

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
JAN 18 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-15-85	
Company El Paso Natural Gas Co.		Connection	
Pool Basin		Formation Dakota	
Completion Date 1-15-85		Total Depth 6775	Plug Back TD 6759
		Elevation 6622 GR	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6774
		Perforations: From 6490 To 6678	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6678
		Perforations: From To	
Type Well - Single - Broadhead - G.C. or C.O. Multiple Single		Packer Set At None	Unit F 4 25 9
Producing Thru Tbg		Reservoir Temp. °F 8	Mean Annual Temp. °F 12
County San Juan		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			62	1872		2004		7-days
2							223		612		3-hrs
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		235	.9981	.9258	1.025	2752
2							
3							
4							
5							

NO.	P ₁	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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 2016	P _c ² 4064256	(1) $\frac{P_c^2}{P_1^2 - P_w^2} = \frac{4064256}{3674880}$	(2) $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = \frac{1.0785}{}$
NO.	P ₁ ²	P _w ²	P _c ² - P _w ²
1		624	389376
2			
3			
4			
5			

Absolute Open Flow 2968 _____ Mcf @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Gas vented during test = 519 MCF Med. spray oil throughout test			

Approved by Division	Conducted by Joe G. Lentine	Calculated by Ed Mabe	Checked by VD 1 16 85
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