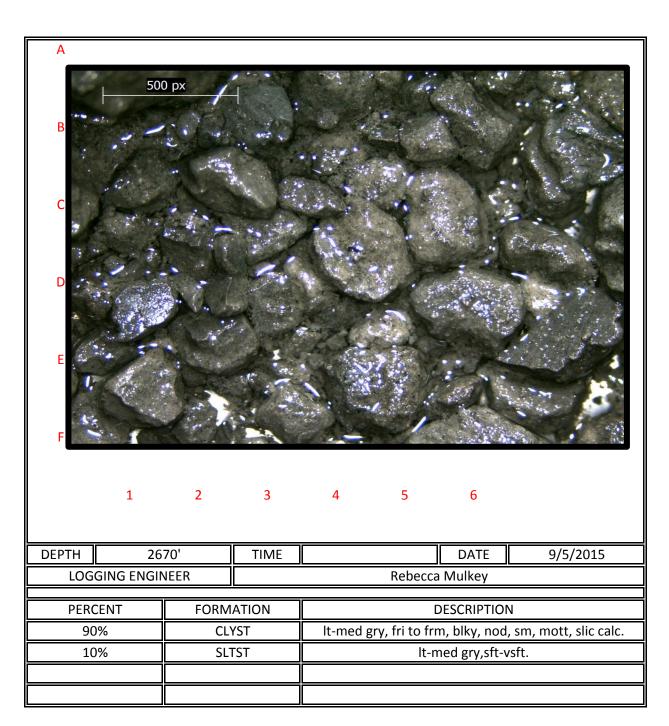


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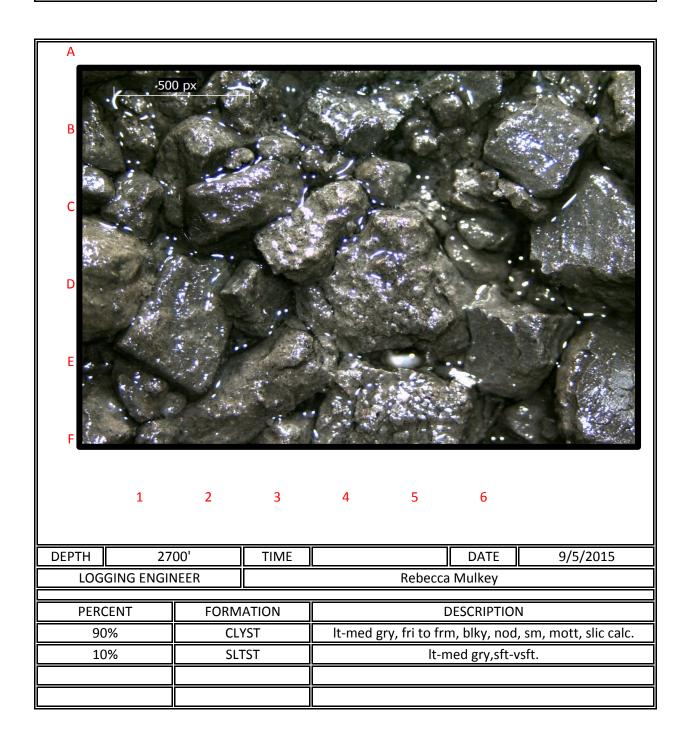


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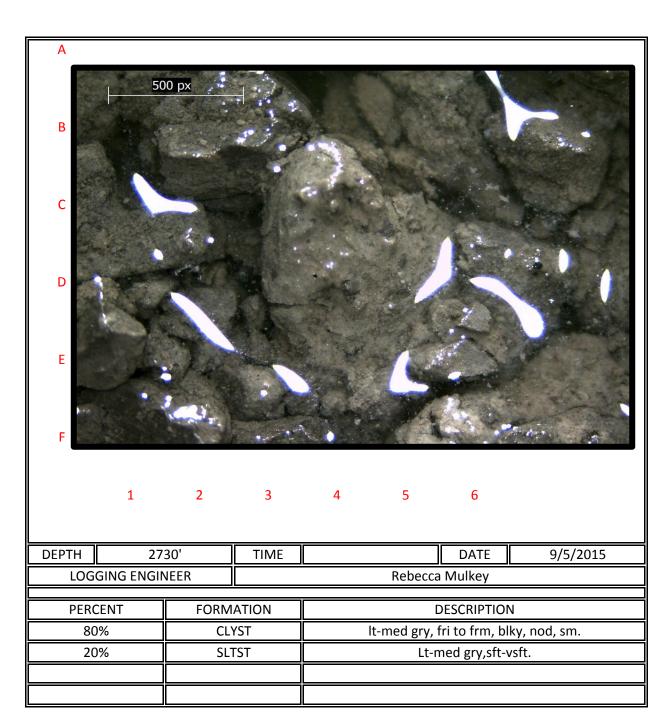


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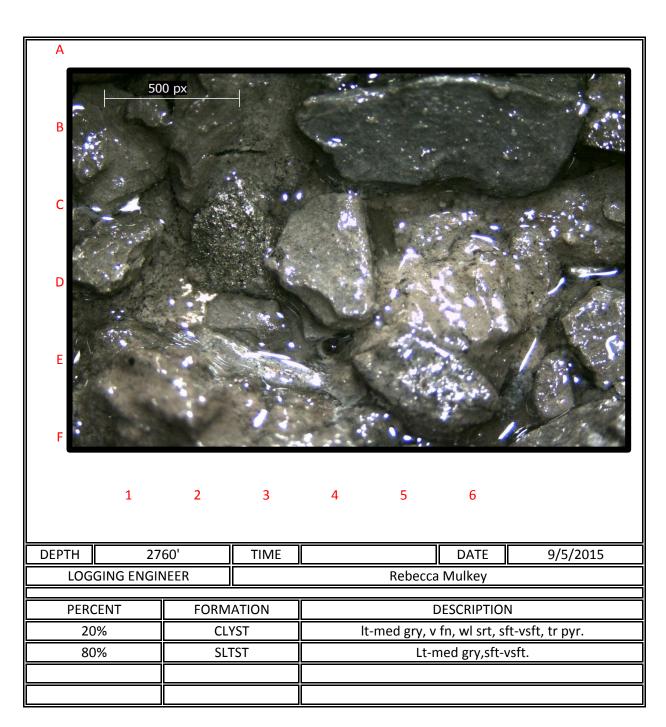


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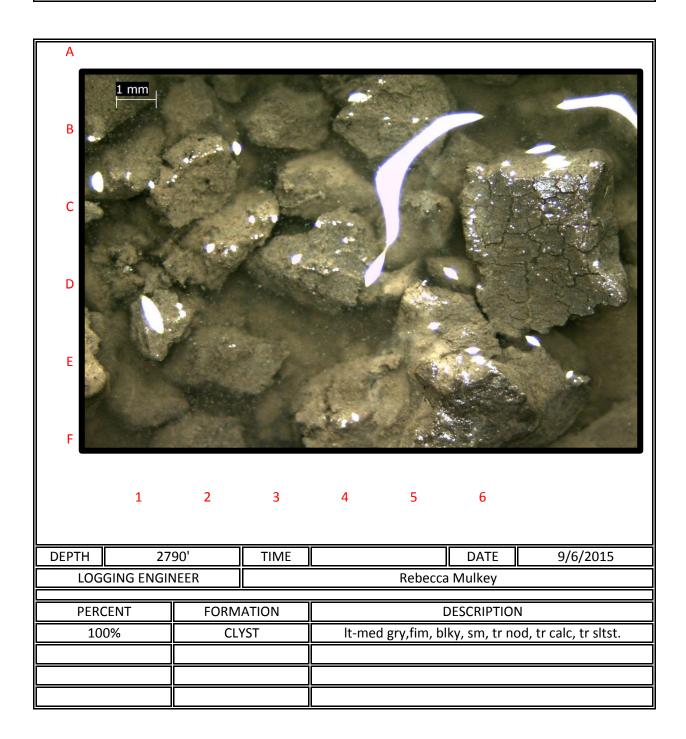


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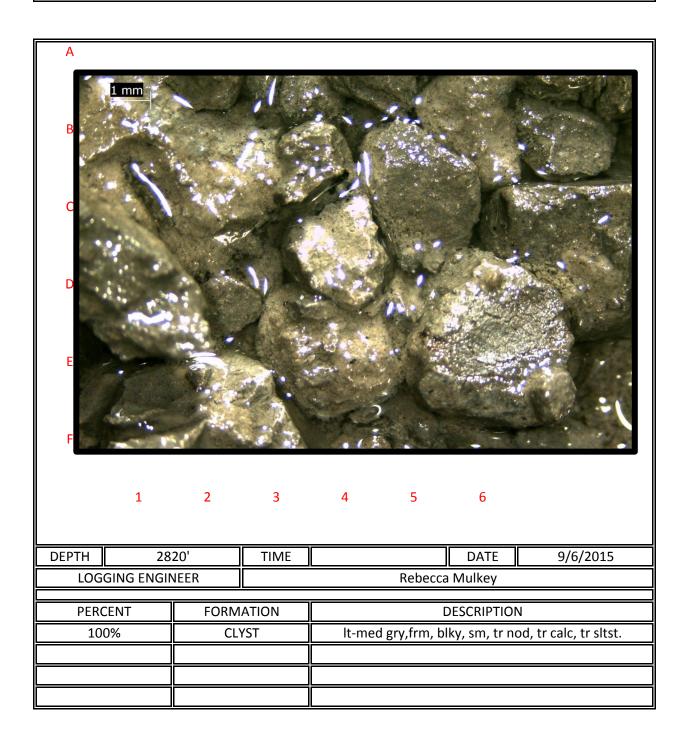


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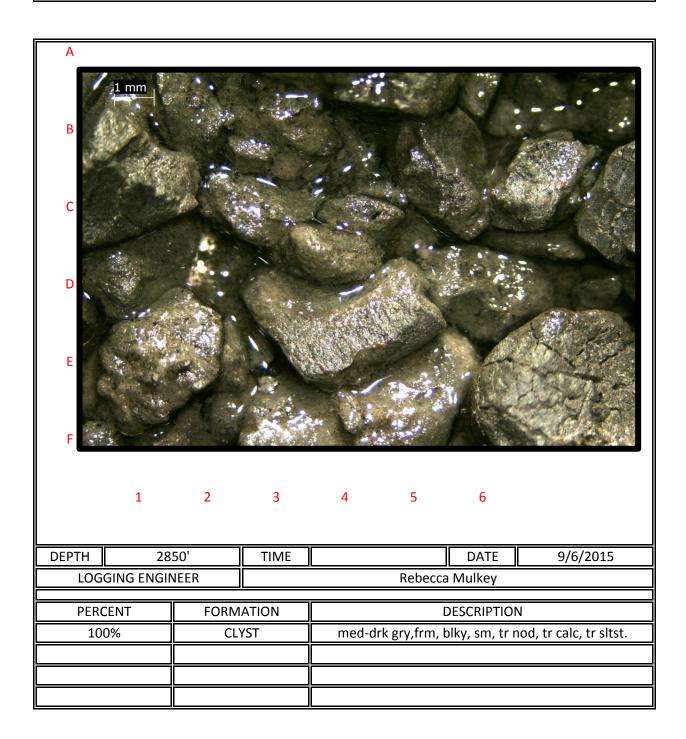


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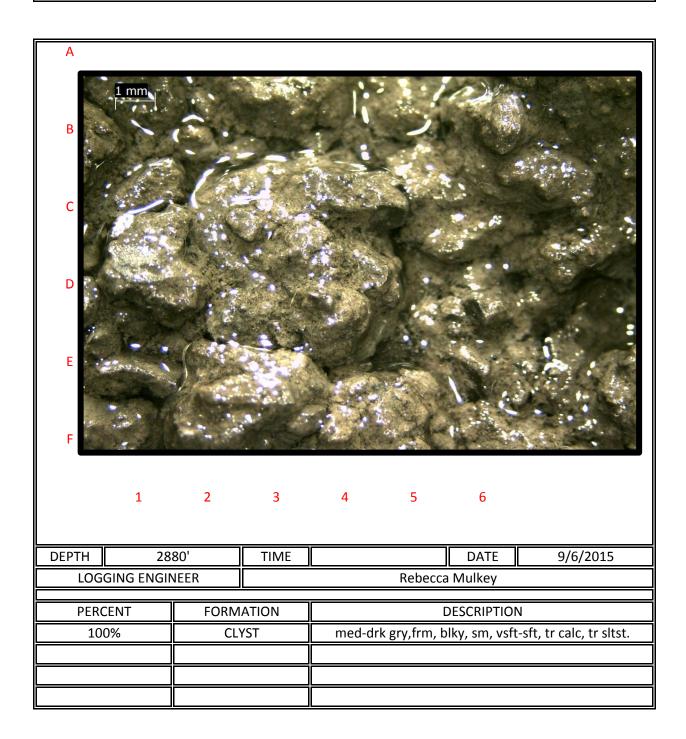


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



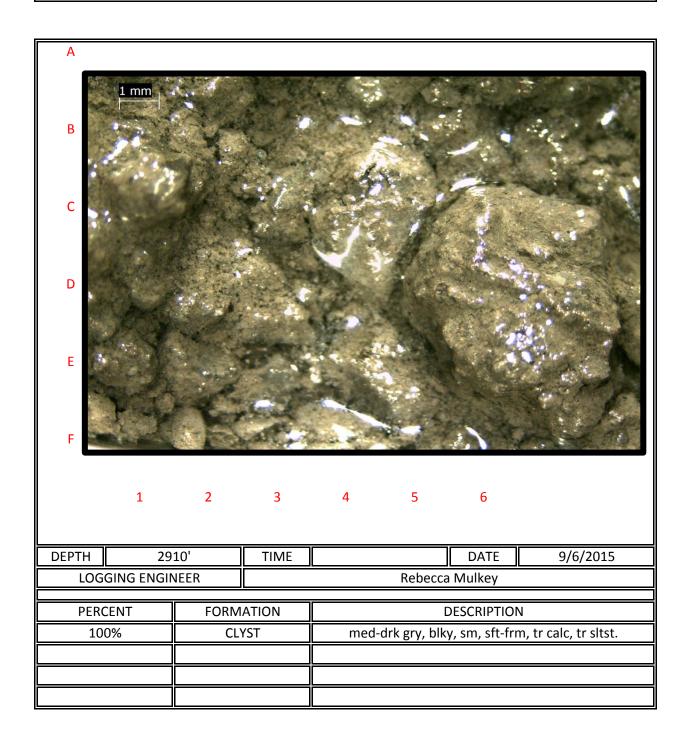


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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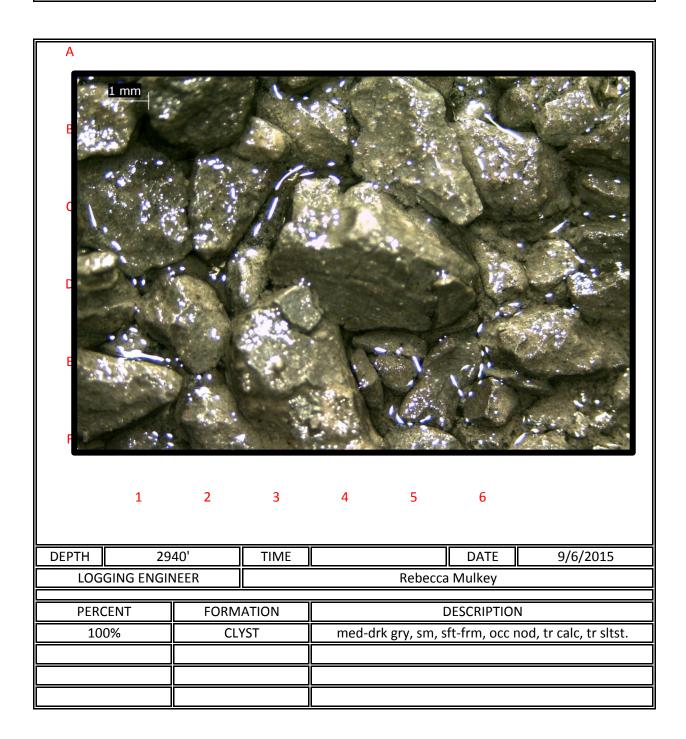


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LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



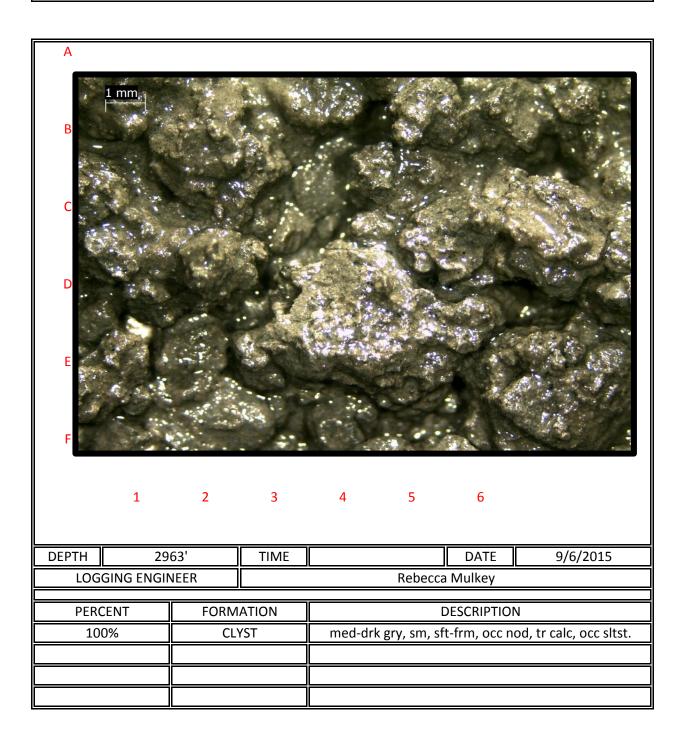


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WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984





COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



HALLIBURTON

Sperry Drilling

Cuttings Report

Shell Offshore Inc.
OCS Y-2321 #001
Burger J
Posey Block 6912
API No. 55-352-00004-00

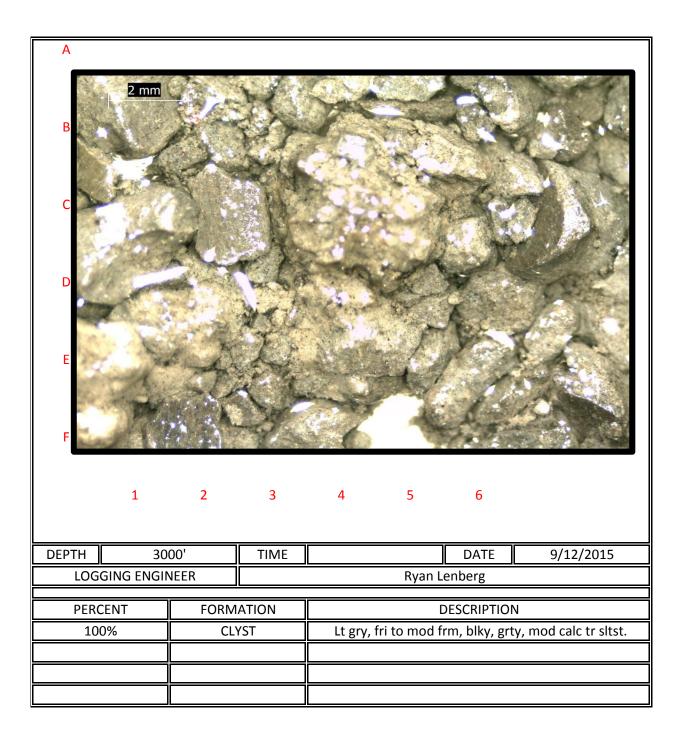
RIG: Polar Pioneer

SDL Personnel:

Craig Amos— Unit Manager Rebecca Mulkey, Ryan Lenberg— Logging Specialists

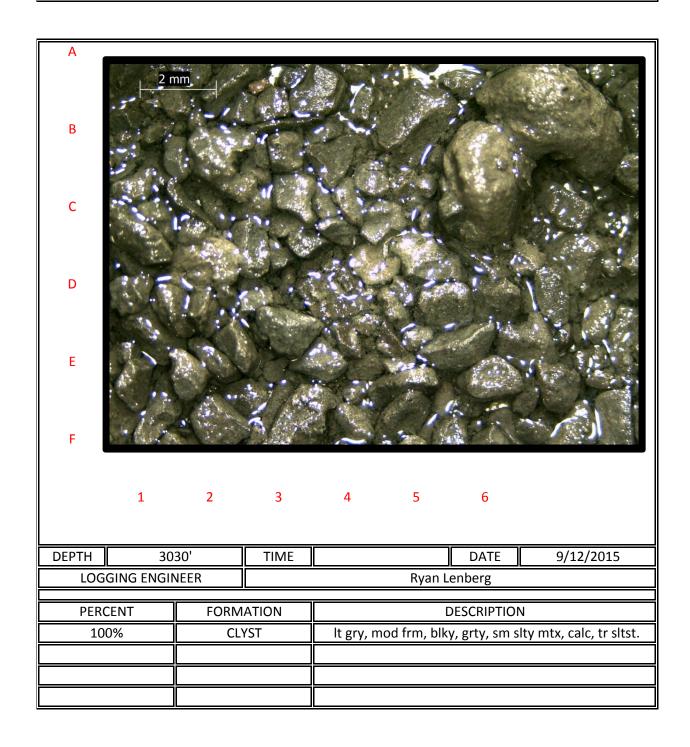


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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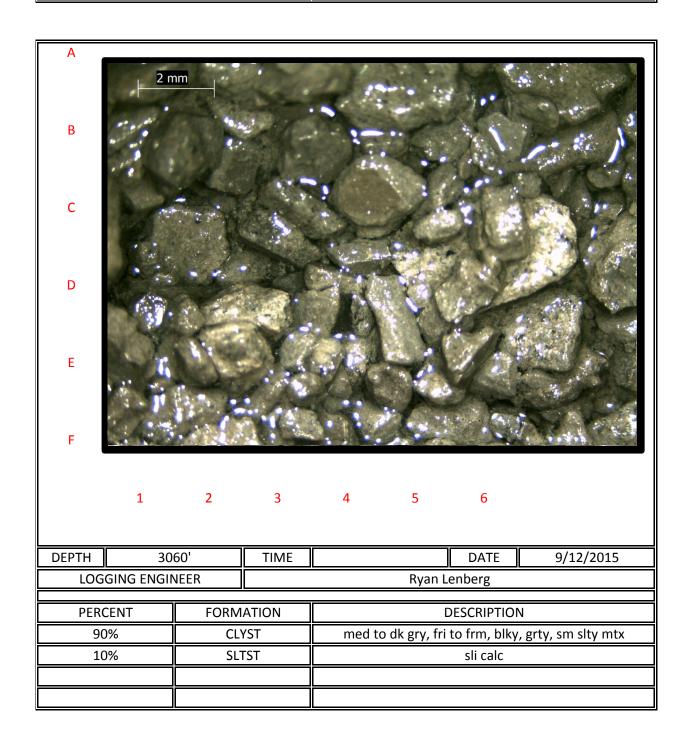


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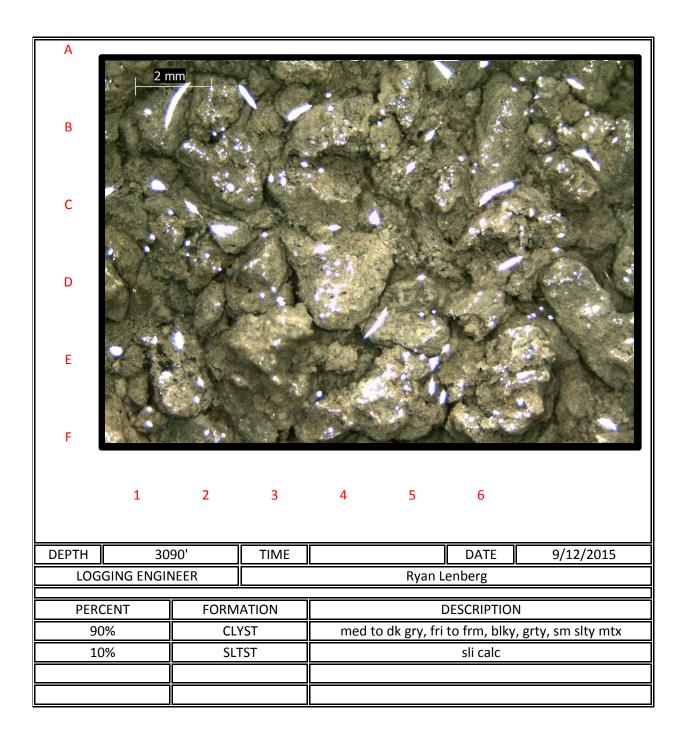


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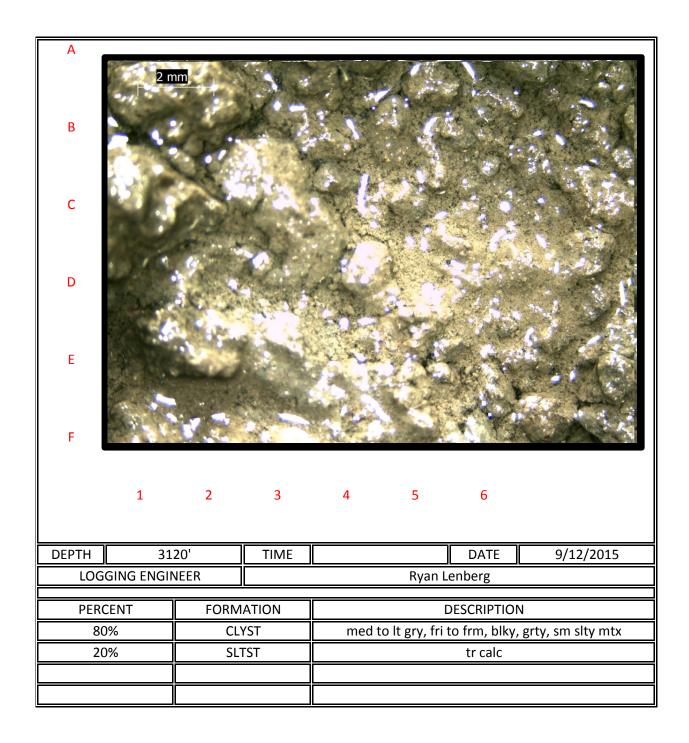


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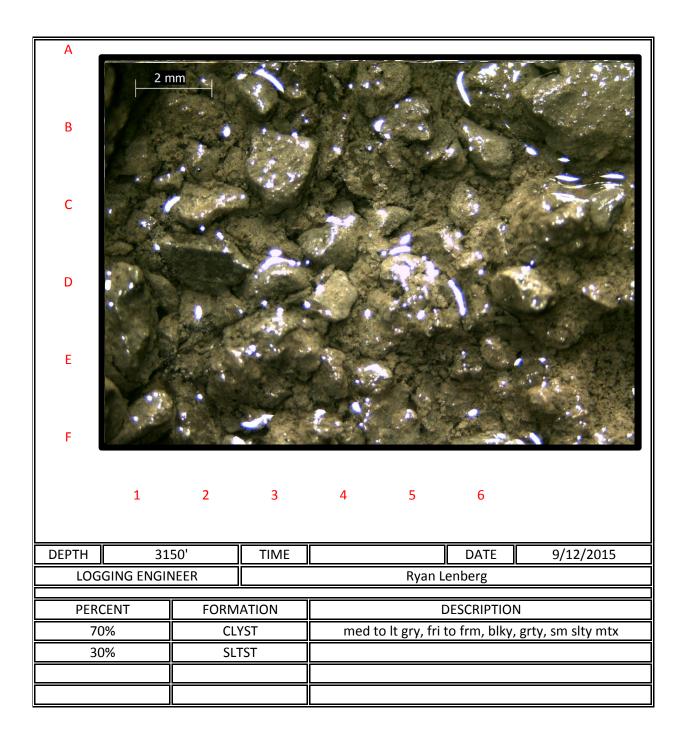


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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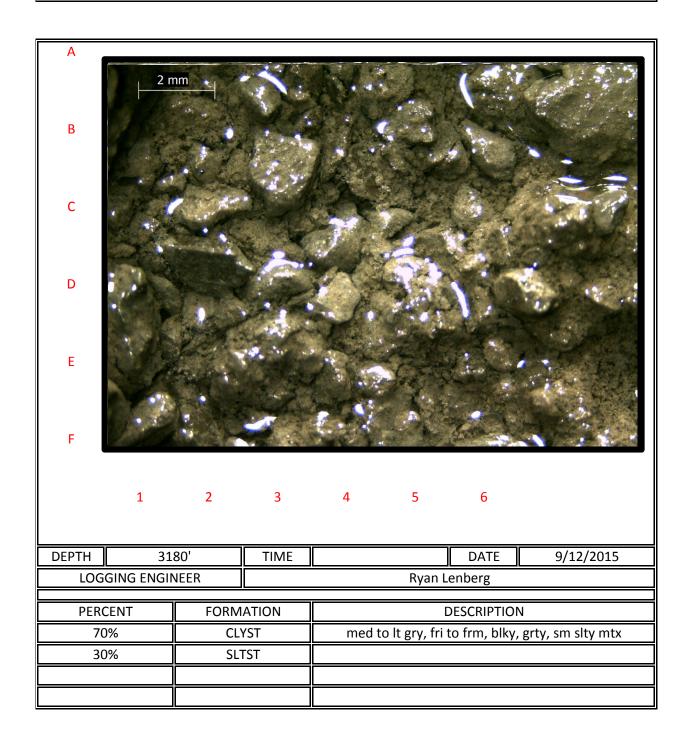


