SHEET #2

Form C-122

Size psig hw 0F. psig	12-1
Ompany America Petroleum Corporation Lease State J C *P* Mell No. 1 Sec. 14	
Sec. 16 Twp. 21-5 Rge. 36-15 Purchaser Permiss Ratin Pipeline Composition Sec. 16 Twp. 21-5 Rge. 36-15 Perf. 3150! To 3300!	0
Sec. 14 Twp. 21-5 Rgs. 34-5 Purchaser Permiss Basin Pipeline Commissing 5,500s Wt. 15.55 I.D. 950s Set at 3700! Perf. 3150! To 3300! bing 2-3/6s Wt. 4.76 I.D. 1.995s Set at 3222! Perf. 3179! To 3222! S Pay: From 3150 To 3300 L 3279! XG 0.660 TOL 2164 Bar. Press. 13.2 coducing Thru: Casing	
### Sings Stoop Wt. 15.55 I.D. 1.9950 Set at 3700 Perf. 31501 To 33001	ORINY
bing 2-3/8* Wt. 4.77 I.D. 1.795* Set at 3282' Perf. 3279' To 3282' s Pay: From 3150 To 3300 L 3279' xG 0.640 GL 2164 Bar.Press. 13.2 polucing Thru: Casing Tubing X Type Well Single te of Completion: 1-23-51 Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. 87° Calentated 22 = 0.58% M2 = 1.67% OBSERVED DATA Type Taps Pipe Flow Data Tubing Data Casing Data (Tropped Circles Frees. Diff. Temp. Press. Temp. Press. Premp. Our (Line) Size psig hw Gr. psig Gr. psig Gr. psig Gr. hy Size psig hw Gr. psig Gr. psig Gr. hy 1.50 70.0 2.3 75 76.3 196.4 20.0 FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Factor Factor Factor Factor Gravity Separator Gas FLOW CALCULATIONS Coefficient Pressure Flow Temp. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pressure CALCULATIONS Ciquid Hydrocarbon Ratio of Johl. Specific Gravity Flowing Fluid Pressure Calculations FRESSURE CALCULATIONS Ciquid Hydrocarbon Ratio of Johl. Specific Gravity Flowing Fluid Pressure Gravity Flowing Fluid Processor Ratio Office Free Ratio Office Gravity Flowing Fluid Processor Ratio Office Free Ratio Office Gravity Flowing Fluid Processor Ratio Office Free Ratio Office Gravity Flowing Fluid Processor Ratio Office Free Ratio Office Gravity Flowing Fluid Processor Ratio Office Free Ratio Office Gravity Flowing Fluid Processor Ratio Office Free Ratio Offi	
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PLOW CALCULATIONS Compress Rate of Factor	Flor
Pressure Flow Temp. Gravity Compress. Rate of Flow Temp. Factor	r.
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Coefficient (24-Hour) \[\begin{array}{c ccccccccccccccccccccccccccccccccccc	
PRESSURE CALCULATIONS Pressure Calculation Pressure Calculatio	Flow
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid P. C. 1712 P2 154.5 Pw Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² (FcQ) ² Pw ² Pc-Pw Cal. Pw Pc 154.5 Pw Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw Pc 154.5 Pw Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc 154.5 Pw Pt (psia) Pt FcQ (1-e-s) Pw Pt Pc Pc Pw Pc Pc Pc Pw Pc Pc Pc Pw Pc Pc Pc Pw Pc Pc Pc Pc Pw Pc Pc Pc Pw Pc Pc Pc Pw Pc	
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio	psia
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Specific Gravity Separator Gas Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 674.2 Pc 454.5	
Specific Gravity Separator Gas Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 674.2 Pc 454.5	
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Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw R9.5 8.010 1.987 3.948 0.5448 8.555 W.5.9 92.5 0.137 lute Potential: 204 MCFPD; n 1.00 Limited ANY America Petroleum Corporation ESS Drawer D. Monument. New Mexico T and TITLE G. & Any due District Engineer	
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ANY Permian Basin Pipeline Company	

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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- Pc 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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_{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_{+} .