

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Wilceat Formation Pictured Cliff County Rio Arriba
Initial X Annual _____ Special _____ Date of Test March 17, 1956
Company J. Glenn Turner Lease Fields Well No. 1-31
Unit J Sec. 31 Twp. 26N Rge. 6W Purchaser El Paso Natural Gas Company
Casing 5 1/2 Wt. 15 1/2 I.D. _____ Set at 2829 Perf. _____ To _____
Tubing 1 1/2 Wt. _____ I.D. _____ Set at 2856 Perf. _____ To _____
Gas Pay: From 2829 To 2940 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 3/8/56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Choke 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.		<u>3/4</u>				<u>819</u>		<u>819</u>		<u>3 hours</u>
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.							<u>* 266</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e⁻⁸)
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 831 P_c 690,561

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.						<u>64</u>	<u>690,497</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 266 MCFPD; n .85
COMPANY El Paso Natural Gas Company
ADDRESS P. O. Box 997, Farmington, N.M.
AGENT and TITLE D. W. Mitchell, Gas Engineer
WITNESSED Albert Greer and Virgil Stebbins
COMPANY Random-Renton-Greer

REMARKS

* Two 12" nipples of 2" pipe were added to the choke at the end of the 3 hour flow period. The observed pitot tube reading was 5.1 inches of water, or 266 MCF/D.

The tubing was blown to the atmosphere before and after the test. No fluid.

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