

MEXICO OIL CONSERVATION COM. ON
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

c/sr
File
Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/8/88		MAR 08 '88	
Company McClellan Oil Corp. ✓				Connection Pipe		O. C. D.	
Pool Pecos Slope <i>also</i>				Formation Abo		Unit ARTESIA, OFFICE	
Completion Date 6/1/87		Total Depth 4275'		Plug Back TD 4095'		Elevation 3764'	
Csg. Size 4 1/2"		Set At 4136'		Perforations: From 3712' To 3868'		Well No. 11	
Trq. Size 2-3/8"		Set At 3698'		Perforations: From To		Unit Sec. Twp. Rge. B 28 5S 25E	
Type Well - Single - Pradthead - G.G. or G.O. Multiple Single				Packer Set At NA		County Chaves	
Producing Thru tubing		Reservoir Temp. °F 95 @ 4275'		Mean Annual Temp. °F 60		State NM	
L		H		Gg .654		% CO ₂ % N ₂ % H ₂ S Prover .11 7.38	
						Meter Run Taps 2" Ft	

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				1000							
1.	2.067		1.25	185	5.0	45	590		591		1 hour
2.	"		"	225	7.5	45	574		577		"
3.	"		"	200	17.5	45	559		561		"
4.	"		"	223	36.5	45	537		550		"
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 Fpv	Rate of Flow Q, Mcfd
1	10.75	30.4	185	1.0157	.9571	.9903	329
2.	"	41.0	225				441
3.	"	59.1	200				636
4.	"	90.2	223				965
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio _____ TSTM _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ 61 _____ Deg.	
2.					Specific Gravity Separator Gas _____ .653 _____ 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 ₁ ²	P _w ²	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} =$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

$AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 990$			
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Absolute Open Flow _____ 990 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____	
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Remarks: _____			
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Approved By Commission:	Conducted By: Enron	Calculated By:	Checked By:
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