

Form 9-331a
(Feb. 1951)APPROVED
JUN 20 1952
James I. [unclear]
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Las Cruces
Lease No. 1000 (s)
Unit 1000JUN 23 1952
Oil Cons. Comm.
Artesia Office

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 | |
| NOTICE OF INTENTION TO ABANDON WELL | | |

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

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2 Copies - USGS

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Loce Hills, New Mexico, June 18, 1952Well No. 12-C is located 1980 ft. from 1/4 line and 1980 ft. from 1/4 line of sec. 25SW 1/4 Section 25
(1/4 Sec. and Sec. No.)17-3
(Twp.)29-E
(Range)NMPH
(Meridian)Grayburg-Jackson
(Field)Eddy
(County or Subdivision)New Mexico
(State or Territory)The elevation of the derrick floor above sea level is 3582 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)

HISTORY PRIOR TO ACIDIZING:

On 11-22-50 operations were completed on deepening this well from old total depth of 3225' to new total depth of 3262' and well was recompleted for new initial production of rate of 396.48 BOPD (based on a 10:20 test) swabbing and flowing thru 7" casing without acidizing new pay zone logged from 3245-62'.

From 5-21-52 to 6-1-52 well flowed an average of 27.57 BOPD for 12 days stopcocking three 2 hour flows per day thru 3/4" choke on 2" tubing from all zones with an average GOR of 1993/1. 8:00 shut-in tubing pressure = 2704.

(Continued on next sheet)

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 TEXASAddress Box 416, Loce Hills, New MexicoBy R. J. Heard
R. J. Heard,
Field Supt.

SUNDRY NOTICES AND REPORTS ON WELLS
Subsequent Report Acidizing

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HISTORY PRIOR TO ACIDIZING (Continued):

- On 6-3-52 isolated zone from 3229-62' with Sweet Formation Packer run on 3" tubing. Perforations at 3258'.
- 6-4-52 Swabbed and flowed 65.26 BO in 18:30 thru 3" tubing from zone 3229-62' only.
- 6-5-52 Swabbed and flowed 49.88 BO in 24:00 thru 3" tubing from zone 3229-62' only.
- 6-6-52 Swabbed 44.16 BO in 8:00 (= 24:00 accumulation) thru 3" tubing from zone 3229-62' only.
- 6-7-52 Shut in 16:00 then flowed 27.73 BO in 8:00 thru 2" choke on 3" tubing from zone 3229-62' only. GOR = 1353/1. 16:00 shut-in tubing pressure = 320#.
- 6-8-52 Shut in 16:00 then flowed 25.48 BO in 8:00 thru 2" choke on 3" tubing from zone 3229-62' only. 16:00 shut-in tubing pressure = 225#.
- 6-9-52 Shut in 16:00 then swabbed and flowed 24.44 BO in 8:00. 16:00 shut-in tubing pressure = 290#. Shut-in 4:00 then flowed 39.33 BO in 12:30. Total production swabbing and flowing 20:30 out of 29:00 period = 63.77 BO thru 3" tubing from zone 3229-62' only. 138:30 shut-in casing pressure (from zones above 3229' only) = 520#.

RECORD OF ACID TREATMENT:

Date of Treatment: 6-9-52.
Interval Treated: 3229-62'.
Gallons and Type of Acid: 1500 gallons of 20% HCl containing surface tension reducer and emulsion breaker.
Method of Treatment: Conventional one stage below formation packer.
Treating Company: Dowell, Inc.
Maximum Injection Pressure: 700#.
Pressure at End of Flush: Vacuum.
Total Injection Time: 37 minutes.

RESULTS OF TREATMENT:

- 6-10-52 After recovering oil flush and spent acid water, well swabbed and flowed 40.08 BO in 3:30 thru 3" tubing from zone 3229-62' only. Left well open next 15:30 but did not flow.

SUNDRY NOTICES AND REPORTS ON WELLS
Subsequent Report of Acidizing

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RESULTS OF TREATMENT (Continued):

- 6-11-52 Well swabbed and flowed 88.32 BO in 8:30 thru 3" tubing from zone 3229-62' only. Left well open next 15:30, but did not flow.
- 6-12-52 Well swabbed and flowed 99.06 BO in 8:30 thru 3" tubing from zone 3229-62' only. Left well open next 15:30, but did not flow.
- 6-13-52 Well swabbed and flowed 104.44 BO in 8:30 thru 3" tubing from zone 3229-62' only. Shut well in next 15:30. 15:30 shut-in tubing pressure = 305#.
- 6-14-52 Well shut in 15:30 then flowed 104.88 BO in 9:00 thru 2" choke on 3" tubing from zone 3229-62' only.
- 6-15-52 Well shut in 15:00. 15:00 shut-in tubing pressure = 305#. Then flowed 106.38 BO in 9:00 thru 2" choke on 3" tubing from zone 3229-62' only.
- 6-16-52 Well shut in 15:15. 15:15 shut-in tubing pressure = 310#. Then flowed 103.95 BO in 9:00 thru 2" choke on 3" tubing from zone 3229-62' only. GOR = 1634/1.
- 6-17-52 Well shut in 15:00. 15:00 shut-in tubing pressure = 310#. Then flowed 104.19 BO in 9:00 thru 2" choke on 3" tubing from zone 3229-62' only.

Net Results of Treatment: Increased from rate of 25.88 BOPD (3 day average flowing and swabbing 8:00 per day thru 2" choke on 3" tubing) to rate of 101.16 BOPD (7 day average flowing and swabbing 8:30 - 9:00 per day thru 2" choke on 3" tubing). Comparable tests from zone 3229-62' only.

REMARKS: Mr. Jack Frost verbally approved this treatment in telephone conversation on June 2, 1952, with Mr. N. W. Krouskop.