Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

APPROVED
DEC 8 1953
DISTRICT ENGINEER

(*SUBMIT IN TRIPLICATE*)

Land Office

Lease No. 028784 (C)

Unit Keely C

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 [redacted]	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 RE-DRILLING 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		Subsequent Report of Hydrafrac Treatment	X

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

Loco Hills, N.M. Dec. 4, 1953

Well No. 44 is located 1295 ft. from [✓ N] S line and 2615 ft. from [✓ E] W line of sec. 26

SW/4 Sec. 26 (¼ Sec. and Sec. No.) 17-S (Twp.) 29-E (Range) NMPM (Meridian)

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

The elevation of the derrick floor above sea level is 3569' 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)

PRODUCTION TESTS PRIOR TO TREATMENT: Flowed 13 BOPD from San Andres.

RECORD OF ACIDIFICATION: Nov. 18, 1953 ran Lane Wells Radioactivity log from 3103' to surface, then perforated with 93 - 5/32" bullets 2518' to 2534'. Nov. 19, ran Halliburton HR Straddle Packer on 2-1/2" EUE tubing. Hookwall packer at 2544', perforation 2542', and anchor packer 2508'. Nov. 20, ran swab. 200' fill-up in tubing. Treated with 500 gal. MCA. Maximum inj. press. 2500 psig. Pressure end of flush 1200 psig. Total inj. Time 17 min. Flushed W/16.66 BO. Swabbed oil load and acid water. Nov. 21, well open 16 hrs. Ran swab and recovered 400' free oil. Broke formation down with oil @ 2500 psig. Inj. rate 10 BPM. Attempted to fracture w/3000 gals. hydrafrac. When gel reached tubing perforation sand plugged same. Could not clear w/5000 psig. Opened bypass on top packer and reversed gel out.

(Continued on next page)

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 CO. OF TEXAS

Address P.O. Box 416
Loco Hills, N.M.

By R J Heard

Title R. J. Heard, Field Superintendent.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

RECORD OF RECOMPLETION: (Continued)

Nov. 22: Pulled and re-ran packers to same depths with slotted perforations.
Nov. 23: Broke down formation W/oil @ 2500 psig, breaking to 2100 psig. Inj. rate 10 BOPM. Fractured W/3500 gals. hydrafrac W/2.5# sand per gal. followed by 68 bbls. breaker. Flushed W/30 BO - 15 BO overflush. Maximum inj. press. 3200 psig; end of flush 2300 psig. Total inj. time 25 min. Shut-in 4:00 P.M. Pressure 1200 psig. Total fluid to recover 268 bbls.

RESULTS OF TREATMENT:

Nov. 24: Opened at 12:00 noon. Final shut-in press. 645 psig.
Nov. 25: Flowed 18 BO in 20 hours. Ran swab 6 times and recovered 40 BO. Well kicked off and flowed.
Nov. 26: Flowed 276 BO in 24 hours.

SUBSEQUENT FLOW TESTS:

11-27	Flowed	144 BOPD	stopcocking	4 - 4hr.	flows	per	day.
11-28	Flowed	105 BOPD	"	4 - 4 hr.	"	"	"
11-29	Flowed	84 BOPD	"	4 - 4 hr.	"	"	"
11-30	Flowed	83 BOPD	"	4 - 4 hrs.	"	"	"

Dec. 1, started producing at rate of 40 BOPD