

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 5/30/80	
Company Consolidated Oil & Gas				Connection		
Pool Basin				Formation Dakota		Unit
Completion Date		Total Depth 7050'		Plug Back TD 7050'		Elevation 5860
Farm or Lease Name Ripley						Well No. 2A
Csg. Size 5.50	Wt. 15.5	d 4.950	Set At 6960	Perforations: From 6764 To 6914		Unit Sec. Twp. Rge. P 26 32 13
Tbg. Size 1.90	Wt. 2.75	d 1.610	Set At 1.610	Perforations: From To		County San Juan
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 5010		State New Mexico
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g
L 6810	H	G _g .670	% CO ₂	% N ₂	% H ₂ S	Prover 2"
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							1870			
1.	2		.750	100		42	100			3Hr
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		112	1.018	1.222	1.000	1317
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.17	502	1.31		A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1882	P _c ² 3541924	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3541924$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0319$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	12544	381	145161	3396763
2				
3				
4				
5				

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1359$

Absolute Open Flow	1359	Mcfd @ 15.025	Angle of Slope @	Slope, n, 75
Remarks:				

Approved By Commission:	Conducted By: <i>Wilson Ser. Co.</i>	Calculated By: <i>Wilson Ser. Co.</i>	Checked By: <i>Wilson</i>
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File _____

Range

RECEIVED
JAN 11 1980
MAIL ROOM
U.S. AIR FORCE
AIR MAIL DIVISION
WELL HEADS CON. EXT.
PRESSURE TUBE
Tbg. Csgd In.

Wellhead CON. BHT @
Pressure Ext.

DIS In. Csgd. Tbg.

¹⁸F Water Production

Remarks: 2" X ³/₄" Prover, Fluid in 14 Min