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Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OGX RESOURCES LLC				Lease or Unit Name BUCK SHOT COM.				
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/18/07		Well No 1		
Completion Date 7-15-07		Total Depth 12888'		Plug Back TD 12804'		Elevation 3033'		
Unit Ltr - Sec - TWP - Rge I, 31, 245, 28E								
Csg. Size 4 1/2" LN	Wt. d	Set At 9165-12804	Perforations. From 12330 To 12430				County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 11960	Perforations. From 12498 To 12648'				Pool Undes. Salt Draw, Morrow West
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11960		Formation MORROW		
Producing Thru TBG		Reservoir Temp. °F 197.3 @ 12330		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		
Connection 7-11-07								
L 12330	H 12330	Gg 0.577	%CO ₂ 0.7471	%N ₂ 0.6812	%H ₂ S	Prover N/A	Meter Run 3.068	
Taps FLG								
FLOW DATA				TUBING DATA				
CASING DATA				Duration of Flow				
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	
SI								
1	3 X	2.000	677	32.4	65	3750		
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	21.32	149.54	690.2	0.9952	1.316	1.053	4,397	
2								
3								
4								
5								
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 628.1 Mcf bbl.			
1	1.02	525	1.51	0.902	A.P. I. Gravity of Liquid Hydrocarbons 56.0 @ 60 Deg			
2					Specific Gravity Separator Gas 0.577 XXXXXXXX			
3					Specific Gravity Flowing Fluid XXXXXX GMIX = .582			
4					Critical Pressure 672 P.S.I.A. 672 P.S.I.A.			
5					Critical Temperature 346 R. 350 R			
P _c 4263.2		P ₂ 18174.9						
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.534$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.534$			
1		3858.8	14890.7	3284.2				
2								
3								
4								
5								
Absolute Open Flow 24,333 Mcfd @ 15 025				Angle of Slope Q: 45		Slope n. 1		
Remarks WELL PRODUCED 35.0 BBLS H2O & 7.0 BBLS 56.0 API GR. CONDENSATE DURING TEST								
Approved By Division		Conducted By: Sonic Petroleum Services		Calculated By: BM		Checked By: BM		