

APPROVED
AUG 14 1951
District Engineer

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces

Lease No. 028784 (e)

Unit Kelly #C

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, August 11, 1951

Well No. 39-C is located 25 ft. from [N] line and 2615 ft. from [E] line of sec. 25

NE 1/4 Section 25
(1/4 Sec. and Sec. No.)

17S
(Twp.)

29E
(Range)

NMPN
(Meridian)

Grayburg-Jackson
(Field)

Eddy
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 3596 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: 3110'.

PAY ZONES: 2906-18' broken (= est. 4' of net effective pay).
2935-62' broken (= est. 8' of net effective pay).
3000-10' broken (= est. 4' of net effective pay).

THIS WELL WAS ACIDIZED AS FOLLOWS:

At TD 3021':

Natural bailed 42 GO in 2 hours (= rate of 12.00 BOFD).

On 7-21-51, washed with 250 gallons of 20% HCl.

On 7-22-51, treated with 1420 gallons of 20% HCl from 2859'-3021'
(below formation packer). RESULTS OF THIS TREATMENT: Scrabbed

26.22 BO in 16 hours (made 11.04 BO last 8 hours of this test =
rate of 33.12 BOFD) thru 3" tubing. (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 R. J. Heard
R. J. Heard,
Title Field Supt.

U. S. GEOLOGICAL SURVEY
RECEIVED
AUG 14 1951
ARTESIA, NEW MEXICO

ACIDIZING At TD 3021' (Continued):

On 7-24-51, retreated with 2500 gallons of 20% HCl from 2980'-3021' (below formation packer). RESULTS OF THIS TREATMENT: Swabbed 64.27 BO in 15 hours (made 15.87 BO last 4 hours of this test = rate of 95.22 BOPD) thru 3" tubing from zone 2980'-3021' only.

On 7-25-51, retreated with 1000 gallons of 20% HCl from 2849'-2970' (thru side door choke above formation packer). RESULTS OF THIS TREATMENT: Swabbed 123.84 BO (mostly hand-coll) in 24 hours (made 1.56 BO last 4 hours of this test = rate of 9.36 BOPD) thru 3" tubing from zone 2849'-2970' only.

At TD 3110':

On 8-3-51, washed with 500 gallons of 15% HCl then swabbed 2.08 BO in last hour of a 5 hour test (= rate of 49.92 BOPD) thru 2" tubing from all zones.

Isolated zone from 3025'-3110' with formation packer then swabbed 21.6 BO in 8 hours (= rate of 1.54 BOPD) natural thru 3" tubing from zone 3025'-3110' only.

On 8-5-51, treated with 1000 gallons of 20% HCl from 3025'-3110' (below formation packer). RESULTS OF THIS TREATMENT: Swabbed 43.20 BO in 8 hours (= rate of 3.09 BOPD) thru 3" tubing from zone 3025'-3110' only.

Note: Zone below 3025' not considered as commercial.

INITIAL PRODUCTION: Swabbed at rate of 49.92 BOPD thru 3" tubing (based on last 1 hour of a 5 hour test).

COMPLETION DATE: 8-5-51.

FINAL TUBING INSTALLATION: On 8-7-51, ran 2986.36' of 2" EUE 4.7# 8rd thrd tubing with old style American Flow Packer set at 2800.59'.

SUBSEQUENT FLOW TESTS:

8-10-51: Well was shut in 40:30 (shut in tubing pressure = 210#, shut in casing pressure = 210#) then flowed 19.32 BO in 24 hours stepcasting four 1 hour flows thru open 2" tubing.

8-11-51: Flowed 20.70 BO in 24 hours stepcasting four 1:30 flows thru open 2" tubing.

Washed 11, 1957

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