

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

Form C-122
Revised 9-1-65

JUL 11 1985

OIL CONSERVATION DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-10-85	
Company El Paso Natural Gas		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 7-10-85		Total Depth 5037	Plug Back TD 5019
		Elevation 5814 GR	Farm or Lease Name Lackey A
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2620
		Perforations: From *3831 To 4988	
Csg. Size 2.375	Wt. 4.7	d 1.995	Set At 4985
		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	Well No. #2A
Producing Thru Tbg.		Reservoir Temp. °F a	Mean Annual Temp. °F
		Baro. Press. - P _a 12	Unit D
		State New Mexico	Sec. 12
		Twp. 29	Rge. 10
L	H	G _g .690	% 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.	
SI							303		842	
1.		.750		219		78	219		702	
2.										
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		231	.9831	.9325	1.012	2650
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 854	P _c ² 729316	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{729316}{219520}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4608$
NO	P _r	P _w	P _w ²
1		714	509796
2			
3			
4			
5			

Absolute Open Flow 6521 Mcfd @ 15.325		Angle of Slope θ	Slope, n .75
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Remarks: *4.500" Liner 2481'-5037'. Tubing logged off - unloaded blew heavy mist of water & oil during test. Gas vented during test = 365 MCF.

Approved by Commission:	Conducted By: Bob Haire	Calculated By: Ed Mabe	Checked By: kld
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