

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special Test Date 7-11-80									
Company Consolidated Oil & Gas Inc					Connection Gas Co of New Mexico				
Pool Blanco					Formation Mesa Verde				
Completion Date 7-4-80			Total Depth		Plug Back TD 7006		Elevation 5874 GR		Farm or Lease Name Senter
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At	Perforations: From 4572 To 4806			Well No. 1M		
Tub. Size 1.660	Wt. 2.40	d 1.380	Set At 4605	Perforations: From To			Unit I	Sec. 24	Twp. 31
Type Well - Single - F Head - G.G. or G.O. Multiple				Packer Set At 5003			County San Juan		
Producing Thru TBG		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.670	% 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.	
1.	2"		0.750	100		46	1130		1130	
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	12.365		112	1.0137	0.9463	1.012	1344
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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.										

$P_c = 1142$ $P_c^2 =$ $P_w^2 =$ $P_w^2 - P_c^2 =$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2578$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1877$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1	12544	517	267289	1036875		
2						
3						
4						
5						

Absolute Open Flow 1596 Mcfd @ 15.025			Angle of Slope θ	Slope, n 0.75
Remarks:				
Approved By Commission:		Conducted By: Wilson Service Co.	Calculated By: Sonny Wilson	Checked By:

TEMPERATURE ★

Wilson Service Co.

★ SURVEYS ★ ★

P. O. BOX 1619 • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 327-2575

Pressure Survey

COMPANY... Consolidated Oil & Gas LEASE... Senter... WELL... 1M...
ELD... LOCATION... Unit I... Sec 24... Twp 31... Rge 13...
COUNTY... San Juan STATE... New Mexico DATE... 7/11/80
START-IN... 7/4/80 ELEVATION... 5874 GR DATUM...
FROM POINT... TBG. PRESSURE... 1130 CASING PRESSURE... 1130
G. DEPTH... 4605 CASING SET... P.B.T.D. 7006
CHECKER SET... CASING PERF. 4572 to 4806 MAX. TEMP. 60°
MUD LEVEL...

DEPTH	PRESSURE	GRADIENT
Lube	387	000
1000	392	.05
3000	678	.14
5000	1543	.43
6000	1972	.43
6750	2290	.43
7000	2400	.44



