

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office **Santa Fe**Lease No. **SP-077968**Unit **C. J. Holder**

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 Free
NOTICE OF INTENTION TO ABANDON WELL.....	

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

C. J. Holder**Farmington, New Mexico July 3, 1961**Well No. **15** is located **510** ft. from **[N]** line and **1870** ft. from **[E]** line of sec. **21****NW/4 NE/4 of Section 21 T-28-N R-13-W N.M.P.M.**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)**Cha Cha Gallup San Juan New Mexico**
(Field) (County or Subdivision) (State or Territory)The elevation of the derrick floor above sea level is **6054** 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)

Ran correlation log. Perforated Lower Gallup with 4 shots per foot 5683-5703'. Sand oil fracked with 18,530 gallons of oil containing 25 pounds Adomite Mark II and 5 gallons FR-1 per 1000 gallons and 20,000 pounds sand. Average treating pressure 2600 psi. Average injection rate 28 barrels per minute. Instantaneous shut in pressure 1300 psi. Triple free notch upper Gallup at 5644. Sand oil fracked with 31,000 gallons oil containing 50 pounds Adomite Mark II with 5 gallons FR-1 per 1000 gallons with 20,000 pounds of sand. No breakdown pressure. Pumped in at 2350 psi. Maximum treating pressure 3400 psi, minimum treating pressure 2750 psi, average treating pressure 2900 psi. Average injection rate 24 barrels per minute. Potential test to be reported on final log.

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**Address **Box 480****Farmington, New Mexico****Attn: L. O. Speer, Jr.**ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By _____

Title **Senior Petroleum Engineer**