

OKLAHOMA CORPORATION COMMISSION - OIL & GAS CONSERVATION DIVISION
 380 Jim Thorpe Building-Oklahoma City Oklahoma 73105
 BACK - PRESSURE TEST FOR NATURAL GAS WELLS

Lease Name: TROUT WELL FED. NO. 1 OTC No.:
 Well No.: 1 SEC: 29 TWP: 5S RGE: 24E County: CHAVES
 State: NEW MEXICO Type test: FOUR POINT-SPECIAL Test date: 7-19-82
 Company: JACK GRYNBERG Connection: TRANS-WESTERN PIPELINE
 Field: PACOS SLOPE Pool No.: Reservoir: ABO
 Location: UNIT O Compl date: 1-29-82 Tot depth: 4152 Plug back: 4066
 Elev.: 4149 KB Type compl: SINGLE Packer set at: 0
 Prod. thru: TUBING BHT: 112.0 F Atm temp: 111 F Baro press.: 13.2 PSI
 Size: METER RUN 2.067 in Taps: FLANGE L: 3793 H: 3793 Gg: .685
 %CO2: 1.55 %N2: 9.99 %H2S: 0 API WELL NO.: 31
 Casing Size(in) Wt(#/Ft) Set at ***** Perforation *****
 4.500 10.50 4066 from 3664 to 3921
 Tubing 2.375 4.70 3810 from 0 to 0

***** FLOW DATA *****					** TUBING **		** CASING **		* DURATION *
No.	Orifice Size	Press PSIG	Diff in/RTS	Temp F	Press PSIG	Temp F	Press PSIG	Temp F	Dur. of Flow(hrs)
SI					945.0	111.0	1075.4	111.0	816.00
1	1.3750	330.0	9.80	65	898.0	91.0	996.2	96.0	1.00
2	1.3750	340.0	34.30	57	844.0	90.0	950.0	96.0	1.00
3	1.3750	340.0	60.00	55	781.0	88.0	896.6	96.0	1.00
4	1.3750	355.0	93.00	60	694.0	88.0	827.2	96.0	1.00

***** RATE OF FLOW CALCULATION *****							
No.	Coef. (24hrs)	SQRT (Hw*Pw)	Press Pm	Flow (Ft)	Temp (Fg)	Gravity (Fgv)	Rate of Flow(Q)
1	10.4600	57.99	343.2	.9952	1.2082	1.0281	750.
2	10.4600	110.07	353.2	1.0029	1.2082	1.0320	1440.
3	10.4600	145.57	353.2	1.0048	1.2082	1.0320	1908.
4	10.4600	185.05	368.2	1.0000	1.2082	1.0320	2413.

***** **GAS LIQUID HYDROCARBON CALCULATION**				
No.	Pr	Temp. R	Tr	Z
1	.52	525.	1.49	.946
2	.54	517.	1.46	.939
3	.54	515.	1.46	.939
4	.56	520.	1.47	.939

Ratio .000 MCF/BBL
 API Gravity .0 DEG.
 Specific Gravity:
 Separator Gas .6850
 Flowing Fluid .6850
 Critical Press 659 PSIA 659 PSIA
 Critical Temp 353 R 353 R

Pc 1088.6 (Pc)2 1185.1

 No. Pw (Pw)2 (Pc)2-(Pw)2
 1 1009.4 1018.9 166.0
 2 963.2 927.8 257.0
 3 909.8 827.7 357.0
 4 840.4 706.3 479.0

$$(Pc)^2 / ((Pc)^2 - (Pn)^2) = 2.4740$$

$$((Pc)^2 / ((Pc)^2 - (Pw)^2))n = .0000$$

$$WHAOF = Q * ((Pc)^2 / ((Pc)^2 - (Pw)^2))n$$

$$= 5116.0 \setminus .0$$

Calculated Well Head Open Flow: 5116.0 MCFPD Slope: .8296 Angle: 50.3 Deg.

REMARKS

APPROVED BY COMMISSION CONDUCTED BY CALCULATED BY CHECKED BY
 Wohlford & Jenkins
 Gas Consultants