

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 01-02-86	
Company El Paso Natural Gas			Connection		
Pool Basin			Formation Dakota		Unit
Completion Date 01-02-86		Total Depth 7501		Plug Back TD 7490'	Elevation 6300 GR
Csg. Size 4 1/2	Wt. 10.5	d 4.052	Set At 7501	Perforations: From 7284 To 7458	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7453	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F @	
Baro. Press. - P _a		State New Mexico			
L	H	G _g	% 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							1234		1780		7 Days
1.											
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.							
2.							
3.							
4.							
5.							

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

NO.	P _i ²	P _w ²	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$ _____ AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$ _____
1.					
2.					
3.					
4.					

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
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Remarks: AFG = 1150 MCF/D - For Sizing equip. only

Approved By Commission:	Conducted By: Bobby Easterling	Calculated By: Scott H. Lindsay	Checked By: kld
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Pool Basin				Formation Dakota				Unit	
Completion Date 01-02-86		Total Depth 7501		Plug Back TD 7490'		Elevation 6300 GR		Farm or Lease Name Riddle B	
Csg. Size 4 1/2	Wt. 10.5	d 4.052	Set At 7501	Perforations: From 7284 To 7458		Well No. #11E			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7453	Perforations: From To		Unit Sec. Twp. Rge. F 23 30 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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							1234		1780		7 Days
1.											
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

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OIL CON. DIV. DIST. 3

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

NO.	P _t ²	P _w ²	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

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

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
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Remarks: AFG = 1150 MCF/D - For Sizing equip. only

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L	H	Gg	% 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							1234		1780		7 Days
1.											
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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.							
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 _____	XXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____	XXXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

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

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
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