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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-		7. Unit Agreement Name
2. Name of Operator AMOCO PRODUCTION COMPANY		8. Farm or Lease Name Gutierrez Gas Com "C"
3. Address of Operator 501 Airport Drive, Farmington, New Mexico 87401		9. Well No. 1
4. Location of Well UNIT LETTER A 800 FEET FROM THE North LINE AND 960 FEET FROM THE East LINE, SECTION 4 TOWNSHIP 29N RANGE 9W NMPM.		10. Field and Pool, or Wildcat Blanco Pictured Cliffs
15. Elevation (Show whether DF, RT, GR, etc.) GL 5634', RDB 5647		12. County San Juan

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Perf & Frac

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD 2432. PBD 2200.

Set Baker Model "D" bridge plug at 2200'. Displaced hole with water treated w/0.8% KCl and spotted 500 gallons 15% HCl at 2106. Tested casing and blowout preventer with 3000 psi OK. Perfed 2016-26' and 2093-2108' with 1 SPF. Sand-water fraced with 21,672 gallons water treated with 0.8% KCl and 7 pounds Gel per 1000 gallons and 20,000 pounds 20-40 sand. Breakdown pressure 1600, Maximum treating pressure 2800, minimum treating pressure 2500, average treating pressure 2600 psi. AIR 41.3 BPM.



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

ORIGINAL SIGNED BY
E. A. WILSON

SIGNED _____ TITLE **Area Engineer** DATE **January 13, 1972**

Original Signed by **Emery C. Arnold**

APPROVED BY _____ TITLE **SUPERVISOR DIST. #3** DATE **JAN 14 1972**

CONDITIONS OF APPROVAL, IF ANY:

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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL		7. Unit Agreement Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name	
b. TYPE OF COMPLETION		9. Well No.	
NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		10. Field and Pool, or Wildcat	
2. Name of Operator		11. Undesignated Fruitland	
AMOCO PRODUCTION COMPANY			
3. Address of Operator		12. County	
501 Airport Drive, Farmington, New Mexico 87401		San Juan	
4. Location of Well			
UNIT LETTER <u>A</u> LOCATED <u>800</u> FEET FROM THE <u>North</u> LINE AND <u>960</u> FEET FROM			
THE <u>East</u> LINE OF SEC. <u>4</u> TWP. <u>29N</u> RGE. <u>9W</u> NMPM			
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)
Recomp 1-11-72		1-26-72	GL 5634', RKB 5647'
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By
2432'	2200'		0-TD
24. Producing Interval(s), of this completion — Top, Bottom, Name			25. Was Directional Survey Made
Fruitland 2016-2108'			
26. Type Electric and Other Logs Run			27. Was Well Cored
Gamma Ray-Neutron			

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	214'	11"	200 ex Class "A"	0
4-1/2"	9.5	2420'	7-7/8"	500 ex Class "C"	0

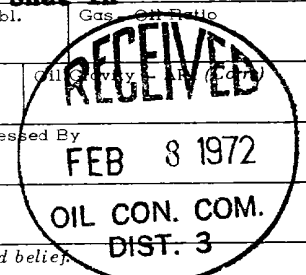
29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					1-1/4"	2078'

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
2016-26' x 2093-2108' x 1 SPF		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		2016-26', 2093-2108'	Sand-water fracture with 20,000 gallons treated water & 20,000 20-40 sand.

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping — Size and type pump)				Well Status (Prod. or Shut-in)	
		Flowing				Shut In	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
1-26-72	3 hr.	0.750"					
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil — Gas Ratio (24 hr)	
11	873			273 (AOF 274)			

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
To be sold to El Paso Natural Gas Company	

35. List of Attachments		
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
ORIGINAL SIGNED BY		
SIGNED <u>D. A. WATMAN</u>	TITLE <u>Area Engineer</u>	DATE <u>February 7, 1972</u>



INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo 1118'	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland 1196'	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs 2245'	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1118'	1196'	78'	Ojo Alamo				
1196'	1984'	788'	Kirtland				
1984'	2245'	261'	Fruitland				

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 1-26-72	
Company AMOCO PRODUCTION COMPANY				Connection None	
Pool Undesignated				Formation Fruitland	
Completion Date 1-19-72		Total Depth 2432'		Plug Back TD 2200' GL 5634/ 5647	
Elevation / KDB 5634/ 5647				Farm or Lease Name Gutierrez Gas Com "C"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2420	Perforations: From 2016 To 2108	
Thg. Size 1.660	Wt. 2.4	d 1.380	Set At 2065	Perforations: From Open End To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F Est. 60°	
Baro. Press. - P _a 12 PSIA Est.		State New Mexico		County San Juan	
L 2062	H 2062	G _g Est. .630	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 Days						873		873		
1.	2 Inch		.750	11			11	60° Est.	49		3 Hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		23	1.0000	.9608	1.000	273
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _c 885	P _c ² 783,225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{783,225}{779,504}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0040$
NO.	P _t ²	P _w	P _w ²
1		61	3721
2			
3			
4			
5			

Absolute Open Flow 274 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			
Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: J. A. Pope	Checked By: D. A. Wayhan

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator **AMOCO PRODUCTION COMPANY**

Address **501 Airport Drive, Farmington, New Mexico 87401**

Reason(s) for filing (Check proper box) Other (Please explain)

New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input checked="" type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Gutierrez Gas Com "C"	1	Undesignated Fruitland	State, Federal or Fee Fee	
Location				
Unit Letter A	800	Feet From The North	Line and 960	Feet From The East
Line of Section 4	Township 29-N	Range 9-W	, NMPM, San Juan County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
El Paso Natural Gas	P. O. Box 990, Farmington, New Mexico 87401	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
		Is gas actually connected? No
		When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X				X		X
Date Spudded Recomp.	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
1-11-72	1-26-72		2432'		2200'			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
GL 5634', RKB 5647'	Fruitland		2016'		2078'			
Perforations					Depth Casing Shoe			
2016-26 x 2093-2108 x 1 SPF								
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
	1-1/4"		2078'					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
273 (AOF 274 MCFD)	3 hr.		
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
Back Pressure	873 psig	873 psig	3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

ORIGINAL SIGNED BY
D. A. RILEY

(Signature)

Area Engineer

(Title)

February 2, 1972

(Date)

OIL CONSERVATION COMMISSION

APPROVED **FEB 4 1972**
BY **Original Signed by Emory C. Arnold**
TITLE **SUPERVISOR DIST. #3**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.