

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Oil Basin Formation Dakota County Rio Arriba
Initial x Annual Special Date of Test 4/3/64
Company E. L. Fundingsland Lease Sunical Well No. 4D
Sit L Sec. 20 Twp. 26-N Rge. 7-W Purchaser El Paso Natural Gas Company
Using 4 1/2" Wt. 10.5# I.D. Set at 6747' Perf. 6508 To 6707
 tubing 2" Wt. I.D. Set at 6640 Perf. To
as Pay: From 6508 To 6707 L xG -GL Bar. Press.
Producing Thru: Casing Tubing xx Type Well Single
 Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 3/10/64 Packer Reservoir Temp.

OBSERVED DATA

Tested Through <u>(Prover)</u> <u>(Choke)</u> <u>(Meter)</u>										Type Taps
Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.						2320		2320		3 Hrs.
2.		3/4	82		64	82	64	530		
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		94	.9962			1158
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.
Gravity of Liquid Hydrocarbons deg.
 P_c (1-e⁻⁸)

Specific Gravity Separator Gas
Specific Gravity Flowing Fluid
 P_c 2332 P_c^2 5438.2

No.	P_w P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2$ (1-e ⁻⁸)	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w P_c
1.						293.8	5144.4		.232
2.									
3.									
4.									
5.									

Absolute Potential: 1210 MCFPD; n .75
COMPANY E. L. Fundingsland
ADDRESS 1402 Denver U.S. National Center---Denver, Colorado
AGENT and TITLE Albert S. Johnson
WITNESSED
COMPANY Largo Management Corp

REMARKS

