Budget Bureau No. 42-R358.1.
Approval expires 11-30-49.

Form 9-331a
(March 1942)

(SUBMIT IN TRIPLICATE)

Land Office Las Cruces

Lease No. 029405-B

Unit L

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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	X
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 REDRILLING 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)

Artesia, N. Mex. July 24, 1950

Wm. Mitchell B

Well No. 22-P is located 1980 ft. from {N/S} line and 460 ft. from {E/W} line of sec. 20

NW¼ SW¼ Sec. 20 (¼ Sec. and Sec. No.) | 17S (Twp.) | 32E (Range) | NMPM (Meridian)

Maljamar-Paddock (Field) | Lea (County or Subdivision) | New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3960 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)

After reaching Total Depth of 5442', 5-1/2" casing was cemented at 5387' and cement plug was drilled out to 5337'. Casing was perforated from 5304-07' with the jet shot using 6 shots per foot and hole was swabbed dry. An attempt was made to acidize with 300 gallons but very little acid could be pumped in. This was swabbed and only a slight show of oil and gas was recovered. Casing was then re-perforated from 5304-08' with 1/2" bullets, using 8 shots per foot. Hole was swabbed dry. A second attempt to acidize was unsuccessful at a maximum pressure of 2850 psi. The hole was swabbed for 24 hours and considerable BS was removed. Hole then took 300 gallons of acid at a maximum pressure of 2200 psi, which broke to 1850 psi. Injection rate started at 12 gallons per minute and finished at 20 gallons per minute. After swabbing of oil and acid load, swabbed 54 bbls. oil plus 10% BS & W in 6 hours. Water steadily increased to 98% salt water. A hookwall packer was then set below perforations to test cement plug in casing, but bullets in casing tore up packer. A casing scraper was run to bottom and a retrievable retainer was set at 5316'. Plug below was tested with 2800 psi and pressure held. Retainer was raised to 5246' and perforations were squeezed with 50 sacks of cement at a maximum pressure of 4400 psi. Perforations took 27 sacks. Cement was drilled out to 5298'. Casing was then perforated from 5278-94' with jet gun using 8 shots per foot. Hole was swabbed dry and swabbing continued for 30 hours, recovering considerable BS. Perforations were then acidized with 1500 gallons 15% acid. Acid started in at 4 gallons per minute and 2200 psi and at the end of treatment was going in at 16 gallons per minute and 2000 psi. Load was recovered and well started flowing. Next day, July 23, 1950, the well flowed 110 bbls. of oil in 24 hours, with a gas-oil ratio of approximately 1400 cu. ft. per bbl., casing pressure 490 psi. Well was completed July 23, 1950.