

APPROVED OCT 30 1951
James A. Knapp
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Las Cruces
Lease No. 026764 (c)
Unit Keely 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	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	<input checked="" type="checkbox"/>
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)

Leoco Hills, New Mexico, October 26, 19 51Well No. 14-C is located 1980 ft. from N line and 660 ft. from 16 line of sec. 26SW 1/4 NW 1/4 Sec. 26
(1/4 Sec. and Sec. No.)17-S
(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 3577 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: 3430' Plugged Back to 3368'.PRODUCING ZONE: Grayburg-Jackson from 2760'-2883' (broken). Note: Grayburg-Keely Zone not present in this well. No increase from deepening.

RECORD OF TESTS WHILE DEEPENING:

At TD 3296' bailed 11.20 GPH (= rate of 6.40 BOPD).At TD 3414' bailed 10.40 GPH (= rate of 5.94 BOPD).At TD 3430' bailed 22.4 GW & 55.2 GQ in 7 hours (= rate of 1.83 BW and 4.52 BOPD). Show Salt Water 3420-30' (Smpls.).

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

Title

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SUBSEQUENT REPORT OF ACIDIZING
SUBSEQUENT REPORT OF ALTERING CASING
SUPPLEMENTARY WELL HISTORY

Kealy C 14
October 26, 1951
Sheet -3-

RECORD OF PLUGGING BACK:

Interval	Plugging Material
3330'-3382'	Cal-Seal
3382'-3368'	Hydramite

After plugging back bailed 23.6 GW and 104.0 GO in 11 hours (= rate of 1.23 BW and 5.40 BOPD).

RECORD OF PERFORATING LINER:

Interval	Size Shots	No. of Shots
2825-35'	3/4"	30
2860-70'	3/4"	30

After perforating tested 14 GW and 57.2 GO in 6 hours (= rate of 1.33 BW and 5.45 BOPD).

RECORD OF ACIDIZING: On 10-4-51 treated down casing with 2000 gallons of 20% HCl. Followed oil/acid interface with Howell Survey Electrode. Pumped only enough oil into casing to keep acid moving. Followed interface to 2873'. Slight amount of acid going below this point. RESULTS OF THIS TREATMENT: After recovering oil flush well swabbed 12.42 BOPD thru 7" casing (made 4.14 last 8 hours this test (= rate of 12.42 BOPD).

RECOMPLETION DATE: 10-6-51.

FINAL TUBING INSTALLATION: On 10-6-51 ran 2863.72' (93 joints and mud anchor) of 2" EUE 3rd thrd tubing with 7" OD x 2" EUE old style American flow packer at 2661.58'. Perforations at 2850.12'. Pin in anchor at 2851.22'.

NEW INITIAL PRODUCTION: Swabbed 12.42 BOPD thru 7" casing.

SUBSEQUENT FLOW TESTS:

- 10-9-51 Well flowed an average of 3.11 BOPD for 10 days stopcocking various methods thru 3/4" choke.
- 10-19-51 Well flowed 13.11 BO in 24 hours stopcocking six 30 minute flows per day thru 3/4" choke.
- 10-20-51 Well flowed 13.11 BO in 24 hours stopcocking seven 30 minute flows thru 3/4" choke.
- 10-21-51 Well flowed 8.28 BO in 24 hours stopcocking six 30 minute flows thru 3/4" choke.
- 10-22-51 Well flowed 6.90 BO in 24 hours thru 3/4" choke stopcocking five 21 minute flows.
- 10-23-51 Well flowed 4.14 BO in 24 hours stopcocking five 21 minute flows thru 3/4" choke.
- 10-24-51 Well flowed 6.21 BO in 24 hours stopcocking six 21 minute flows thru 3/4" choke.

10-25-51
 10-26-51
 10-27-51

A. F. HARRIS REPORT OF WORKING
 10-25-51
 10-26-51
 10-27-51

RECORD OF WORKING DATA
 Interval
 10-25-51
 10-26-51
 10-27-51
 After pumping back pulled 25.0 GW and 100.0 GW in 10 hours (= rate of 1.25 GW and 2.50 GW).

RECORD OF WORKING DATA
 Interval
 10-25-51
 10-26-51
 10-27-51
 After pumping back pulled 14 GW and 25.0 GW in 6 hours (= rate of 1.25 GW and 2.50 GW).

SUMMARY OF WORKING DATA
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 After pumping back pulled 25.0 GW and 100.0 GW in 10 hours (= rate of 1.25 GW and 2.50 GW).

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