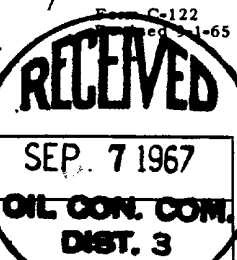


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-5-67		SEP. 7 1967 OIL CON. COM. DIST. 3	
Company John E. Schalk			Connection Waiting on pipe line					
Pool Ballard			Formation Pictured Cliffs			Unit		
Completion Date 9-5-67		Total Depth 3140'		Plug Back TD 3107'		Elevation 7458 Gr		Farm or Lease Name Cinco Diablos
Csg. Size 4.50	Wt. 9.50	d 4.090	Set At 3140'	Perforations: From 3048' To 3082'		Well No. 6		
Tbg. Size 1.50 N.U.	Wt. 2.75	d 1.610	Set At 3051'	Perforations: From Open Ended		Unit Sec. Twp. Rge. D 14 23N 4W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F -		Mean Annual Temp. °F -		Baro. Press. - P _a 12.0		State New Mexico
L 3051	H 3051	Gg 0.65	% 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.	
1.	0.750 T.C.					54	184		623	
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		196	1.0058	0.9608	1.021	2,391
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 Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

$P_c = 725$ $P_c^2 = 525,625$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.294$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.448$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,244$
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1.	-	635	403,225	122,400	
2.					
3.					
4.					

Absolute Open Flow 8,244 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			
Approved By Commission: _____ Conducted By: <u>Swell H. Webb</u> Calculated By: <u>Swell H. Webb</u> Checked By: _____			

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator		Well API No.
Bilco Energy, Inc.		30-039-20058
Address		
P.O. Box 3038, Farmington, New Mexico 87499		
Reason(s) for Filing (Check proper box)		
New Well ☐	☐ Other (Please explain)	
Recompletion ☐	Change in Transporter of:	
Change in Operator ☒	Oil ☐ Dry Gas ☐	
	Casinghead Gas ☐ Condensate ☐	
If change of operator give name and address of previous operator		
John Schalk, P.O. Box 25825, Albuquerque, New Mexico 87125		

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Cinco Diablos	6	Ballard P. C.	State (Federal or Fee)	47
Location				
Unit Letter	D	990	Feet From The	N
		Line and	790	Feet From The
		W	Line	
Section	14	Township	23N	Range
		4W	, NMPM,	
		Rio Arriba	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)	
El Paso Natural Gas		P.O. Box 1492, El Paso, Texas 79978	
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.
			Rge.
Is gas actually connected?		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
Date Spudded	Date Compl. Ready to Prod.		Total Depth	P.B.T.D.				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay	Tubing Depth				
Perforations				Depth Casing Shoe				
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET	SACKS CEMENT				

V. TEST DATA AND REQUEST FOR ALLOWABLE

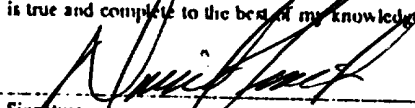
OIL WELL (Test must be after recovery of total volume of liquid oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)			
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Oil - Bbls.
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	
GAS WELL		DEC - 9 1993	
Actual Prod. Test - MCF/D		OIL CON. DIV	
Length of Test		DIST. 3	
Testing Method (pilot, back pr.)			
Tubing Pressure (Shut-in)			
Casing Pressure (Shut-in)			
Gravity of Condensate			
Choke Size			

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature 
David Tentler President
Printed Name
12/9/93 Title
505-325-3404
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved DEC - 9 1993

By 
SUPERVISOR DISTRICT #3
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.