

NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesa Verde Formation Mesa Verde County Santa Fe
Initial _____ Annual _____ Special Worship Date of Test 9/1/62
Company Artes Oil & Gas Co Lease East Well No. 22
Unit D Sec. 23 Twp 31N Rge. 12W Purchaser Southern Union Building
Casing 7" Wt. 20 I.D. 4.990 Set at 5295 Perf. 4992 To 5200
Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 5012 Perf. 4980 To 4980
Gas Pay: From 4992 To 5235 L 4980 xG .701 (oil) GL _____ Bar. Press. 14
Producing Thru: Casing _____ Tubing ✓ Type Well Single Gas
Date of Completion: 9/3/62 Packer NONE Reservoir Temp. _____
Recompletion Single-Bradenhead-G. G. or G.L. Test

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Direction of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	<u>7 days</u>					<u>850</u>		<u>850</u>		
1.	<u>2"</u>	<u>3/4"</u>				<u>293</u>	<u>60° (oil)</u>	<u>575</u>		<u>2 1/2</u>
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow MCPPD @ 15.000 psia
1.	<u>12.365</u>		<u>305</u>	<u>1.000</u>	<u>.9258</u>	<u>1.037</u>	<u>2621</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c _____ (1-e⁻⁸)

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 862 P_c 74.3000

No.	P _w P _t (psia)	P _t ²	P _{cQ}	(P _{cQ}) ²	(P _{cQ}) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	<u>312</u>					<u>344,268</u>	<u>398,416</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 6243 MCPPD; n .75
COMPANY Artes Oil & Gas Co
ADDRESS Blanco 570, Farmington, New Mexico
AGENT and TITLE _____
WITNESSED _____
COMPANY _____

REMARKS

OIL CON
DIST.