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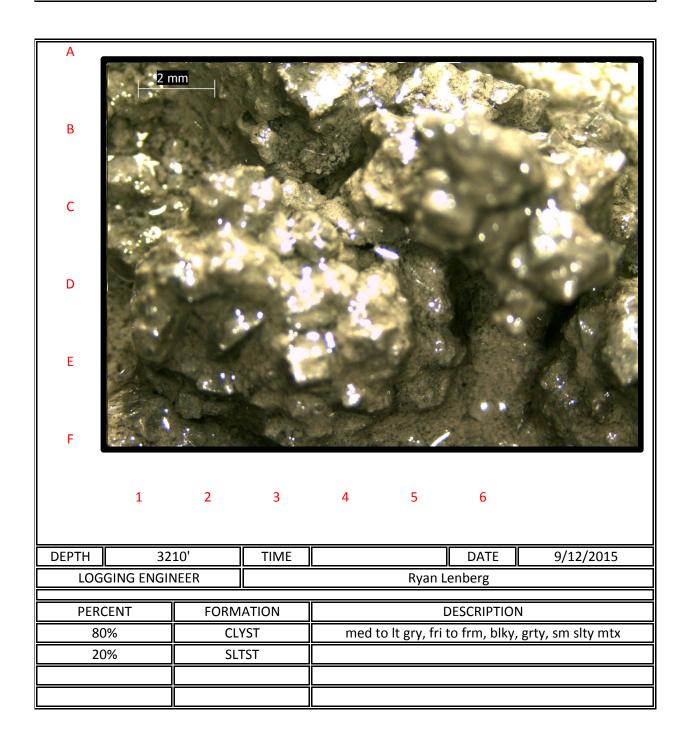


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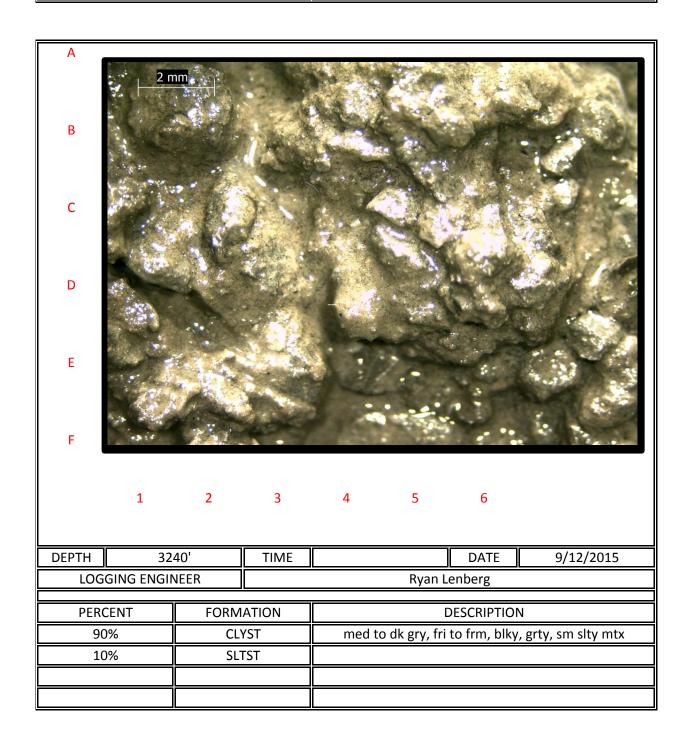


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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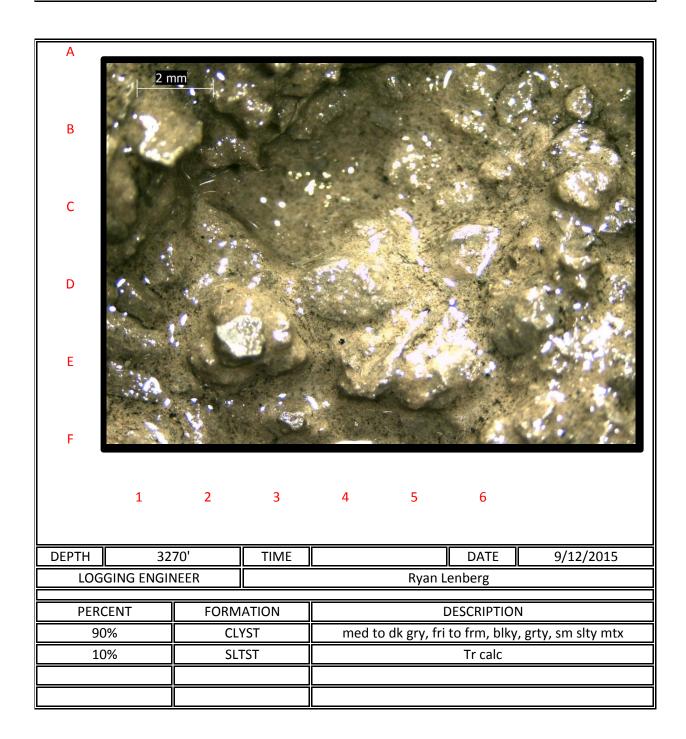


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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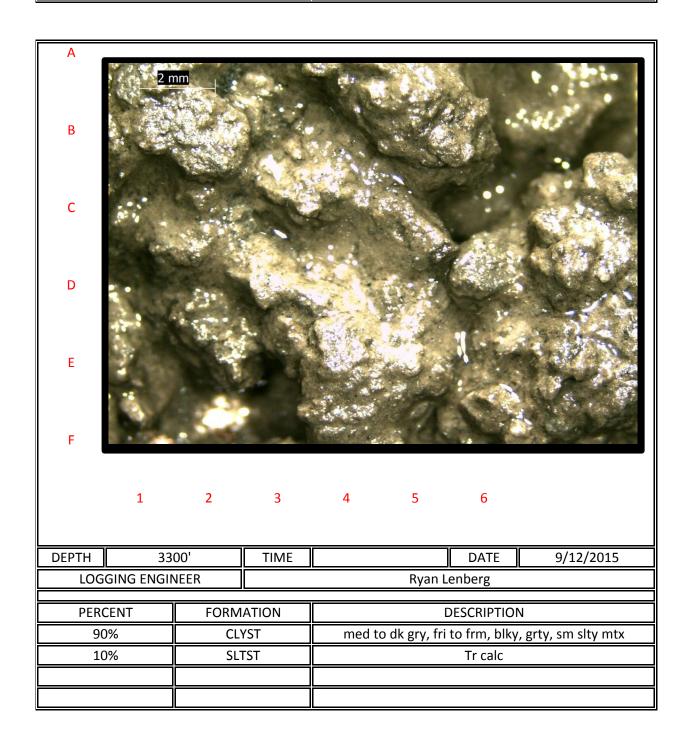


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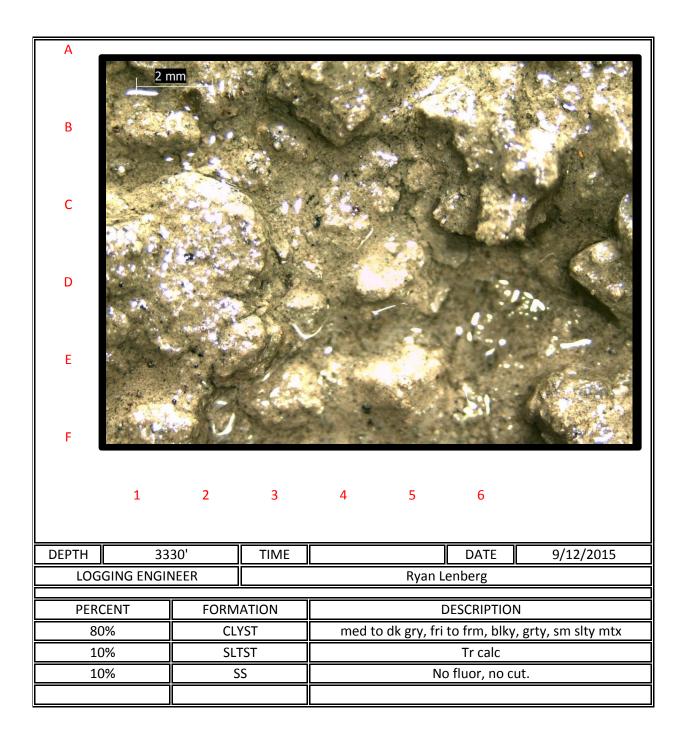


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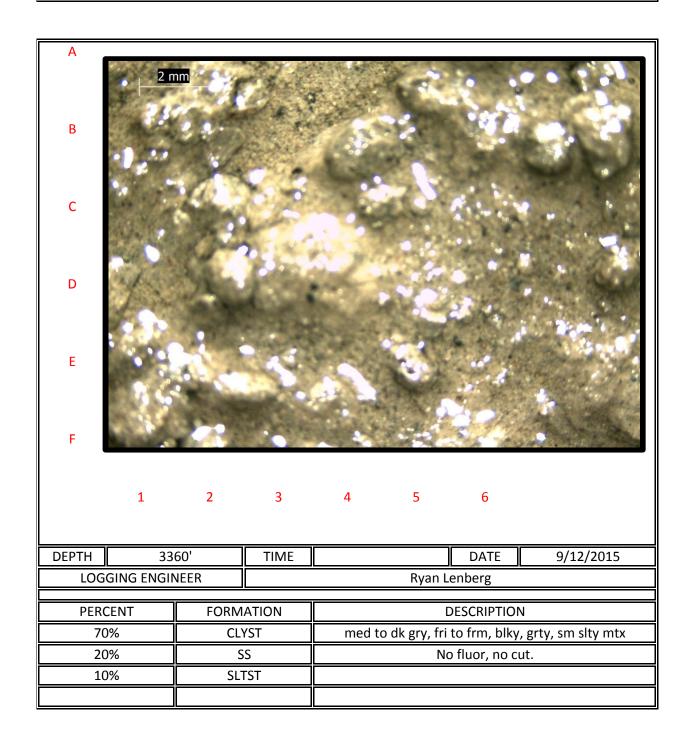


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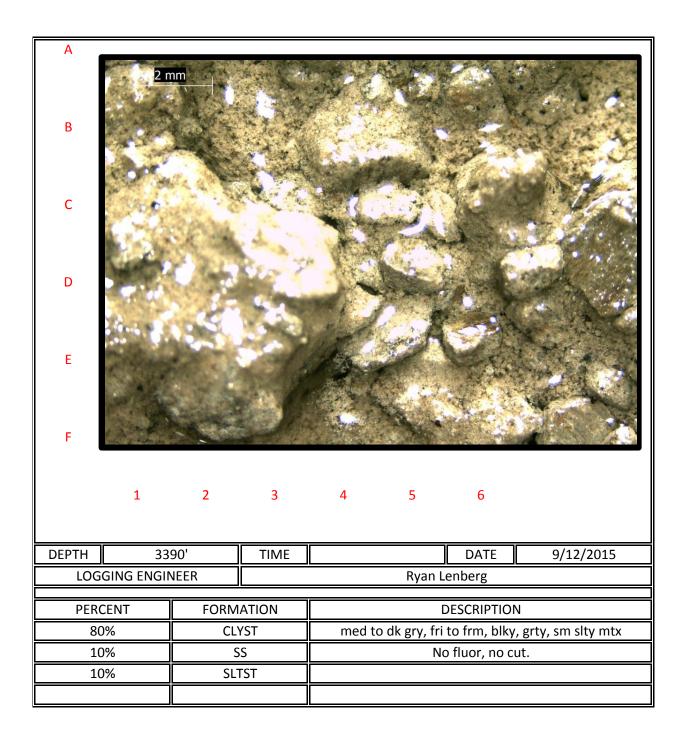


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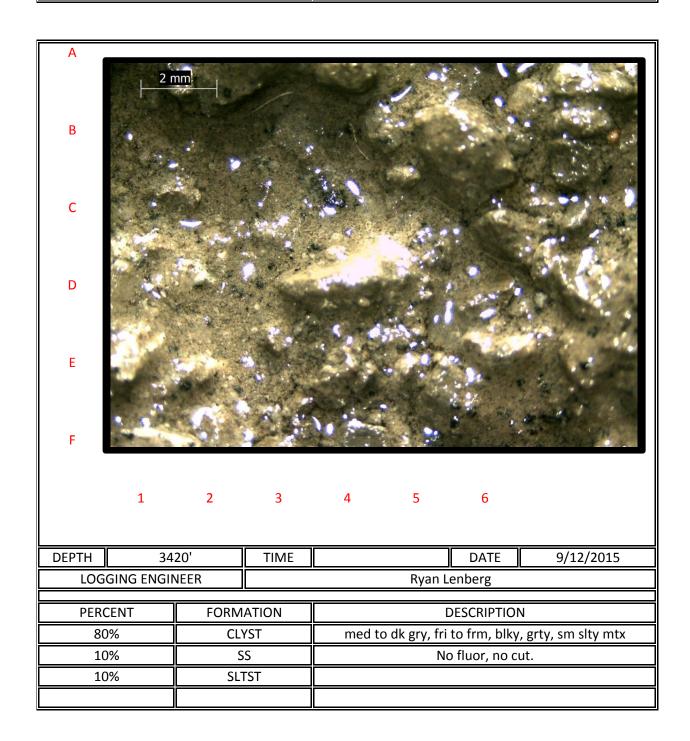


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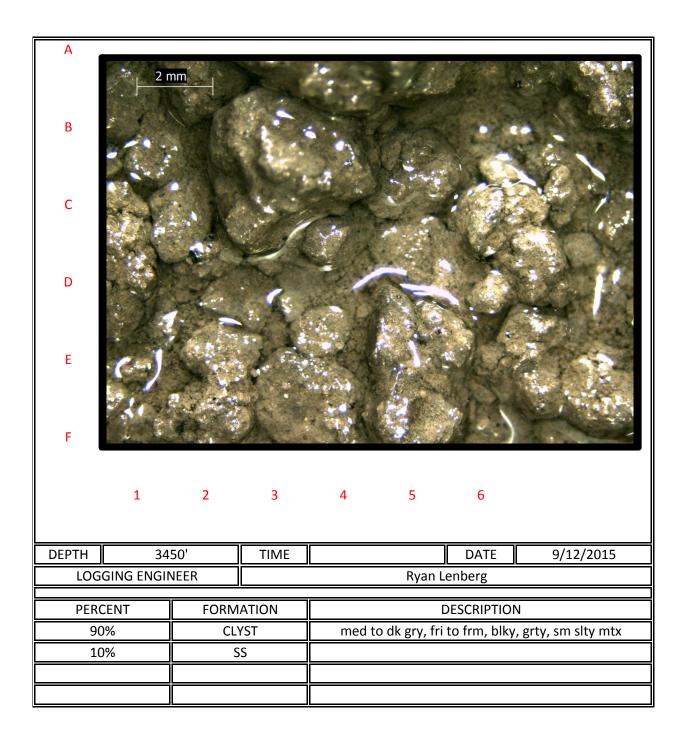


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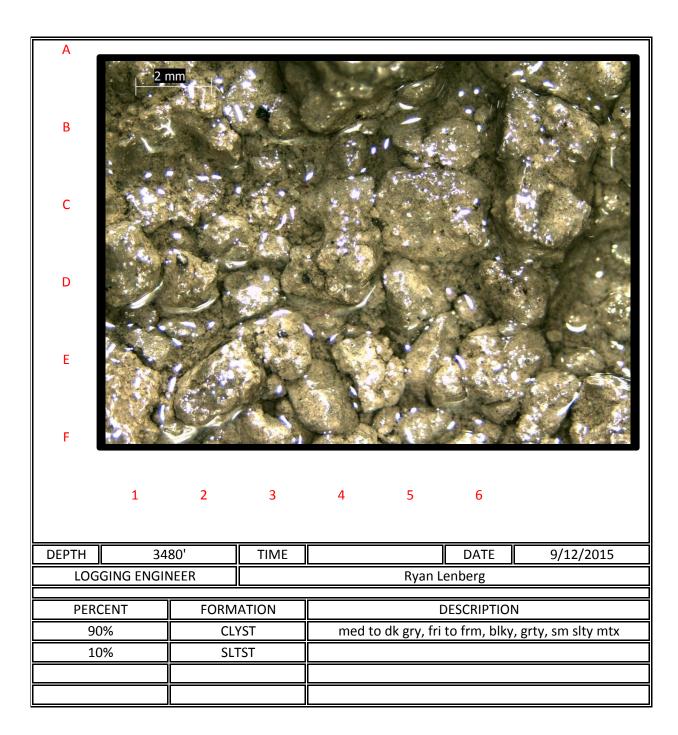


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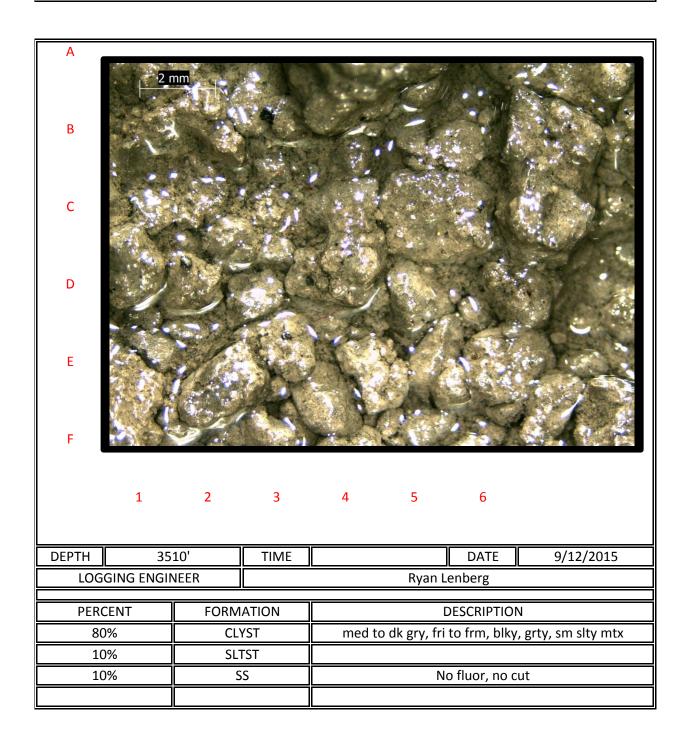


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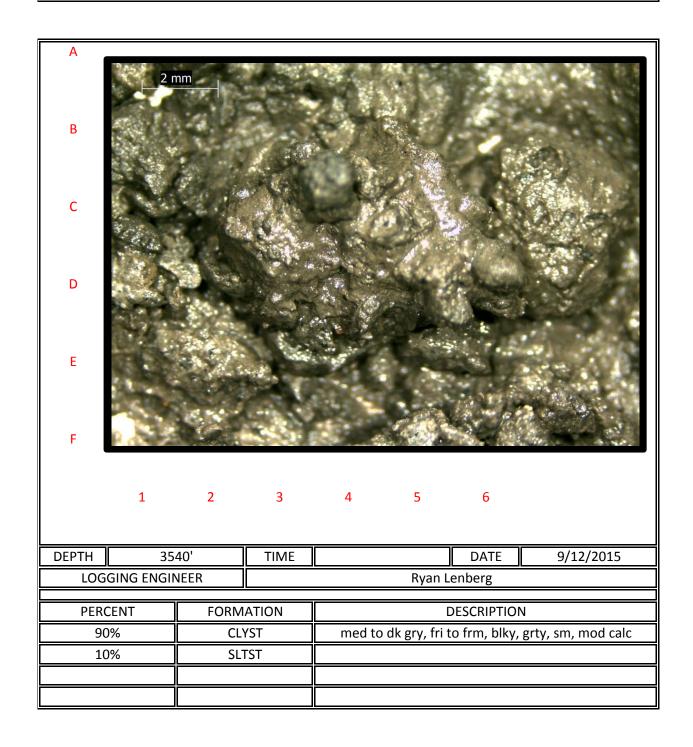


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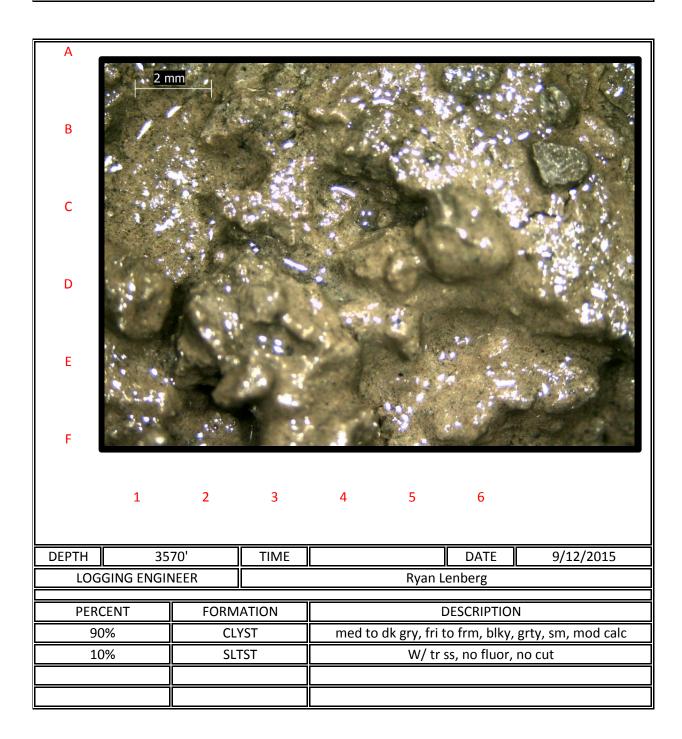


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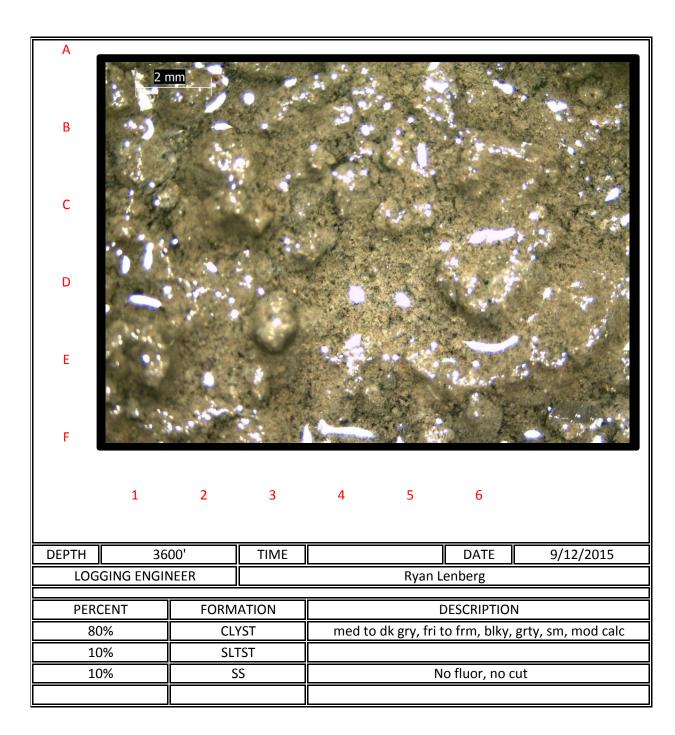


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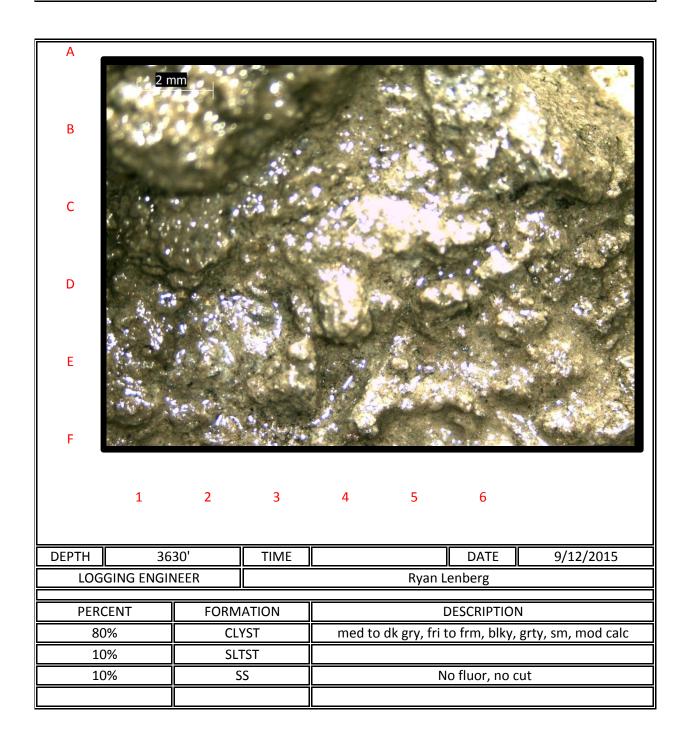


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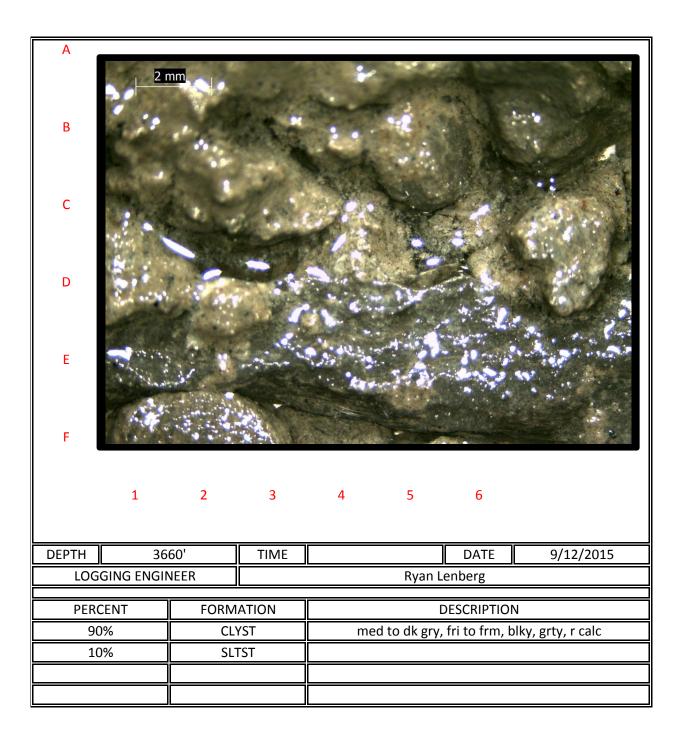


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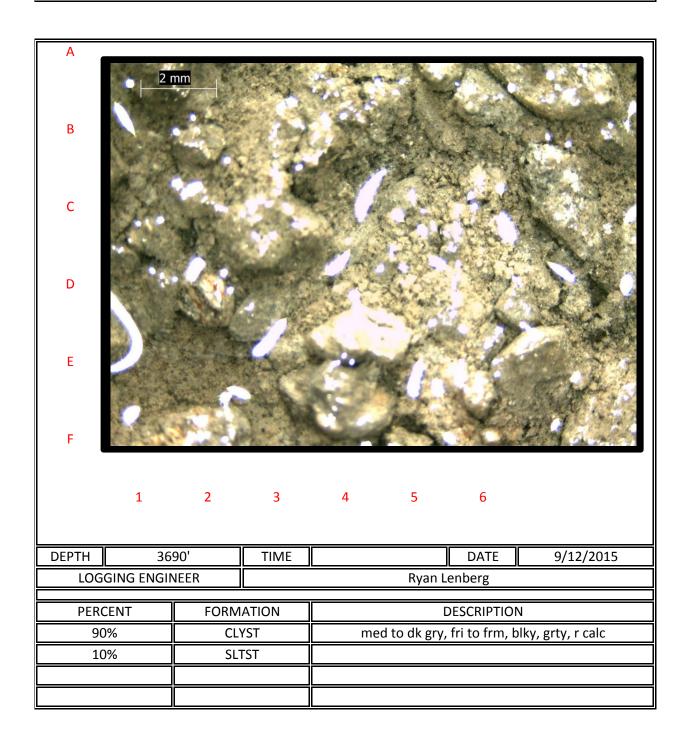


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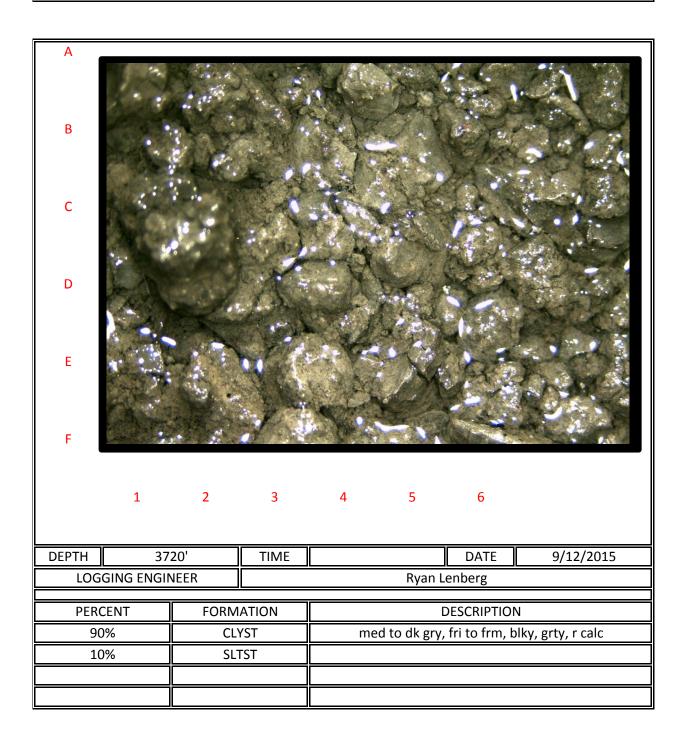


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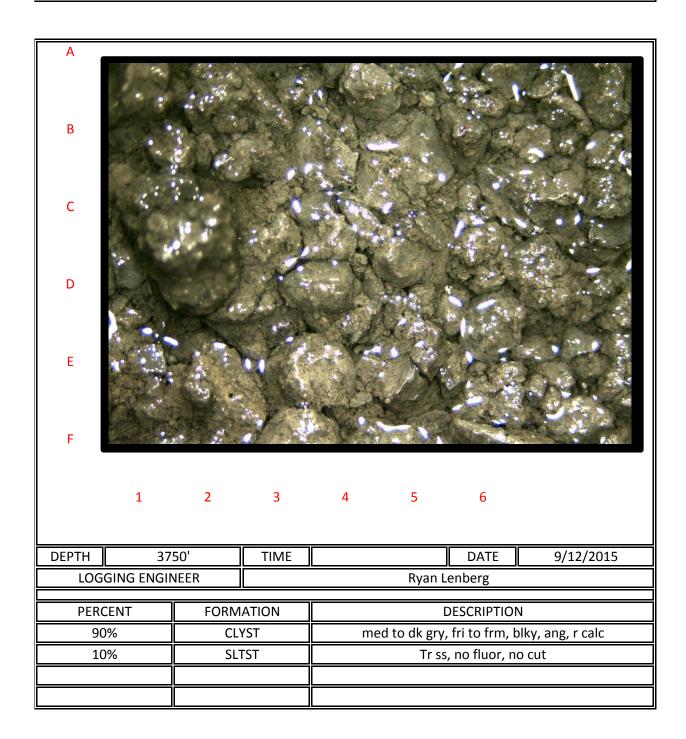


