

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date				
Company Pioneer Production Cor.					Connection				
Pool Undesignated Chacra					Formation Chacra				
Completion Date 2-21-81		Total Depth 6260'		Plug Back TD 6261'		Elevation 6250'		Farm or Lease Name Dustin	
Coq. Size 4 1/2"	Wt. 11.6	d 4.000	Set At 6299' RKB	Perforations: From 2586 To 2684		Well No. 1E			
Tbg. Size 1 1/2"	Wt. 2.3#	d 1.380	Set At 5959'	Perforations: From open end To		Unit Sec. Twp. Rge. J 6 29N 12W			
Type Well - Single - Windhead - G.C. or G.O. Multiple dual: gas/gas					Packer Set At		County San Juan		
Producing Thru CSG.		Reservoir Temp. °F A		Mean Annual Temp. °F		Baro. Press. - P _a		State NM	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

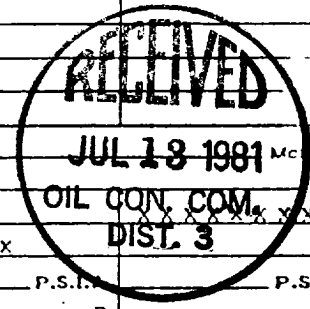
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
51	See attached report for details of 8 hrs. back pressure test.									
1.										
2.										
3.										
4.										
5.										

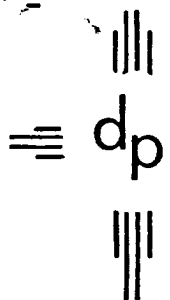
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

$AOF = Q \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$			
Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope @ _____ Slope, n _____			
Remarks:			
Approved by Division _____ Conducted by: _____ Calculated by: _____ Checked by: _____			





dugan production corp.

Pioneer Production Corporation
Dustin #1E

BACK PRESSURE TEST

Chacra Formation

	<u>Dakota Tubing</u>	<u>Chacra Casing</u>	<u>Prover Pressure</u>	1" Plate 2" Critical Flow Prover
3-6-81				
Shut In	1150	850		
9:20 a.m.	ON			
10:00 a.m.	1150	610	94	
10:20 a.m.	1150	425	67	
11:20 a.m.	1150	270	34	
12:20 p.m.	1150	205	23	
1:20 p.m.	1150	160	17	
Started lifting fluid at 1:30 p.m.				
2:20 p.m.	1150	152	16	
3:20 p.m.	1150	140	14	
4:20 p.m.	1150	130	12	
5:20 p.m.	1150	120	10	



Tank - 1" - oil produced, 1.68 bbls.

Q = 485 MCFPD

CAOF = 495 MCFPD

