2111

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool	Formation	County
Undesignated Chacra	Chacra	Rio Arriba

Initial	Annual	Special	Date of Test
X			8-1-66

Company	Lease	Well No.
Merrion & Bayless	Burns Com.	2

Unit	Sec.	Twp.	Range	Purchaser
J	21	25 N	6 W	

Casing	Wt.	I.D.	Set at	Perf.	To
2 7/8			2470	3210	3323

Tubing	Wt.	I.D.	Set at	Perf.	To

Prod. Thru:	From	To	L	G	GL	Bar. Press.
				.650	2087	12.0

Producing Through:	Casing	Tubing	Type Well – Single – Bradenhead – G.G. or G.O. Dual
	X		Single Gas

Date of Completion	Packer	Reservoir Temp.
		104

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI								918		
1.								170	60	3 Hrs
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P.D. @ 15.025 psia
1.	12.3650		182	1.000	.9608	1.017	2199
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c 5.551 $(1-e^{-S})$ 0.141 P_c 930 P_c^2 864900

RECEIVED
SEP 29 1966
OIL CON. COM.
DIST. 3

No.	P_w P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	182	33124	12.207	149.012	21.011	54135	810765		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 2308 MCFPD; n .75 1.0496

COMPANY Merrion & Bayless WITNESSED _____

ADDRESS P.O. Box 507, Farmington COMPANY _____

AGENT AND TITLE Jason Merrion