

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. SF 077386  
Unit E. J. Johnson  
Gas 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
NOTICE OF INTENTION TO ABANDON WELL	

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

Farmington, New Mexico, December 30, 1959

E. J. Johnson Gas Unit  
Well No. 1 is located 1650 ft. from N line and 870 ft. from E line of sec. 21  
NE 1/4 of Section 21 T-27N R-10W N.M.P.M.  
(1/4 Sec. and 1/4 Sec. No.) (Twp.) (Range) (Meridian)  
Angels Peak Dakota San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6078 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)

Moved in completion unit December 16, 1959. Spotted 500 gallons mud cleanout agent. Perforated Dakota with six shots per foot 6384-6388, 6406-6412. Attempted sandwater frac. Formation broke at 1700 psi at injection rate of six barrels per minute. Increased rate to 30 barrels per minute and pumped 1260 gallons water and 1260 pounds sand. Pressure increased to 3000 psi. Flushed with six barrels per minute at 2850 psi. Spotted 1000 gallons breakdown acid to 6412' at rate of 14 barrels per minute through casing at 1500 psi. Increased pump rate to 30 barrels per minute at 2800 psi. Sandwater fractured with 50,000 gallons water and 50,000 pounds sand. Maximum treating pressure 2900 psi, Minimum treating pressure 2500 psi, Average injection rate 31 barrels per minute. 2" tubing was landed at 6361'.

Completed as shutin gas well, Angels Peak Dakota Field, December 22, 1959.  
Preliminary test December 22, 1959, 4942 MCF per day.

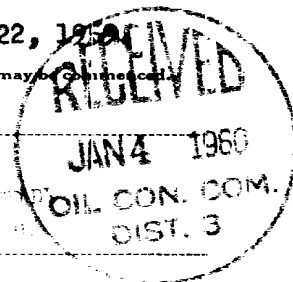
Company Pan American Petroleum Corporation

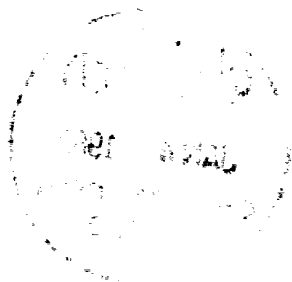
Address P. O. Box 487

Farmington, New Mexico

Attention: Mr. L. O. Speer, Jr.

By R. M. [Signature]  
Title Area Engineer





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