

NEW MEXICO OIL CONSERVATION COMMISSION

Form 0-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool West Kutz Formation Picture Cliff County San Juan
 Initial X Annual _____ Special _____ Date of Test 1-31-59
 Company Frank Yockey Lease Yockey Well No. 2
 Unit G Sec. 20 Twp. 27N Rge. 11W Purchaser El Paso Natural Gas Co.
 Casing 5 1/2 Wt. 15.5 I.D. 5" Set at 1831 Perf. 1831 Open hole. 1864
 Tubing 1.315 Wt. 1.68 I.D. 1" Set at 1854 Perf. Open ended To _____
 Gas Pay: From 1831 To 1864 L _____ xG _____ -GL _____ Bar.Press. _____
 Producing Thru: Casing X Tubing _____ Type Well Single gas.
 Date of Completion: 1-23-59 Packer _____ Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. _____

OBSERVED DATA

Tested Through ~~X(Prover)~~ X(Choke) ~~(XXXXX)~~ Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (XXXXX) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.		.750	81		58	414		414		7 Day Shutin
2.						86		81	58	3 Hours.
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		93	1.0019	1.035	1.007	1,201
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 γ_c _____ (1-e^{-s})
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 426 P_c² 181,476

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.									
2.						9602	171874		
3.									
4.									
5.									

Absolute Potential: 1,259 MCFPD; n .85
 COMPANY Well Production Co.
 ADDRESS 1041 Zuni Dr. Farmington, New Mexico
 AGENT and TITLE Agent.
 WITNESSED _____
 COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION

DISTRICT OFFICE

No. 3

Date

By

By

By

By 1

By

By

By

U. S. 1

Trans.

File 1 ✓