

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
SEP 13 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-28-85	
Company Amoco Production Co.		Connection El Paso Natural Gas	
Pool Basin		Formation Dakota	
Completion Date 8-21-85	Total Depth 7088	Plug Back TD 7040	Elevation 5640GL
Farm or Lease Name Ulibarri Gas Com		Well No. 3E	
Ceq. Size 4.500	Wt. 11.6	d 4.000	Set At 7088
Perforations: From 6648 To 6692		Unit I	
Thq. Size 2.375	Wt. 47	d 1.995	Set At 6944
Perforations: From open To ended		Sec. 30	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Baro. Press. - P _a New Mexico	
L	H	G _g	% 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	
SI	7 days						591		2040		
1.	2.375	0.750					130		585		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1	12.365		142	1.000	.9258	1.016	1652
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
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 _c 2052	P _c ² 4210704				(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0925$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0686$
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1765$	
1		597	356409	3854295		
2						
3						
4						
5						

Absolute Open Flow 1765 Mscf @ 15.025 Angle of Slope 75 Slope, n .75

Remarks: Made heavy H2O Entire 3 Hrs.

Approved By Division

Conducted By:

Calculated By:

Checked By: *RS*