### STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES 1069 State Office Building Portland 1, Oregon

## HISTORY OF OIL OR GAS WELL (Submit in duplicate)

In compliance with rules and regulations adopted pursuant to ORS 520.095 (Chapter 667 OL 1953)

Operator

Marvin Lewis

Holmes Gap Area Field

Well No.

Crossley-Jennings 2

31 , T. 6 S. , Sec.

4 W.

Report by: Vernon & Newton

Date

August 29, 1966

Title

Petroleum Engineer (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date

#### 8-23-66 Shoe plug 458-427' with 10 sacks

Hung 3½", 13.30# open end drill pipe at 458' (Burlap sacks were pushed to 500' to form a bridge for the plug). Mixed and pumped 10 sacks of construction cement, 115# slurry. Displaced cement with 140 gallons of fresh water (approximately 5 gallons for pump and lines).

Pulled drill pipe up to 150' for a squeeze job of holes reported to be in the casing between 80' and 150'. Closed Shaffer drill pipe rams.

## Squeezed holes 80'-150' with 20 sacks

35, 13.30 pen end drill pipe at 150. Mixed and pumped 20 sacks of construction cement. Squeezed cement with 30 gallons of water. Noted free circulation apparently coming from the annular space between the casing and open hole during the squeezing. Pumping pressure 400 psi (plug 80'-150' by calculation - no squeeze; see comments).

Gassy salt water pushed cement from both plugs out of the hole (the burlap bags used to bridge the hole at 500' were found in the blow-out preventor). Cement had to be cleaned out of the cellar and the blow-out preventor.

Ran in with a 7-7/8" bit on  $3\frac{1}{2}$ " drill pipe to 500'; found no cement. Killed well with mud.

#### 8-25-66 Squeezed holes 80'-320'(?) with 40 sacks

 $3\frac{1}{2}$ ", 13.30# open end drill pipe hung at 320'. Closed drill pipe rams. Mixed and pumped 40 sacks of construction cement treated with calcium chloride (quickset). Squeezed cement with 75 gallons of fresh water. Pumping pressure reached 800 psi by the end of the job. (Plug 192-315' by calculation; no squeeze; see comments.)

Driller reported top of cement at 65'(?). Plug was apparently pushed up the hole 120' by gassy salt water. The flow from the well died for 45 minutes after the cement job then resumed again.

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Date

8-26-66

Removed the rotary table and stripped off the Shaffer Gates. Pumped salt water out of the cellar, and gas and salt water could be seen coming from the inside of the casing. A good sized hole in the casing could be seen approximately 10" from the top.

Prepared to place cement around the outside of the casing to a depth of 10' and place a cement plug inside the top of the casing for temporary suspension of operations.

