

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool DAKOTA Formation DAKOTA County SAN JUAN
Initial X Annual _____ Special _____ Date of Test 5-14-60
Company TEXACO, INC. Lease FEDERAL STATE Well No. 1
Unit 0 Sec. 32 Twp. 30N Rge. 11W Purchaser EL PASO NATURAL GAS CO
Casing 4 1/2 Wt. 11.60 I.D. 4.000 Set at 6880 Perf. 6548 To 6642
Tubing 2 3/8 Wt. 4.7 I.D. 2.000 Set at 6622 Perf. OPEN ENDED To _____
Gas Pay: From 6548 To 6642 L _____ xG _____ -GL _____ Bar. Press. _____
Producing Thru: Casing _____ Tubing X Type Well Single Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 5-14-60 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (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.	
SI						2053		2053		7 DAYS
1.		1.750	183		59	183		491		3 HOURS
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	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		195	1.0010	.9498	1.020	2,365
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2065 P_c 4264.225

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	P _w / P _c
1.						253009	4611216		
2.									
3.									
4.									
5.									

Absolute Potential: 2491 MCFPD; n .75

COMPANY _____
ADDRESS _____
AGENT and TITLE _____
WITNESSED _____
COMPANY _____

REMARKS

(1.063)^{.75} = 1.0532