

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

Form C-122
Revised 9-1-65

RECEIVED
SEP 10 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-4-85	
Company El Paso Natural Gas Co.				Connection	
Pool Basin				Formation Dakota	
Completion Date 9-4-85		Total Depth 7150		Plug Back TD 7134	
Elevation 6028 GR		Farm or Lease Name Riddle B			
Csg. Size 4.500	Wt. 10.5 11.6	d 4.052	Set At 7149	Perforations: From 6911 To 7073	
Trq. Size 1.900	Wt. 2.9	d 1.610	Set At 7061	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		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		101		61	101		777		7 Days
2.											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		113	.9990	.9258	1.017	1314
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

P _r 1575	P _w 2480625	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2480625}{1858104}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2419$
NO. 1	P _r 789	P _w 622521	P _c ² - P _w ² 1858104
2			
3			
4			
5			

Absolute Open Flow 1631 Mcfd @ 15.025		Angle of Slope →	Slope, n .75
Remarks: Blew water mist during test. Gas vented during test 210 MCF.			
Approved by Commission:	Conducted By: Bob Easterling	Calculated By: Cliff Brock	Checked By: kld