

**NEW MEXICO OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

**REQUEST FOR (OIL) - (GAS) ALLOWABLE**

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

**Farmington, New Mexico - Oct. 19, 1961**

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

**TEXACO Inc** **L. M. Barton**, Well No. **1**, in **SE**  $\frac{1}{4}$  **NW**  $\frac{1}{4}$ ,  
(Company or Operator) (Lease)

**F**, Sec. **12**, T. **30-N**, R. **12-W**, NMPM, **Undesignated Mesa Verde** Pool

Unit Letter

**San Juan**

Please indicate location:

D	C	B	A
E	F O	G	H
L	K	J	I
M	N	O	P

County. Date Spudded **6/23/61** Date Drilling Completed **7/16/61**  
Elevation **5668' DF** Total Depth **6800'** PBD **6748'**

Top Oil/Gas Pay **4412'** Name of Prod. Form. **Mesa Verde**

PRODUCING INTERVAL -

Perforations **4412' to 4440' & 4542' to 4562'**

Open Hole ----- Depth **6764'** Depth **4400'**  
Casing Shoe Tubing

OIL WELL TEST -

Natural Prod. Test: --- bbls. oil, --- bbls water in --- hrs, --- min. Size --- Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): --- bbls. oil, --- bbls water in --- hrs, --- min. Size --- Choke

GAS WELL TEST -

Natural Prod. Test: **None** MCF/Day; Hours flowed --- Choke Size ---

Tubing, Casing and Cementing Record

Size	Feet	Sax
<b>10 3/4"</b>	<b>311</b>	<b>200</b>
<b>7"</b>	<b>4800</b>	<b>1275</b>
<b>4 1/2" L</b>	<b>4672</b> <b>6764</b>	<b>450</b>
<b>2 3/8"</b>	<b>4400</b>	<b>-</b>
<b>2 3/8"</b>	<b>6485</b>	<b>-</b>

Method of Testing (pitot, back pressure, etc.): -----

Test After Acid or Fracture Treatment: **2013** MCF/Day; Hours flowed **3 hrs.**

Choke Size **3/4"** Method of Testing: **Back Pressure**

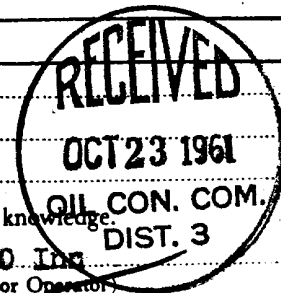
Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): **64,000 gallons of water and 47,000# sand.**

Casing Tubing **4412' to 4440'**  
Press. **1240** Press. **1239** **Gas tested 9/8/61**

Oil Transporter -----

Gas Transporter -----

Remarks: -----



I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved **OCT 23 1961**, 19-----

**TEXACO Inc**  
(Company or Operator)

**OIL CONSERVATION COMMISSION**

By: **[Signature]**  
(Signature)

By: **Original Signed Emery C. Arnold**

Title: **District Superintendent**  
Send Communications regarding well to:

Title: **Supervisor Dist. # 3**

Name: **TEXACO Inc**

Address: **Box 810, Farmington, New Mexico**

STATE OF NEW MEXICO		
OIL CONSERVATION COMMISSIO		
AZTEC DISTRICT OFFICE		
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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122



## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Formation Mesa Verde County San Juan  
Initial ✓ Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 9-8-61  
Company \_\_\_\_\_ Lease L. M. Barton Well No. 1  
Unit F Sec. 12 Twp. 30 N Rge. 12 W Purchaser \_\_\_\_\_  
Casing 7" Wt. 26 I.D. 6.28 Set at 4790 Perf. 4412 To 4440  
Tubing 2 3/8" Wt. 4.7 I.D. 1.99 Set at 4400 Perf. OPEN END To \_\_\_\_\_  
Gas Pay: From 4412 To 4562 L 4400 xG \_\_\_\_\_ GL 660 Est. Bar. Press. \_\_\_\_\_  
Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well Gas-Gas Dual  
Single-Bradenhead-G. G. or G.O. Dual  
Date of Completion: 9-8-61 Packer Set @ 6485 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.	
1.						1239		1240		7 Days
2.	2"	.75				142	77°	421		3 hours
3.										
4.										
5.										
6.										

## 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.	12.365		154	9840	9535	1.014	1813
2.							
3.							
4.							
5.							

## PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.  
Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.  
P<sub>c</sub> \_\_\_\_\_ (1-e<sup>-S</sup>)

Specific Gravity Separator Gas \_\_\_\_\_  
Specific Gravity Flowing Fluid \_\_\_\_\_  
P<sub>c</sub> 1240 P<sub>c</sub> 1537.6

No.	P <sub>w</sub> 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.	433					187.5	1352.0		
2.									
3.									
4.									
5.									

Absolute Potential: 2013 MCFPD; n .75COMPANY TEXACO INCADDRESS Box 810 Farmington N.M.AGENT and TITLE David L. Collis Dist. Gas Man

WITNESSED \_\_\_\_\_

COMPANY \_\_\_\_\_

REMARKS

$$(1.137)^{.75} = 1.1101$$

