

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 1-24-77				
Company Continental Oil Co.					Connection Unconnected				
Pool Smith Blanco					Formation Mesa Verde				
Completion Date 1-77		Total Depth 6250'		Plug Back TD 6112'		Elevation 7350'		Farm or Lease Name AXI Apache "N"	
Csg. Size 5 1/2"	Wt. 15.5	d 5"	Set At 6212	Perforations: Mesa Verde From 6010 To 6030		Well No. 11			
Tbg. Size 2 3/8"	Wt. 2.75	d 2"	Set At 5925	Perforations: From OE To		Unit Sec. Twp. Rge. P 12 25N 4W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 5925		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F 130° 5920'		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2		State N.M.	
L 5925	H 5925	Gg .69	% CO ₂	% N ₂	% H ₂ S	Prover 3/4" choke nipple	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
1.	3/4" choke nipple			92		50°	1155	50°			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		104	1.01	1.204		12.15
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	10816	210.5	44310	1317579
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.034$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1246$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.025$

Absolute Open Flow	1246	Mcfd @ 15.025	Angle of Slope	75°
Remarks:				

Approved By Commission:	Conducted By: F.T. Chavez	Calculated By: F.T. Chavez	Checked By:
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