

145-2403

USGS No.

Date 20 June 2000

Area

Owner Corey Stock

Driller: Len A. Melton

HCO 3 Box 8347
Mailing address Palmer, AK 99645

Use of Well Domestic

Location (address of: Township, Range, & Section (if known); distance from road Mile 79.5-Glenn Highway - 1/2 mile west of highway

Size of casing 6" Depth of Hole 101 feet. Cased to 101 feet.

Total depth w/screen 103 ft.

Static water level 15 feet ~~(above)~~ (below) land surface.

Finish of well (check one) Open end () Screen (x) Perforated ()

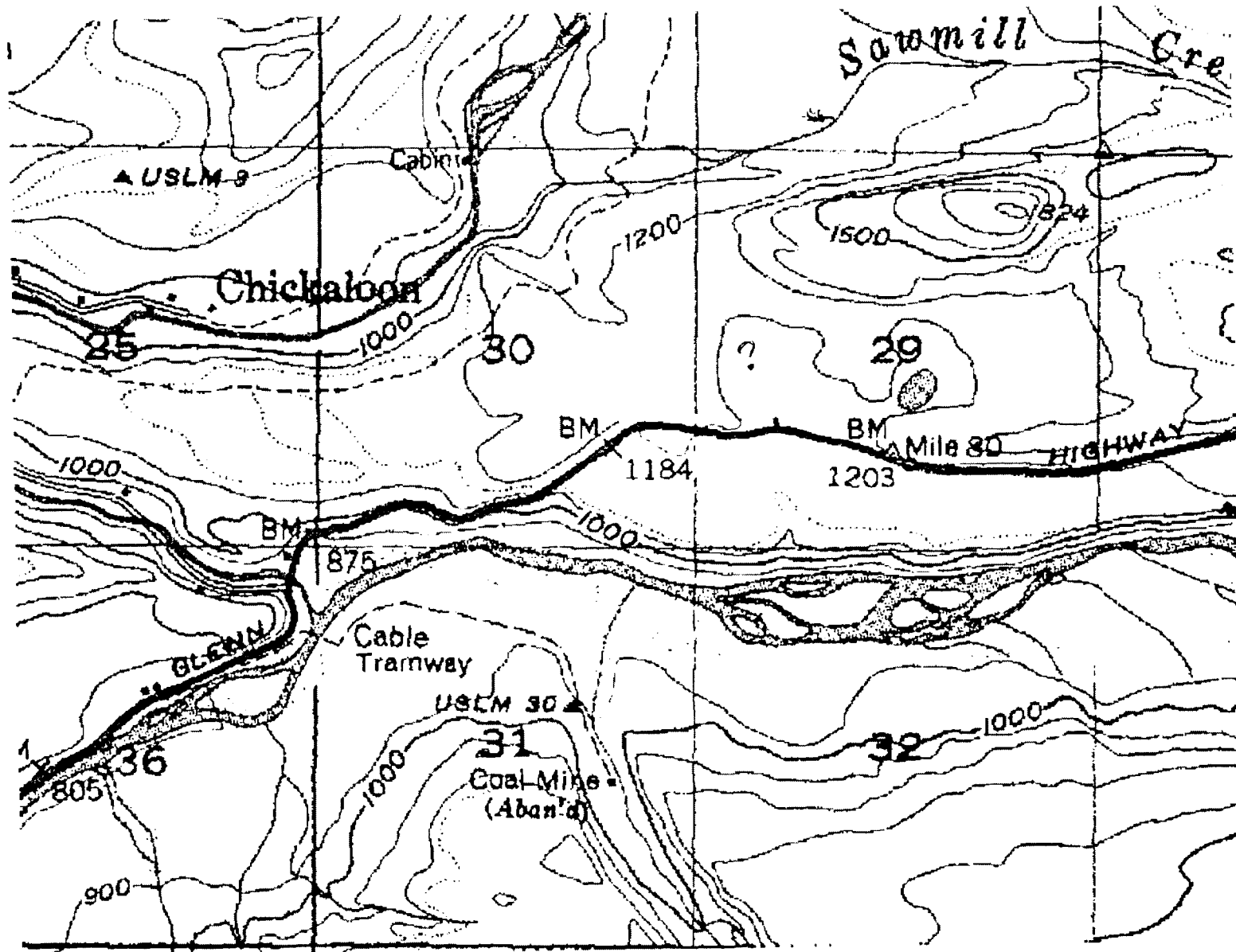
Describe screen or perforations: 5' pipe X 4' Torch slot perforations
Well pumping test at 10 gallons per (hr) (~~cum~~) for 20 hours with
0 feet of drawdown from static level.

Remarks Made screen out of 5" pipe with a sealer ring weld to top and
used jars and drove screen into sand and gravel zone.

WELL LOG

Depth in feet from ground surface	Details of formations penetrated, size of material, color and hardness
0	Surface
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3	...
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100	...

1 to 101 6" pipe with heaving sand. Came to this existing well on Service Call. Well had filled up with sand and pea gravel 30' up into the pipe. Cleaned out pipe using water to stop heave. Found bottom to be in sand zone and wasn't in terms with existing log. This well had a low rate artesian flow. I attempted to take the pipe down to better material but it made a sudden turn at bottom, so pulled back and tried to work with material at hand but couldn't keep it down. Pulled pipe up to repair hole where pitless had been and put pipe back to within 1' of bottom and with driving block and jars I drove the screen into the aquifer below pipe and exposed 3' of screen. Sand pumped and bailed well to clean out sand. Put in pump and left it run over night. Water stabilized at 15' from ground level. Checked for sand from over night pumping. Was very minimal so well was back in production. Owner had Durham Pump and Well put in Maas weld on pitless so well could be serviced in the future.



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