



Specification "Plug"

Ground English Walnut Shells 12/20 (Medium)

Walnut Shell is used as a material to resolve lost circulation challenges prevalent in typical drilling operations; associated with stimulation fluid/drilling mud losses. Walnut shell is pumped into the well with the mud, this practice is intended to seal perforations to create a more secure and less permeable well environment. It is an easy and efficient solution without significantly altering the drilling fluid consistency. Additionally, walnut shell can be removed and/or recycled effortlessly.

Technical Data

Rotap - Duration in Minutes: 3

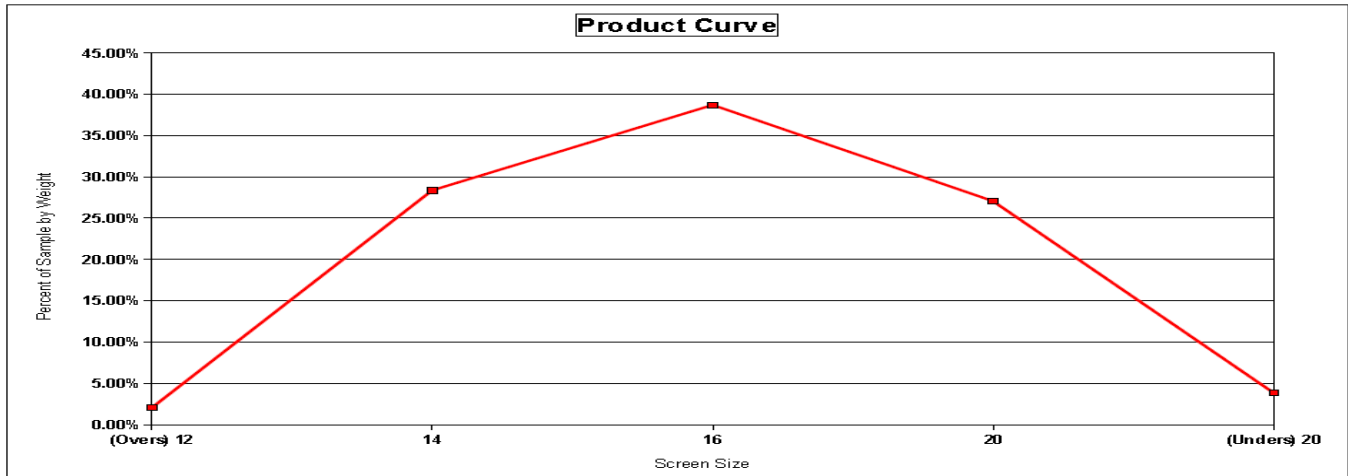
Gross Sample Weight (Grams) 0.00

McKinley Resources, Inc.

Grade: 12/20

Stock Specifications

	<u>Screen</u>	<u>Grams</u>	<u>Percent</u>	<u>Range</u>
Grams on a #:	(Over) 12			5%
Grams on a #:	12			40%max
Grams on a #:	16			60%max
Grams on a #:	20			20%max
Grams on a #:	(Under) 20			5%max
Captured Sample		000.00	100.00%	



Typical Properties:

Dual Screen Aggregates have the following characteristics

SPECIFIC GRAVITY	1.2-1.4
pH VALUE AT 25°C (IN WATER)	4-6
FREE MOISTURE (80°C FOR 15HRS)	3-9%
FLASH POINT (CLOSED CUP)	380°
HARDNESS -VICKERS NO	25-30
MOHS SCALE	3-4
DRY PACKING DENSITY(LBS PER CU. FT.)	22-44

Chemical Composition:

Nitrogen	0.10
Cellulose	40/60
Lignin	20/30
Toluene Solubility	0.5/1.0
Methoxyl	6.5
Chlorine	0.10
Ash	1.5
Cutin	1.0



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