

COGCC Document # 400562156

262130

#531423

API: 005-06403

INVOICE RECEIVED

NO 2708

(970) 522-0292

P.O. Box 1061

Sterling, CO 80751



WIRELINE DIVISION

Company

CRIPPIN MOUNT

MAY 18 2006

Date

8/24/05

By

Customer No.

Address

Well

~~USA #1~~ 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. 45% CEMENT				400
SPOT 45% CEMENT ON PLUG				
EST TOT OF CEMENT 550'				
MCKIL-				
JACKSON				
VYSKOCIL				

1750

## 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  
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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 

**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.