

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Pine Lake Formation Pictured Cliffs County Rio Arriba
Initial _____ Annual _____ Special XX Date of Test 10/26/60
Company Mobil Oil Company Lease Jicarilla "E" Well No. 5
Unit A Sec. 14 Twp. 27N Rge. 3W Purchaser El Paso
Casing 7 5/8" Wt. 25.4 I.D. 6.969 Set at 3985' Perf. 3715' To 3749'
Tubing 2 3/8" Wt. 4.7 I.D. 1.995 Set at 3742' Perf. - To -
Gas Pay: From 3715' To 3749' L 3742 xG .680 -GL 2545 Bar.Press. 12 psia
Producing Thru: Casing _____ Tubing XX Type Well Gas-Only Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 8/31/58 Packer yes Reservoir Temp. _____

OBSERVED DATA

Tested Through (Pressure) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	2"	0.750	79	-	60°	1125	79	1125		3 hours
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-MCFPD @ 15.025 psia
1.	12.365		91	1.000	.9393	1.009	1066
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c 9.402 (1-e^{-s}) .169

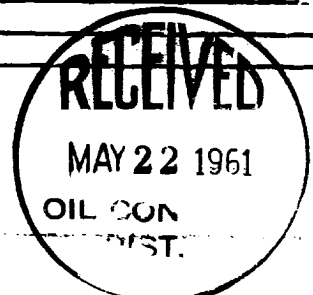
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1137 P_c² 1292.769

No.	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	(P _c ²) P _w ²
1.	91	8281	10.022	100.44	16.974	25.255	1267.514	159	1.017
2.									
3.									
4.									
5.									

Absolute Potential: 1084 MCFPD; n .85
COMPANY _____
ADDRESS _____
AGENT and TITLE _____
WITNESSED _____
COMPANY _____

REMARKS

Original Potential 10/3/58 CAOF = 633



NUEVO 18