

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

Place

October 14, 1946

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Gulf Oil Corporation

Company or Operator

Albee Padlock

Lease

Well No. 3 in C SE SEof Sec. 1, T. 22S, R. 37E, N. M. P. M., Undesignated Field.Lea

County.

## FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

See attached sheet.

Approved OCT 17 1946, 19\_\_\_\_  
except as follows:

As long as well does not exceed  
current top allowable.

OIL CONSERVATION COMMISSION,

By L. R. SpurrickTitle DirectorGulf Oil Corporation

Company or Operator

By E. J. GallagherPosition District Superintendent

Send communications regarding well to

Name E. J. GallagherAddress Box 1667Hobbs, New Mexico

**Proposed Plan of Work  
Paddock No. 3**

The 7" O. D. casing was perforated from 6180 - 6190 feet and 6210 - 6250 feet with six 15/32" holes on April 29, 1946, with plug back total depth of 6350 feet. The exposed section was treated with 2000 gallons of acid on May 2, 1946, and re-treated with 5000 gallons of acid on May 6, 1946, and after second treatment it tested 60 barrels of oil and 1,468,218 cu. ft. of gas per day. In an attempt to reduce the excessive gas-oil ratio, the tubing was pulled and re-run with hook-wall packer by Otis Pressure Control and the packer was set at 6202 feet or between the two perforated zones. The perforated zone below the packer tested 27 barrels of oil and 1,098,000 cu. ft. of gas daily; the perforated zone above the packer tested 17 barrels of oil and 1,152,555 cu. ft. of gas daily. Since the gas-oil ratio was unsatisfactory from either section of perforations, the packer was pulled and the tubing was re-run in a normal manner.

Recently a series of tests were taken on this well to determine the advisability of utilizing the produced gas from this lease for gas lift purposes on the Paddock lease. Following are the results of these tests at different tubing back pressures:

Date	Gas MCF	Tbg. Pres.	Gas. Pres.	Oil Bbls.	Choke Opening	GOR
8/29 to 8/30	1,167.57	1125#	1275#	27	Cracked Plug Valve	43,243
8/30 to 8/31	1,491.24	550#	700#	55	11/32"	27,113
8/31 to 9/1	1,443.42	500#	650#	38	11/32"	37,989
9/1 to 9/2	1,385.10	475#	625#	33	11/32"	41,972
9/2 to 9/3	1,124.41	960#	1060#	17	5/16"	66,141
9/3 to 9/4	1,351.27	575#	725#	27	5/16"	50,047
9/4 to 9/5	1,270.79	560#	700#	38	5/16"	33,446

The proposal recommended for approval is as follows:

(1) Complete and operate Paddock No. 3 as a gas well in accordance with State Regulations.

(2) Install a high pressure separator and utilize all available gas for gas lift purposes on the Paddock lease. Incidentally, Paddock No. 4 is at present being produced by gas lift and it is expected that outside gas will have to be used on Paddock No. 2 in the near future.

(3) Be given an allowable based upon the amount of oil produced along with the gas used for gas lift purposes. This well will be marginal and its daily allowable will be nominated dependent upon the amount of gas utilized on the lease.

By operating this well in this manner, the gas will serve a three fold purpose; namely, lift available oil from Paddock No. 3, gas-lift the oil production from Paddock Wells No. 2 and 4, and gas sales to Skelly Oil Company whose Eunice Gathering System is tied into the vent lines on this lease. Consequently, there will be no waste of gas and the Conservation Laws will be preserved.

PCE:lfr