

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-12-83	
Company JEROME P. McHUGH		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 12-31-82		Total Depth 6800'	Plug Back TD 6751'
		Elevation 5812' GL	
Farm or Lease Name Little Stinker		Well No. 1	
Coq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 6796'
Perforations From 6695 To 6712			
Perforations From open ended			
Unit J	Sec. 11	Twp. 30N	Rge. 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single - gas		Packer Set At	
Producing Thru tubing		Baro. Press. - P ₀	
State NM			
L	H	G _g .65	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	
Tape			

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
SI							1230		1985		7 days
1.											
2.											
3.	5/8" pos. choke						147	55°	950		3 hrs
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							
2							
3	8.5417		159	1.005	.9608	1.018	1335
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 _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						
2						
3		962	925,444	3062560	1.3022	1.2190
4						
5						

Absolute Open Flow _____ 1627 _____ Mcfd @ 15.025		Angle of Slope _____	
Remarks: Light mist during test			
Approved by Division _____ Conducted By: Hall _____ Calculated By: Hall _____ Checked By: _____			

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