

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 8-22-77	
Company Consolidated Oil & Gas Co.				Connection			
Pool Mesa Verde				Formation Mesa Verde			
Completion Date 8-13-77		Total Depth 6150'		Plug Back TD 6108		Elevation 7090	
Csg. Size 7 1/2"		Set At 3996		Perforations: From 5907 To 6073		Farm or Lease Name Ticavilla	
Thg. Size		Set At		Perforations:		Well No. C-1A	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE GAS				Packer Set At		County Rio Arriba	
Producing Thru CSG		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a N.M.	
L	H	Gg 650	% CO ₂	% N ₂	% H ₂ S	Prover X	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
SI	7 day						1065		1070		
1.	24 3/4						340		200	72	3 Hrs
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	9.453		212	0.9887	1.240	1.021	2510
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _t	P _w	P _c	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1184$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0875$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2730$
1	1082	352	1170	724	
2					
3					
4					

Absolute Open Flow 2730 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Commission:	Conducted By: Rod Grimes	Calculated By: Neil Tefeller	Checked By:
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TEETELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Company Consolidated Oil & Gas Lease Stearns County Stearns Well No. C-1A Element No. _____
Field _____ State _____ Range _____
Formation _____ Elevation _____ Datum _____ P. I. Depth _____ Clock _____ Rotation _____
Operator _____

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

Date	Status of Well	Time	Elapsed Time	Hrs.	Min.	Tank No.	Tank Gauge	Interval	Prod.	Daily Rate	Oil B/D	Gas MCF/D	Wellhead Pressure	Tbg	Csg	BHP @	Ext.	Psig
8/22	Shut-in	2:30																
	Start-test	2:30																
		4:40											70°	800	680			
		5:00											72°	675	560			
		3:00											72°	564	458			
		3:00											70°	440	332			
		4:00											72°	380	270			
		3:00											72°	360	238			
		5:00											72°	350	214			
		3:00											72°	340	200			
	Shut-in																	

Bbls/Inch _____ Tank Size _____ Separator Pressure _____ psig at _____ °F Water Production _____ B/D
Remarks: _____

Company Consolidated Oil & Gas Lease Stearns Well No. C-1A Element No. _____
 Field _____ County _____ State _____ Rotation _____
 Formation _____ Elevation _____ Datum _____ P. I. Depth _____ Unit No. _____ Operator _____

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

Date	Status of Well	Time	Elapsed Time Hrs. Min.	Tank Gauge No.	Tank Gauge Pt. In.	Interval Prod. In.	Daily Rate Oil B/D	Daily Rate Gas MCF/D	Wellhead Pressure Tbg	BHP @ Ext. In.	Psig
8/22	Shut-in	2:20							1065	1078	
	Start-test	2:30									
		40	10					70°	800	680	
		50	20					72°	675	560	
		300	30					72°	564	458	
		30	100					70°	440	332	
		400	30					72°	380	270	
		30	200					72°	360	238	
		500	30					72°	350	214	
		30	300					72°	340	200	
	Shut-in										

Bbls/Inch _____ Tank Size _____ Separator Pressure _____ psig at _____ °F Water Production _____ B/D
 Remarks: _____