

Memorandum

To: Mr. Paul Savadva, State Engineer's Office
From: Roy Johnson, Senior Petroleum Geologist, OCD
Subject: Salt Water Flow
Miami: Petroleum, Bell Ranch Well No. 2
~~Location~~ section 12, T-14-N, R-27-E, 1980 FNL, 1980 FWL
San Miguel County, New Mexico

Last week, as requested by Bill Hettray - OCD Director, I traveled to eastern San Miguel County to inspect and offer any assistance in the plugging of an artesian water well. This well was an old oil and gas test that was converted to a water well for the Bell Ranch. I visited w/ Mr. Rusty ~~TINWIN~~ ^{TINWIN}, ranch manager for the Bell and ~~with~~ inspected the location with him. The following is a prognosis of the plugging events:

Well Specifications: 13 $\frac{3}{8}$ " surface casing @ 350'
7" production casing @ 1859'

Surface plug in 7" casing

Flow Specifications: 100-120 gpm through csq./csq. annulus
with CO₂ gas

20-22 PSI

★ { 8.65 ppq Formation water

{ Gibrleta Formation producing interval (1760')
11,000 specific conductance - reported.

March 2
March 8, 1993

Stinebaugh Drilling & Packer Well Service arrive on location. Rig up equipment and construct pad for pulling unit.

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March 9, 1993

Construct cellar and flowlines to control direction of water flow, attempt to drill out surface plug with "Texas"