Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Las Cruces
Lease No. 028784 (c)
Unit Keely C

(SUBMIT IN TRIPLICATE)

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	X
NOTICE OF INTENTION TO ABANDON WELL			

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

Loco Hills, New Mexico, November 14, 1950

Well No. 42-C is located 1345 ft. from {N/S} line and 1345 ft. from {E/W} line of sec. 25

NW¼ Section 25 (¼ Sec. and Sec. No.) 17-S (Twp.) 29-E (Range) NMPM (Meridian)

Grayburg-Jackson (Field) Eddy (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3602 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)

TOTAL DEPTH: 3177'.

PAY ZONES: Ne-Tex Sand: 2557-76' broken (= 8' of net effective pay).
GRAYBURG-JACKSON PAYS: 2951-68' broken (= 6' of net effective pay).
2986'-3013' broken (= 9' of net effective pay).
3043-69' broken (= 10' of net effective pay).
3113-15'
3129-30'

(Continued on Sheet -2-)

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

Company GENERAL AMERICAN OIL COMPANY OF TEXAS

Address Box 416, Loco Hills, New Mexico

By N. W. Kroukop (Signature)

Title Asst. Field Supt.

Orleen Cor.

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

THIS WELL WAS ACIDIZED AS FOLLOWS:

At Total Depth 3072':

Natural swabbed 31.05 BOPD thru 7" casing from all zones.

Isolated zone from 2915'-3072' (Upper Grayburg-Jackson Section) with formation packer then swabbed 8.97 BO in 15 hours (made 5.52 BO last 8 hours of this test = rate of 16.56 BOPD) thru 3" tubing from zone 2915'-3072' only. Me-Tex Sand zone (above packer) apparently making 14.49 BOPD natural.

Treated with 1000 gallons of 20% HCl from 2915'-3072' (below formation packer). RESULTS OF THIS TREATMENT: Swabbed 62.55 BO in 20 hours (made 13.80 BO last 5 hours of this test = rate of 66.24 BOPD) thru 3" tubing from zone 2915'-3072' only.

Retreated with 4000 gallons of HCl (1000 gallons Of 20%, 2000 gallons of 17%, and 1000 gallons of 15%) from 2915'-3072'. RESULTS OF THIS TREATMENT: Swabbed 75.21 BO in 16 hours (made 17.94 BO last 4 hours of this test = rate of 107.64 BOPD) thru 3" tubing from zone 2915'-3072' only.

INITIAL PRODUCTION: After cleaning hole up swabbed 89.01 BOPD thru 7" casing.

COMPLETION DATE: 11-10-50.

SUBSEQUENT FLOW TESTS:

11-11-50 After running 2" tubing to 2959' well shut in 6:10 then flowed 22.77 BO in 2 hours thru open 2" tubing.

11-12-50: Flowed 47.61 BO in 24 hours stopcocking three 2 hour flows thru open 2" tubing with GOR 1895/1.

11-30-50: Flowed 52.78 BO in 22 hours stopcocking twenty-one 20 minute flows thru 1" choke.

11-14-50 Flowed 52.71 BO in 24 hours stopcocking twenty-three 20 minute flows thru 1" choke with GOR 2231/1.

REMARKS: Well was deepened from 3072' to 3177' with two possible pay zones logged from 3113-15' and 3129-30'. No noticeable increase in production was noted while deepening hole from TD 3072'. This together with the fact that microscopic examination of cuttings showed these two lower zones to be very poorly developed would indicate that considerable pressure would probably be required to successfully acidize this section, necessitating loading the hole with oil and pumping an excessive amount of load oil into the upper pay zones in order to control the oil/acid interface during treatment. Since a fairly good well had already been obtained from the upper zones it was decided to complete the well without acidizing the lower pays at this time.

This report will confirm telephone conversation of about 10-30-50 between Mr. John Frost and Mr. N. W. Krouskop.

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