NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 11 1982
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-9-82	
Company: El Paso Exploration Company			Connection: Northwest Pipeline Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 8-2-82	Total Depth: 8080		Plug Back TD	Elevation: 7020 GL	Farm or Lease Name: Jicarilla 152W
Csg. Size: 4.50 / Wt.: 10.5 / d: 4.052 / Set At: 8080			Perforations: From 7800 To 7983		Well No.: #3E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 7973			Perforations: From To		Unit: A / Sec.: 7 / Twp.: 26 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At		County: Rio Arriba
Producing Thru	Reservoir Temp. °F @		Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.696				2.50	4"	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					1562		2367		7 Days
1.	4" X 2.50	43	28.1	60	162		581		3 Hours
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	32.64	39.30	55	1.000	1.199	1.000	1538
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 46.3 Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2379 P_c^2 5,659,641

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		593	351,649	5,307,992
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0662$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0493$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1614$

Absolute Open Flow 1614 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Liquid - 5.76 Bbls. Oil, 8 Bbls Water: Gravity - 46.3 API
Gas Vented - 319 MCF: GOR = 55,400 CF/Bbl

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	L. Schmitz	Bill Clark	