

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 03/16/80	
Company H. L. HARVEY		Connection NONE	
Pool BLOOMFIELD FARMINGTON		Formation FARMINGTON SAND	
Completion Date 03/09/80		Total Depth 1950	
Plug Back TD 1890		Elevation 5728	
Farm or Lease Name JONES			
Coq. Size 4 1/2	Wl. 10 1/2	d 4.025	Set At 1950
Perforations: From 1078 To 1085		Well No. 3	
Trg. Size 1"	Wl. 1.8#	d 1.049	Set At 1136
Perforations: From To		Unit Sec. Twp. Rge. B 13 29N 11W	
Type Well - Single - Drifted - G.C. or G.O. Multiple SINGLE		Packer Set At N/A	
County SAN JUAN			
Producing Thru TUBING		Reservoir Temp. °F 100 @ 1950	
Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State NEW MEXICO			
L	H	Gg	% CO ₂
			% N ₂
			% H ₂ S
Prover		Meter Run	
Taps			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
1.	6" X 2"	3/4	
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	
1.	427	38	
2.			
3.			
4.			
5.			
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	
1.	427	30	
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.	11		50
2.			
3.			
4.			
5.			
Flow Temp. Factor Ft.			
1.	1.030		
2.			
3.			
4.			
5.			
Gravity Factor Fg			
1.	1.24		
2.			
3.			
4.			
5.			
Super. Compress. Factor, Fpv			
1.	1.006		
2.			
3.			
4.			
5.			
Rate of Flow O. Mcfd			
1.	706.7		
2.			
3.			
4.			
5.			
NO.	R	Temp. °R	T
1.	.0746	490	1.30
2.			
3.			
4.			
5.			
Z			
1.	.989		
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c 427 P _c ² 182,329			
NO.	P _i ²	P _w	P _w ²
1.		302	91204
2.			
3.			
4.			
5.			
(1) $\frac{P_c^2}{P_w^2 - P_c^2} = 2.000$			
(2) $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 1.80$			
LOG = 0 $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 1273$			
Absolute Open Flow _____ Mcfd @ 15.025			
Angle of Slope @ _____			
Remarks:			
Approved By Division			
Conducted By:			
Calculated By:			
Checked By:			