

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office Santa Fe  
Lease No. SF 078926  
Unit Gallegos Canyon Unit

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 RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL			

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

Gallegos Canyon Unit

Farmington, New Mexico March 8, 1960

Well No. 86 is located 1850 ft. from [N] line and 990 ft. from [E] line of Sec. 35

NE 1/4 of Section 35  
(1/4 Sec. and Sec. No.)

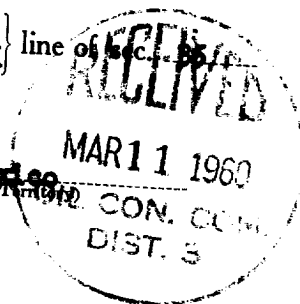
T-29-N R-13-W  
(Twp.) (Range)

N.M.P.M.  
(Meridian)

Undesignated Gallup  
(Field)  
and Dakota

San Juan  
(County or Subdivision)

New Mexico  
(State or Territory)



The elevation of the derrick floor above sea level is 5720 ft. (RDB)

DETAILS OF WORK

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

Moved in completion rig on January 26, 1960 and drilled 2-stage tool at 1814'. Spotted 500 gallons breakdown acid over Dakota formation. Tested casing with 2500 psi for 30 minutes, which held with no indication of pressure drop. Perforated Dakota with 4 shots per foot 6176-6180, 6187-6191, 6207-6211 and 6222-6226. Sand water fracked with 60,000 gallons water and 70,000 pounds sand. Breakdown pressure 1800 psi, average treating pressure 2000 psi, average injection rate 71 barrels per minute. Blew well 20 hours through 7" casing and 4" line. Killed well with mud. Pulled tubing and ran Baker Model D Production Packer with expandable plug and set at 6120'. Ran tubing to 6110' and displaced mud with oil and spotted 500 gallons breakdown acid over Gallup formation. Tested packer with 2500 psi for 30 minutes which held with no indication of pressure drop. Pulled tubing and perforated Gallup 5524-5542, 5582-5600 with 4 shots per foot. Sand-oil fracked with 42,000 gallons oil and 60,000 pounds sand. Breakdown pressure 1800 psi, average treating pressure 1900 psi, average injection rate 66 barrels per minute. Set 2-3/8" Dakota tubing at 6128' with Baker Model E seal.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation (OVER)

Address P. O. Box 487

Farmington, New Mexico

Attn: L. O. Spear, Jr.

ORIGINAL SUBMITTED  
By R. M. B...  
Title Area Engineer

DETAILS OF WORK CONTINUED:

assembly set in production packer at 6120'. Set 2-3/8" Gallup tubing at 5518'.  
Installed pumping equipment to recover load oil and test well.