

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

Form C-122
 Revised 9-1-

file

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-6-80	
Company Consolidated Oil & Gas, Inc.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date		Total Depth		Plug Back TD		Elevation	
Farm or Lease Name Tribal							
Csg. Size 4 1/2	Wt. d	Set At 8336	Perforations: From 8252 To 8328		Well No. C-4-E		
Tubg. Size 1 1/2	Wt. d	Set At 8269	Perforations: From To		Unit H	Sec. 6	Twp. 26N
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual					Focker Se. At 7750	County Rio Blanco	
Producing Thru Tubing		Reservoir Temp. °F	Mean Annual Temp. °F		Baro. Press. - P _a 12.0	State New Mexico	
L	H	Gg .600 est.	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	Shut-in						1575		Pkr.	
1.	2" X 1" DWT						190	60	Pkr.	
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	*		18" Hg	1.000			439
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Mcf/bbl.	
2.					Specific Gravity Separator Gas _____ Deg.	
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 1587	P _c ² 2519
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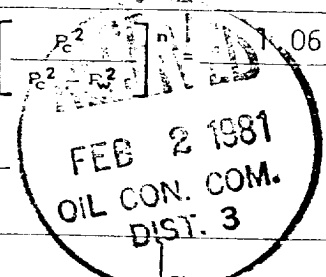
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1			210	2309	1.0909	0674
2						
3						
4						
5						

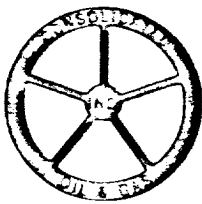
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 469$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____ Slope, n
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Remarks: *Producing through production unit, gas measured with orifice well tester, temp. 60° sp. gr. .600 *Produced 3 Mcfd during 3 hour test.*

Approved By Commission:	Conducted By: G. W. Taylor	Calculated By: Neil Tefteller	Checked By:
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Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80295
(303) 861-5252

P.O. Box 2038
Farmington, New Mexico 87401

April 29, 1981

New Mexico Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

Attn: Mr. Frank Chavez

Re: Tribal C #4E
H Sec 6 T26N R3W
Rio Arriba Co., New Mexico

Dear Mr. Chavez,

On January 14, 1981 Order No. R-6559 was issued by the Division authorizing downhole commingling of the Dakota and Gallup formations for the subject well. The order instructs the operator to consult with your office so you may determine an allocation formula for the allocation of production to each zone in the subject well.

Enclosed are copies of the tests (forms C-122) to aid you in determining the formula.

Thank you for your assistance.

Yours very truly,

Barbara C. Rex

Production & Drilling Technician

BCR
Encl. (2)



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

MAY 8, 1981

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Consolidated Oil and Gas Inc.
P.O. Box 20380
Farmington, N.M. 87401

Re: Tribal C #4E H-6-T26N-R3W

Gentlemen:

Based on the results of production tests the commingled production from the referenced well will be allocated as follows.

Basin Dakota	45% gas	60% oil
Wildhorse Gallup	55% gas	4% oil

If you have any questions, please contact this office.

Yours truly,

Frank T. Chavez
Frank T. Chavez

XC: Santa Fe, New Mexico
Northwest Pipeline Corp. Salt Lake, Utah

FC/al