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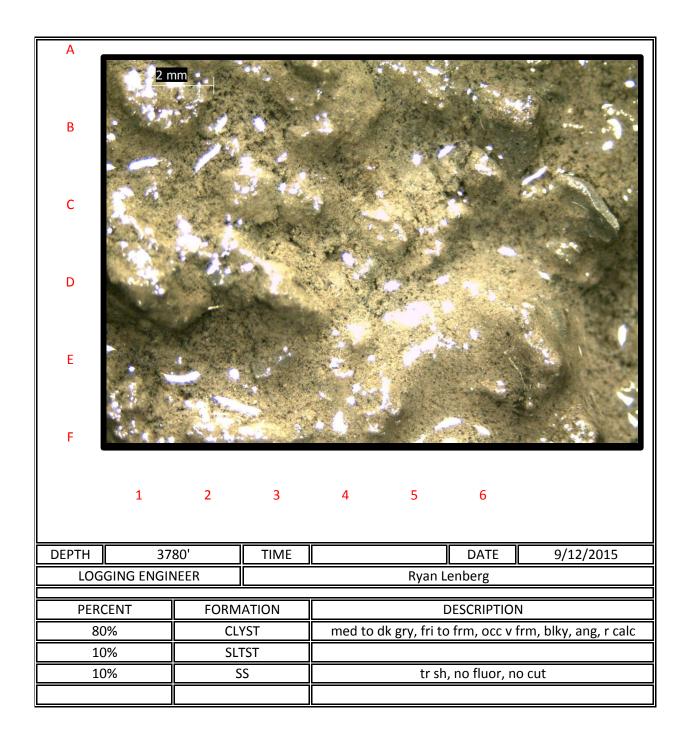


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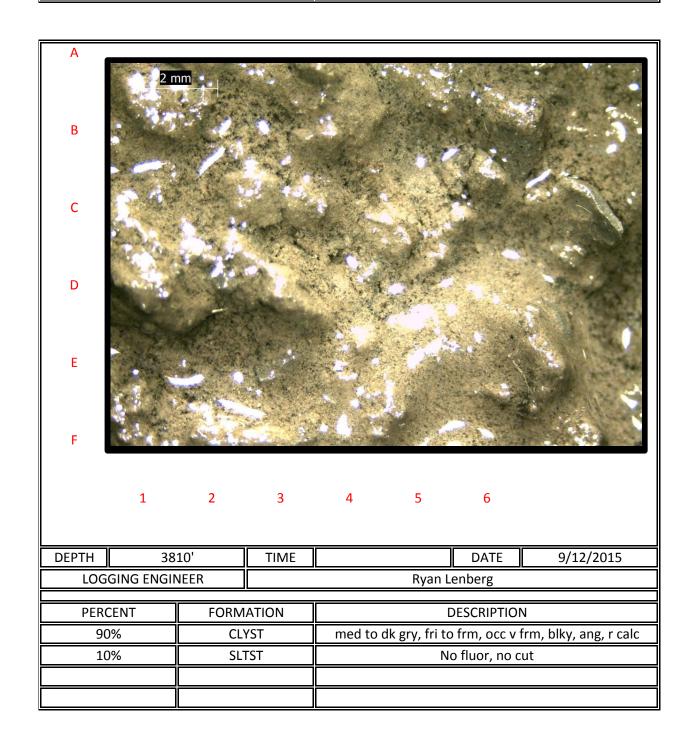


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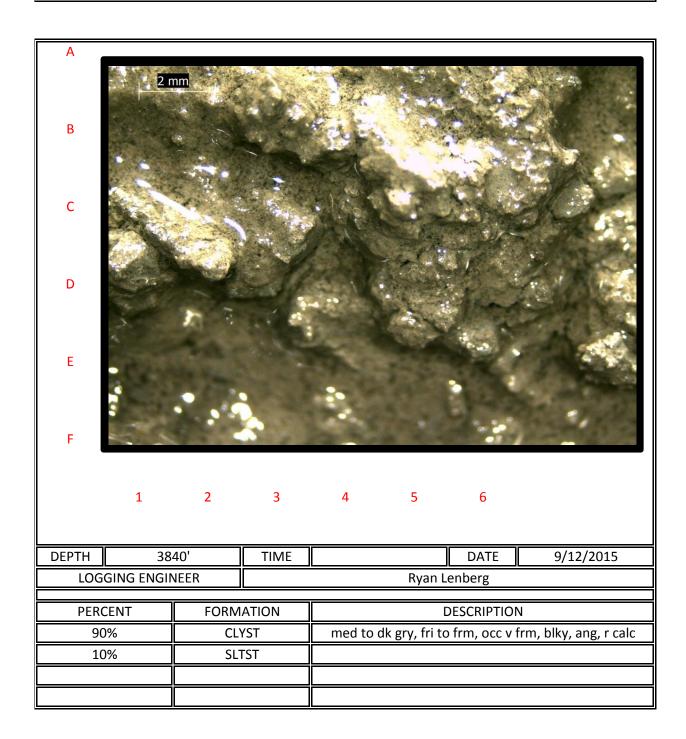


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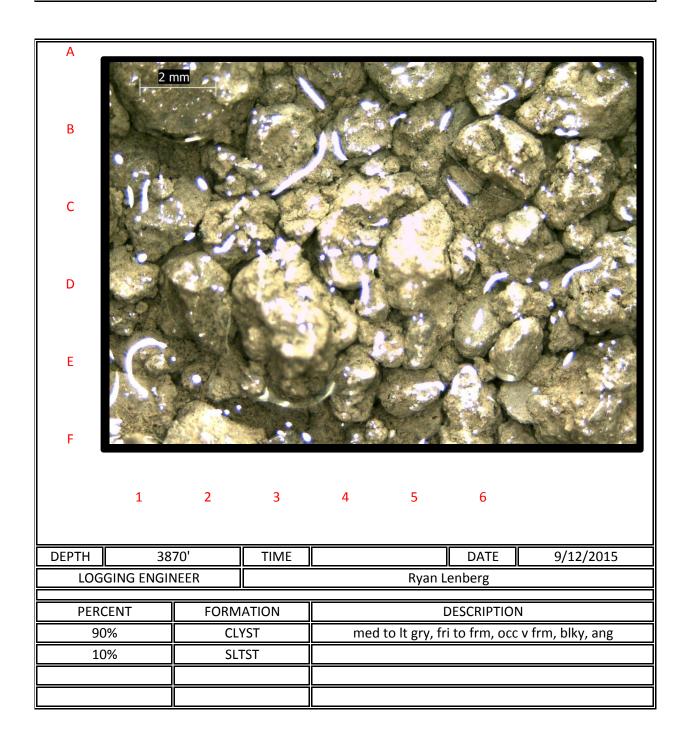


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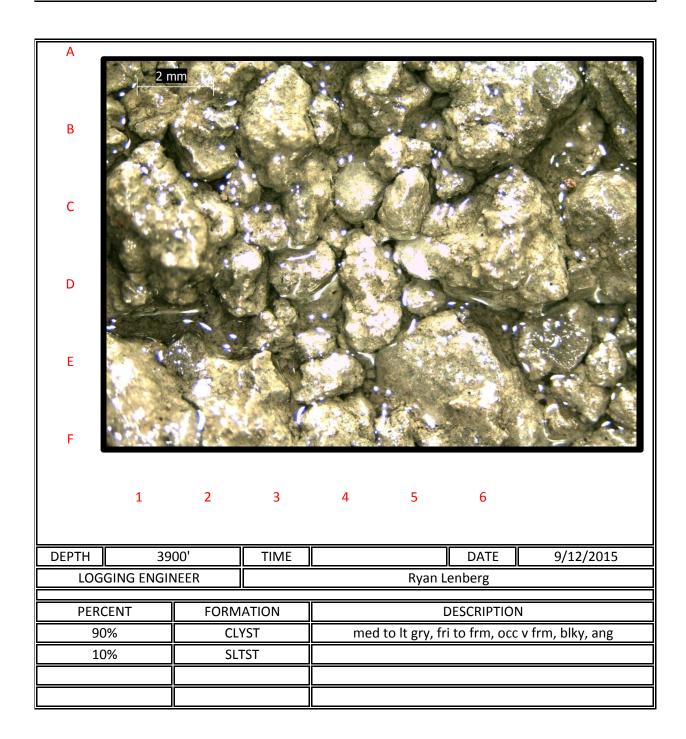


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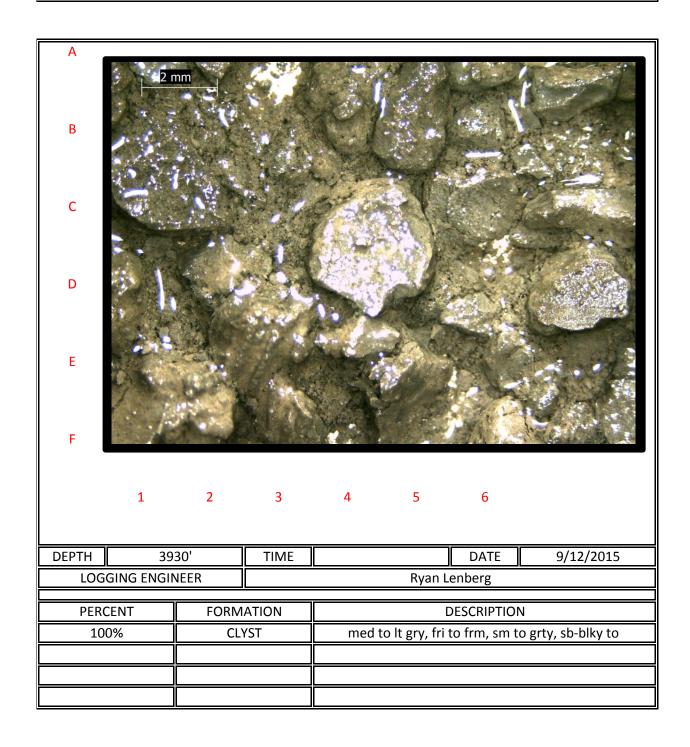


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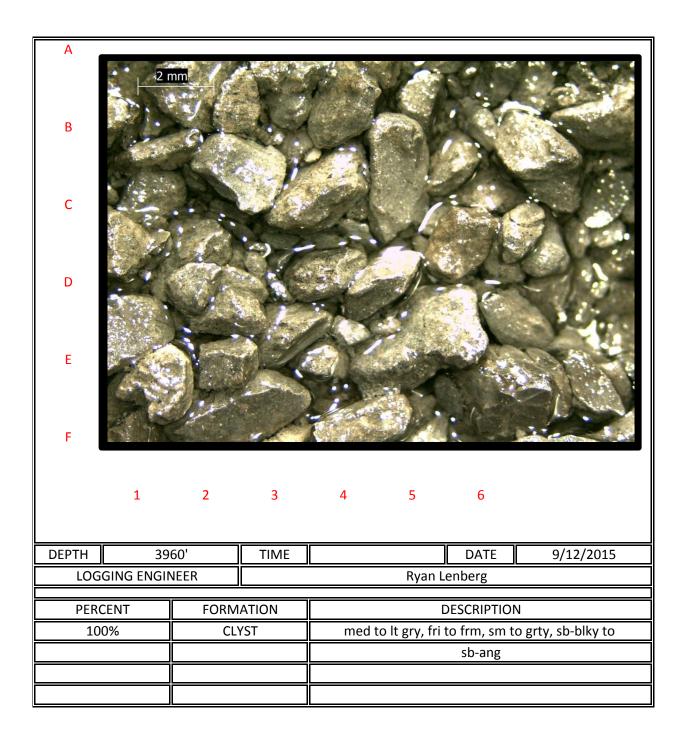


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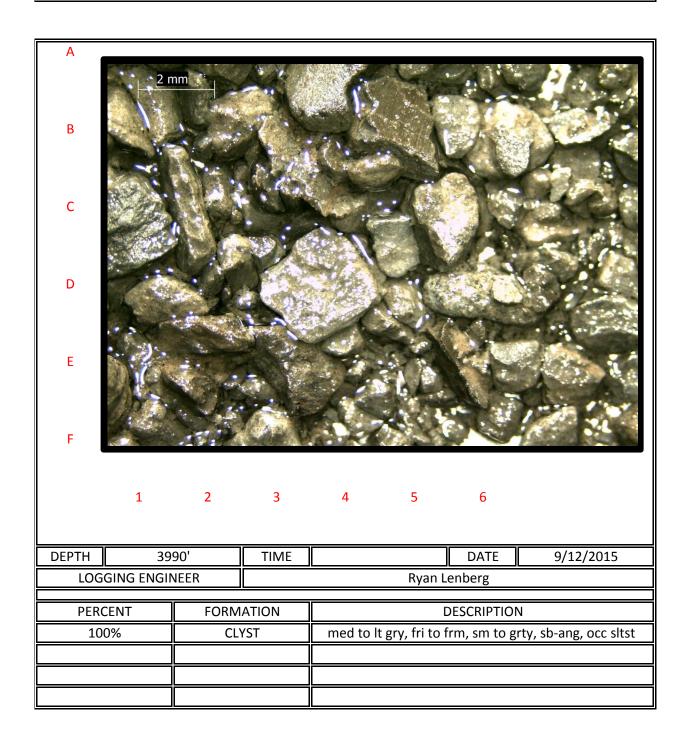


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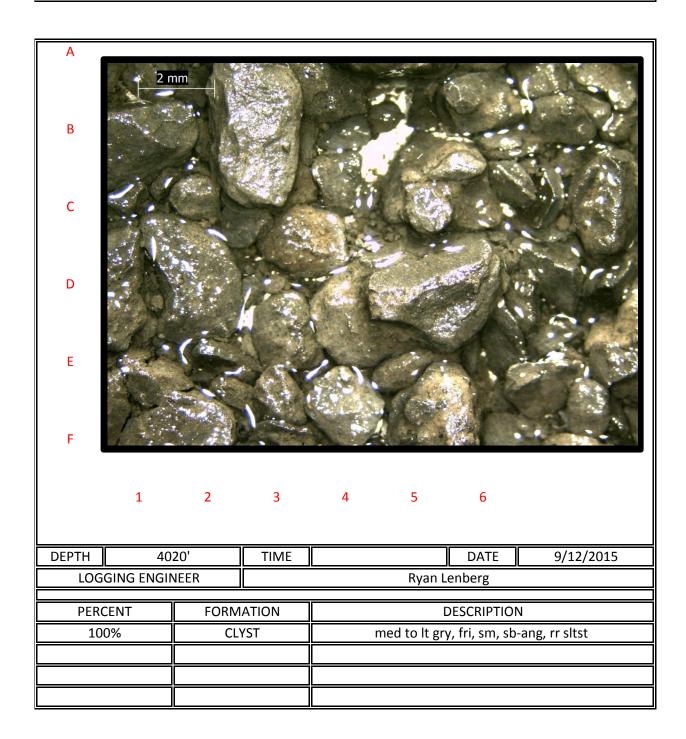


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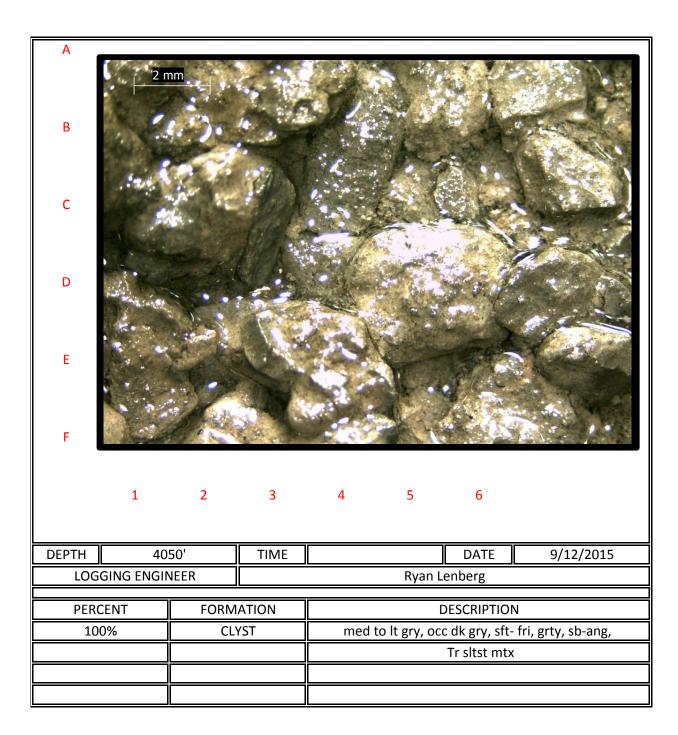


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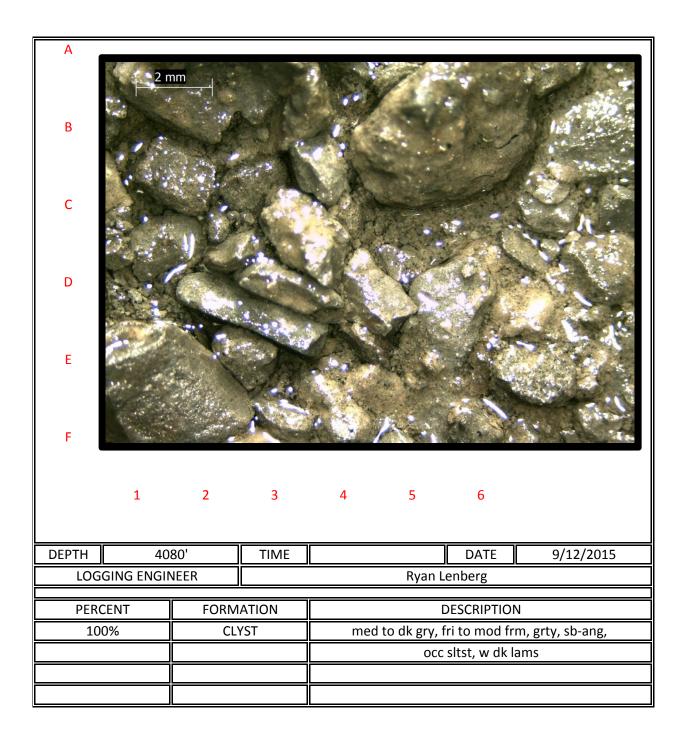




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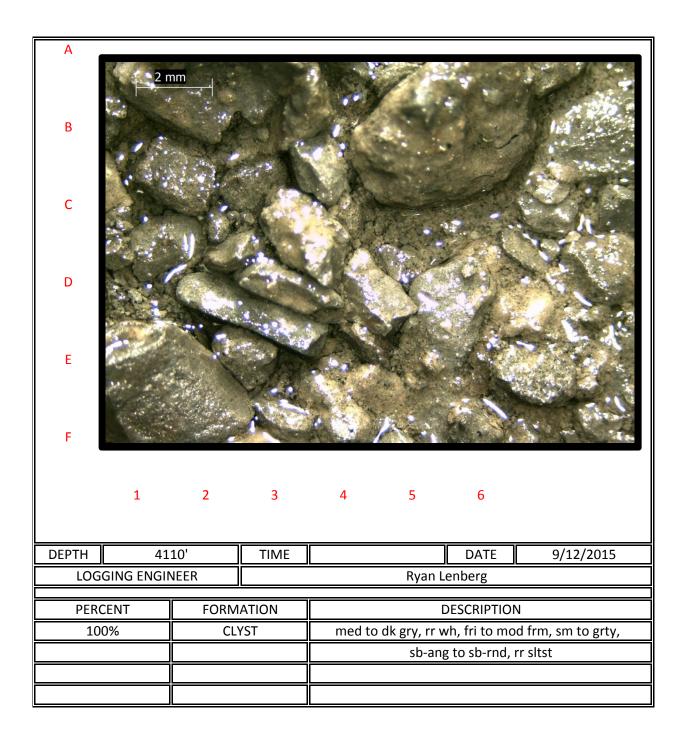


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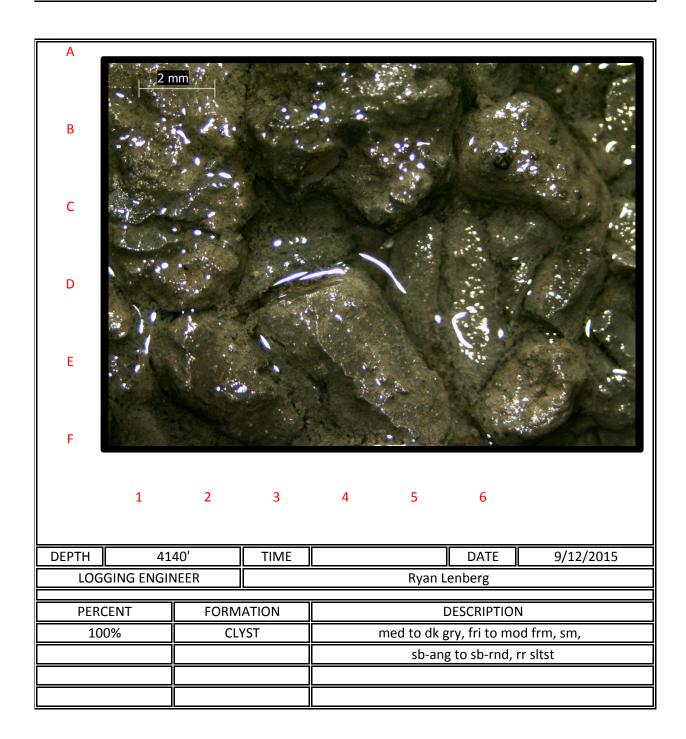


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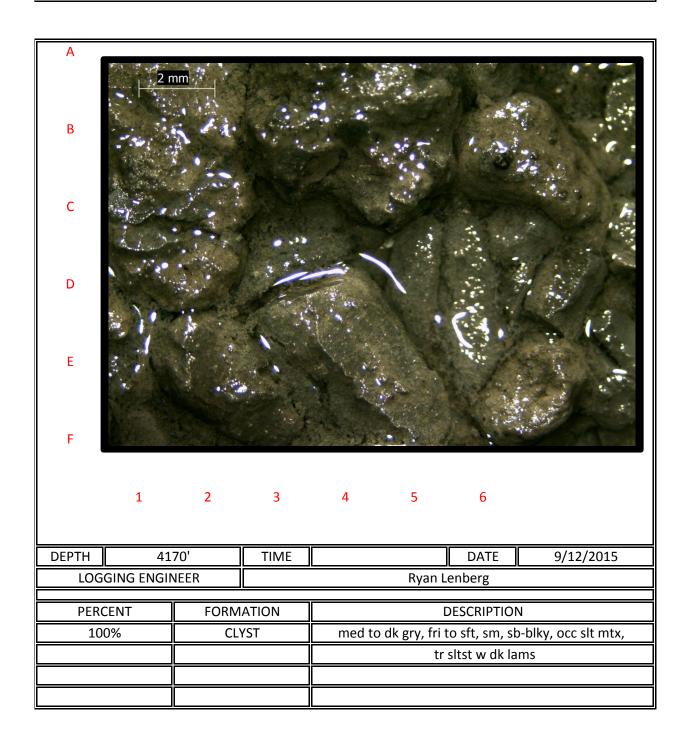


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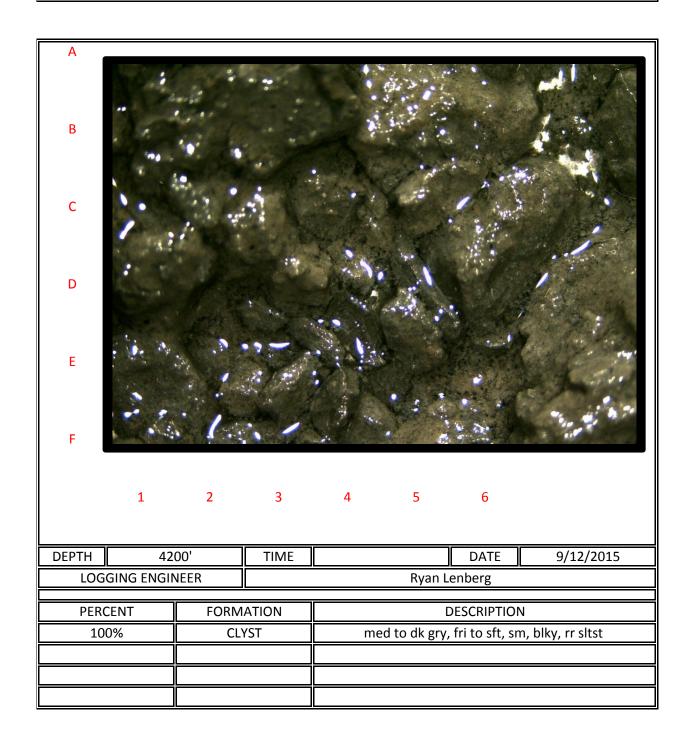


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WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



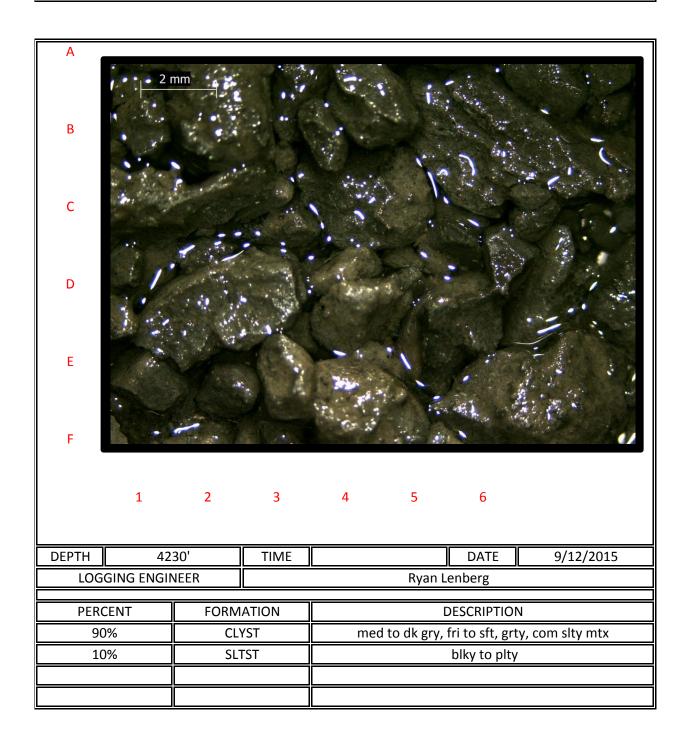


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



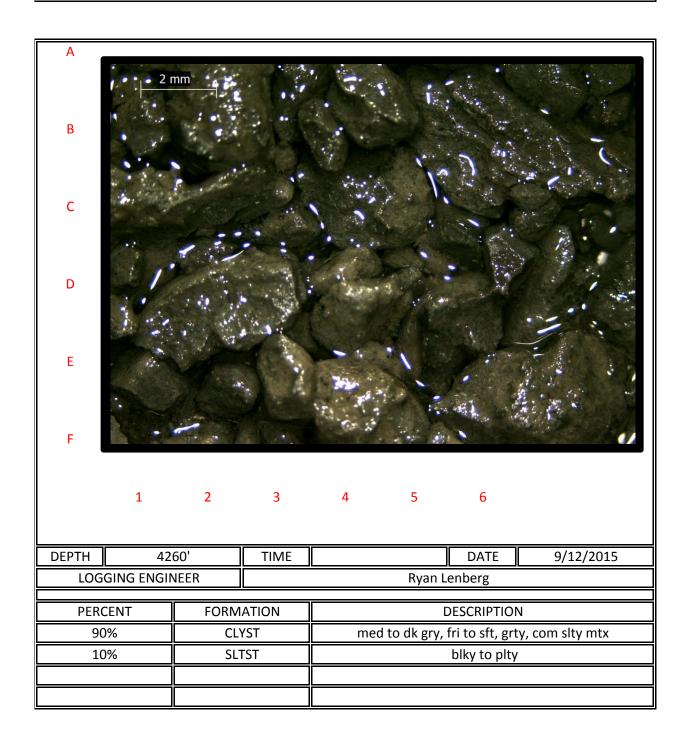


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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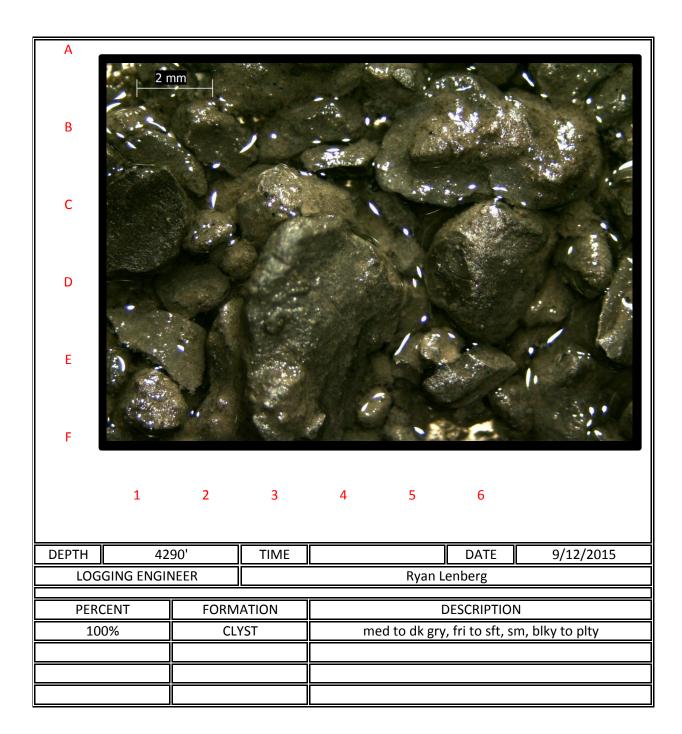


