

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Las Cruces  
Lease No. LC 032573b  
Unit NAPU

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	<u>Subsequent Apt of Plugback</u>	<u>X</u>

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

Elliott 5-15 Unit A/C 2 December 7, 1956

Well No. 1-T is located 2130 ft. from N line and 1280 ft. from E line of sec. 15

NS/4 Sec 15 22 S 37 E NAPU  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Tubb Lea New Mexico  
(Field) (County or Subdivision) (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: TD Granite 7353', PB 6806', 10' 10', elev 3394', casing point 7" set at 6383'. Open hole 6383-6806'. This well was temporarily abandoned after drilling and has never produced. Work Done: Set retainer at 6341', squeezed open hole 6383-6806' with 200 sacks cement. Perf 6006-6055', 6084-6100' w/2 jets per ft. Acidised with 3000 gals 20% LSTMs, sandfraced with 10,000 lease crude with 1" sand and 0.1% adomite per gal. After workover: TD Granite 7353', PB 6341'. Pay Tubb 6006-6100'. Perf 6006-55', 6084-6100'. Calculated open flow potential 545 MCFPD. S.I.P. 1390 PSIG. Deliverability: at 600 PSIG 417 MCFPD, at 150 PSIG 538 MCFPD. Estimated daily allowable 500 MCFPD. Probable pipeline conn: El Paso Natural Gas Co.

Workover started 12-15-56, completed 12-4-56, tested 12-4-56.

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 68

Lunika, New Mexico

By \_\_\_\_\_

Title District Superintendent

## NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE, OCC

Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Tubb Formation Tubb 1957 FEB 11 AM 9:48 Lea County Lea

Initial X Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 12-4-56

Company Continental Oil Co pany Lease Elliott B-15 s/c 2 Well No. 1

Unit G Sec. 15 Twp. 22-S Rge. 37E Purchaser 1 Paso Natural Gas

Casing 7" Wt. 22 I.D. 6.398 Set at 6383 Perf. 6000 To 6100

Tubing 2 Wt. 4.70 I.D. 1.995 Set at 6309 Perf. None To \_\_\_\_\_

Gas Pay: From 6006 To 6100 L 6309 xG .060 -GL 4164 Bar.Press. 13.2

Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well Sin 1e

Date of Completion: 11-1-56 Packer None Single-Bradenhead-G. G. or G.O. Dual 900 Reservoir Temp. \_\_\_\_\_

## OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps \_\_\_\_\_

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h <sub>w</sub>	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	4"	1 1/4"			75°	1370				72
2.						362				24
3.										
4.										
5.										

## FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCFPD @ 15.025 psia
1.	1.352		375.2	.9995	.9555	1.837	497
2.							
3.							
4.							
5.							

## PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.

Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.

F<sub>c</sub> 9.936 (1-e<sup>-s</sup>) 0.249

Specific Gravity Separator Gas \_\_\_\_\_

Specific Gravity Flowing Fluid \_\_\_\_\_

P<sub>c</sub> 1403.2 P<sub>c</sub> 1968.9

No.	P <sub>t</sub> (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Cal. P <sub>w</sub>	P <sub>w</sub> P <sub>c</sub>
1.	375.2	140.8	4.938	24.38	6.07	146.9	1822.0	383.4	27.3
2.									
3.									
4.									
5.									

Absolute Potential: 545 MCFPD; n 1.000COMPANY Continental Oil CompanyADDRESS Box 68, Eunice, New MexicoAGENT and TITLE F. Z. Keller, District Superintendent

WITNESSED \_\_\_\_\_

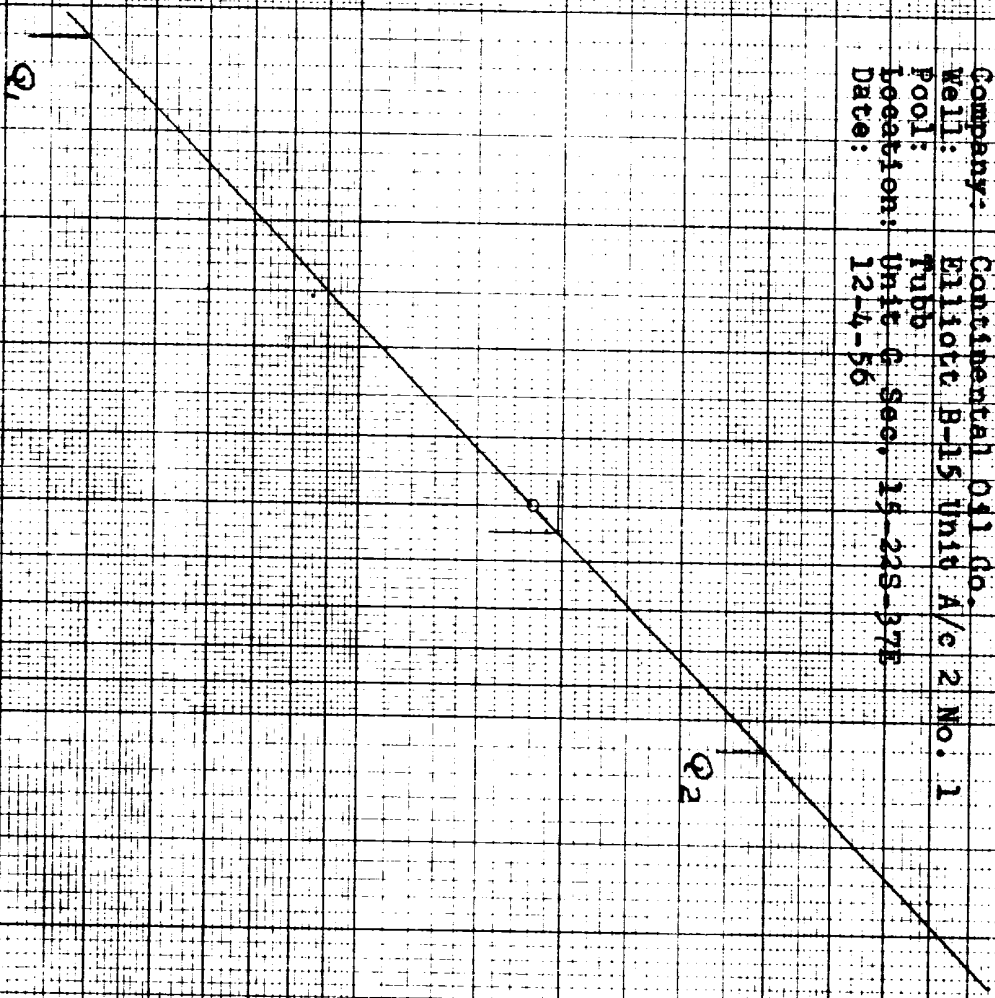
COMPANY \_\_\_\_\_

REMARKS \_\_\_\_\_



Company: Continental Oil Co.  
Well: Elliott B-15 Unit A/c 2 No. 1  
Pool: Tubbs  
Location: Unit 6 Sec. 19-22S-37E  
Date: 12-4-56

$$P_e^2 - P_w^2 \text{ (Thousands)}$$



$Q_2 = 1,110;$   $\log = 3.0543230$   
 $Q_1 = 111;$   $\log = 2.0543230$   
 Slope = 1,000

Open Flow Potential = 545 MCHD

Q: MCF D-15025

10,000