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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa Fe
Lease No. 000232
Unit USA L. W. Butler

SUNDRY NOTICES AND REPORTS ON WELLS

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| 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)

USA L. W. Butler

Farmington, New Mexico September 4, 1958

Well No. 1 is located 660 ft. from N line and 660 ft. from W line of sec. 1010/4 of Section 10

(1/4 Sec. and Sec. No.)

T-21-N

(Twp.)

R-10-W

(Range)

T.T.P.T.

(Meridian)

Multi-lower Gallup Ext.

(Field)

San Juan

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is 6956 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)

USA L. W. Butler No. 1: Moved in workover rig July 28, 1958, and attempted to circulate hole with oil, preparing to drill cement plug. Tagged up at 5426' and washed out to 5439'. Attempted to circulate. After pumping in 105 barrels oil, circulated for 2 hours, losing 15-1/2 barrels oil per hour. Palled tubing. Drilled cement plug to 5460'. Spotted 500 gallons 15% MCA on bottom. Perforated two shots per foot 5322 - 5342, 5396 - 5416, 5432 - 5452. Sand-oil fractured with 47,400 gallons oil and 30,700 pounds sand. Formation broke at 2150', treating pressure 1890#, injection rate 44 barrels per minute. Injected 40 ball sealers after 12,000 gallons and four 20 ball sealers at 19,350 - 24,050 - 26,700 - 41,400 gallons. Flashed back 124 barrels loss oil in 8 hours. Ran sand pump and found top of sand at 5414'. Cleaned out sand to 5460'. Loaded 2" tubing at 5378'. Ran rods and pump. Potential test August 29, 1958, after workover 32 barrels oil in 24 hours, API gravity 41.5°, 14 strokes per minute, 52° strokes. Gas oil ratio 1750/1.

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 CorporationAddress Box 487Farmington, New MexicoBy D.Title Field Clerk

ILLEGIBLE