MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Initial Annual Special Date of Test Air 12. If Company In American Petrolem Corporation are Charler Heath Well No. 1 Unit Sec. 12 Twp. 278 Rge. 138 Purchaser In Pace Setural Cas Company Casing 1/2 Wt. 7.5 I.D. 1.995 Set at 6000 Perf. 5447 To 5766 Tubing 3/6 Wt. 4.7 I.D. 1.995 Set at 5745 Perf. To			
Unit Sec12 Twp Rge134 PurchaserI1 Face Noteral Gas Company Casing Wt9.5 I.D. 4.090 Set at 6000 Perf To To			
Casing 1/2 Wt. 9.5 I.D. 4.090 Set at 6000 Perf. 9947 To 9966			
Casing 1/2 Wt. 9.5 I.D. 4.090 Set at 6000 Perf. 9947 To 9966			
Open ended			
Tubing Wt. 1.D. 1.T. Set at 7.13 Peri. 10			
Gas Pay: From 9947 To 9946 L 9915 x(0,700 (Let)GL 4141 Bar.Press. 12			
Producing Thru: Casing Tubing Type Well Magle Cos			
Date of Completion: Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.			
OBSERVED DATA			
Tested Through (Choke) (Choke) (Type Taps			
Flow Data Tubing Data Casing Data			
No. (Line) (Choke) Press. Diff. Temp. Press. Temp. Press. Temp. Of H			
Size Size psig h _w OF. psig OF. psig F. Hr.			
SI Shut in 13 days 2 200. 200. 200. 200. 200. 200. 200. 2			
2. 3.			
<u>4.</u>			
FLOW CALCULATIONS			
No. Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Factor Factor Q-MCFPD	OW		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	sia		
1. 12,365 504 1,000 0,9356 1,073 7173			
3 c L			
5.			
PRESSURE CALCUTATIONS			
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid			
$P_{c} = P_{c} = P_{c$			
$P_{\mathbf{W}}$			
No. $\begin{bmatrix} P_w \\ P_t \text{ (psia)} \end{bmatrix}$ P_t^2 F_cQ $(F_cQ)^2$ $(F_cQ)^2$ P_w^2 $P_c^2 - P_w^2$ P_c P_w P_w P_c			
1. 2,994,569 2,224,332 "			
3.			
5.			
Absolute Potential: 11,763 MCFPD; n 0,75 COMPANY Pan American Potrolom Company			
ADDRESS AGENT and TITLE			
ACTENT GRID TITLES			
COMPANY REMARKS On Con 1960 Olsr. com.			
OIST: 3 COM.			

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 I Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw- Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{L}}$.

		
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