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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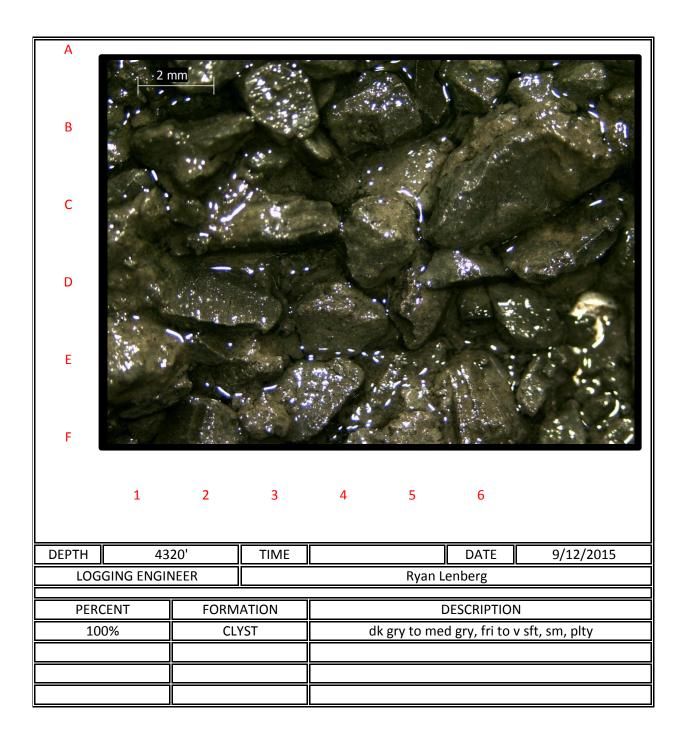


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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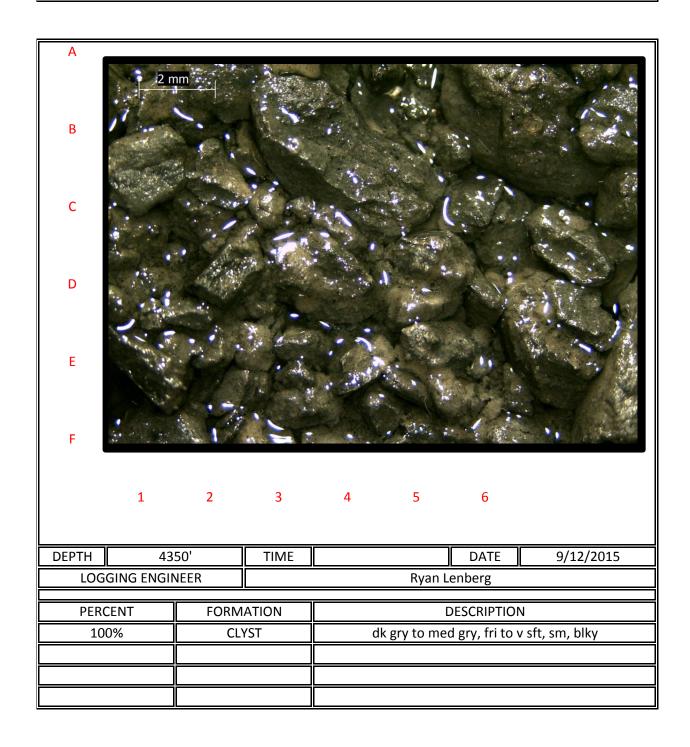


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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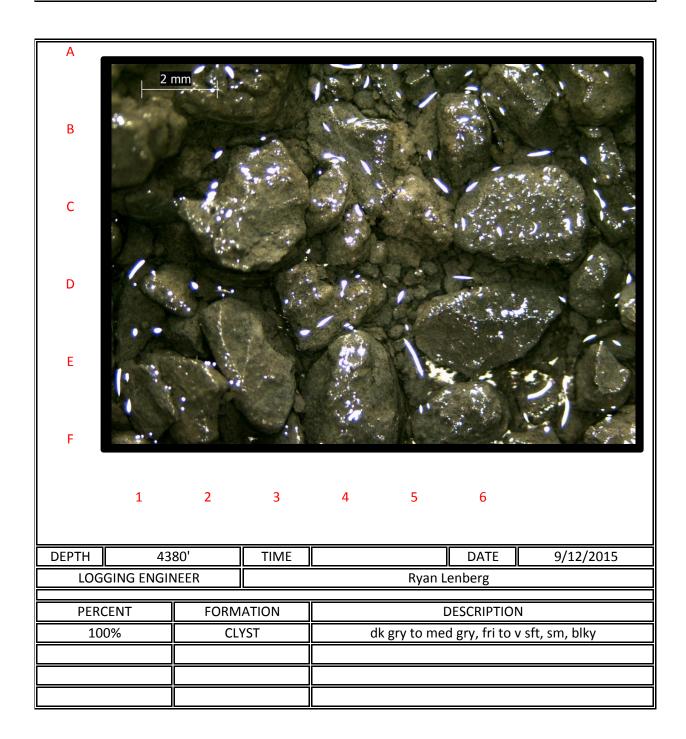


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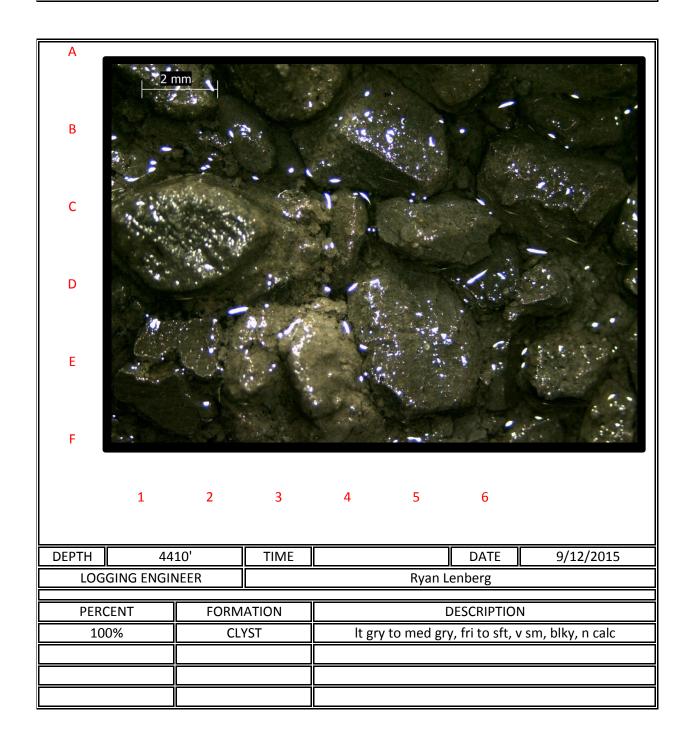


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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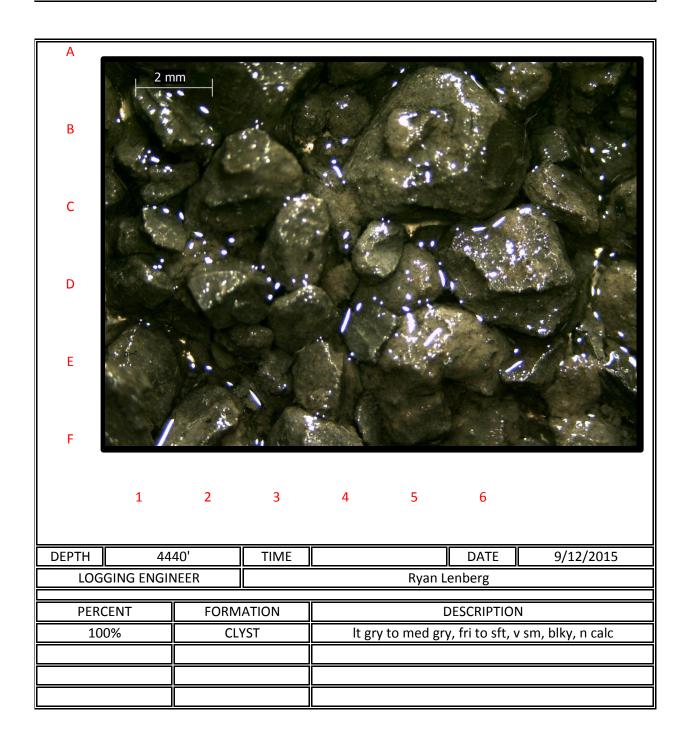


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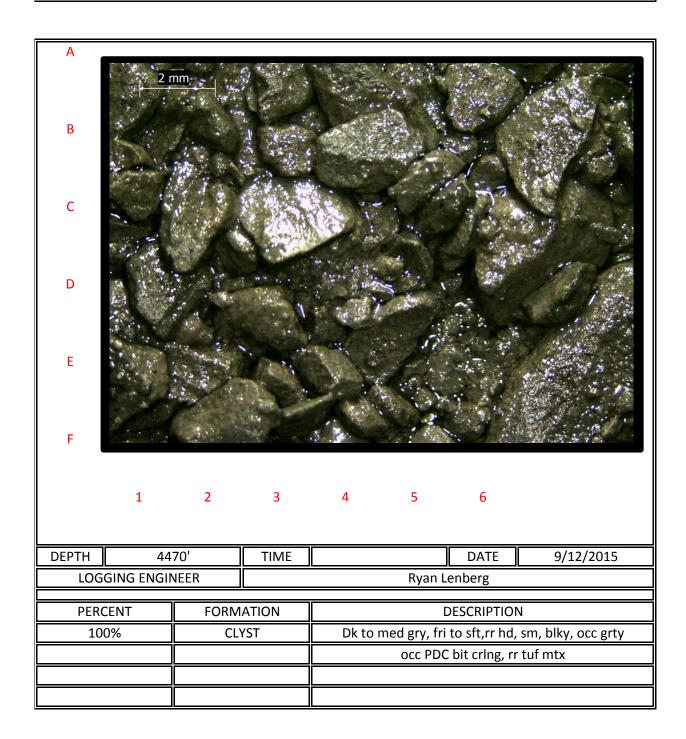


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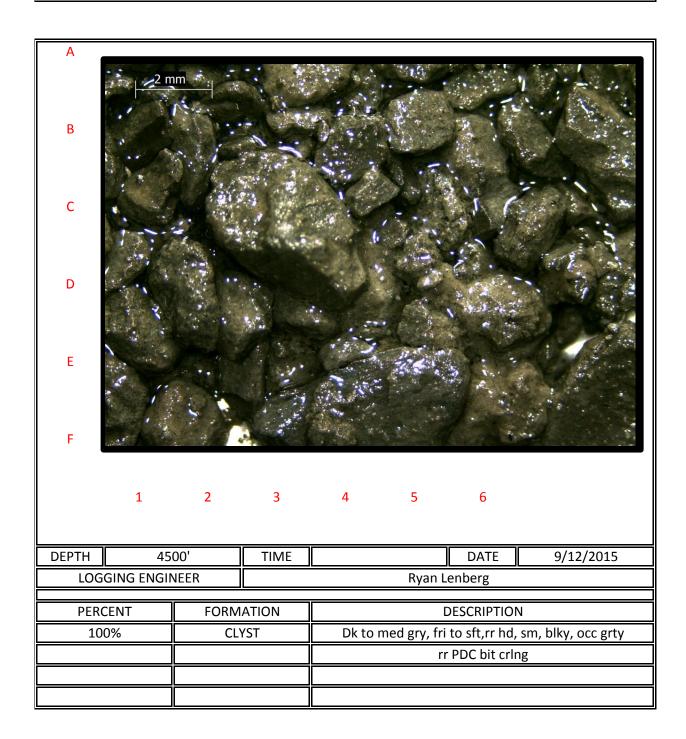


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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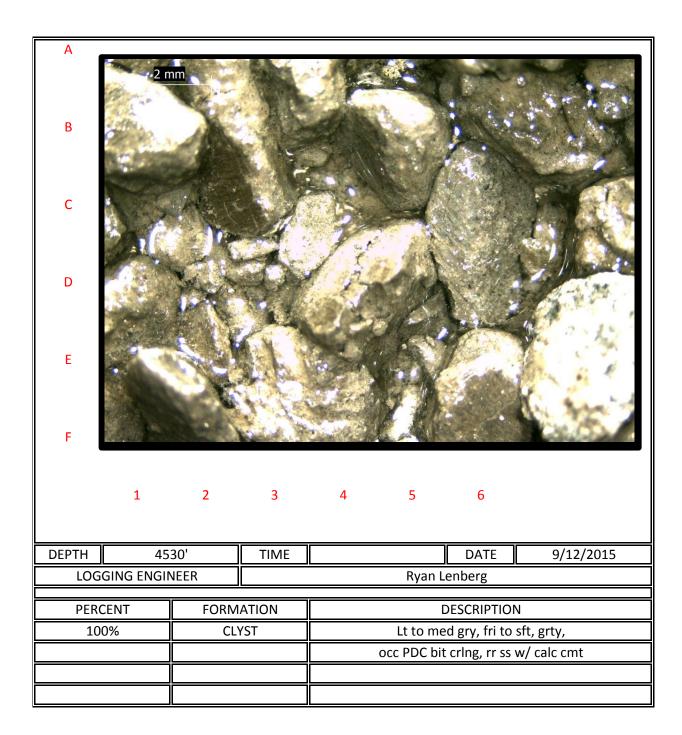


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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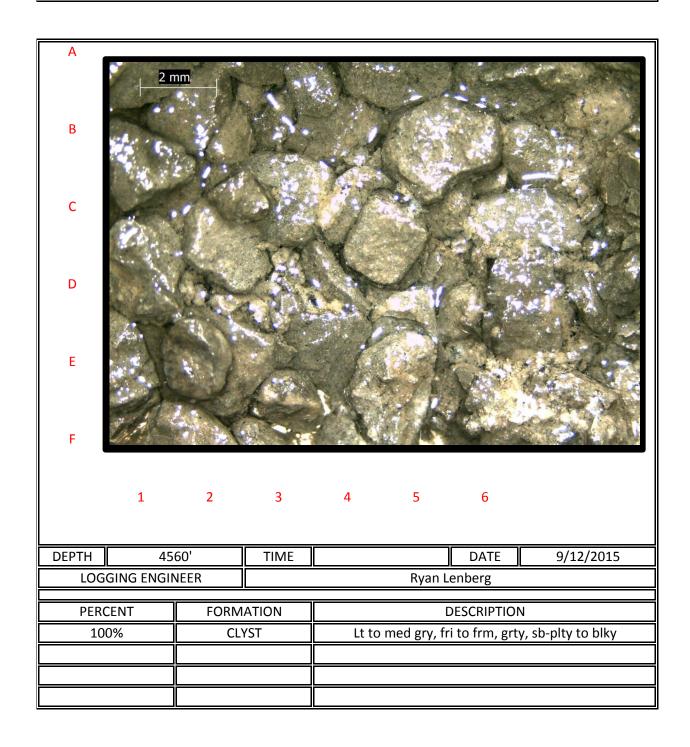


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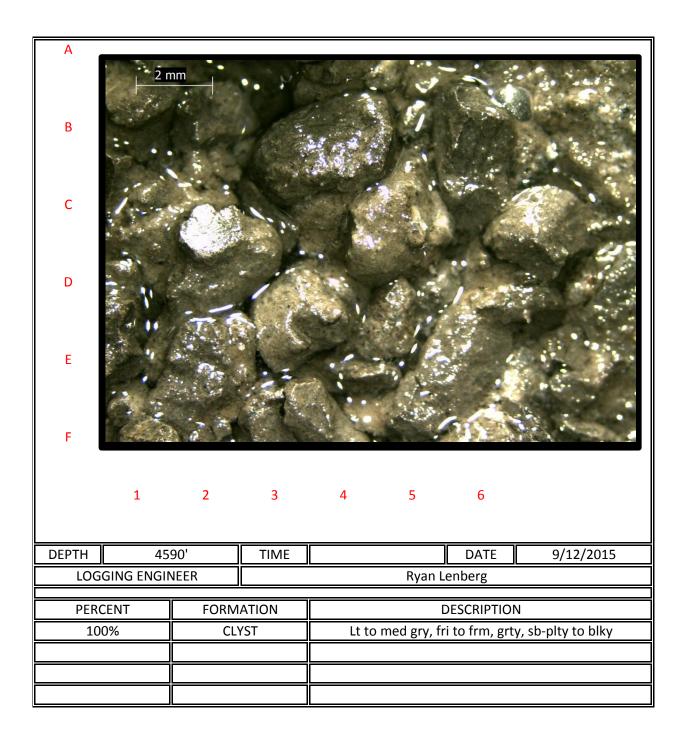


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STATE:	Alaska	API NUMBER:	55-352-00004-00
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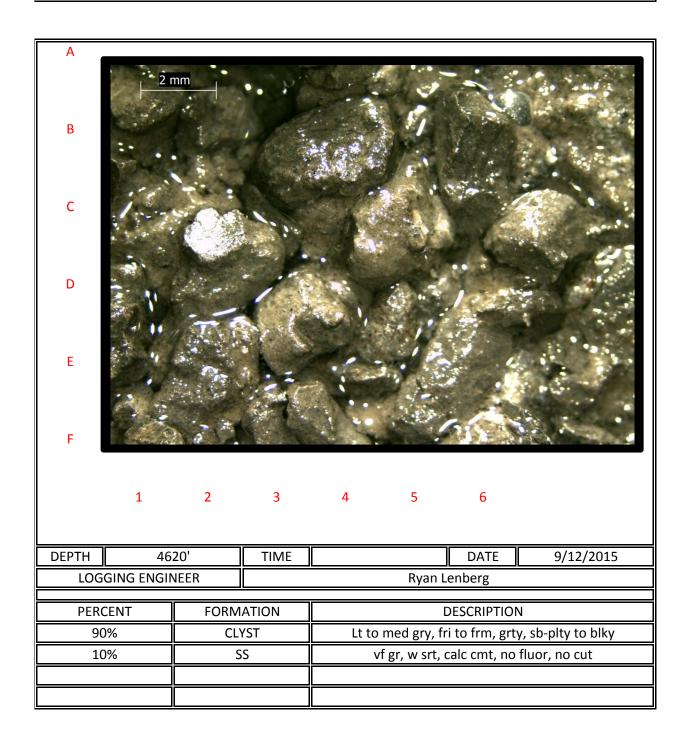


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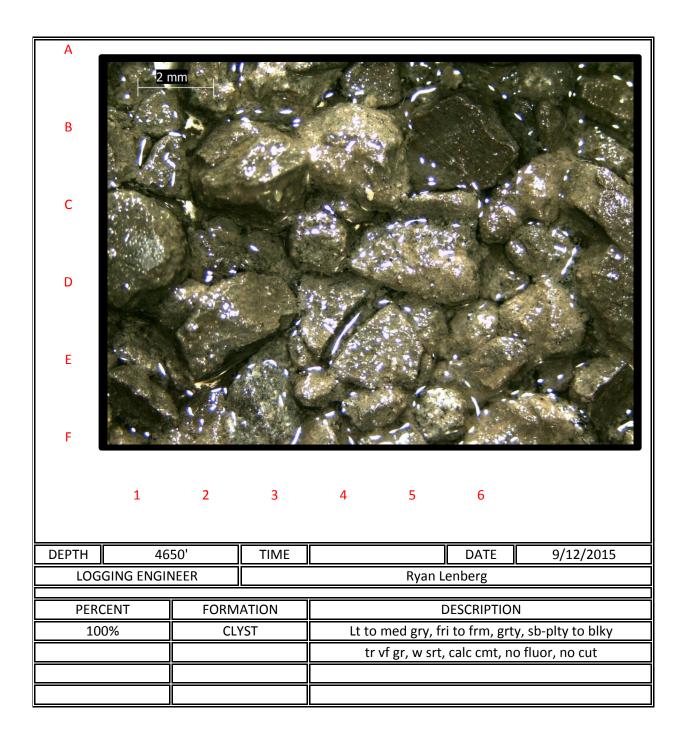


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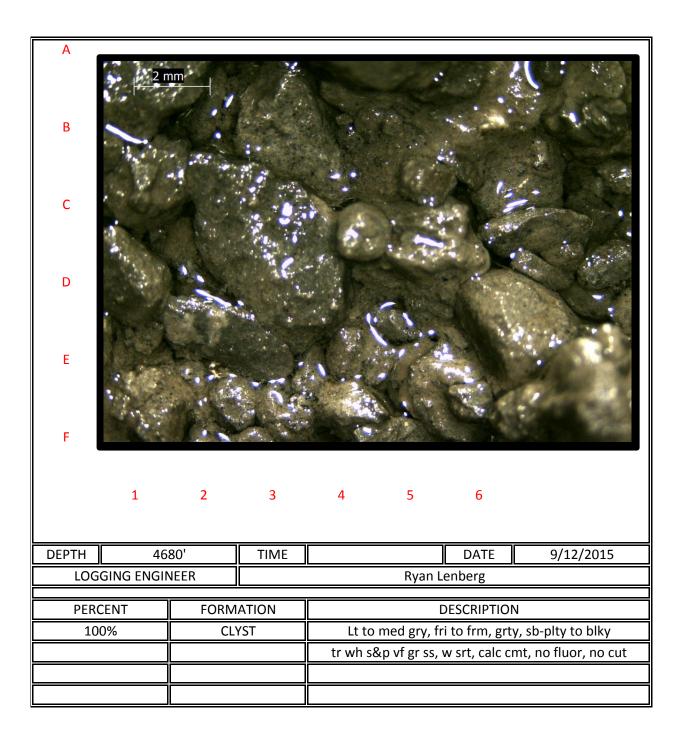


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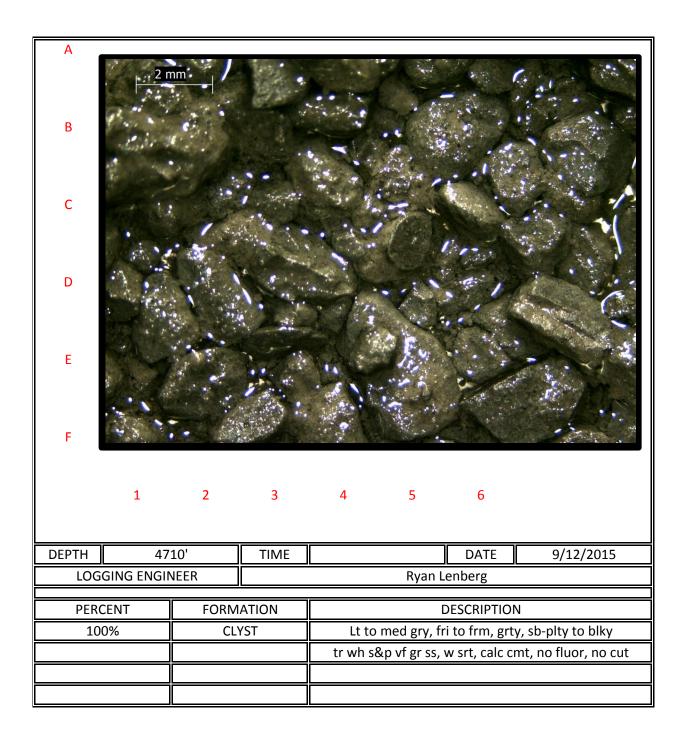


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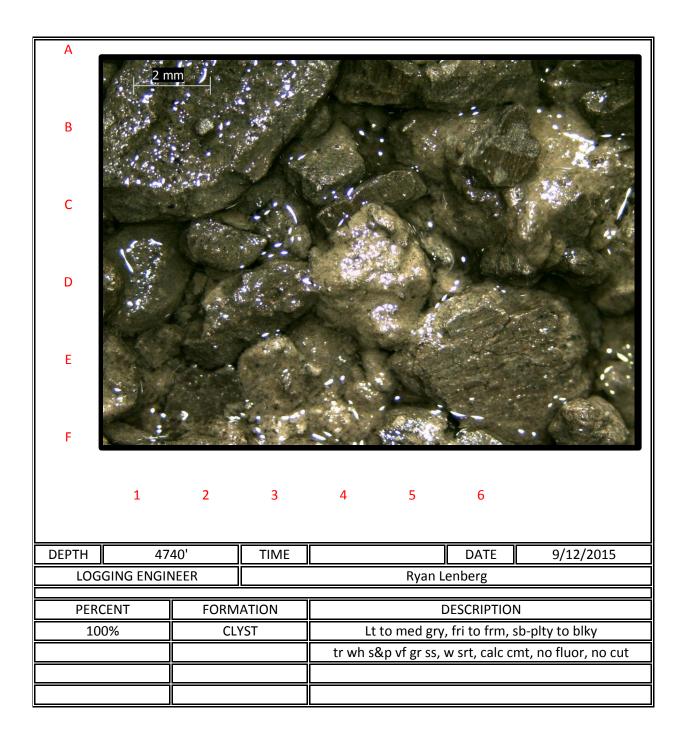


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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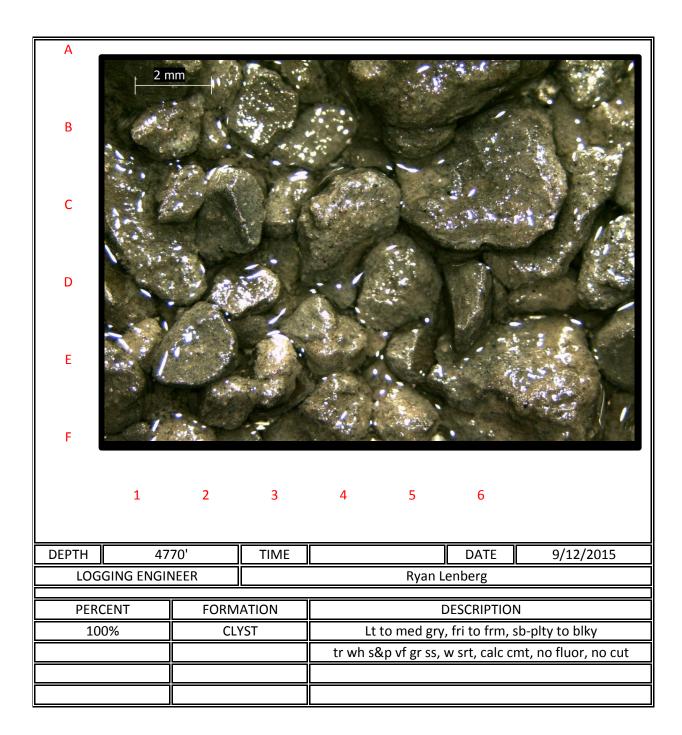


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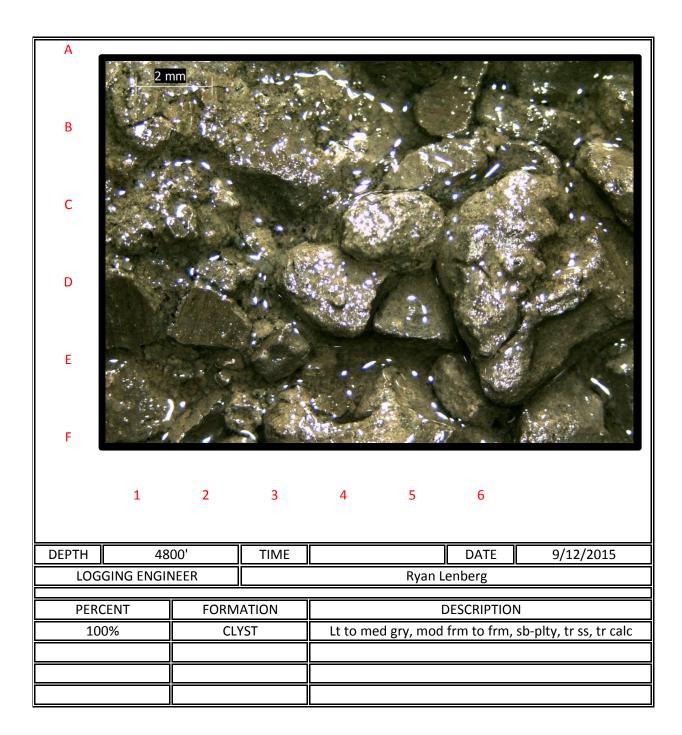


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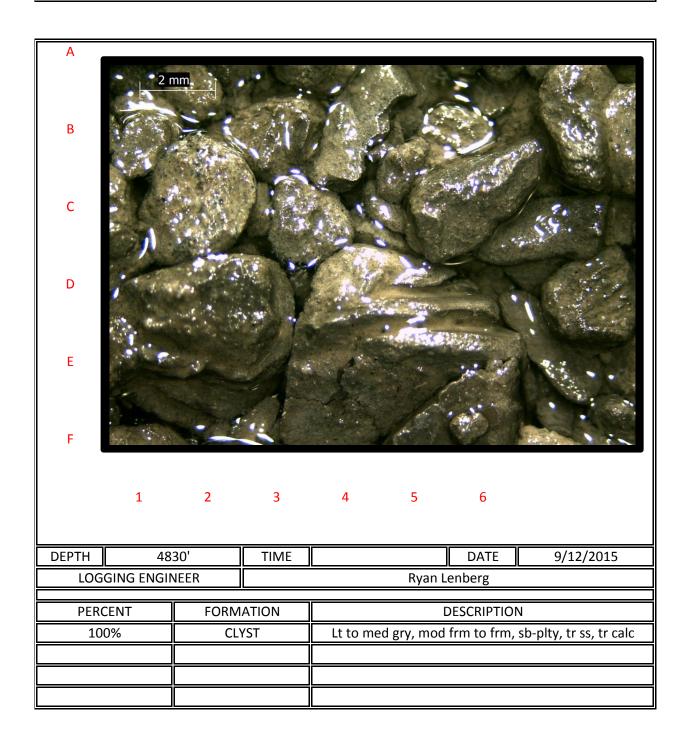


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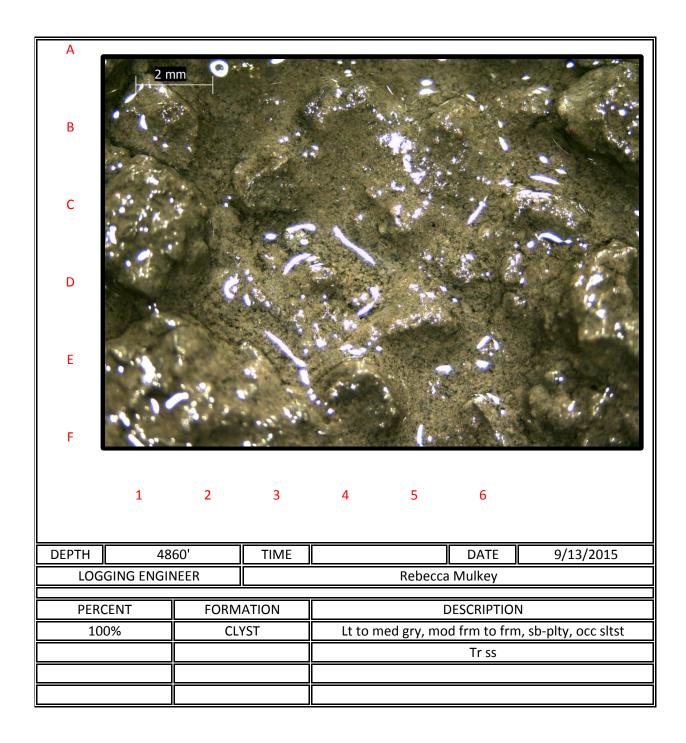


