



(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

Lesse No. SF-078007-A

Unit Gallegos Canyon Unit

SEP 13 1961

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 <u>Core, Frac</u>	☒
NOTICE OF INTENTION TO ABANDON WELL		

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

Gallegos Canyon Unit

Farmington, New Mexico September 8, 1961

Well No. 105 is located 810 ft. from S line and 600 ft. from E line of sec. 12

SE 1/4 SE 1/4 of Section 12 T-28-N R-13-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Totah Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5648 ft. (RDB)

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)

Core No. 1 550-5532' - Recovered 32-1/2' as follows: 9' shale with thin sand streaks; 3' sandy shale with occasional oil bleeds; 3' shaly sand; 7' sand, medium grained, fair porosity and permeability and vertically fractured 5518-5520' and 5521-5522'; 2-1/2' shale; 3' very shaly sand; 5' shale.

Core No. 2 5532-1/2-5544' - Recovered 11-1/2' as follows: 11-1/2' shale with occasional sand streaks.

Core No. 3 5544-5564' - Recovered 20' as follows: 1' shale; 2' sandy shale; 1' very shaly sand; 1' sand, medium grained, poor porosity and permeability, vertically fractured; 1-1/2' sand and shale streaks, poor porosity and permeability, vertically fractured; 13-1/2' shale with occasional thin sand laminations and highly broken.

Total depth 5642' plug back depth 5605'. Set 4-1/2" casing at 5636' with DV tool at 1761'. First stage cemented with 125 sacks 6 percent gel cement containing 1-1/2

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

Company Pan American Petroleum Corporation

Address P. O. Box 480

Farmington, New Mexico

Attn: L. O. Spear, Jr.

ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By

Title Senior Petroleum Engineer

Pounds of plug per sack followed by 75 sacks next cement. Tested casing with 3000 psi for 15 minutes, held ok. Second stage cemented with 150 sacks 6 percent gel cement. Tested casing with 3000 psi for 15 minutes, held ok. Sand oil treated with 3000 gallons spearhead containing 75 pounds per 1000 gallons oil Adomite Mark II and 22,100 gallons oil containing 50 pounds per 1000 gallons Adomite Mark II and 20,000 pounds sand. Breakdown pressure 1700-1600 psi, average treating pressure 2700 psi. Average injection rate 28 barrels per minute. Run Correlation log and perforated upper Gullup with 8 shots per foot 5519-5525'. Preliminary potential test to be reported on final log.