

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

Form C-122
Revised 9-1-65

RECEIVED
JUL 26 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-23-85	
Company El Paso Exploration Co.		Connection	
Pool Basin		Formation Dakota	
Completion Date 7-23-85	Total Depth 8290	Plug Back TD 8274	Elevation 7151 GR
Farm or Lease Name Jicarilla 119 N		Well No. #4E	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8290
Perforations: From 8071 To 8262		Unit J 06 26 04	
Teg. Size 1.900	Wt. 2.9	d 1.610	Set At 8245
Perforations: From To		Sec. 06	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County Rio Arriba
Producing Thru Tbg.	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico		Prover Meter Run Taps	
L	H	Gg .700	% CO ₂ % N ₂ % H ₂ S

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	46		66	680		1227		7 Days
2.							46		552		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, Fpv	Rate of Flow Q, Mcfd
1	12.365		58	.9943	.9258	1.004	663
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 _r 1239	P _w ² 1535121	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1535121}{1217025}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1902$
NO. 1	P _r 564	P _w ² 318096	P _c ² - P _w ² 1217025
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 789$

Absolute Open Flow	789	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Gas vented during test = 141 MCF.

Approved by Commission:	Conducted By: Gary Osborne	Calculated By: Ed Mabe	Checked By: kld
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