

C O P Y

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces

Lease No. 028784-93 (b) Tr. A

Unit Kealy B

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.....	<input checked="" type="checkbox"/>
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.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....			

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

~~Loco Hills, New Mexico, January 9~~, 19 ~~51~~

Well No. 20-B is located 1295 ft. from N line and 2615 ft. from E/W line of sec. 25

NW 1/4 Section 25 17-S 29-E NDM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

THIS WELL WAS DEEPEMED AND RECOMPLETED AS FOLLOWS:

OLD TOTAL DEPTH: 3108'

NEW TOTAL DEPTH: 3202'

NEW GRAYBURG-JACKSON PAY: 3116-93' broken (= est. 9' of net effective pay).

ACIDIZING RECORD:

At Total Depth 3202':

Prior to acidizing lower zone well bailed 62.5 BOPH (= rate of 35.71 BOPD from all zones).

(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. Hoard (Signature)

Title Field Supt.

C O P Y *Return*

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ACIDIZING At Total Depth 3202' (Continued)

Washed hole with 336 gallons of 20% HCl (in two applications) then bailed 24.3 BO in 4 hours (= rate of 34.74 BOPD) from all zones. Isolated zone from 3108'-3202' with formation packer then swabbed 44.8 BO in 8 hours (= rate of 3.20 BOPD) natural from zone 3108'-3202' only.

On 12-20-50 treated with 1164 gallons of 20% HCl from 3108'-3202'. RESULTS OF THIS TREATMENT: Swabbed 15.26 BO in 33 hours (made 2.58 BO last 8 hours of this test = rate of 7.74 BOPD) thru 3" tubing from zone 3108'-3202' only.

On 12-22-50 retreated with 3000 gallons of 20% HCl from 3108'-3202'. RESULTS OF THIS TREATMENT: Swabbed 35.18 BO in 31 hours (made 4.55 BO last 6 hours this test = rate of 18.20 BOPD) thru 3" tubing from zone 3108'-3202' only.

NEW INITIAL PRODUCTION TESTS:

Bailed and swabbed at rate of 50.71 BOPD thru 7" casing and 3" tubing.

RECOMPLETION DATE:

12-22-50.

FINAL TUBING INSTALLATION:

On 12-29-50 ran 3110' of 2" EUE 4.7# 8rd thrd tubing with old style American Flow Packer at 2877'.

SUBSEQUENT FLOW TESTS:

12-30-50 Well shut in 20:30 (Tubing pressure = 290#, Casing pressure = 300#) then flowed 5.52 BO in 4:35 thru 1" choke.

1-1-50 Flowed 17.94 BO in 24 hours stopcocking twenty-four 20 minute flows thru 1" choke.

1-2-50 Flowed 13.52 BO in 18 hours stopcocking six 1 hour flows thru 1" choke.

1-4-50 Shut in 19:50 then flowed 32.24 BO in 24 hours stopcocking twelve 40 minute flows thru 1" choke.

1-5-50 Flowed 24.70 BO in 24 hours on same method of flow.

1-6-50 Flowed 23.92 BO in 24 hours on same method of flow.

1-7-50 Flowed 23.92 BO in 24 hours on same method of flow with GOR 3245/1.

1-8-50 Flowed 23.92 BO in 24 hours on same method of flow.

ACIDIZING AT TOTAL 10,000 GALLONS (Continued)
Washed hole with 300 gallons of 20% HCl (in two applications) then
balled 24.00 in 4 hours (= rate of 24.00 HOPD) from a
isolated zone from 3108'-3202' with formation broken then swabbed
44.00 in 8 hours (= rate of 24.00 HOPD) resulting from some
3108'-3202' only.
On 12-20-50 treated with 1000 gallons of 20% HCl from 3108'-3202'.
RESULTS IN THIS TREATMENT: Swabbed 12.00 in 2 hours (from
2.50 to 5 hours at this test = rate of 24.00 HOPD) from 31
tubing from zone 3108'-3202' only.
On 12-22-50 retreated with 3000 gallons of 20% HCl from 3108'-3202'.
RESULTS ON THIS TREATMENT: Swabbed 32.00 in 2 hours (from
4.50 to 6 hours at this test = rate of 12.00 HOPD) from 31
tubing from zone 3108'-3202' only.

NEW INITIAL PRODUCTION RESULTS:
Balled and swabbed at rate of 20.75 HOPD from 20 casing and 3" tubing.

RECOMPLETION DATE:
12-22-50.

FINAL TUBING INSTALLATION:
On 12-22-50 ran 2 1/2" of 20 EUE A. 1 1/2" and 1 1/2" tubing with 10' of 2 1/2" A.
American Flow located at 2870'.

SUBSEQUENT FLOW TESTS:
12-30-50 Well shut in 20:30 (Tubing pressure = 2400', casing pressure =
2300') then flowed 2.52 in 14:30 then 1" choke.
1-1-50 Flowed 17.44 in 24 hours stopcocking twenty-four 20 minutes
flows shut in choke.
1-2-50 Flowed 12.22 in 18 hours stopcocking six 1 hour flows then
1" choke.
1-4-50 Shut in 12:50 then flowed 32.00 in 24 hours stopcocking
twelve 40 minute flows then 1" choke.
1-5-50 Flowed 24.70 in 24 hours on same method of flow.
1-6-50 Flowed 22.92 in 24 hours on same method of flow.
1-7-50 Flowed 22.92 in 24 hours on same method of flow with 600' of 2 1/2".
1-8-50 Flowed 22.92 in 24 hours on same method of flow.