

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-27-81	
Company EPC			Connection EPNG			
Pool ASIN DAKOTA			Formation DAKOTA		Unit	
Completion Date 3-16-81		Total Depth 6644.		Plug Back TD 6607.		Elevation 5750.
Farm or Lease Name STATE COM AF						
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6644.	Perforations: From 6431. To 6509.		Well No. 28F
Tub. Size 2.063	Wt. 3.2	d 1.751	Set At 6403.	Perforations: From 0. To 0.		Unit Soc. Twp. Rge. 36-T29N-R10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple FLOWING				Packer Set At 6171.		County SAN JUAN
Producing Thru TUBING		Reservoir Temp. °F 27.0 6470.		Mean Annual Temp. °F 60.0		Baro. Press. - P _a 12.2
State NM						
L 6470.	H 6470.	Gg 0.673	% CO ₂ 0.	% N ₂ 0.	% H ₂ S 0.	Prover 0.
Meter Run 0.		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							1320.	50.			168.0
1.	1.75 X 0.750			120.	0.	55.	120.	55.	0.	0.	3.0
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.22	0.	132.2	1.0048	1.2190	1.0149	1845.
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.20	515.	1.35	0.071	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 0.673
3.					Specific Gravity Flowing Fluid _____ 0.673
4.					Critical Pressure _____ 660. P.S.I.A. 669. P.S.I.A.
5.					Critical Temperature _____ 381. R 381. R

P _c 1332.5	P _c ² 1792.	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1035 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0766$	
NO.	P _t ²	P _w	P _w ²
1	17.	410.	168.
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1086.$	
--	--

Absolute Open Flow _____ 1086. Mcfd @ 15.025	Angle of Slope @ _____ 52.1	Slope, n _____ 0.750
--	-----------------------------	----------------------

Remarks:			
----------	--	--	--

Approved By Commission:	Conducted By: James Archer	Calculated By:	Checked By:
-------------------------	-------------------------------	----------------	-------------