

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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	GAS
OPERATOR	
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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Revised 10-01-78
Format 06-01-83
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RECEIVED
OCT 27 1988
OIL CON

I.

Operator	BCO, INC.	
Address	135 Grant, Santa Fe, New Mexico 87501	
Reason(s) for filing (Check proper box)	Change in Transporter of:	Other (Please explain)
☒ New Well	☐ Oil	
☐ Recompletion	☐ Dry Gas	
☐ Change in Ownership	☐ Casinghead Gas	
	☐ Condensate	

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.
Alamito Unit	1	Wildcat Chacra	State, Federal or Fee State	LG3924-3
Location				
Unit Letter	0	840	Feet From The South	Line and 1840
		Feet From The East		
Line of Section	32	Township	23N	Range 7W
		NMPM,		Sandoval
				County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
BCO, Inc.	135 Grant, Santa Fe, N.M. 87501
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.
	Is gas actually connected? When
	yes 10/25/88

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

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

Elizabeth B. Keeshan
(Signature)
Vice President
(Title)
10/25/88
(Date)

OIL CONSERVATION DIVISION 1988

APPROVED _____, 19____
BY Original Signed by FRANK Y. CHAVEZ
SUPERVISOR DISTRICT #____
TITLE _____

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.

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						
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
8/16/86	9/16/86		2033			1998			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
6883 GR	Chacra		1784			1818			
Perforations						Depth Casing Shoe			
one .38" select fire shot at 1784, 1792, 1802, 1809, 1814, 1825, 1831						2009			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"		8 5/8" 24#		120		75 sacks			
6 1/4"		4 1/2" 10.5#		2009		170 sacks			
4 1/2"		2 3/8"		1818					

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top 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
204	3 hrs	none	none
Testing Method (plot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
Back pressure	363	363	2" x 3/4"

See attached copy of Tefteller test.

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-21-86		RECEIVED DECEMBER 12 1986	
Company BCO, Inc.				Correlation			
Pool				Formation Chacra		Unit BCO, INC.	
Completion Date 9-16-86		Total Depth 2033		Plug Back TD		Elevation 6883 GL	
Form or Lease Name Alamito		Well No. Unit No. 1		Well No. Unit No. 1		Unit Sec. Twp. Rge. 32 23W 7W	
Csg. Size 4 1/2		Wt. 9.5		Set At 2033		Perforations: From 1784 To 1831	
Thp. Size 2 3/8		Wt.		Set At 1818		Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single				Packer Set At None		County Sandoval	
Producing Thru Tubing		Reservoir Temp. °F 107 # 2002		Mean Annual Temp. °F		State New Mexico	
L		H		Cq		% CO ₂ % N ₂ % H ₂ S	
						Prover 3/4 pos. Meter Run choke nipple Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	9 days						363		363		
1.	2" x 3/4"						18		167	60	3 hours
2.											
3.											
4.											
5.											

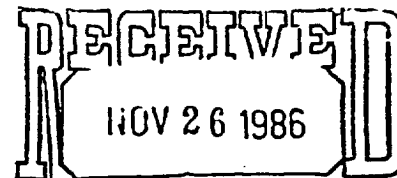
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		30	1.000	1.240	1.000	409
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Liquid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	140625	32041	108584	1.2951	1.2456
2.					
3.					
4.					
5.					

Absolute Open Flow 509 Mcfd @ 15.025				Angle of Slope 60 Slope, n .85	
Remarks: Making water by heads.					
Approved By Division		Conducted By: Richard Housh		Calculated By: Neil Tefteller	
				Checked By:	

TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
MIDLAND, TEXAS



BCO. INC.

Well : ALAMITA UNIT NO. 1

Page 1 of 2

Field : CHACRA

File 2-18338-AOF

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1986 Date	Status of Well	Time	Elapsed Time Hrs.Min.	Daily Rate Gas Mcfd	Wellhead Pressure	
					Tbg	Csg
11/21	Arrived on location	09:30			363	363
	Well shut-in 9 days					
	Installed 3/4" positive					
	Choke					
	, Nipple - deadweight					
	tubing and casing					
	Open well for 3 hour					
	AOF test	10:00			363	363
		10:00	0 00			
	Light water mist to					
	surface	10:15	0 15	1009	62	223
	Heavy mist	10:30	0 40	777	45	213
	Heavy mist	10:45	0 45	805	47	203
	Unloading water	11:00	1 00	655	36	194
		11:30	1 30	641	35	179
		12:00	2 00	587	31	174
		13:00	3 00	409	18	167
	Shut-in	13:00	0 00			