

COGCC Document # 400562156

262130

#531423



WIRELINER DRILLING

Company CRITFIELD MGMT

MAY 18 2006

**INVOICE
RECEIVED**

№ 2708

(970) 522-0292

P.O. Box 1061

Sterling, CO 80751

Date 8/24/05

Customer No.

Address.

Well ~~USA~~ Liza #1

County ARAPAHOE State CO

Field WILD CAT

Location.

Service Performed	Footage Serviced	No. of Shots Footage Logged	Unit Price	Total
SERVICE ONLY	.			200
SETUP	580'			1100
CAP PLUG W. 4SKS CEMENT				400
SPOT 4SKS CEMENT ON PLUG, EST TOT OF CEMENT 550'				
MCKIL-				
JACKSON				
VYSKOCIL				

1721

STATE OF COLORADO

OFFICE OF THE STATE ENGINEER

Division of Water Resources
Department of Natural Resources

1313 Sherman Street, Room 818
Denver, Colorado 80203
Phone (303) 866-3581
FAX (303) 866-3589

www.water.state.co.us



Bill Owens
Governor

Russell George
Executive Director

Hal D. Simpson, P.E.
State Engineer

MEMORANDUM

TO: Permit File

FROM: Dave McElhaney, P.G., Chief of Geotechnical Services Branch *Dave M.*

DATE: March 7, 2005

SUBJECT: Well Construction; Receipt No. 531423

Pursuant to a telephone conversation with Chuck Griffin of Griffin Management, LLC (720-490-5648), the Liza 1 well is constructed with 8 5/8-inch surface casing set and cemented to 200 feet. The 4-inch production casing is installed to approximately 7000 feet. Bridge plugs have been set above the target zones ("D" and "J" sands) at the time of temporary abandonment. The well was later re-entered and the annulus from 550 feet to 1165 feet was cemented, so that the ground water presently available to the well is from the interval from 200 feet to 550 feet (Arapahoe aquifer). Mr. Griffin has agreed to have another bridge plug placed inside the 4-inch casing in the interval from 550 feet to 650 feet to ensure that the well will only produce from the Arapahoe aquifer.