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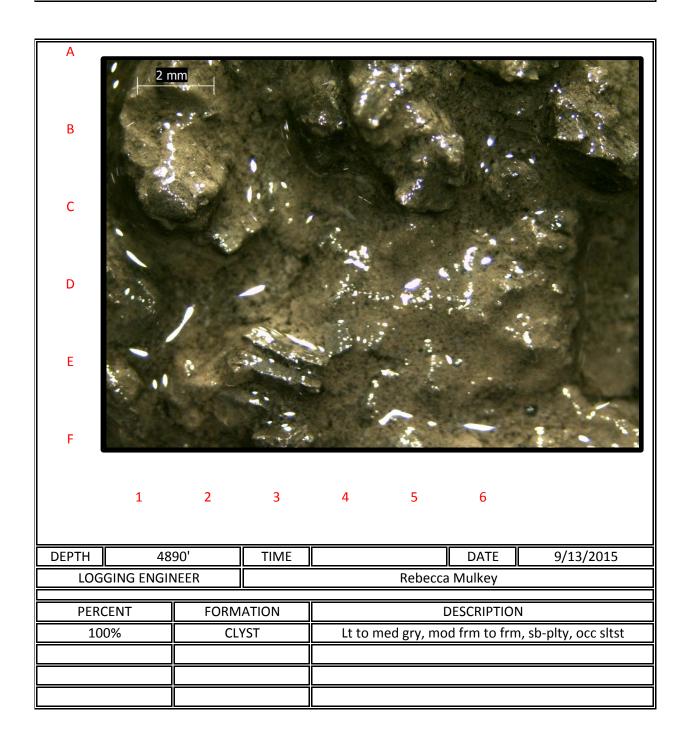


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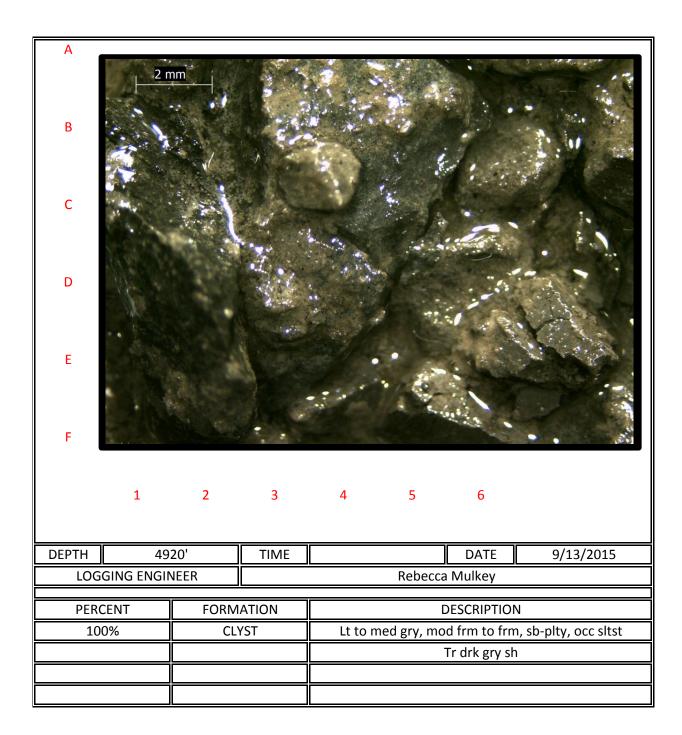


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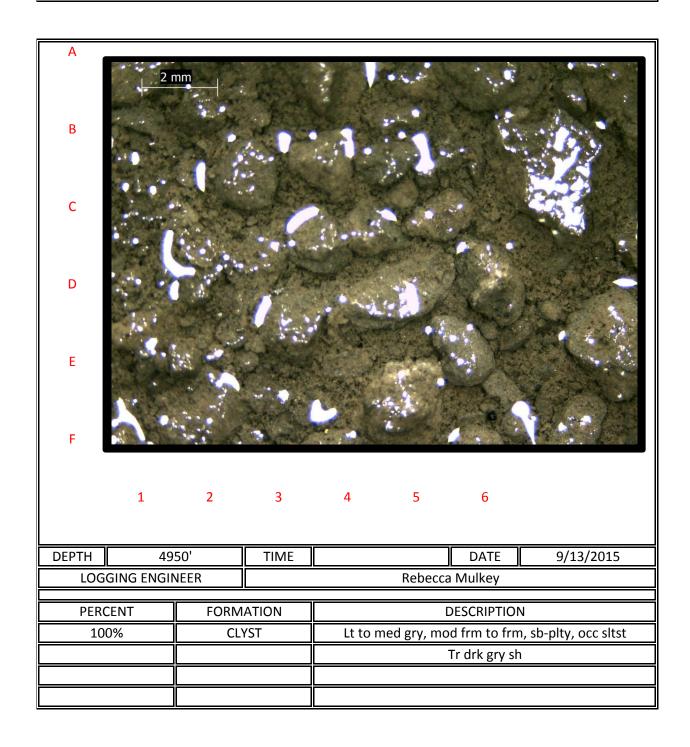


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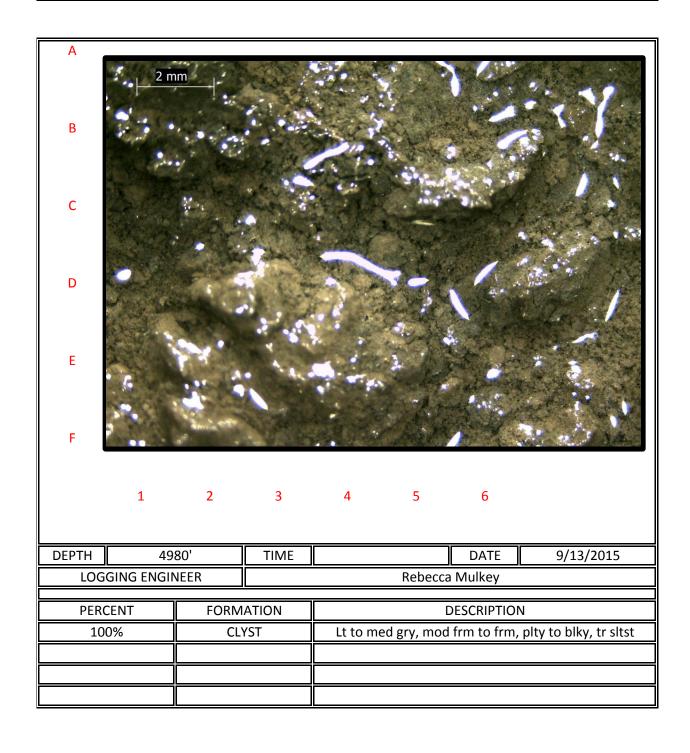


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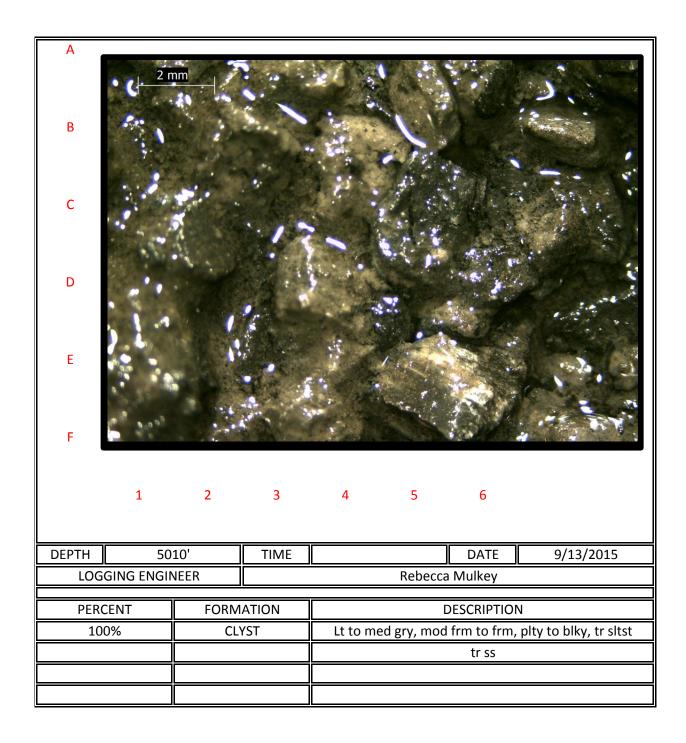


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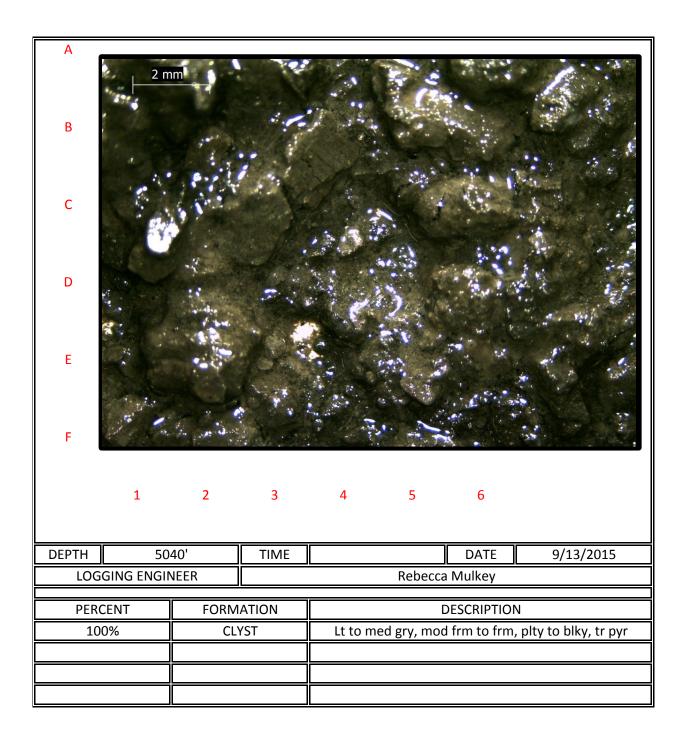


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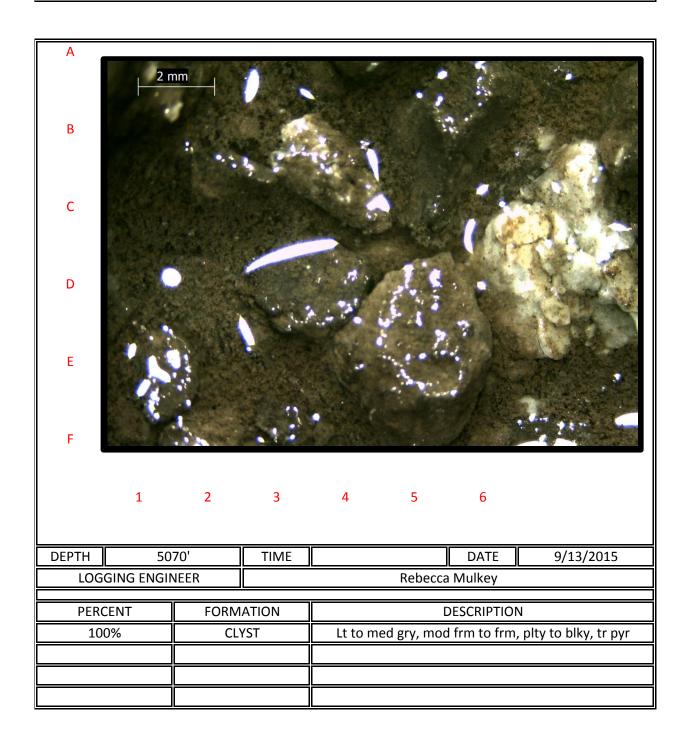


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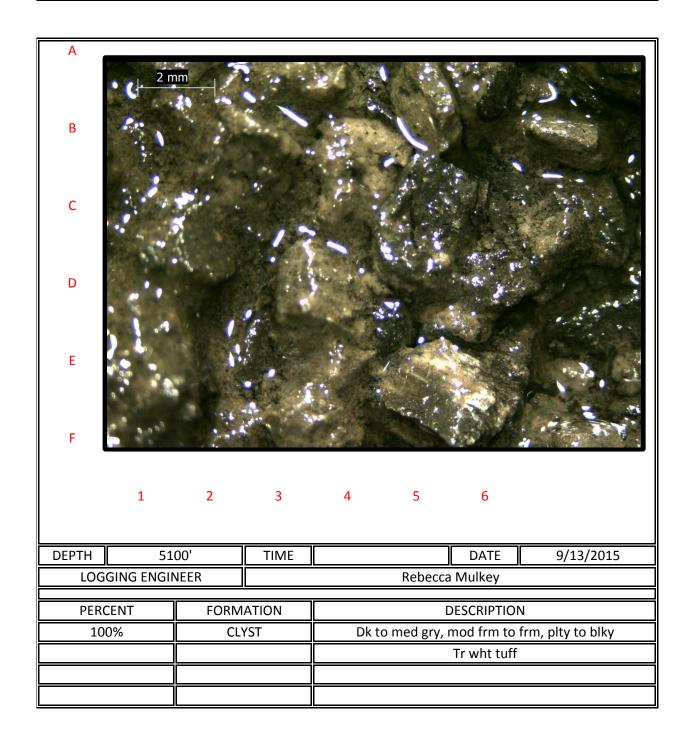


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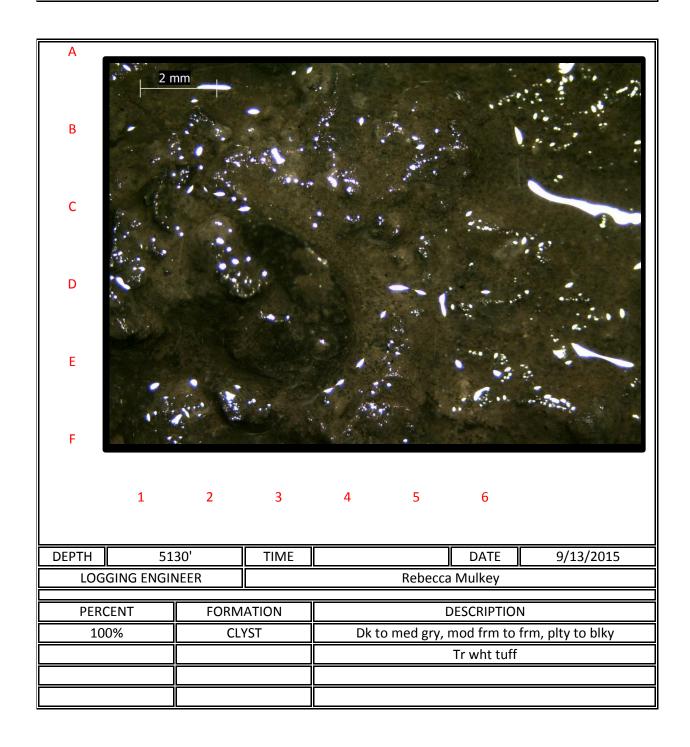


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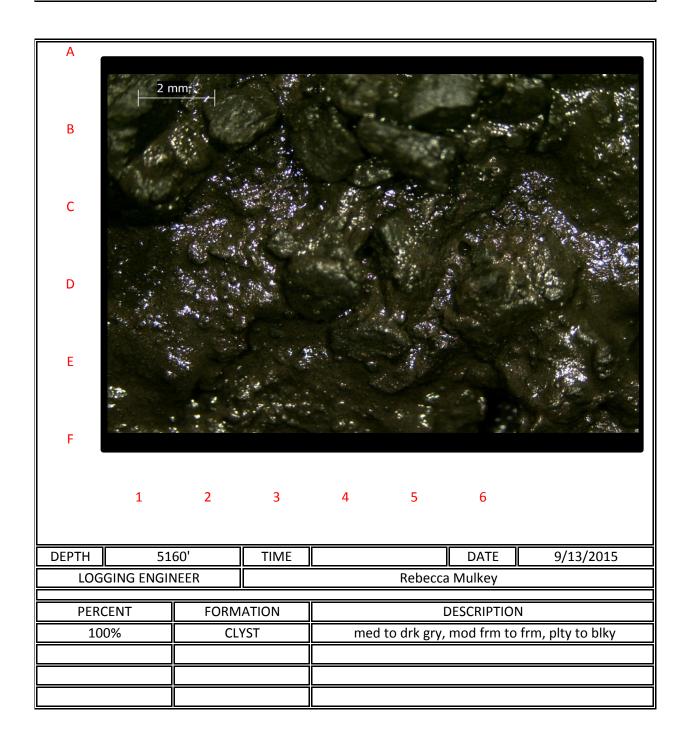


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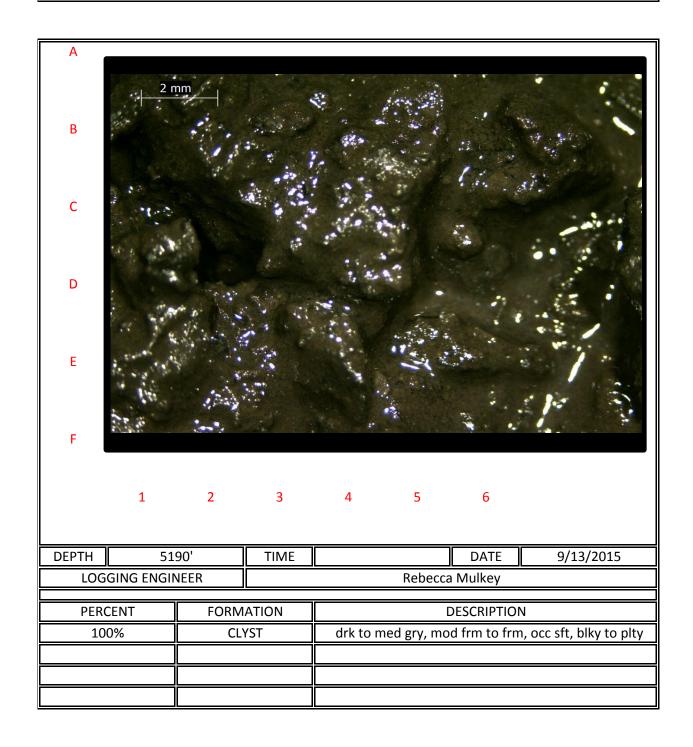


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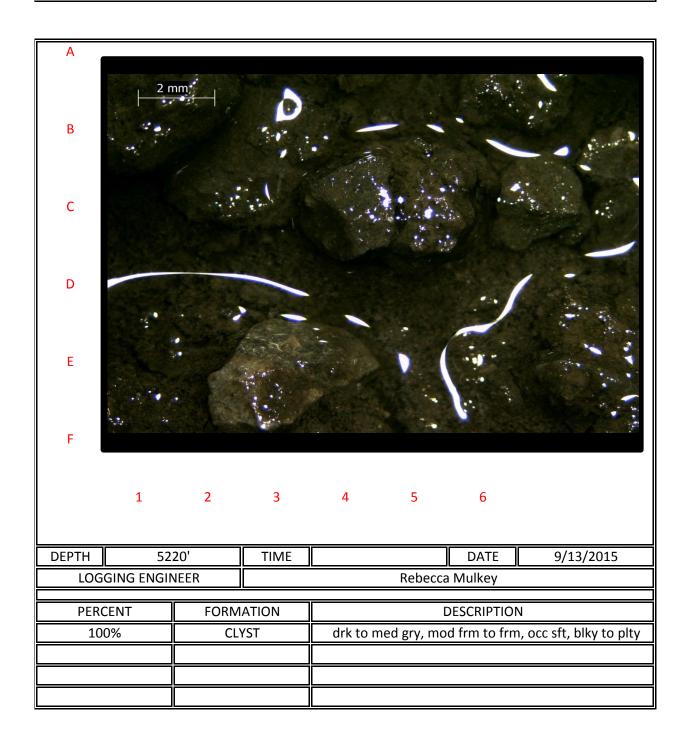


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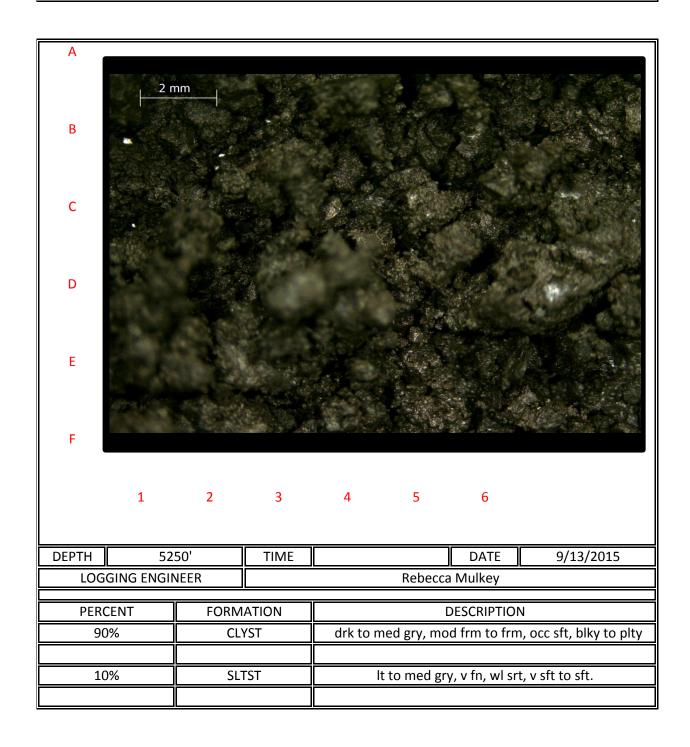


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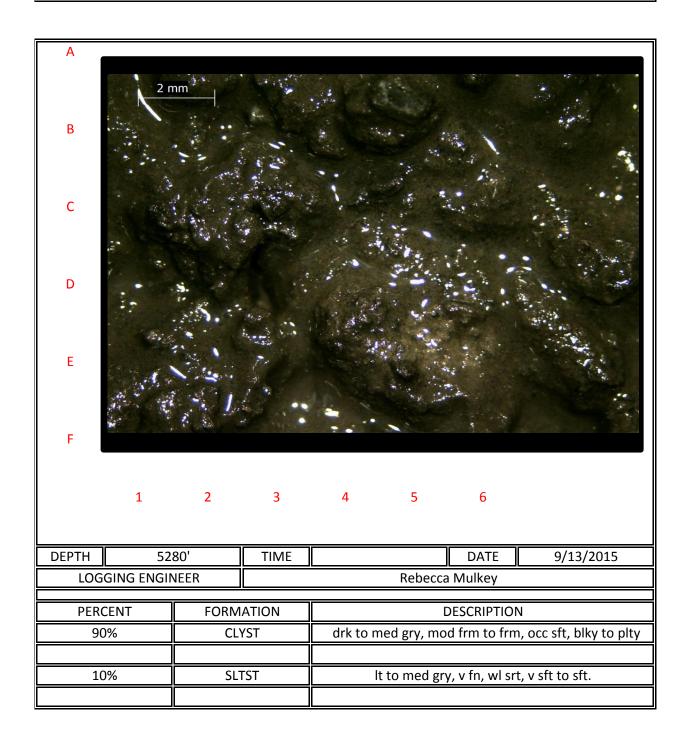


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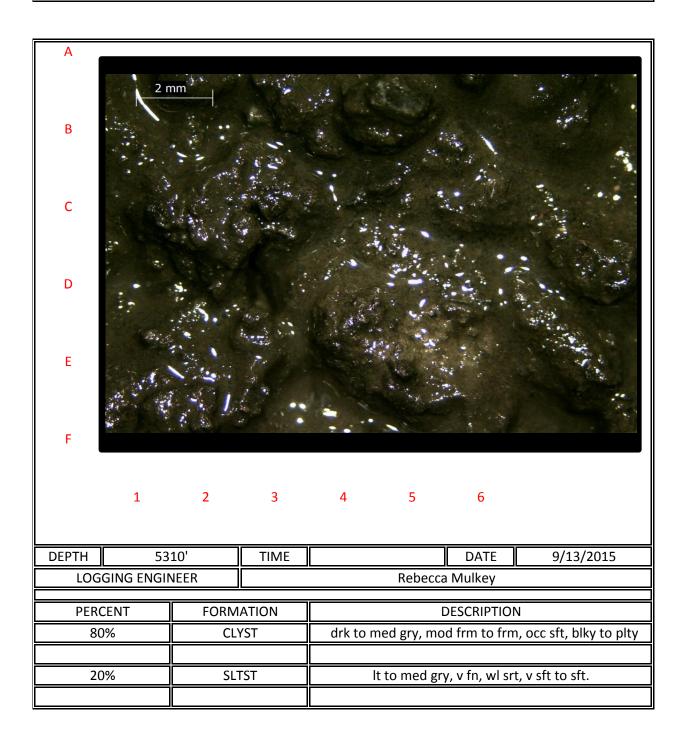


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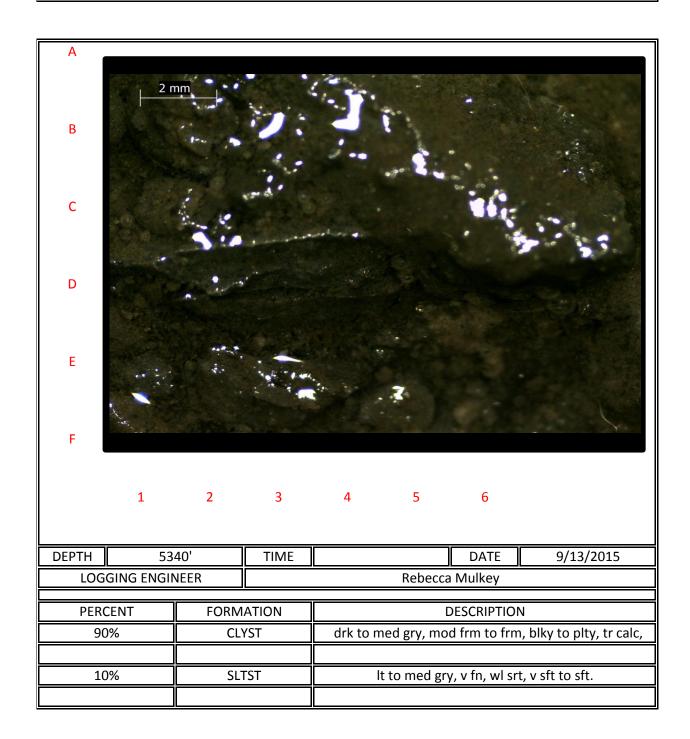


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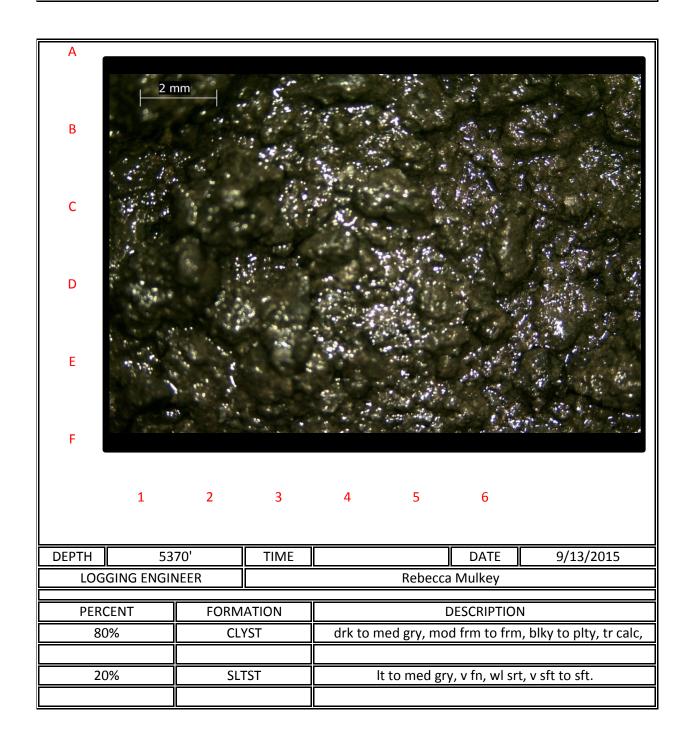


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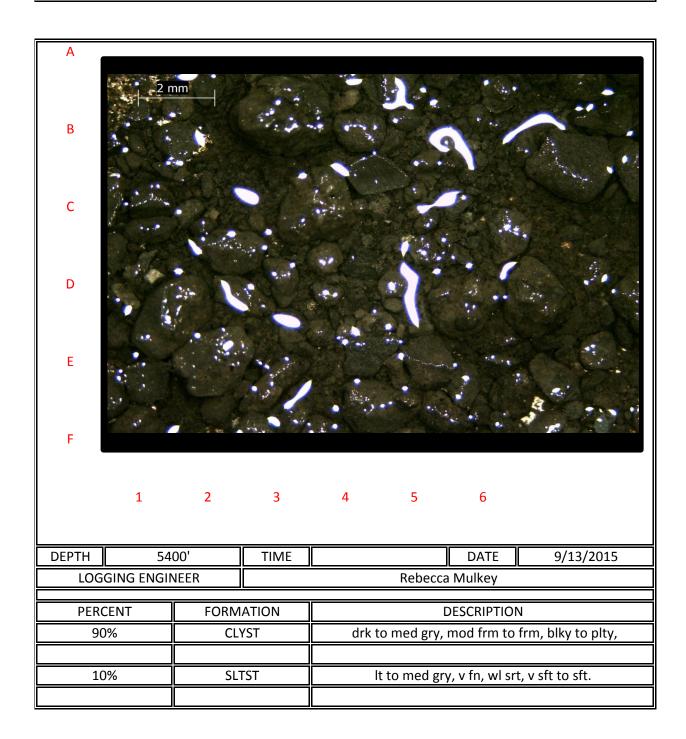


