

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

RECEIVED
AUG 17 1972
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/2/72	
Company W. M. GALLAWAY		Connection	
Pool FULCHER KUTZ		Formation PICTURED CLIFFS	
Completion Date 7/11/72		Total Depth 1760	Plug Back TD 1720
Elevation 5492		Farm or Lease Name DELO	
Csg. Size 4-1/2"	Wt. 9.50	d	Set At
Perforations: From 1613 To 1623		Well No. 6	
Tog. Size 1"	Wt.	d	Set At
Perforations: From 1618 To 1628		Unit K	Sec. Twp. Rge. 20 29N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At None	County SAN JUAN
Producing Thru TUBING	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a 12
State NEW MEXICO			
L	H	G _g 0.620	% 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.	Temp. °F	
SI	2"		3/4"				175		177		7 DAYS
1.							1	600	142		3 HOURS
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		13	1.0000	0.9837	1.000	158
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 189	P _c ² 35,721			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		154	23,716	12,005
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.9755$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5265$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 399$

Absolute Open Flow 399	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			

Approved By Commission:	Conducted By: Kenneth F. Roddy	Calculated By: Kenneth F. Roddy	Checked By: Kenneth F. Roddy
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