

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

Form C-122
Revised 12-1-55

Pool Ballard			Formation P.C.			County R.A.		
Initial X		Annual		Special		Date of Test 11-24-65		
Company Intermountain Petr. Corp.				Lease Egan			Well No. 1	
Unit A	Sec. 18	Twp. 24	Range 6		Purchaser			
Casing 8 5/8	Wt.	I.D.	Set at 104		Perf. 2074		To 2098	
Tubing 1"	Wt.	I.D.	Set at 2105		Perf.		To	
Gas Pay:	From	To	L	G	GL	Bar. Press. 12.0		
Producing Through:			Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion		Packer			Reservoir Temp.			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☐ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Line) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.						625		625		7 BASIP
2.		.750	36.5		46	36.5		446		3 hrs.
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		48.5	1.0140	.9608	xxx	584
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 _____ (1-e^{-S}) _____ P_c **637** P_c² **405,769**

No.	P _w 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	P _w /P _c
1.	458					209,764	196,005	2,070	1.8559
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1,078** MCFPD; n **0.850**

COMPANY **Intermountain Petr. Corp.** WITNESSED _____

ADDRESS **P.O. Box 1618 Farmington, N.M.** COMPANY _____

AGENT AND TITLE

Wayne B. Smith, PE