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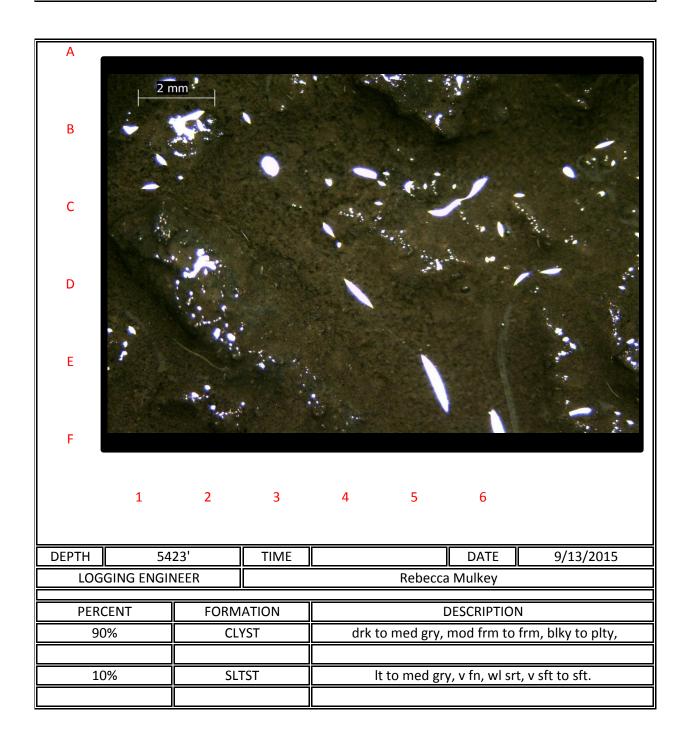


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COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
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RSO NUMBER:		WBS / AFE NUMBER:	30230984



HALLIBURTON

Sperry Drilling

Cuttings Report

Shell Offshore Inc.
OCS Y-2321 #001
Burger J
Posey Block 6912
API No. 55-352-00004-00

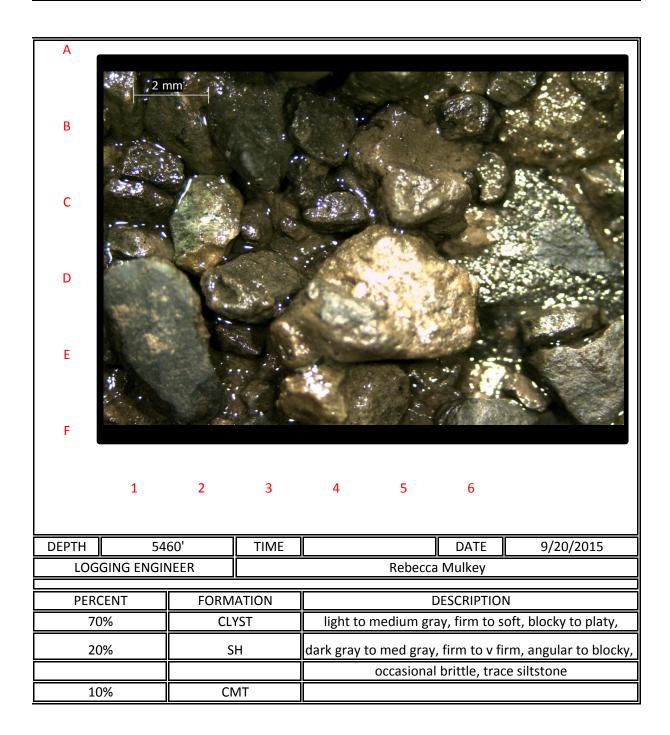
RIG: Polar Pioneer

SDL Personnel:

Craig Amos— Unit Manager Rebecca Mulkey, Eli Callan— Logging Specialists

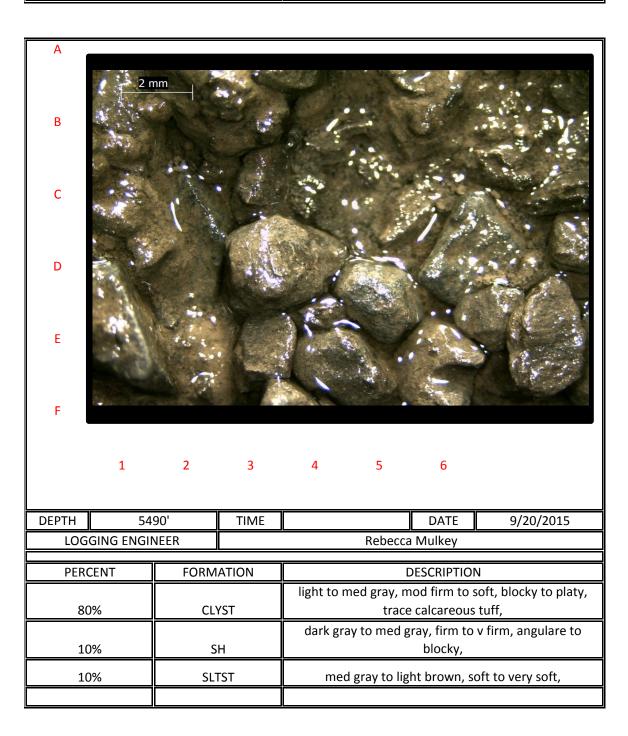


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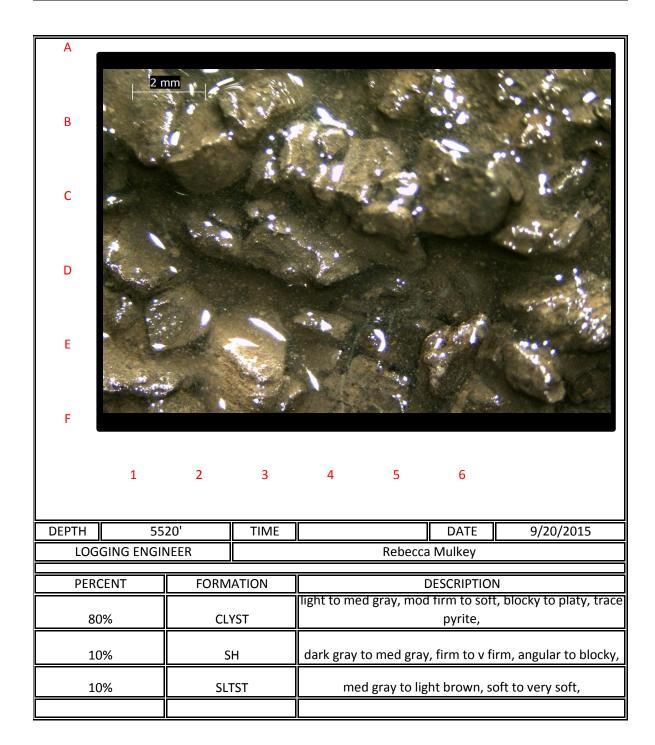


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RSO NUMBER:	_	WBS / AFE NUMBER:	30230984



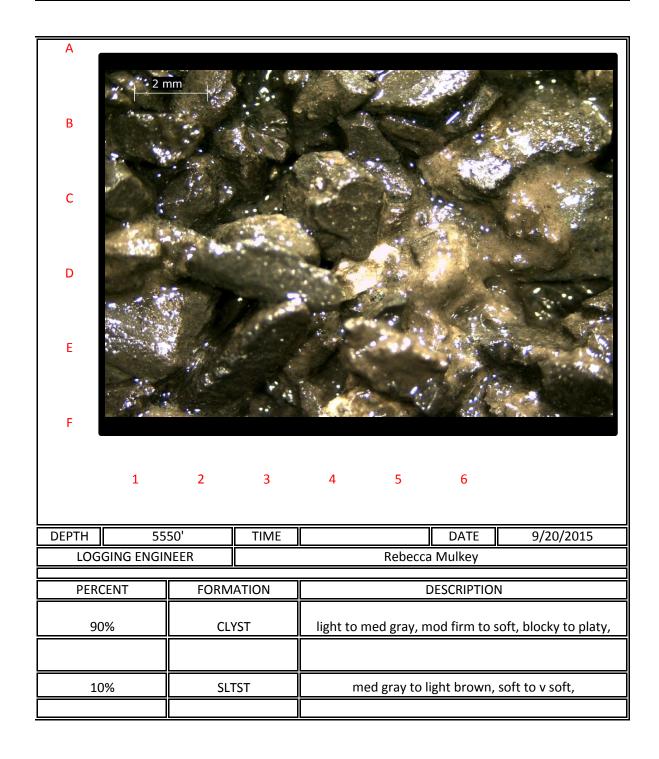


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



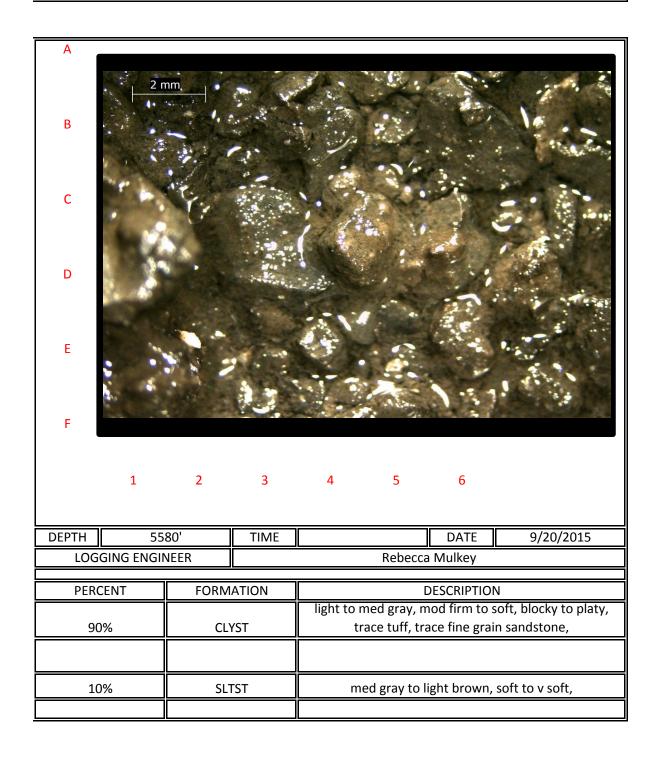


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



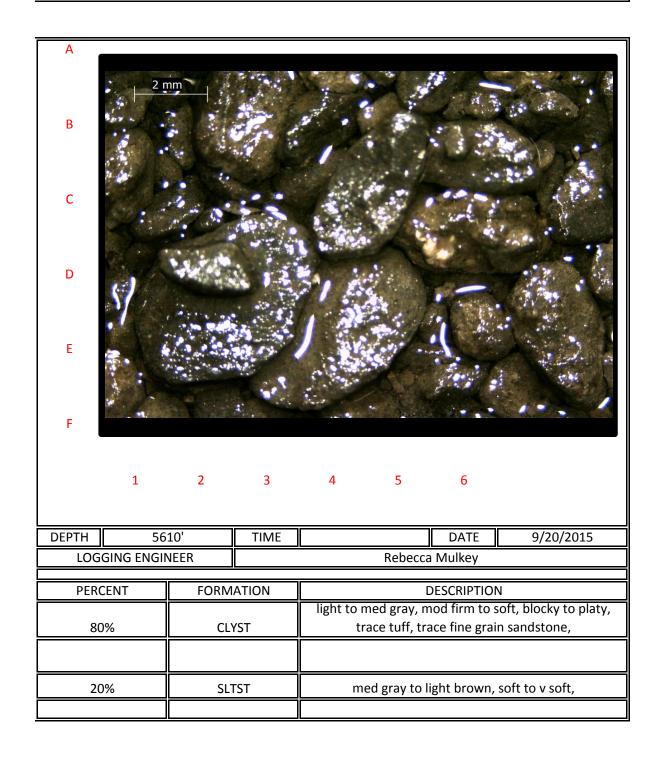


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984



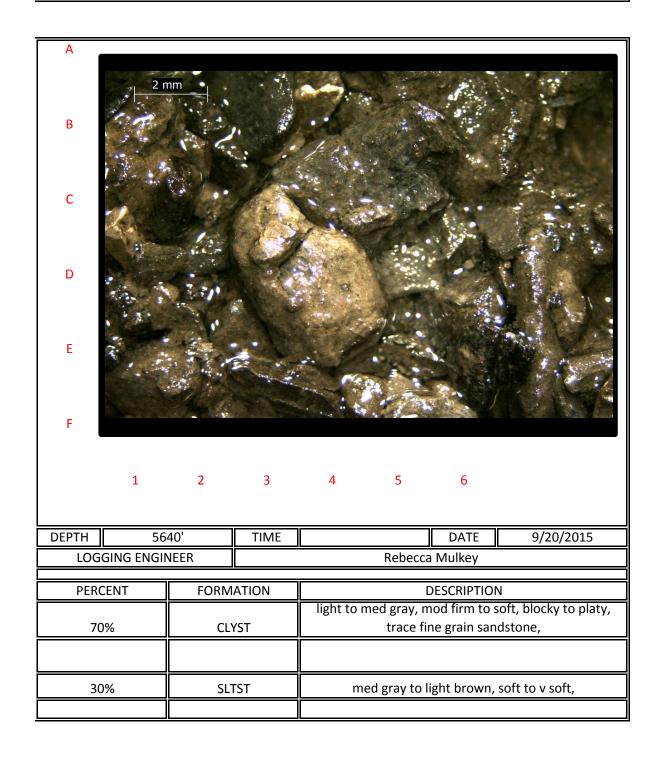


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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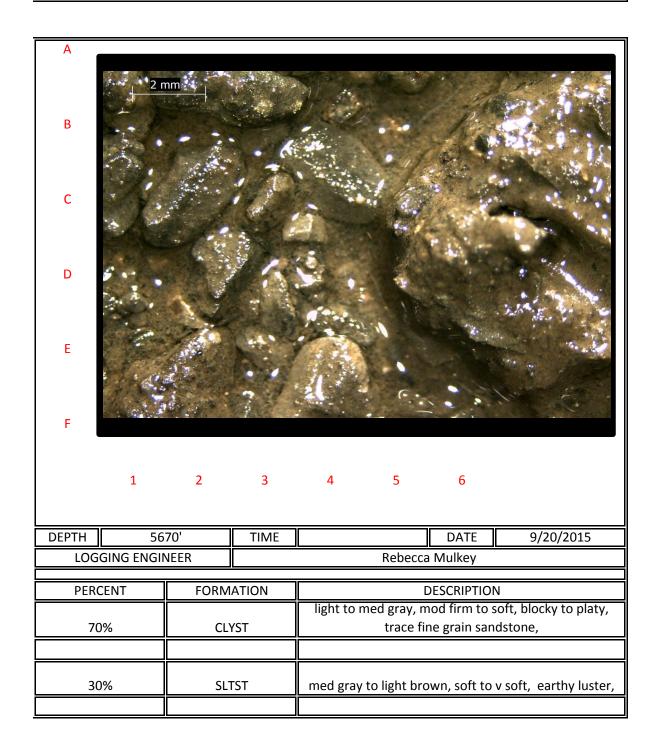


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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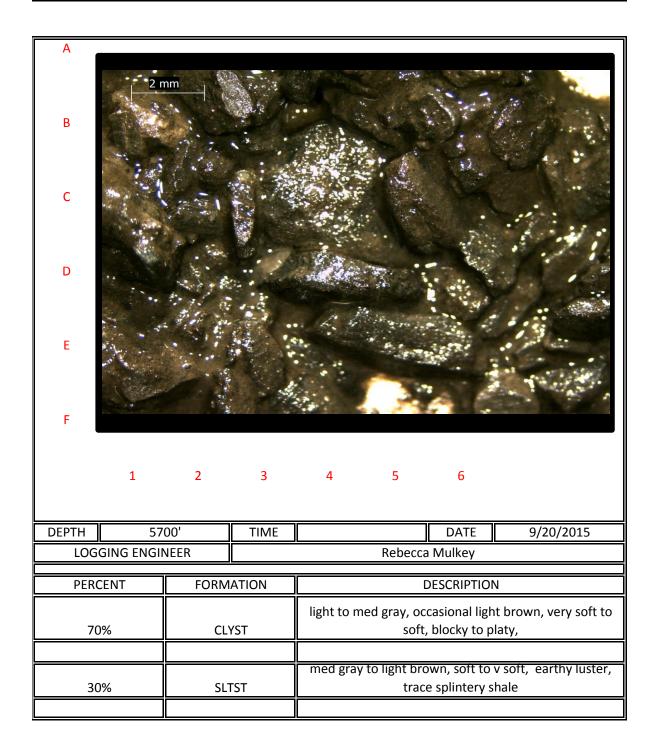


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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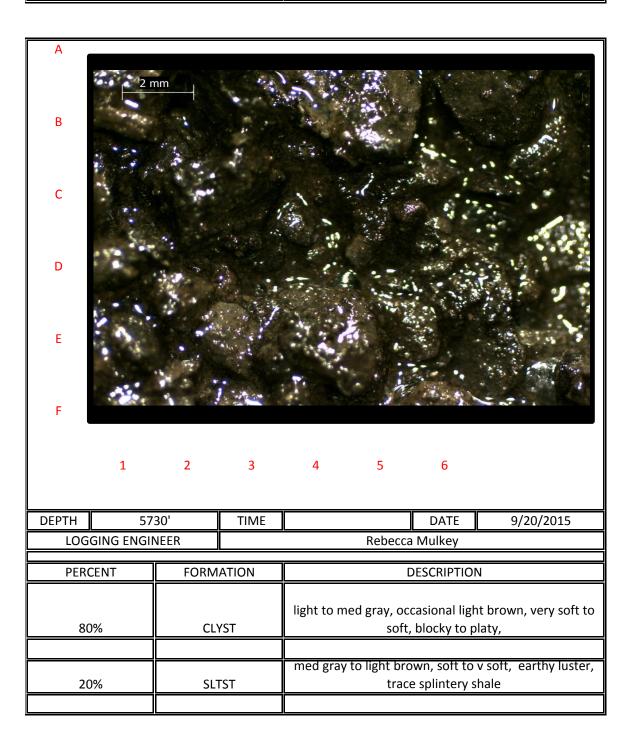


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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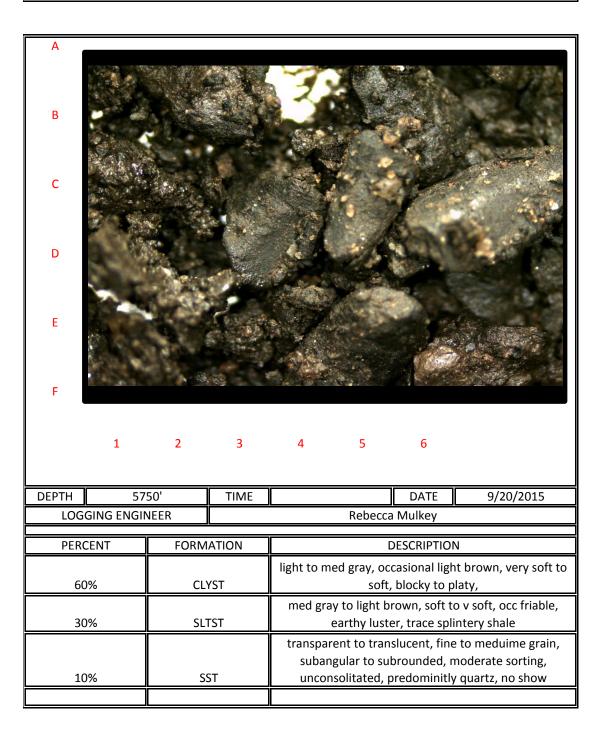


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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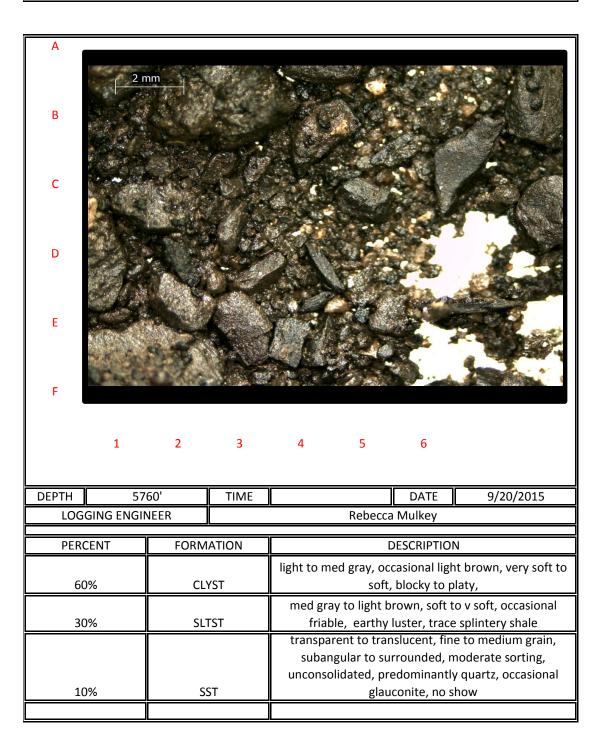


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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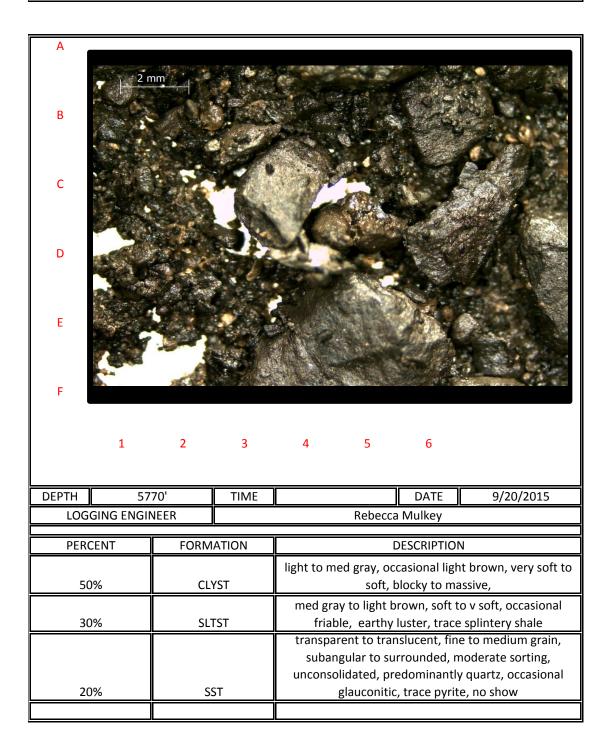


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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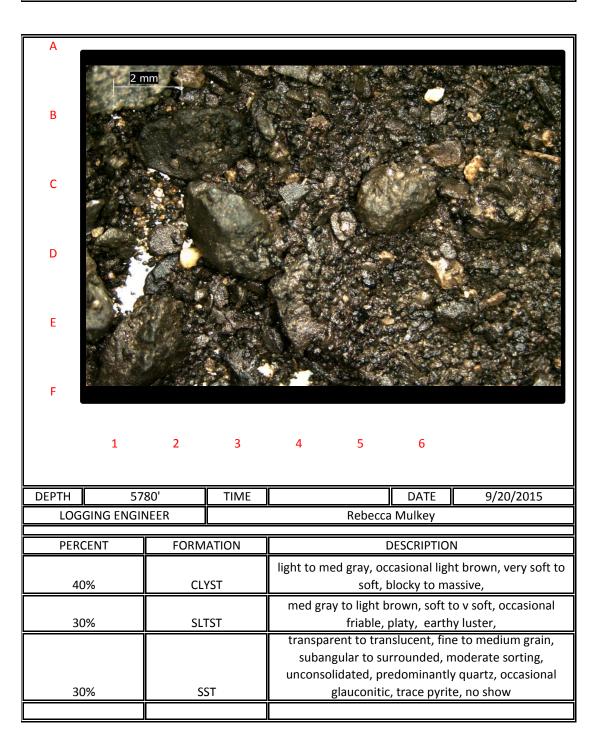


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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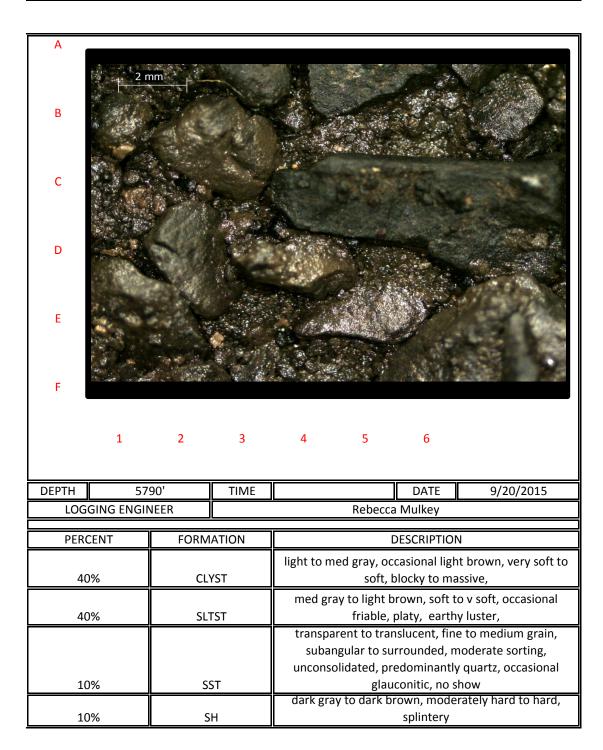


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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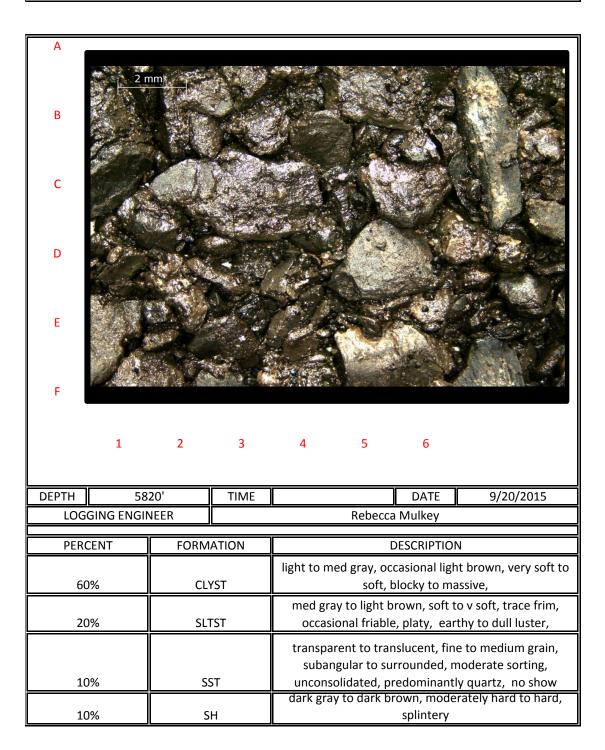


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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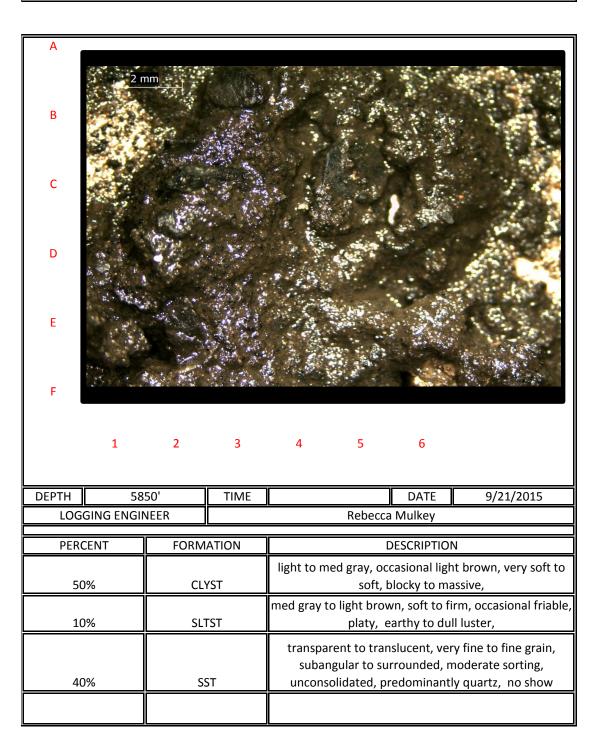


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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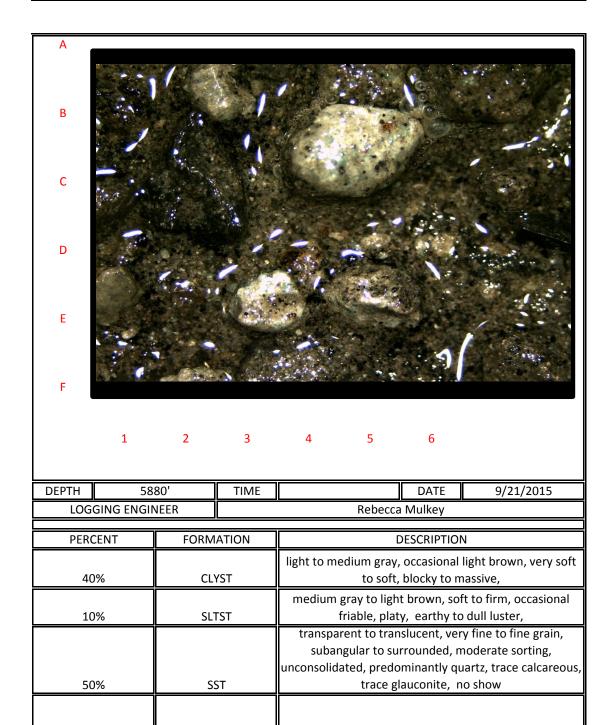


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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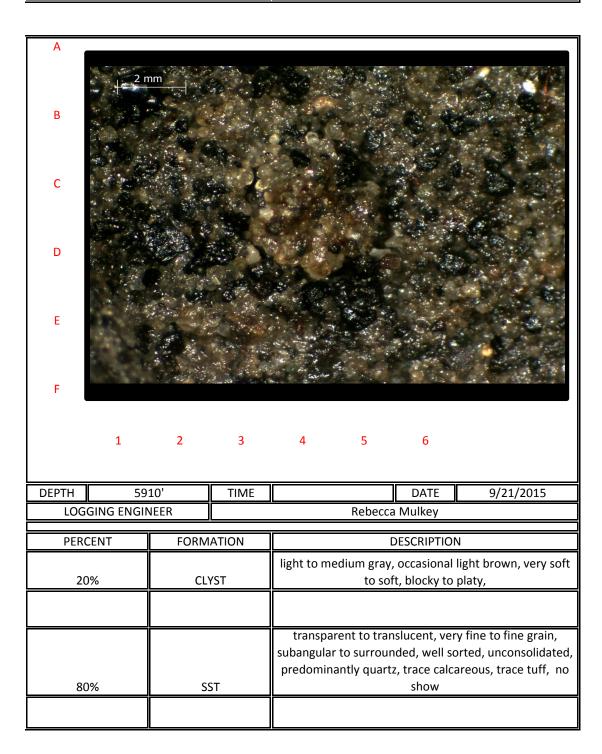


