



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office New Mexico
Lease No. NM 04407-A
Unit Northeast Hogback Unit
Commitment No. 6674

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.....	

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U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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

Northeast Hogback Unit

Farmington, New Mexico November 30, 1960

Well No. 4 is located 1890 ft. from S line and 1890 ft. from E line of sec. 14
NW 1/4 SE 1/4 of Section 14 T-30-N R-16-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Horseshoe Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5377 ft. (ADB)

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)

Total depth 4390', plug back depth 3706'. Drill stem test No. 1 4182-4252'. Tool open 1 hour - weak blow for 5 minutes, well dead. Recovered 120' drilling mud, no show, 3/4" bottom hole choke. Bottom hole shut in pressure after 30 minutes 1690. Final shut in bottom hole pressure after 45 minutes 1590, bottom hole pressure flowing 65 - 75. Hydrostatic 1900 - 1870, bottom hole temperature 125° F. No commercial prospects in Dakota. Plugged back to 3206' with 275 sacks cement with 10% sand. Dressed off plug and circulated out 10 sacks of cement. Set 5-1/2" casing at 3701' with 80 sacks 4 1/2 gal cement with 1-1/2 pounds Tuf Plug per sack followed by 50 sacks neat cement. Pumped plug down with 300 gallons 15% BDA with oil. Tested casing with 2900 psi for 15 minutes which held with no indication of pressure drop. Released rig November 25, 1960. Preparing for Gallup completion operations.

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. C. Speer, Jr.

ORIGINAL SUBMITTED BY
R. M. Bland Jr.

By _____

Title Area Engineer