

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-122

Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

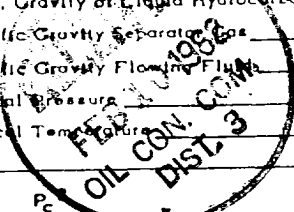
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-1-82	
Company Pioneer Production Corp.				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date 1-24-82		Total Depth 6200'		Elevation 5462' GL	
Perforations: From 6027 To 6146		Well No. 1E		Farm or Lease Name Salmon	
Perforations: From open ended To		Unit B 30 29N 11W		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas dual				Packer Set At 2900' RKB	
Producing Thru tbg.		Reservoir Temp. °F P		State NM	
L		H		Cg	
% 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 _v	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1	SEE REVERSE FOR DETAILED INFORMATION ON BACK PRESSURE TEST FOR THE DAKOTA FORMATION.									
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, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/ubt.
1					A.P.I. Gravity of Liquid Hydrocarbons	_____ Deg.
2					Specific Gravity Separation Gas	XXXXXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A. _____ P.S.I.A. _____
5					Critical Temperature	R _____ R _____



NO.	P _t ²	P _w ²	P _w 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						

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

Absolute Open Flow	1282 MCFGPD	Mcf @ 15.025	Angle of Slope Φ	Slope, n
Remarks:				
Approved By Division	Conducted By:	Calculated By:	Checked By:	

PIONEER PRODUCTION CORPORATION

Salmon #1E

BACK PRESSURE TEST

Dakota Formation

4" meter Run	1.500" Orifice Plate		400# Static Spring		100" Range
<u>2-1-82</u>	<u>Static</u>		<u>Diff.</u>	<u>Dakota Tubing</u>	<u>Chacra Tubing</u> <u>Chacra Casing</u>
9:00 a.m.	---	ON	---	1345#	874# 890#
9:15	4.6		4.4	1240	874 890
9:30	4.6		4.4	1220	874 890
9:45	4.6		4.4	1210	874 890
10:00	5.1		4.7	1165	874 890
10:15	5.1		4.7	1125	874 890
10:30	5.1		4.7	1075	874 890
10:45	5.1		4.65	1065	874 890
11:00	5.1		4.65	1065	874 890
12:00 p.m.	5.1		4.65	960	874 890
1:00	6.9		3.8	905	874 890
2:00	7.1		4.0	870	874 890
3:00	7.6		4.2	800	874 890
4:00	7.7		4.2	778	874 890
5:00	7.7		4.2	735	874 890

Shut in at 5:00 p.m.

Took gas sample at 3:20 p.m.

Made 25 bbls. condensate and no water in 8 hrs.

Q = 905 MCFGPD

AOF = 1282 MCFGPD