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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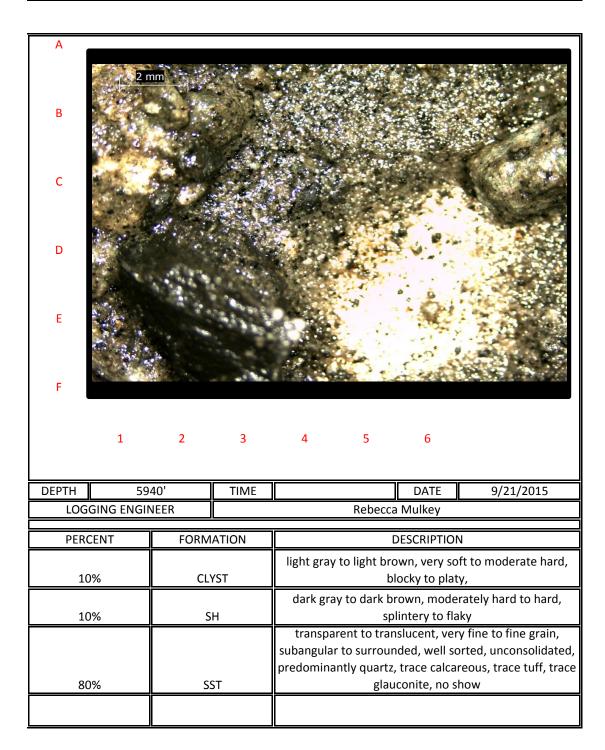


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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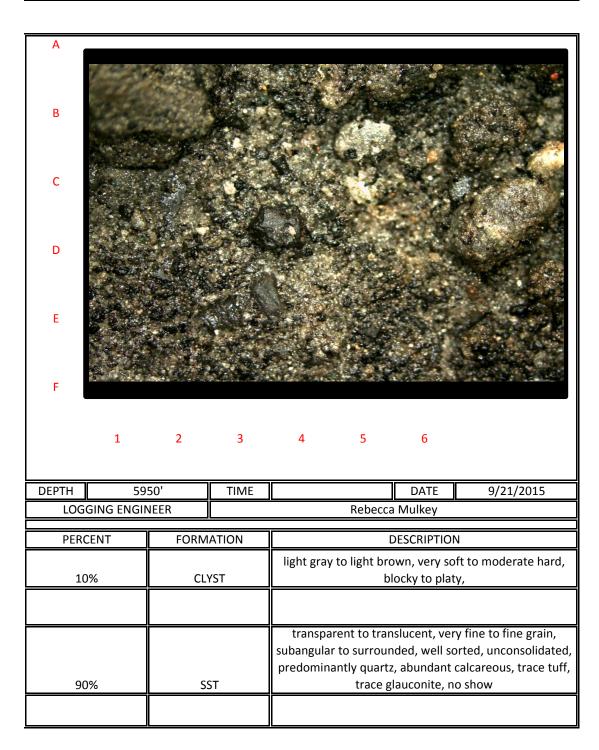


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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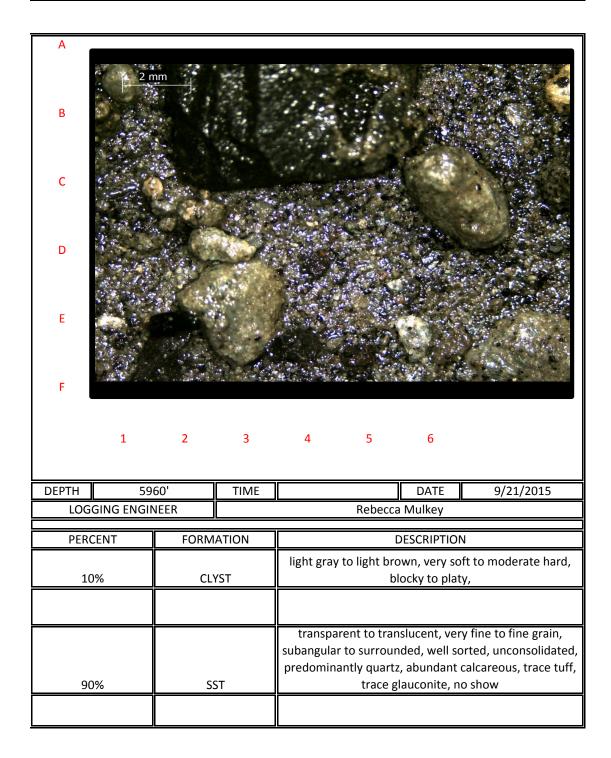




COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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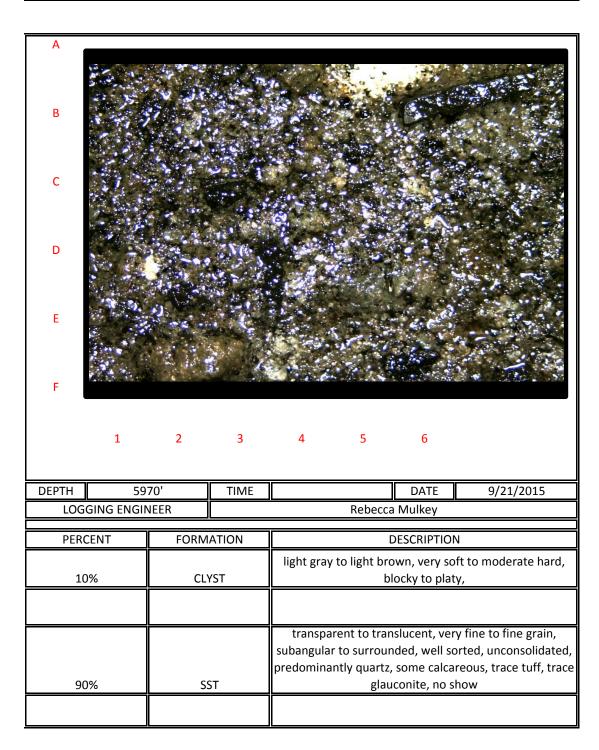


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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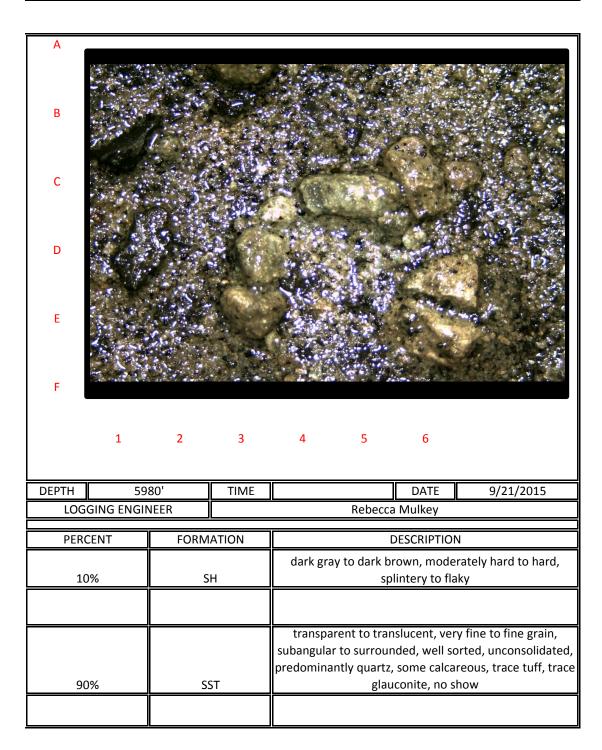


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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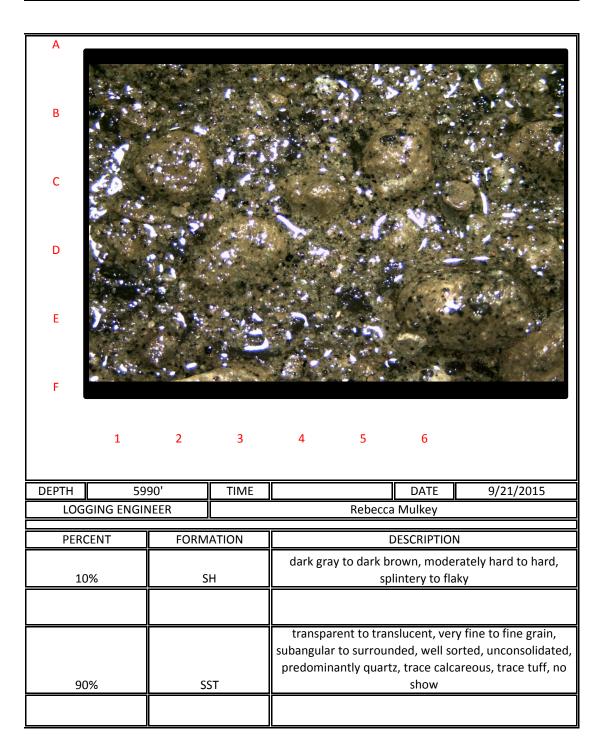


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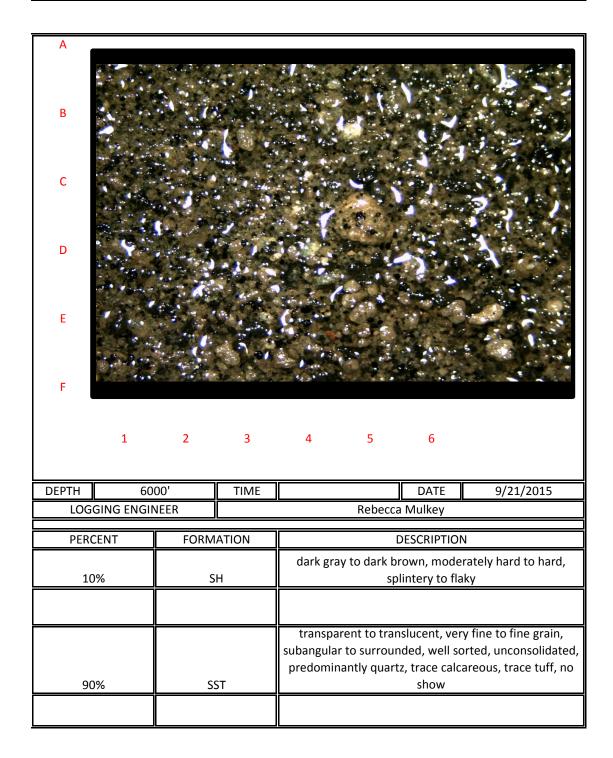


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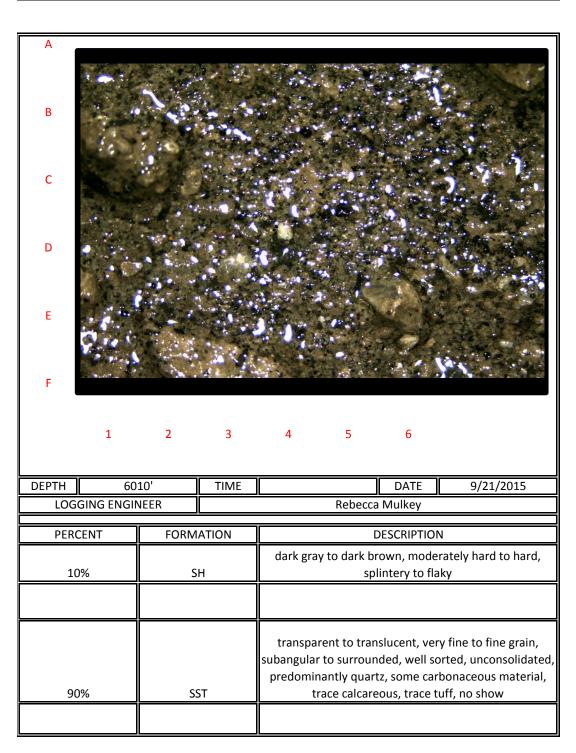


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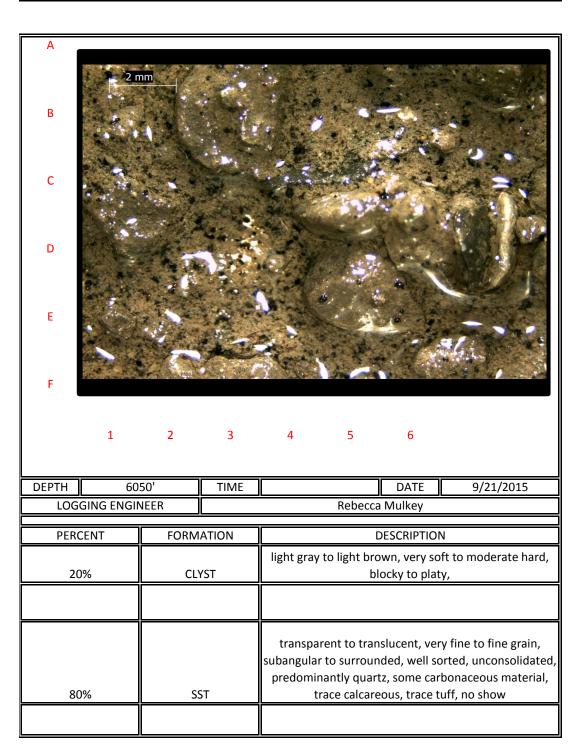


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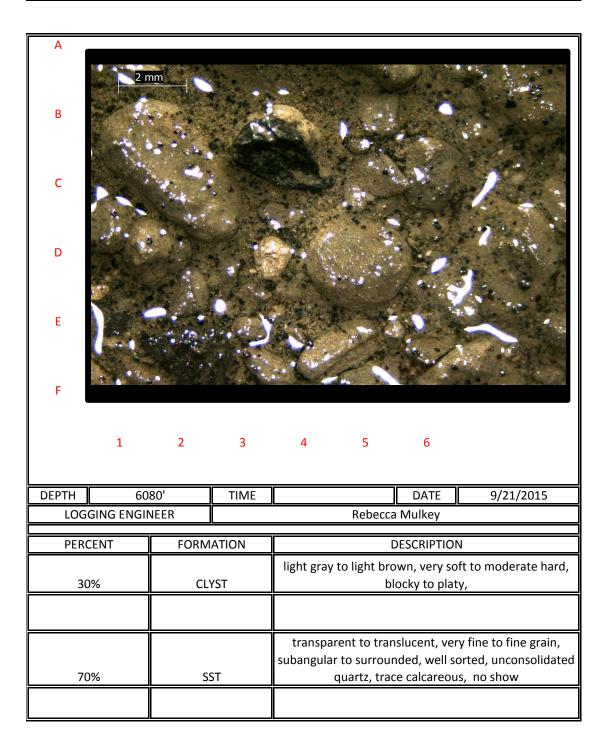


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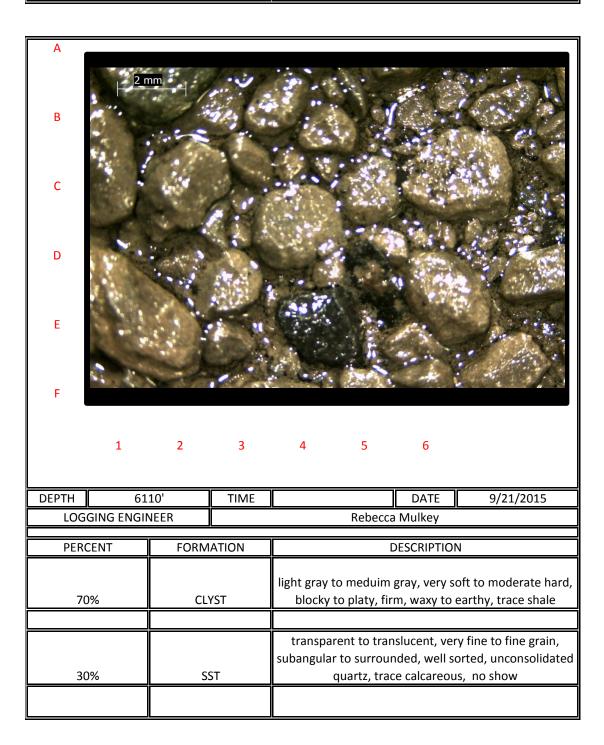


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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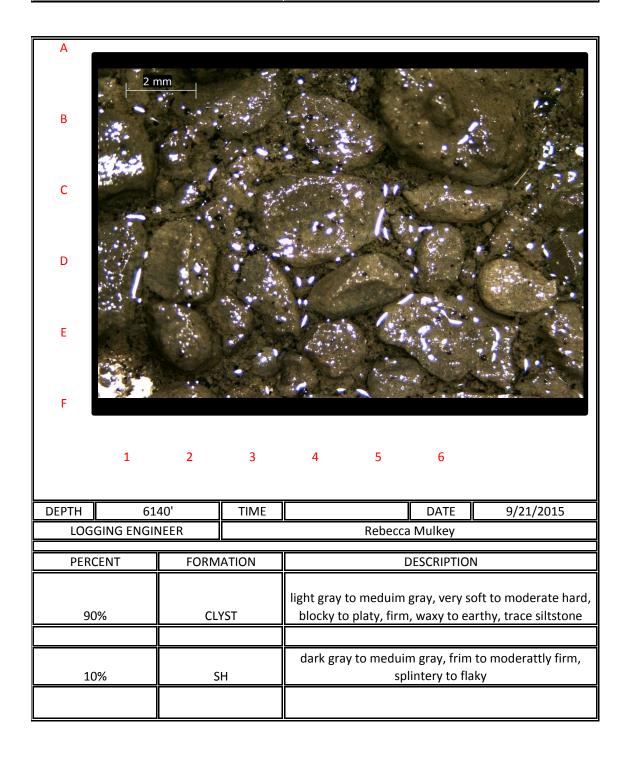


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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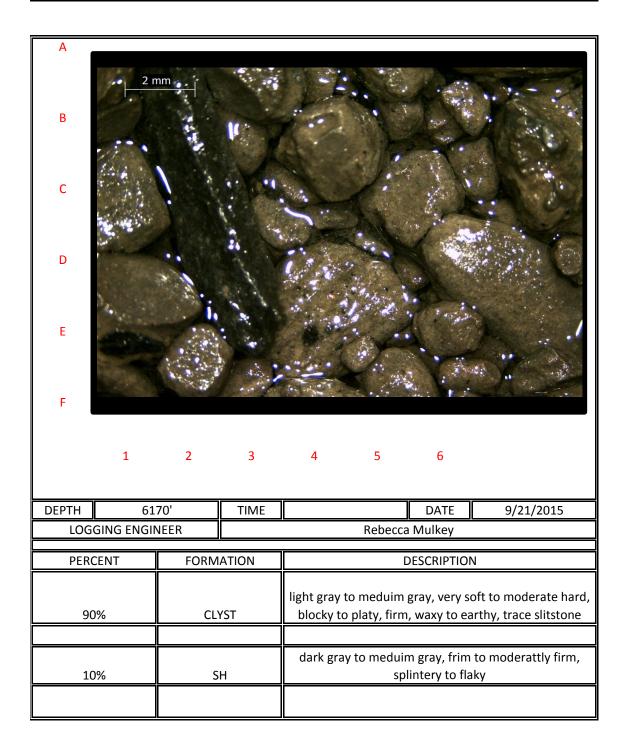


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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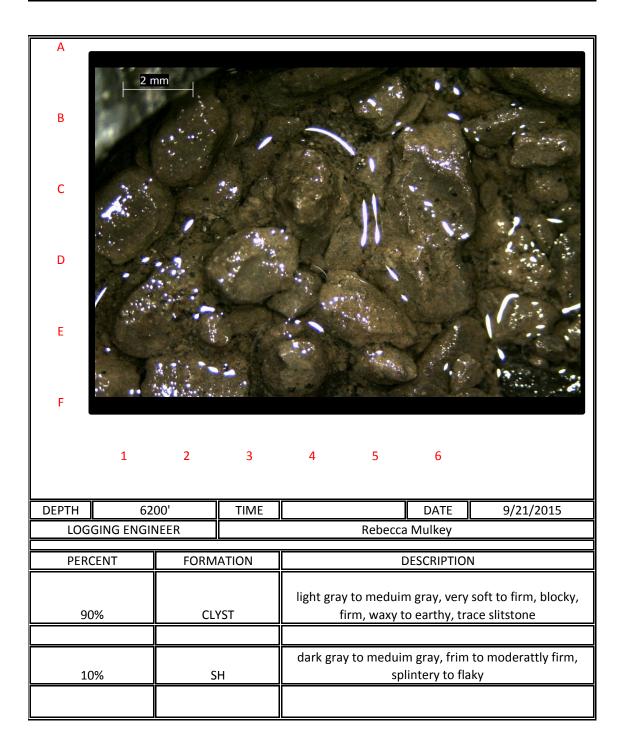


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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STATE:	Alaska	API NUMBER:	55-352-00004-00
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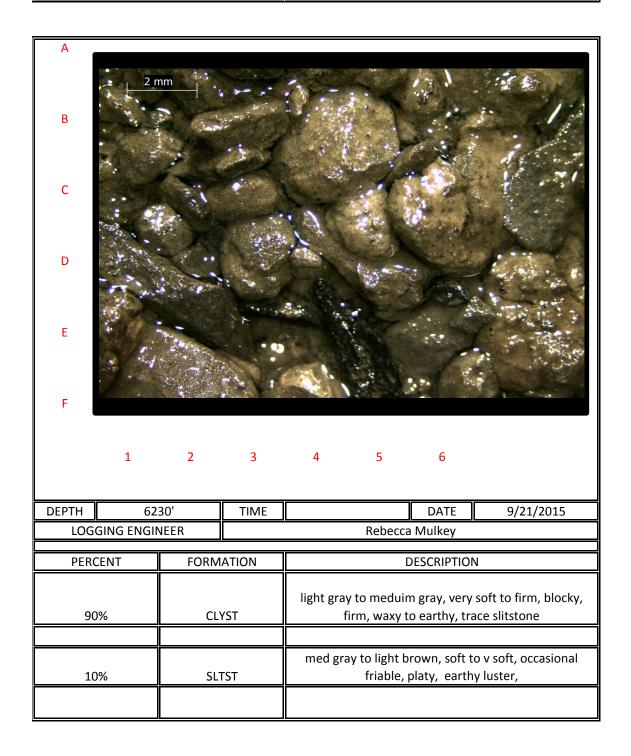


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
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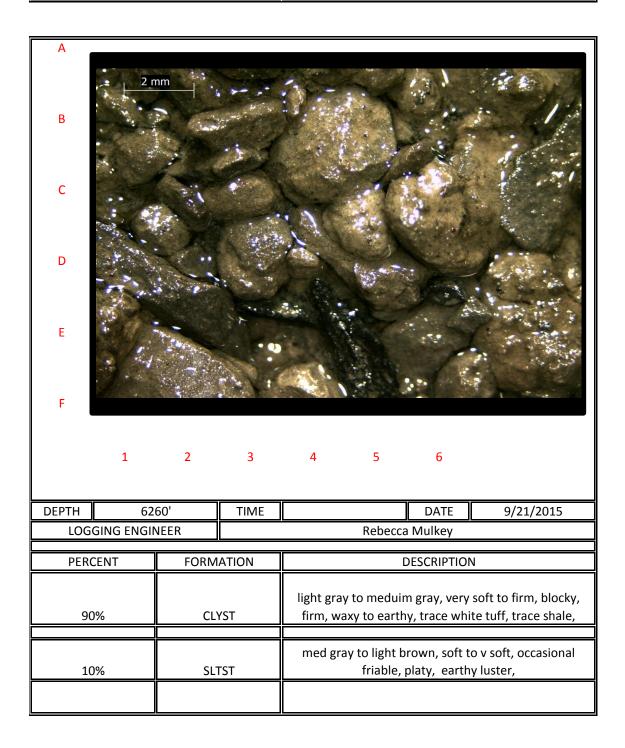


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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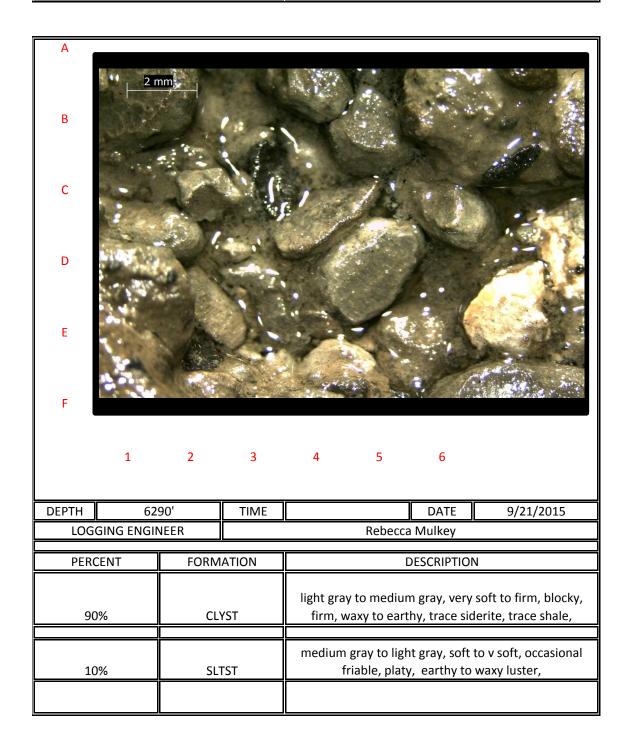


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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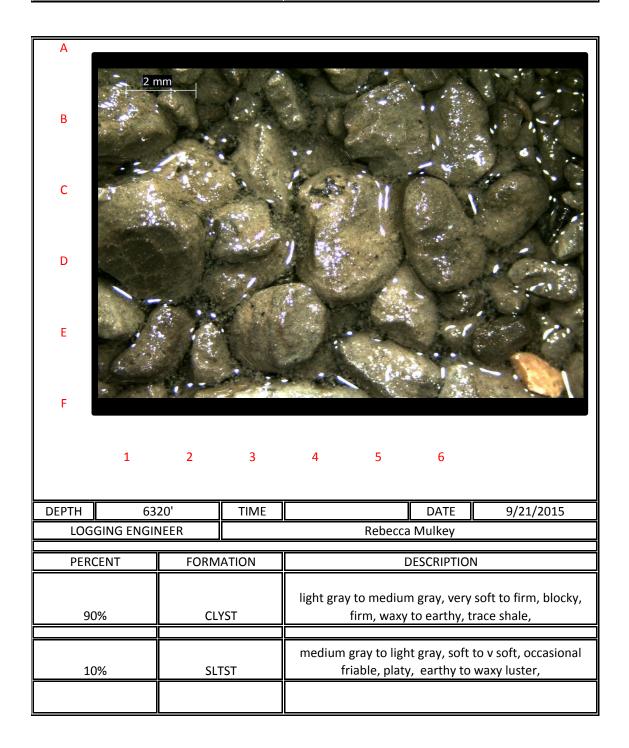


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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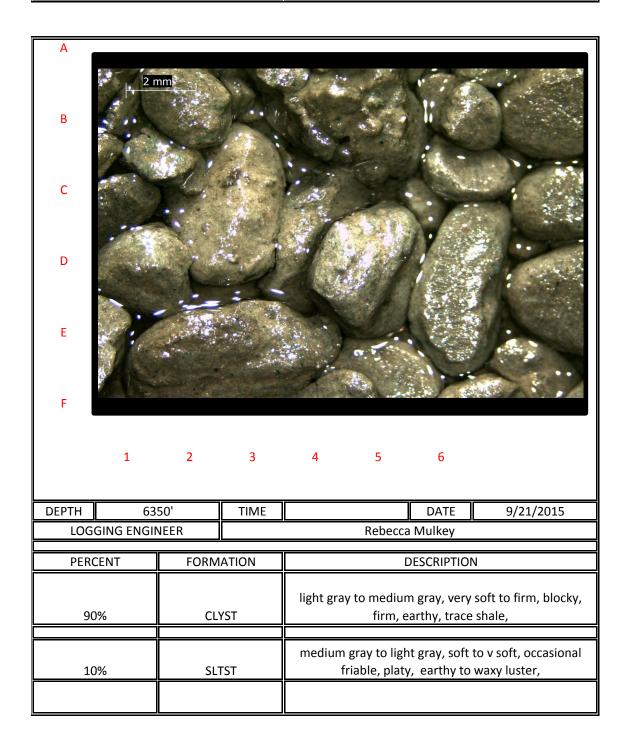


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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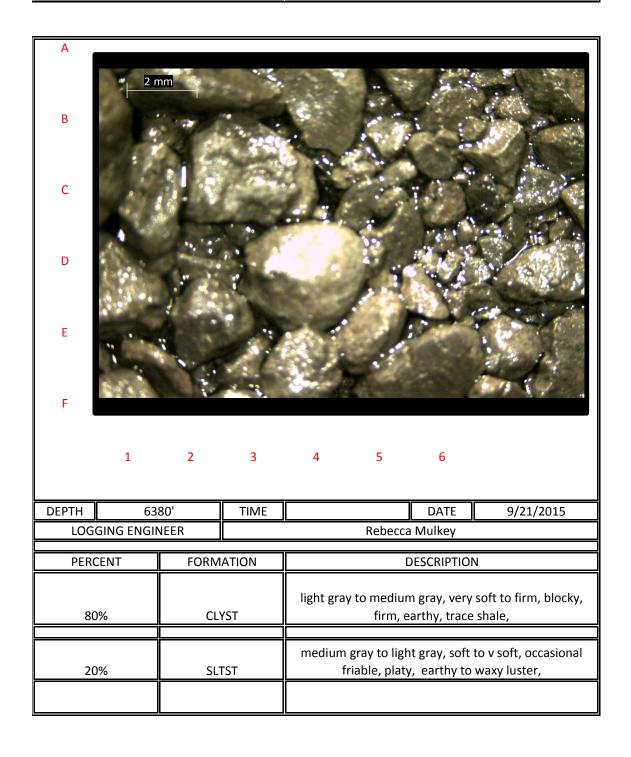


