

3 NMOCB

OIL CONSERVATION DIVISION 1 McHugh 1 File
for

Form C-172
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type of Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-10-83	
Company Jerome P. McHugh		Connection	
Pool So. Gallegos Fr-PC		Formation Fruitland	
Completion Date 1-25-83		Total Depth 1360	
Plug Back TD 1324		Elevation 5926' GL	
Well No. 6		Form or Lease Name Bengal B	
Csg. Size 2-7/8"		Set At 1357' GL	
Perforations From 1137 To 1149		Well No. 6	
Tub. Size 2-7/8"		Set At 1357' GL	
Perforations From To		Unit P 2 26N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - gas		Packer Set At	
Producing Thru		County San Juan	
Reservoir Temp. °F p		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a	
L		H	
G _g		G _o	
.62 est.		Prover	
Meter Run		Taps	
FLOW DATA			
TUBING DATA			
CASING DATA			
Duration of Flow			
NO.	Prover Line Size	X	Orifice Size
1			
2			
3	1/2" pos. choke		2
4			
5			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1			
2			
3	5.4315		14
4			
5			
NO.	R _g	Temp. °R	T _g
1			
2			
3			
4			
5			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ XXXXX XXXXX			
Specific Gravity Flowing Fluid _____ XXXXX			
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R			
P _c _____ P _w _____			
NO.	P ₁	P ₂	P ₃
1			
2			
3			
4			
5			
(1) $\frac{P_c^2}{R^2 - R_w^2} = \dots$			
(2) $\left[\frac{P_c^2}{R^2 - R_w^2} \right]^n = \dots$			
AOF = Q $\left[\frac{R^2}{R^2 - R_w^2} \right]^n = \dots$			
OIL CON. D.V. %			
DIST. %			
Absolute Open Flow _____ 75 _____ Mcf @ 15.025 _____ Angle of Slope _____ Slope, n _____			
Friction negligible - AOF = Q			
Conducted By _____ Calculated By _____ Checked By _____			