

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-79

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3/21/81	
Company Supron Energy Corporation (Hill)		Connection	
Pool Basin		Formation Dakota	
Completion Date 3/7/81	Total Depth	Plug back TD	Elevation
Farm or Lease Name Jicarilla A			
Coq. Size 5.500	Wt. 20.00	Set At 4.778	Perforations: From 7998 To 8190
Thq. Size 1.900	Wt. 2.90	Set At 7889	Perforations: From To
Type Well - Single - Broadhead - G.G. or G.O. Multiple G - G Multiple		Packer Set At 7889	Well No. 10E
Producing Thru Tubing	Reservoir Temp. *F #	Mean Annual Temp. *F	Baro. Press. - P _a
County Rio Arriba		State New Mexico	
L	H	Gg est. .650	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
51							1271 (D)		351 (PC)		14 days
1.			.750	62		40	62	40	351 (PC)		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		74	1.0198	.9608	1.0000	897
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	5476	271	73272	1572817		1.0347	
2.							
3.							
4.							
5.							

Absolute Open Flow 928 Mcfd @ 15.025" Angle of Slope θ _____ Slope, n .75

Remarks: Distillate flowed by heads after 15 minutes.

Approved by Division	Conducted By: CRW	Calculated By: <i>Alfred Kendrick</i>	Checked By:
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