

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

Form C-122
Revised 9-1-65

RECEIVED
AUG 28 1985
DR. CON. DIV.
DIST. 9

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8-23-85				
Company El Paso Natural Gas					Connection				
Pool Basin					Formation Dakota				
Completion Date 8-23-85		Total Depth 6303		Plug Back TD 6289		Elevation 5655 GR		Farm or Lease Name Pinon Mesa A	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6304	Perforations: From 6105 To 6180		Well No. #2E			
Tcp. Size 2.375	wt. 4.7	d 1.995	Set At 6174	Perforations: From To		Unit E	Sec. 36	Twp. 31	Rge. 14
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At none		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g .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	
SI			.750				1875		1869		7 Days
1.				469		94	469		1042		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, Mcfd
1	12.365		481	.9688	.9258	1.051	5606
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 1881 P _c ² 3538161				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		1054	1110916	2427245
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3538161}{2427245}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3266$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7437$

Absolute Open Flow 7437 Mcfd @ 15.025		Angle of Slope ϕ _____		Slope, n .75	
Remarks: Blew water mist during test. Gas vented during test 836 MCF.					

Approved by Commission:	Conducted By: Bob Harie	Calculated By: Cliff Brock	Checked By: kld
-------------------------	----------------------------	-------------------------------	--------------------