

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

Form C-122
Revised 9-1-65

(CORRECTED COPY)

RECEIVED
AUG 28 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-22-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 8-22-85	Total Depth 6304	Plug Back TD 6290	Elevation 5641 GR
Farm or Lease Name Pinon Mesa B		Well No. #2E	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6304
Perforations: From *6158 To 6234		Well No. #2E	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 6227
Perforations: From To		Unit Sec. Twp. Rge. 0 25 31 14	
Type Well - Single - Fradenthead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tbg.		County San Juan	
Reservoir Temp. *F a		State New Mexico	
Mean Annual Temp. *F		Baro. Press. - P _a 12	
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
SI											
1.			.750	250		87	1804		1809		7 Days
2.							250		632		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		262	.9750	.9258	1.031	3014
2.							
3.							
4.							
5.							

NO.	P _f	Temp. *R	T _f	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 1821	P _c ² 3316041	
NO. 1	P _f 644	P _w 414736
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{3316041}{2901305}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3332$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1054$$

Absolute Open Flow	3332	Mcf/d @ 15.025	Angle of Slope ϕ	Slope, n .75
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Remarks: Blow med. mist during test.
Gas vented during test = 469 MCF.

Approved By Commission:	Conducted By: Bob Haire	Calculated By: Cliff Brock	Checked By: kld
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