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Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
 Initial X Annual _____ Special _____ Date of Test 2/20/63
 Company Compass Exploration, Inc. Lease Northwest Farmington Well No. 1-32
 Unit A Sec. 32 Twp. 30N Rge. 13W Purchaser _____
 Casing 4-1/2" Wt. 10.5 I.D. _____ Set at 6125 Perf. 5792 To 5918
 Tubing 1-1/2 Wt. 2.75 I.D. _____ Set at 5888 Perf. Open Ended To _____
 Gas Pay: From 5792 To 5918 L _____ xG .650 -GL _____ Bar.Press. _____
 Producing Thru: Casing _____ Tubing X Type Well Single - Gas
 Single-Bradenhead-G. G. or G.O. Dual _____
 Date of Completion: 2/12/63 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Blocked) (Choke) (Narrow) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Blocked) (Line) Size	(Choke) (Blocked) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1970		1979		
1.										
2.										
3.	2"	3/4"	213		59			787		3 Hours
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.							
2.							
3.	12.365		225	1.0010	.9608	1.024	2740
4.							
5.							

PRESSURE CALCULATIONS

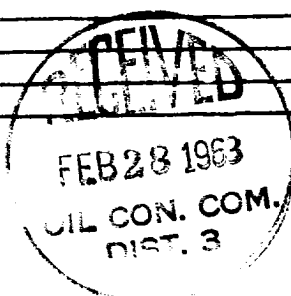
Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ (1-e^{-s}) P_c 1991 P_c² 3,964,081

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.									
3.	799					638,401	3,325,680		1.1920
4.									
5.									

Absolute Potential: 3126 MCFPD; n = .75 1.1407

COMPANY COMPASS EXPLORATION, INC.
 ADDRESS P. O. Box 1138, Farmington, New Mexico
 AGENT and TITLE E. C. Ellis, Area Manager
 WITNESSED _____
 COMPANY _____

REMARKS



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

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OIL CONSERVATION COMMISSION		
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