30-015-31736

Submit in duplicate to appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: CONCHO RESOURCES				Lease or Unit Name: SPRINGES "2" FED	
Type Test: ☑ Initial ☐ Annual ☐ Special				Test Date: 10/10/00	Well No.: 1
Completion Date: 9/13/00	Total Depth: 10850		Plug Back TD: 10744	Elevation:	Unit Ltr - Sec - TWP - Rge: 2 21S 25E
Csg. Size: 5 1/2 / Wt.: 17 / d: 4.892 / Set At: 10850			Perforations: From: 10534 To: 10587		County: EDDY
Tbg. Size: 2 7/8 / Wt.: 6.5 / d: 2.441 / Set At: 10509			Perforations: From: To:		Pool: Catclaw Draw Morrow
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE			Packer Set At: 10490		Formation:
Producing Thru: TUBING	Reservoir Temp.°F: 174.6	Mean Annual Temp. °F: 60	Baro. Press.-P_a: 13.2		Connection: SALES

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
10059	10059	0.587	1.224	0.398	N/A	N/A	4.022	FLG

	FLOW DATA				TUBING DATA		CASING DATA		
No.	Prover Line Size x Orifice Size	Press p.s.i.g.	Diff. h_w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow
SI					2500	N/A	PKR	N/A	
1	4.022 X 1.50	468	9.4	74	1520				1 HR
2	4.022 X 1.50	468	19.2	71	1420				1 HR
3	4.022 X 1.50	470	28.5	64	1260				1 HR
4	4.022 X 1.50	472	39.1	63	1141				1 HR
5									

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor F_g	Super Compress Factor F pv	Rate of Flow Q. Mcfd
1							1013
2	GAS VOLUMES	MEASURED	BY	TOTAL	FLOW	METER	1415
3							1691
4							1961
5							

No.	P_r	Temp. °R	T_r	Z
1				
2	TOTAL	FLOW	METER	
3				
4				
5				

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: 0.587 XXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 677 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 345 R. ____ R

P_c 2513.2 P_c^2 6316.2

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	2350.7	1536.6	2361.3	3549.9
2	2054.1	1440.4	2074.8	4241.4
3	1621	1284.9	1651	4665.2
4	1332.2	1171.7	1372.8	4943.3
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.278$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.278$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.506$

Absolute Open Flow: 2506 Mcfd @ 15.025 | Angle of Slope (): 45 | Slope n: 1

Remarks: * WELL MADE 21 BBLS OF WATER DURING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MB	BM