Pool **Bluitt San Andres**   San Andres   **Roosevelt**

Initial **X**   **8-10-64**

Company **BTA Oil Producers**   **Felmont State**   Well No. **1**

Unit **C** Sec. **9**   **85**   37E   **None**

Casing **4½** Wt. **9.4**   **4.090**   4630   4410   **4514**

Tubing **2 3/8** Wt. **4.7** I. **1.995**   4451   **open end**

Gas Pay: From **4410** To **4514** L **4462**   **.765**   **3413** Bar.Press. **13.2**

Producing Thru: Casing   **X**   **Single**

Date of Completion: **7-21-64**   **yes**   Wellhead-G. G. or C.O. Dual

Tested Through (Prover) (Choke) (Meter)

No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press.					Casing Data Press. psig	Temp. F.	Duration of Flow Hr.
SI						1242				
1.	2x1,000	18/64	17		39°	1392				72
2.	4x1,500	20/64	16		41°	1311				1
3.	4x1,500	22/64	26		40°	1186				1
4.	4x2,000	24/64	13.5		40°	1073				1
5.										1

No.	Coefficient (24-Hour)						Rate of Flow Q-MCFPD @ 15.025 psia
1.	22,0662		30.2	1.0208	.8856	Negligible	602.4
2.	47.979		29.2	1.0188	"	" " " "	1,264
3.	47.979		39.2	1.0198	"	" " " "	1,699
4.	86.594		26.7	1.0198	"	" " " "	2,088
5.							

Gas Liquid Hydrocarbon **Negligible**   Gas **.765**

Gravity of Liquid Hydrocarbon   Flowing Fluid

c **9.936**   **.209**   **1432**   **2,051**

No.	Pw Pt (psia)	P²				
1.	1405		1974.0	77.0	1405	
2.	1324		1753.0	298.0	1324	
3.	1199		1437.6	613.4	1199	
4.	1066		1179.4	872.6	1066	
5.						

Absolute Potential: **3,243**   **.5147418**

COMPANY **BTA Oil Producers**

ADDRESS **BTA Bldg. Midland, Texas**

AGENT and TITLE **C. Allen Dorsey   Agent**

WITNESSED **Roger Fawcett Inst. Tech. Tatum N. Mex.**

COMPANY **Sinclair O & G Co.**

*Used bottom hole pressure bomb
H₂S 230 grains by tutwiler

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.