

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces
Lease No. 028766 (a)
Unit Acres 40

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 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)

Leas Hills, New Mexico, May 1, 19 51

Well No. 34-2 is located 2613 ft. from 1/4 line and 1293 ft. from E line of sec. 23

Section 23
(1/4 Sec. and Sec. No.)

13-2
(Twp.)

22-2
(Range)

N.M.P.M.
(Meridian)

Gregg County
(Field)

County
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 3700 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: 1200 ft.

PAY ZONES: 1157-23 broken (estimated 3' of net effective pay).
1157-40
1163-47
1211-51 broken (estimated 5' of net effective pay).

THIS WELL WAS ACIDIZED AS FOLLOWS:

At Total Depth 1157

General Union No. 6000 (at rate of 11.43 gals.)

Mixed with 300 gallons of 20% HCL (in two applications).

(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, Leas Hills, New Mexico

By R. J. Heard,
Title Field Supt.

DOI: 10.1002/for

At Total Depth 3142' (Continued):

On 4-10-51, treated with 1200 gallons of 20% HCl from 3072'-3142' (below formation packer). RESULTS OF THIS TREATMENT: Swabbed 46.23 BO in 12 hours (made 11.73 BO last 5 hours this test = rate of 56.30 BOPD) thru 3" tubing.

At Total Depth 3282':

Washed with 500 gallons of 20% HCl (in two applications) thru 2" tubing then swabbed 10.35 BO in 5 hours (= rate of 49.68 BOPD) thru 2" tubing from all zones.

Isolated zone from 3157'-3282' with formation packer then swabbed 172 GO in 8 hours (= rate of 12.30 BOPD) natural thru 3" tubing from zone 3157'-3282' only.

On 4-20-51, treated with 1000 gallons of 20% HCl from 3157'-3282' (below formation packer). RESULTS OF THIS TREATMENT: Swabbed 23.46 BO in 19 hours (made 8.28 BO last 8 hours this test = rate of 24.84 BOPD) thru 3" tubing from zone 3157'-3282' only.

On 4-21-51 retreated with 3500 gallons of 20% HCl from 3157'-3282' (below formation packer). RESULTS OF THIS TREATMENT: Swabbed 108.33 BO in 29 hours (made 16.56 BO last 8 hours this test = rate of 49.68 BOPD) thru 3" tubing from zone 3157'-3282' only.

On 4-23-51 retreated with 3500 gallons from 3048' (7" casing seat) - 3150' (thru side door choke above formation packer). RESULTS OF THIS TREATMENT: No increase.

Pulled standing valve above packer then swabbed 95.22 BO in 22 hours (made 22.08 BO last 8 hours this test = rate of 66.24 BOPD) thru 3" tubing from all zones.

INITIAL PRODUCTION: Swabbed at rate of 66.24 BOPD thru 3" tubing (based on last 8 hours of a 22 hour test).

COMPLETION DATE: 4-23-51 (date of last acid treatment).

FINAL TUBING INSTALLATION: On 4-25-51 ran 3139' ^{of 2" EUE tubing.} with old style American flow packer at 2920'.

SUBSEQUENT FLOW TESTS:

4-27-51: Well shut in 15 hours (FP = 310#, CP = 255#) then flowed 49.34 BO in 26 hours stepcocking one 2 hour and three 4 hour flows thru open 2" tubing.

4-28-51: Flowed 38.64 BO in 24 hours stepcocking three 4 hour flows thru open 2" tubing.

4-29-51: Flowed 43.47 BO in 24 hours on same method of flow.

4-30-51: Flowed 40.02 BO in 24 hours stepcocking two 4 hour and one 3 hour flows thru open 2" tubing with GOR 1770/1.

5-1-51: Flowed 42.09 BO in 24 hours stepcocking three 4 hour flows thru open 2" tubing with GOR 1713/1.

At Total Depth 3125' (Continued):
On 4-10-51, streaked with 1500 gallons of 20% HCl from 3125'-3131'
(below formation packer). RESULTS: No flow. This was
16.23 in 15 hours (made 11.73 in 15 hours with rate =
rate of 25.30 BHP) thru 3" tubing.

At Total Depth 3282':
Reached with 500 gallons of 20% HCl (in two applications) and 15
cups then swabbed 10.32 in 2 hours (= rate of 25.30 BHP) thru 3" tubing from all zones.
Isolated zone from 3125'-3282' with formation packer when swabbed
17.00 in 8 hours (= rate of 12.30 BHP) natural thru 3"
tubing from zone 3125'-3282' only.
On 4-20-51, streaked with 1000 gallons of 20% HCl from 3125'-3282'
(below formation packer). RESULTS: No flow. This was
swabbed 23.46 in 15 hours (made 6.28 in 15 hours with rate =
rate of 25.30 BHP) thru 3" tubing from zone 3125'-3282' only.
On 4-21-51, restacked with 3500 gallons of 20% HCl from 3125'-3282'
(below formation packer). RESULTS: No flow. This was
105.23 in 24 hours (made 16.36 in 15 hours with rate =
rate of 12.30 BHP) thru 3" tubing from zone 3125'-3282' only.
On 4-23-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-24-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-25-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-26-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-27-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-28-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-29-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 4-30-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-1-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-2-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-3-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-4-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-5-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-6-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-7-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-8-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-9-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-10-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-11-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-12-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-13-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-14-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-15-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-16-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-17-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-18-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-19-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-20-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-21-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-22-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-23-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-24-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-25-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-26-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-27-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-28-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-29-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-30-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.
On 5-31-51, restacked with 3500 gallons from 3045' (7" casing seal)
- 3125' (from also down on one above formation packer). No flow.

INITIAL FLOW TEST: Swabbed at rate of 60.25 BHP thru 3" tubing (banned on
last 8 hours of a 24 hour test).

CONCLUSION: 4-23-51 (date of last acid treatment).
of 2" casing tubing.
FINAL FLOW TEST: On 4-22-51 the 3125' North side American
flow packer at 2820'.

TESTING FLOW TESTS:
4-21-51: Well shut in 15 hours (TP = 210, CI = 252) then flowed 17.14
in 15 hours stopcocking one 1 hour and three 4 hour flows
thru 3" tubing.
4-22-51: Flowed 35.04 in 24 hours stopcocking three 4 hour flows thru
open 3" tubing.
4-23-51: Flowed 43.47 in 24 hours on same method of flow.
4-24-51: Flowed 10.05 in 24 hours stopcocking two 4 hour and one
hour flows thru open 3" tubing with GOR 1750/L.
5-1-51: Flowed 45.02 in 24 hours stopcocking three 4 hour flows thru
open 3" tubing with GOR 1713/L.