



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa FeLease No. 37 079950Unit L. E. Lockhart

SUNDRY NOTICES AND REPORTS ON WELLS

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| NOTICE OF INTENTION TO DRILL..... | SUBSEQUENT REPORT OF WATER SHUT-OFF <u>Production</u> | <u>X</u> |
| 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..... | <u>Report of perforation</u> | <u>X</u> |
| | <u>Report of Sand-fracing</u> | <u>X</u> |

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

July 10, 1957

L. E. Lockhart
Well No. 1 is located 660 ft. from S line and 1900 ft. from E line of sec. 33
SW/4 SE/4 Sec. 33 33N 10W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undesignated (Gallup) San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6022 ^{Gr.} 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)

Set 5-1/2" casing (172 jts. 5485') at 5496' w/290 shs. (125 shs. reg. & 125 shs. Pennix) cement.

Perforated 5 1/2" casing w/4 Schlumberger 9/16" bullets per ft. from 5367-5369' to test cement job. Tested okay. Perforated 5 1/2" casing w/4 Schlumberger 9/16" bullets per ft. as follows: 5320-5340' (20') 80 shots; 5359-5366' (10') 40 shots.

Fractured thru 5 1/2" casing perforations 5320-5340' & 5359-5366' (Gallup formation) w/40,000# 20-40 sand & 41,160 gals. crude oil. Flushed w/3460 gals. crude oil. BDP 1950#, Max. TP 2250#, Min. TP 1750#, Inj. rate 58.5 BPH. Time of treatment 21 min. Used 1900 bbls. crude oil in treatment.

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

Company LockhartAddress San Juan, N.M.By J. KennedyTitle District Foreman

