



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa FeLease No. SF-077968Unit 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 <u>Free</u>	☒
NOTICE OF INTENTION TO ABANDON WELL	<u>Core Results</u>	☒

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

C. J. Holder

Farmington, New Mexico April 13 1961

Well No. 8 is located 2040 ft. from N line and 510 ft. from E line of sec. 16SE/4 NE/4 of Section 16 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 6078 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)

Core Number 1 - 5733-5741' recovered 8' as follows: 1' shale; 1' tight sand and shale nodules; 4' friable sand with fair to good porosity and permeability, good bleed, good odor; 2' ground-up sand.

Core Number 2 - 5741-5777' recovered 36' as follows: 1' sand fair porosity and permeability, good odor and bleed; 4' tight shaly sand with good odor and bleed, 31' shale to slightly sandy shale.

Core Number 3 - 5777-5789' recovered 12' as follows: 12' shale to slightly sandy shale.

Core Number 4 - 5789'-5818' recovered 29' as follows: 8' sandy shale; 10' shaly sand with good odor, bleed and tight; 10' shale.

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

(See reverse side)

Company Pan American Petroleum CorporationAddress Box 480Farmington, New MexicoAttn: L. G. Spoor, Jr.ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By _____

Title Senior Petroleum Engineer

Total depth 5890'. 4-1/2" casing set at 5887' with 125 sacks 65 gal with
 1-1/2 pound TPL Plug per sack, followed by 75 sacks neat cement. Test
 casing with 3000 psi. Test O.K. Completion operations begun.
 Perforate Lower Gallup 5800-5811 with 4 shots per foot. Fracked with 10,764
 gallons oil containing 25 pounds Adomite Mark II per 1000 gallons and 10,000
 pounds sand. Breakdown pressure 1700 psi. Average treating pressure 2600
 psi. Average injection rate 26 BPM.
 Perforated Upper Gallup 5740-5747' with 6 shots per foot. Fracked with
 13,740 gallons oil containing 50 pounds Adomite Mark II and 5 gallons FR-1
 per 1000 gallons and 20,000 pounds sand. Sandbed off after 38 barrels.
 Breakdown pressure 2600 psi, maximum treating pressure 3400 psi, average
 injection rate 22 BPM. Testing well.
 Well completed as flowing Cha Cha Gallup development well on April 9, 1961.
 Estimated allowable 164 BOPD effective April 9, 1961.