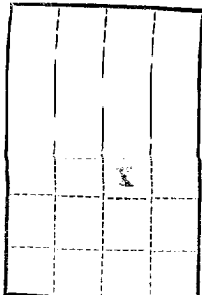


(SUBMIT IN TRIPLICATE)

Land Office

Las Cruces



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No.

Unit

NAFV

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 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 Final Completion	XX

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

Lockhart 8-1

February 27, 1957

Well No. 4 is located 1980 ft. from [N] line and 2310 ft. from [E] line of sec. 1

NE 1/4 Sec 1

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

22 36

(Twp.)

(Range)

NAFV

(Meridian)

Arrowhead

(Field)

Lea

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is _____ 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)

Before workover: TO Sand 3800', OF 10', elev 3513'. Pay Grayburg 3727-3800' open hole. Casing point 5 1/2" set at 3727'. Pumping 56 bbls oil, 59 bbls water in 24 hrs on 2 1/2" tbg, gas volume 122 MC/PS, COR 2176. COR 56 bbls, daily allowable 43 bbls.

Work done: Cleaned out to 3800'. Set Baker model 3 prod packer, at 3672' with 30' 2" tail pipe. Tail pipe perf w/4 bullets 3688-3689'. 2" seating nipple 3700', Garrett sleeve valve at 3710'. Perf 5 1/2" csg 3494-3544' w/4 jet holes per ft. Sandfraced w/6000 gals lease crude w/1/2 sand and 0.1 adomite per gal. Perf 5 1/2" csg 3372-3402', 3414-36', 3440-51', 3455-61' w/4 jet holes per ft. Treated w/6000 gals lease crude w/1/2 sand and 0.1 adomite per gal. Installed 1 1/2" tbg and 5/8" rods inside 2 1/2" tbg. Pumping thru 1 1/2" tbg. (Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Continental Oil Company

Address Box 64, Sunco, New Mexico

By

Title District Superintendent

After workover: to sand 3800'. casing about 5 1/2" set at 3727'. Arrowhead oil completion: Ray Graham 3727-3800' open hole. casing 22 bbls oil 33 bbls water in 24 hrs with open choke on 1 1/2" oil. gas volume 22.3 mcf/d, non 2796. 20% 28 bbls, daily allowable 28 bbls oil. Pipe line conn: Texas-New Mexico Pipe Line Co. Tested 2-22-57.

Amount gas completion: Ray Queen 3372-3547'. Per 3372-3602'. 3470-51', 3455-61', 3494-3547'. Calculated open flow potential 5300 MCF/D. 3123 MCF/D. Reliability: at 600 MCF/D 4910 MCF/D, at 150 MCF/D 5175 MCF/D. Estimated daily allowable 400 MCF/D. Probable pipe line conn: El Paso Natural Gas Co. Tested 2-14-57.

Workover started 1-15-57, completed 2-21-57.