

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 25 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-19-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 7-19-85	Total Depth 6587	Plug Back TD 6571	Elevation 6365
Farm or Lease Name Huerfano Unit			Well No. #191E
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6587
Perforations: From 6409 To 6554		Well No. #191E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6539
Perforations: From To		Unit B	Sec. 21
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	Twp. 26
Producing Thru Tbg.		Reservoir Temp. °F a	Mean Annual Temp. °F
Baro. Press. - P _a 12		County San Juan	
State New Mexico		Unit B	Sec. 21
Taps		Twp. 26	Age. 9
L	H	Gg	% CO ₂
.700		% 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
1.	.750		173		80		1213		1423		7 Days
2.							173		518		3 Hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		185	.9813	.9258	1.020	2120
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

P _c 1435	P _c ² 2059225	
NO. 1	P _w 530	P _w ² 280900
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2059225}{1778325}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2367$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1163$$

Absolute Open Flow 2367 Mcfd @ 15.025	Angle of Slope 0	Slope, n .75
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Remarks: Made one small slug of oil. Gas vented during test = 347 MCF.

Approved By Commission:	Conducted By: John Easley	Calculated By: Ed Mabe	Checked By: kld
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