

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, 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 CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE	X	NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICOBunice, New Mexico
(Place)May 26, 1960
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

Continental Oil Company

(Company or Operator)

Wantz

Well No. 4-A in 0

(Unit)

SW 1/4 SE 1/4 of Sec. 21, T. 21-S, R. 37-E, NMPM., Wantz Abo Pool

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Wantz No. 4-A was completed 10-28-48 in the Ellenburger. On 10-16-58, this well was plugged back to 7790' in the Abo formation and at present is TSD.

We propose to treat the perforated interval 7130-7235' with 15,000 gals. 7-1/2% buffered acid, swab well in and place on production.

Approved....., 19.....
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy.....
Title.....Continental Oil Company
Company or Operator

By.....

Position..... District Superintendent
Send Communications regarding well to:

Name..... J. R. Parker

Address..... Box 68, Bunice, New Mexico

0/2 NOCC; St. Land Office-2; WAM File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blinebry Formation Blinebry County Lea
Initial X Annual _____ Special _____ Date of Test 6-26-59
Company Continental Oil Company Lease Wantz Well No. 4-A
Unit 0 Sec. 21 Twp. 21 Rge. 37 Purchaser Not connected
Casing 7" Wt. 23# I.D. 6.366 Set at 8265 Perf. 5490 To 5585
Tubing 2 1/2" Wt. 6.5# I.D. 2.441 Set at 7035 Perf. _____ To _____
Gas Pay: From 5490 To 5585 L 5490 xG .704 -GL 3865 Bar.Press. 13.2
Producing Thru: Casing X Tubing _____ Type Well G. O. Dual
Date of Completion: 6-19-59 Packer 7035 Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. 110

OBSERVED DATA

Tested Through ~~XXXXXX~~ ~~XXXXXX~~ (Meter)Type Taps Flange

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
1.	4"	1.750	560	32.00	54	1,671	989	72
2.								6
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient Flg. (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	19.27	135.4	573.2	1.0058	.9232	1.077	2,608
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c .865 (1-e^{-s}) .234

Specific Gravity Separator Gas .704
Specific Gravity Flowing Fluid _____
P_c 1684.2 P_c 2836.5

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	1002.2	1004.4	2.25	5.062	1.184	1005.6	1830.9	1002.8	59.54
2.									
3.									
4.									
5.									

Absolute Potential: 3,160 MCFPD MCFPD; n 1.000COMPANY Continental Oil CompanyADDRESS Box 68, Eunice, New MexicoAGENT and TITLE T. E. Fay, Gas Tester District SuperintendentWITNESSED T. E. Fay, Gas TesterCOMPANY Continental Oil Company

REMARKS

Made 3 bbls. of 68.8 (corrected) gravity distillate in 6 hours during test.
Well tested to air - no connection.
NMOCC-23 WEG HLJ WAM File-2

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

Company: Continual Oil Company
 Well: Wantz No. 4-A
 Location: Unit O, Section 21-21-37
 Pool: Blinebry
 Date: 6-26-59

Open Flow Potential = 3,160 MCFGPD

