

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

Form C-122
Revised 9-1-65

RECEIVED
DEC 13 1985
OIL CON. DIV
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-12-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota			
Completion Date 12-12-85		Total Depth 7512		Plug Back TD 7504		Elevation 6744 GR	
Csg. Size 4.500		wt. 10.5		Set At 4.052		7512	
Perforations: From 7237		To 7408		Well No. 32E			
Perforations: From		To		Unit Sec. Twp. Hgt. D 29 26 06			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
County Rio Arriba		State New Mexico					
L		H		Gg .700		% 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.		Temp. °F
1			.750	129		60	1955		2212		7 Days
2							129		584		
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 F _{pv}	Rate of Flow Q, Mcfd
1	12.365		141	1.000	.9258	1.017	1642
2							
3							
4							
5							

NO.	P _r	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 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

P _r 2224	P _w 4946176	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{4946176}{4590960}$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0575$
NO. 1	P _w 596	P _w 355216	P _r - P _w 4590960
2			
3			
4			
5			

$ACF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1736$

Absolute Open Flow 1736	Mcf/d @ 15.025	Angle of Slope	Slope, n = 76
Remarks: Gas vented during test = 434 MCF/D			

Approved by Commission:	Conducted By: Ernie Minert	Calculated By: Ed Mabe	Checked By: kld
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