

(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R350.4.

Indian Agency Gallup  
Navajo - Ute Mtn Tribal

Allottee \_\_\_\_\_  
Lease No. 24-20-604-1951

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		<b>Subsequent report of converting to water injection</b>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

HORSESHOE GALLUP UNIT

May 31, 1963

Well No. 169 is located 660 ft. from XII line and 660 ft. from E line of sec. 28  
SE SE Sec. 28 31N 16W NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Horseshoe Gallup San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5378 ft.

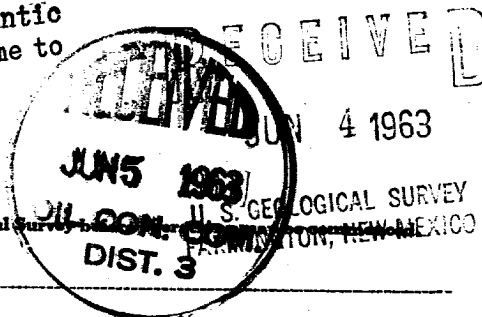
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Moved in pulling unit. Pulled rods and tubing. Ran Baker Model "A" Tension Packer set at 1426' on 2" EUE 8R 4.7# J-55 tubing on 3-21-63.

Started injecting water into Upper Gallup thru tubing on 4-17-63.

"Effective May 3, 1966, The Atlantic Refining Company changed its name to Atlantic Richfield Company"



I understand that this plan of work must receive approval in writing by the Geological Survey

Company The Atlantic Refining Company

Address Box 2197

Farmington, New Mexico

By B. J. Soltner

Title Drilling & Production Supervisor

...and the fact that the *in vitro* and *in vivo* results are in good agreement.

$\frac{1}{2}$

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (○), 10<sup>7</sup> cells/ml (□), 10<sup>8</sup> cells/ml (△), 10<sup>9</sup> cells/ml (◇), and 10<sup>10</sup> cells/ml (●). The error bars represent the standard deviation of three independent experiments.

[illegible]