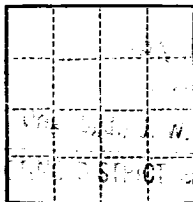


Land Office NewLease No. 078767Unit Room Unit14-0-001-587UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 |
| 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>Sub. Sand Frac.</u> |

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

December 28, 1955

Well No. 10-13 is located 690 ft. from N line and 590 ft. from E line of sec. 132-4 2-4
(1/4 Sec. and Sec. No.)11N
(Twp.)3
(Range)1-1-1
(Meridian)Wildcat
(Field)Rio Arriba
(County or Subdivision)New Mexico
(State or Territory)The elevation of the derrick floor above sea level is 62533 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding job, cementing points, and all other important proposed work)

Drilled to 5725', perf 5712-5746, 5698-5694, 5680-5676, 5662-5642, 5636-5620, 5612-5594, 5588-5584, by lane wells frac w/40,000 gal water and 50,000# ad, break down 500# avg. treat 600# max and final 900# went to vacuum injection rate 56.8 E.P.M. Set bridge plug 5520 and perf. 5450-5474, 5480-5490, 5496-5506, frac Menafee w/33,000 gals water 50,000# ad break down 2500# avg treat 1000# final 1300#, 600# after 5 minutes avg injection rate 41.1 E.P.M. set bridge plug at 5410 perf 5386-5302 frac w/25,000 gals water and 50,000# ad. Breakdown 2100# avg treat 700# max and final 1200# stdg 100# in 5 minutes injection rate 39.4 E.P.M. cleaned well to total depth. Ran 5667.42' of 2-3/8 4.7# 1-55 lone star tubing with 2.75' perf tbg set at 5678.17, released rig 9:00 A.M. 12-2-55.

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

Company PACIFIC ARTILEX REFINING CORPORATIONAddress 413 West Main StreetFarmington, New MexicoBy Original signed by T. A. DuganTitle District Engineer

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

1957-1958 ACADEMIC YEAR

PHYSICS 101

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