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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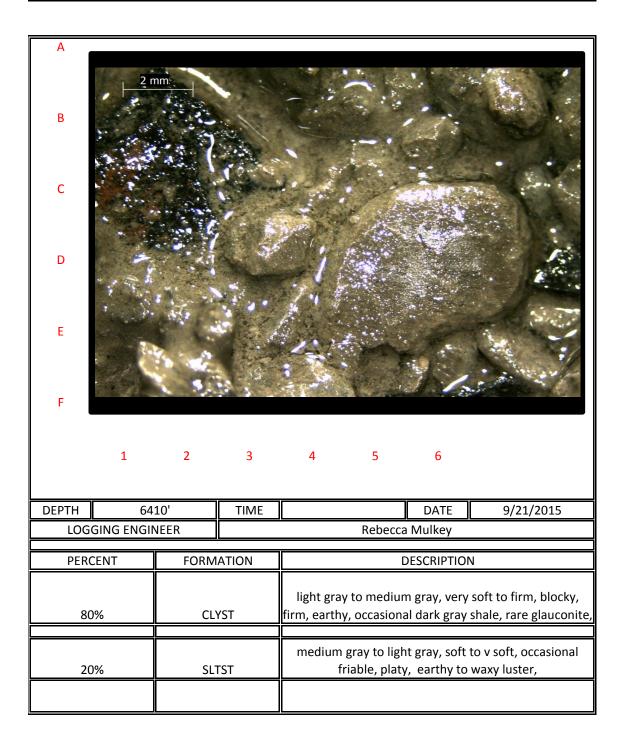




COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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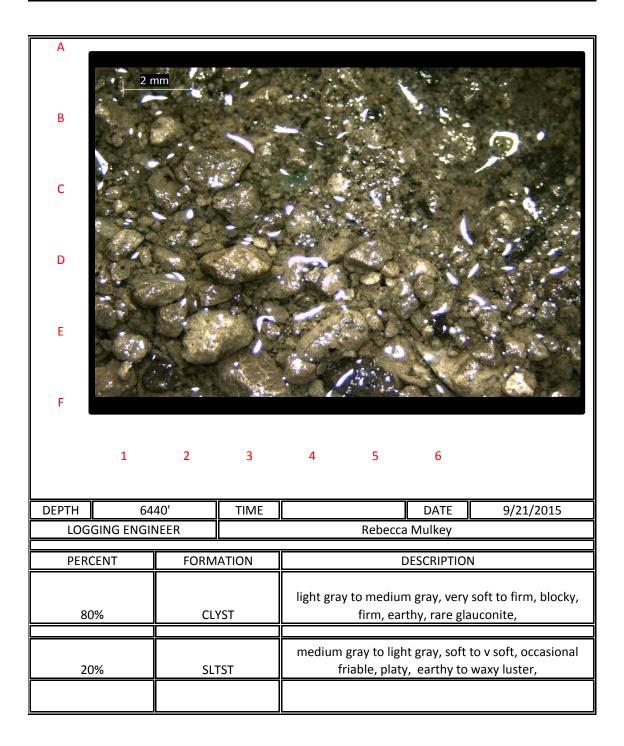


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
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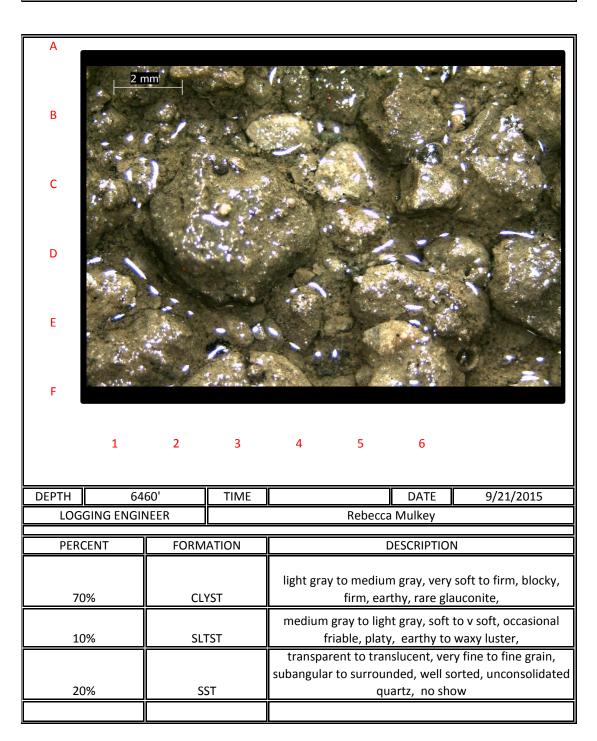


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
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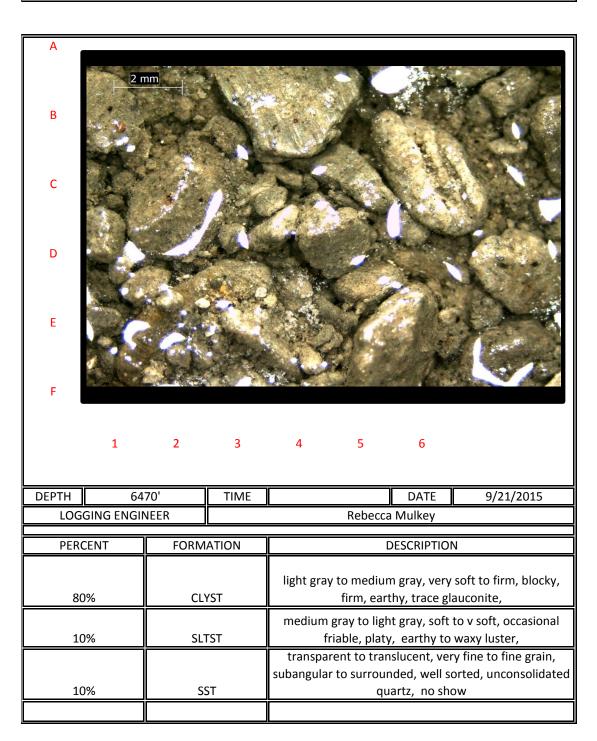


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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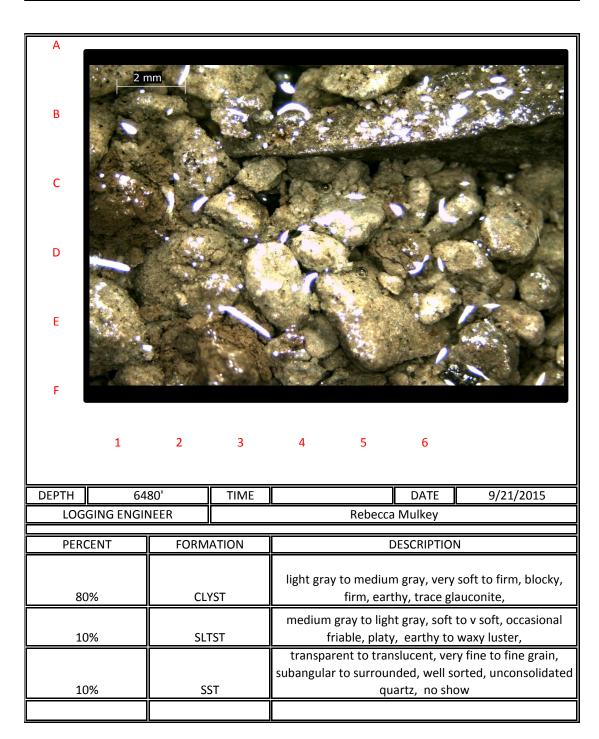


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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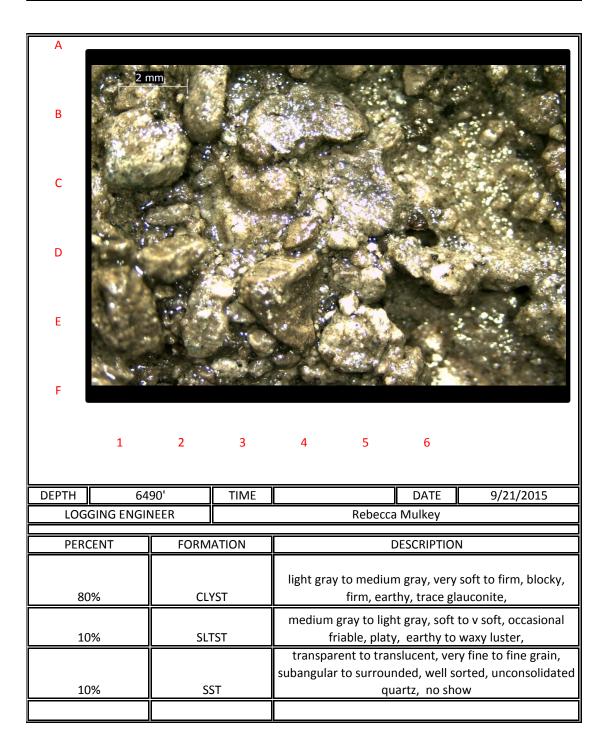


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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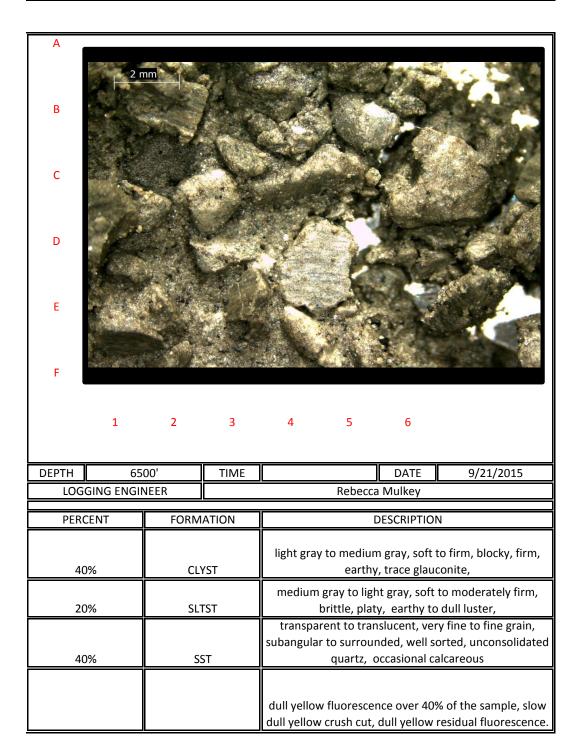




COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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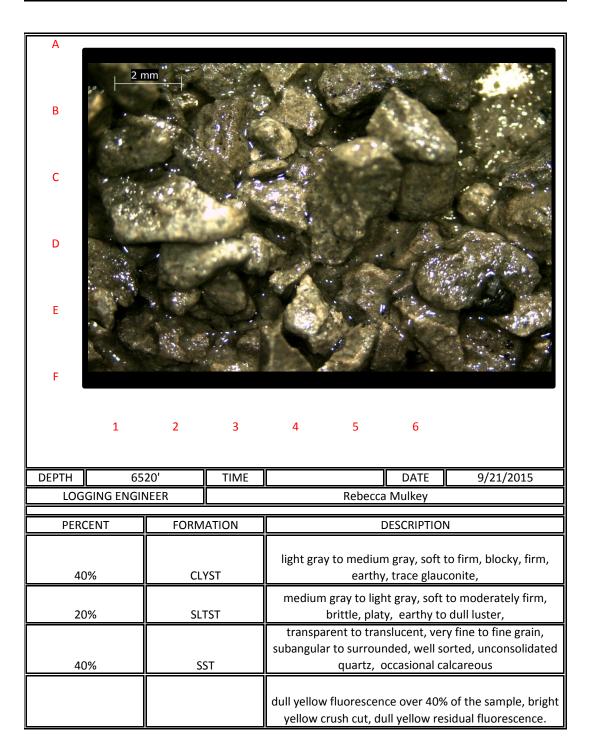


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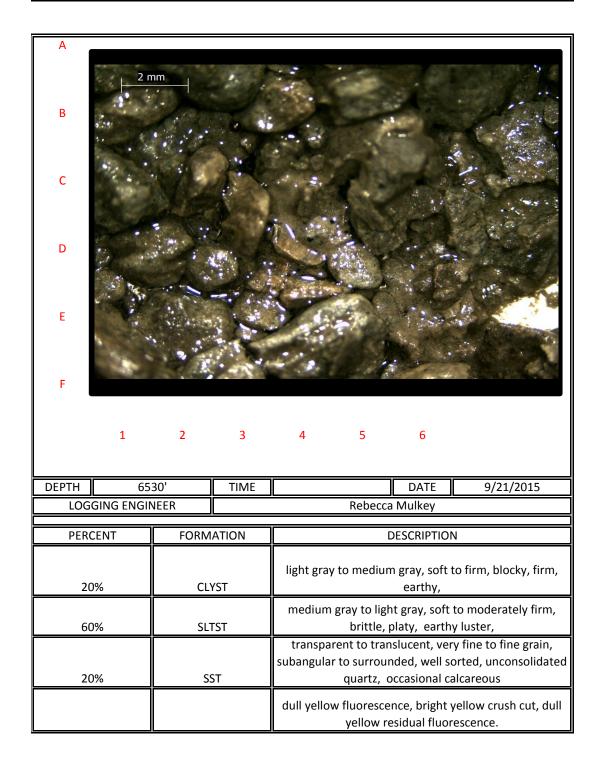
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RSO NUMBER:		WBS / AFE NUMBER:	30230984







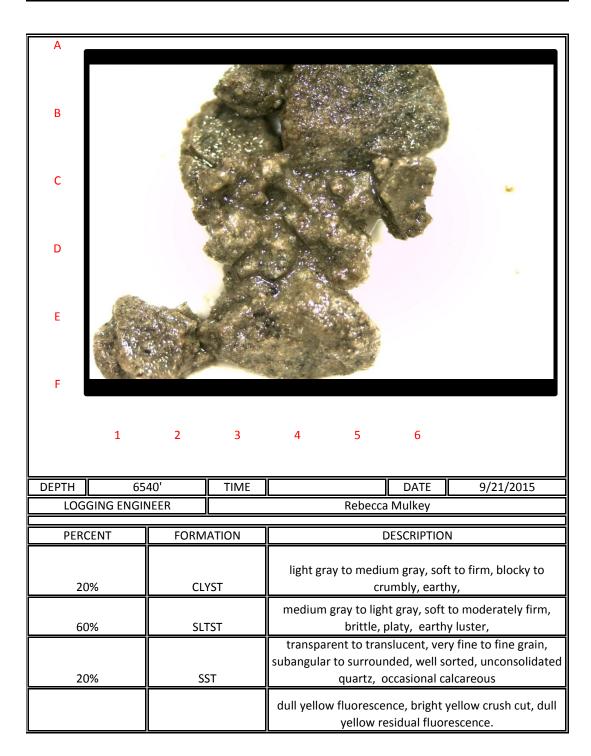
COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
STATE:	Alaska	API NUMBER:	55-352-00004-00
RSO NUMBER:		WBS / AFE NUMBER:	30230984





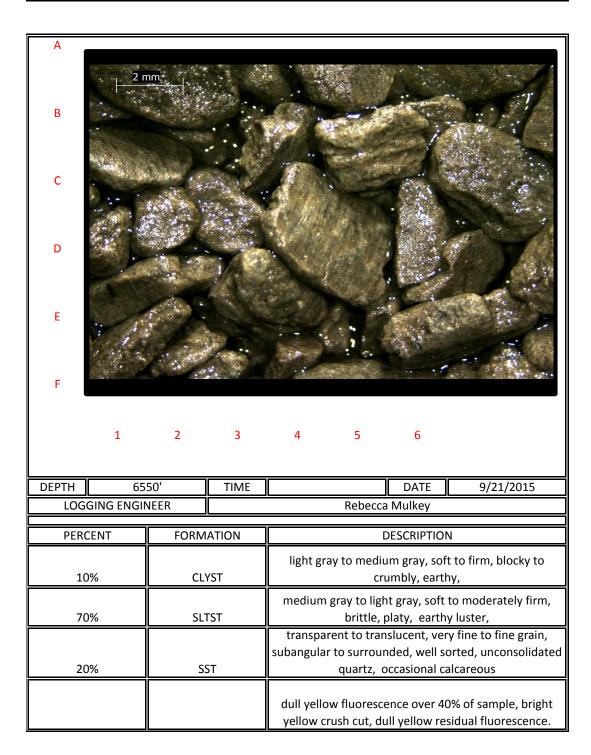


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
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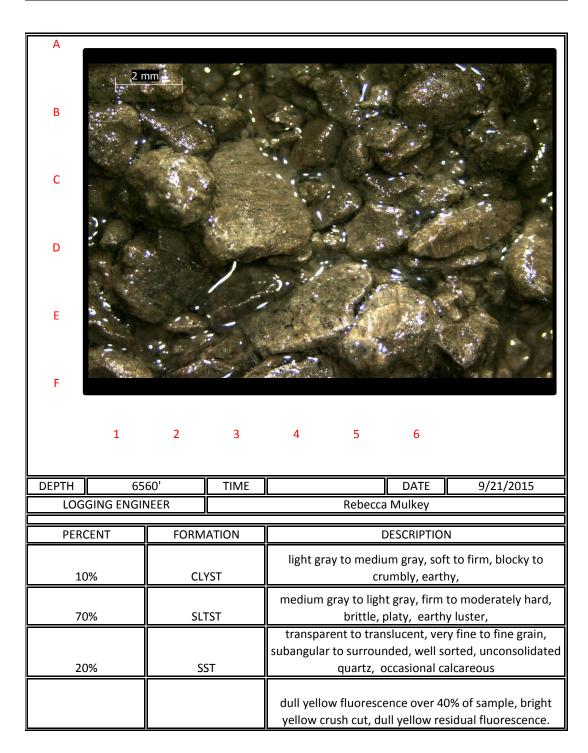


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
LOCATION:	Chukchi Sea	COUNTY / PARISH:	Offshore
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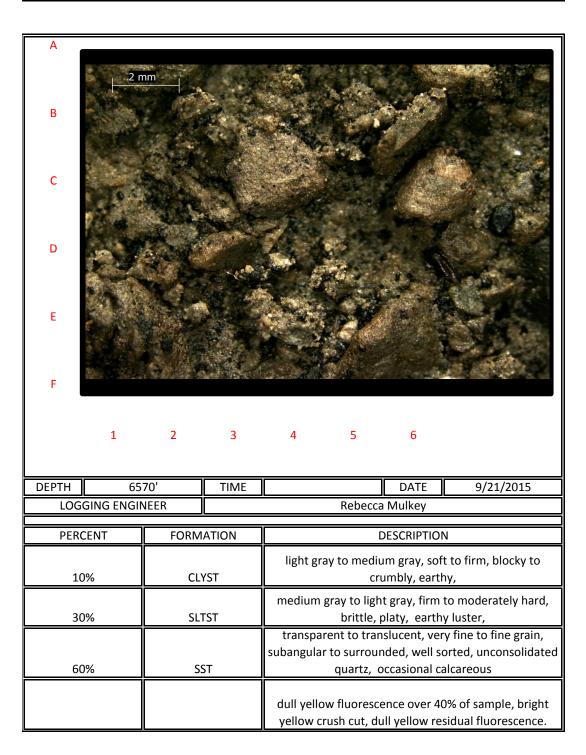


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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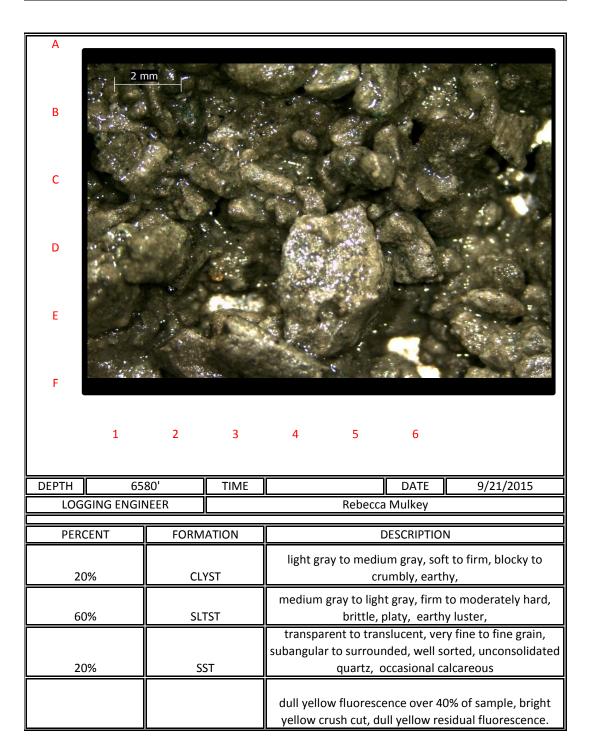


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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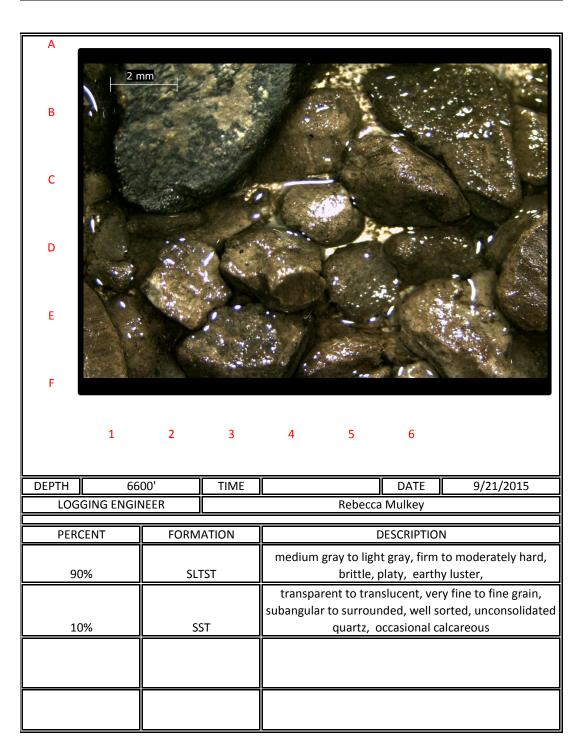


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WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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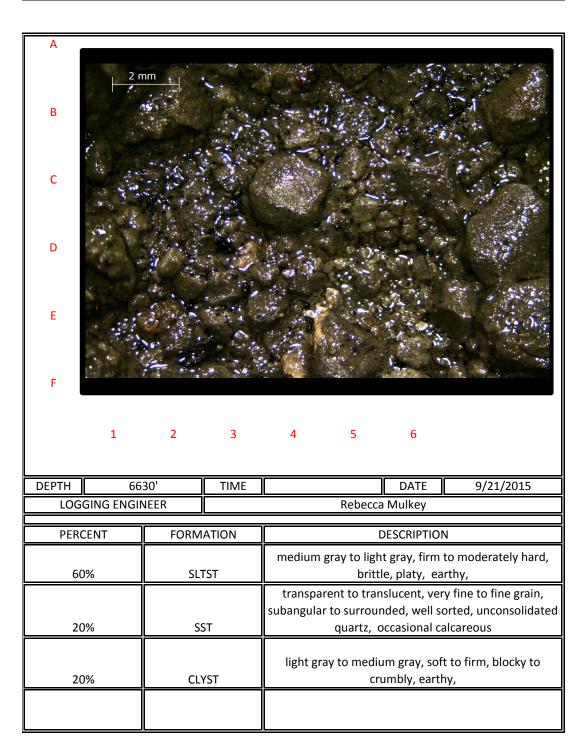


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
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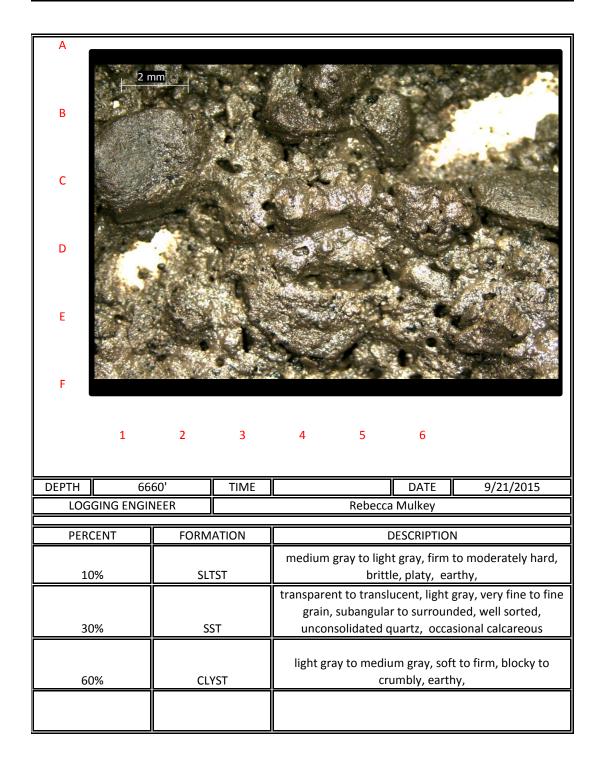


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WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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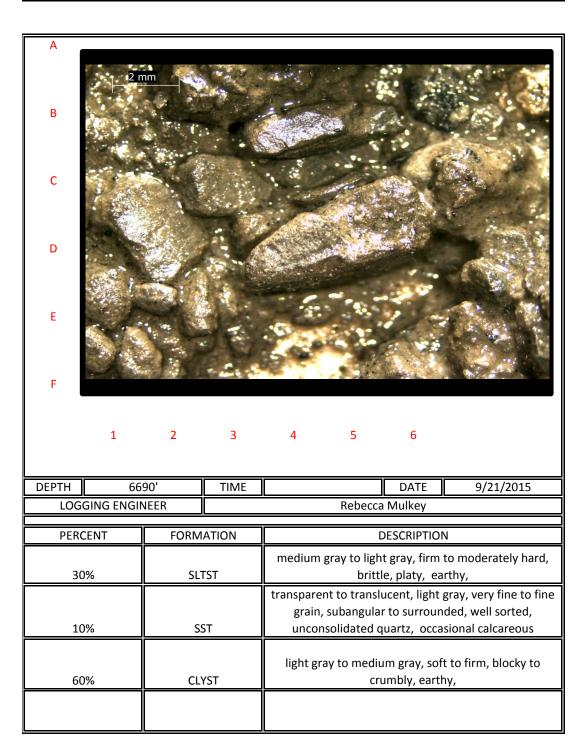


COMPANY:	Shell E&P	RIG NAME:	Polar Pioneer
WELL NAME:	OCS-Y-2321 #001	PROSPECT NAME	Burger J
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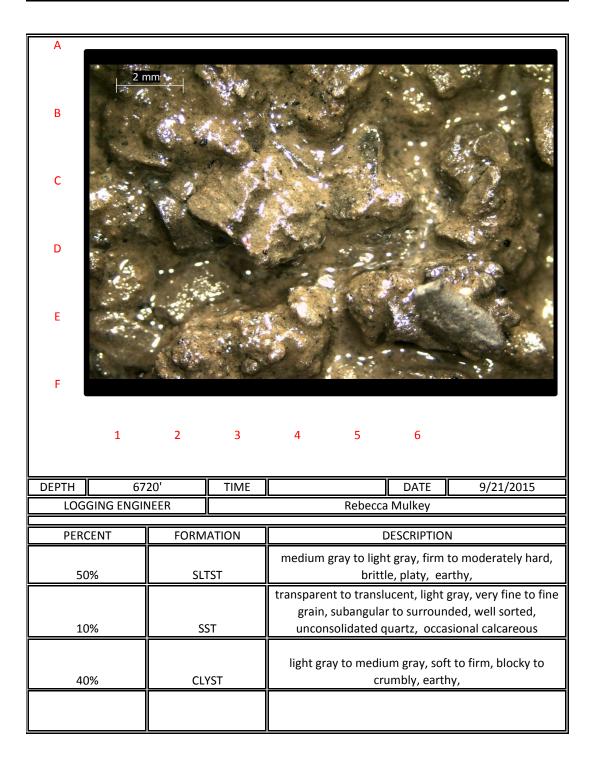


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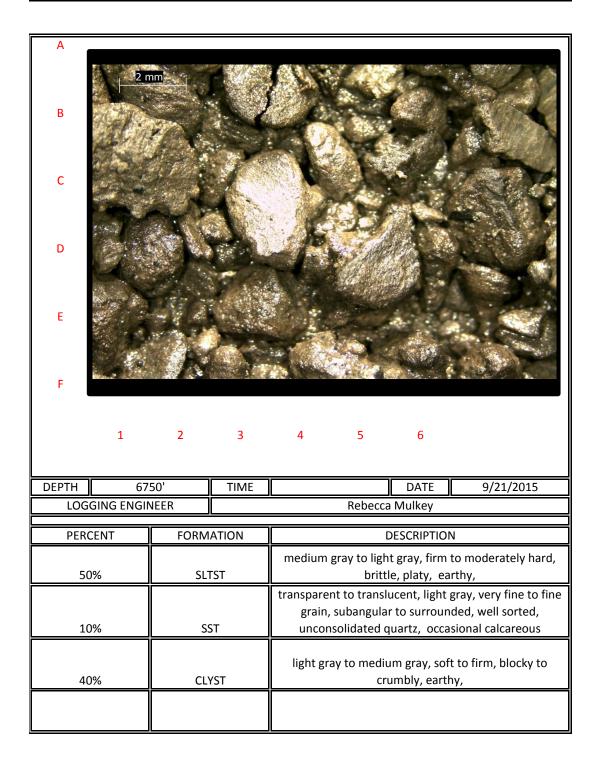


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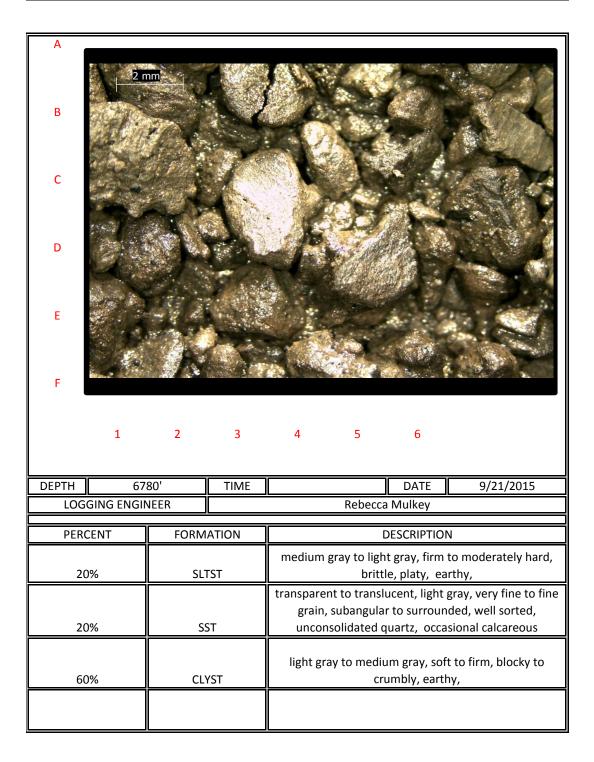


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