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Ram Oil Co.-Silver Monarch  
#1 Rieke  
NE NW 11-9N-54W  
Logan County, Colorado

RECEIVED  
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COLO. OIL & GAS CONS. COMM.



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SAMPLE DESCRIPTION

"D" Sand:

- 5008-5035 Sand, gray, very-fine-grained, with some silt filling, low to fair porosity, and some sand, quartzitic alternating with black arenaceous shale. No shows.
- 5035-5046 Sand, gray, fine-grained, slightly silty, fair to good porosity. No shows.

"J" Sand:

- 5116-5120 Sand, dark gray, carbonaceous material throughout, low porosity, no shows.
- 5122-5138 Sand, gray, very-fine-grained, some silt filling with fair porosity at top grading to silt filled low porosity sand at base. No shows.
- 5144-5152 Sand, gray, very-fine-grained, clay filled, very low porosity, no shows.
- 5156-5162 Sand, gray, semi-quartzitic, tight. No shows.
- 5162-5171 Sand, gray, very-fine-grained, slightly silty, fair porosity, and sand, gray, fine-grained, good porosity. No shows.
- 5173-5180 Sand, gray, very-fine-grained, very silty, fair porosity. No shows.
- 5184-5196 Sand, gray, very-fine-grained, very silty, fair porosity. No shows.
- 5196-5210 Siltstone interbedded with shale.

Respectfully submitted,

*Robert O. Karl*

Robert O. Karl  
Petroleum Geologist