

30-015-35344

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 LONG NOSE COM.				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4/21/07		Well No. 1		
Completion Date		Total Depth 11250		Plug Back TD		Elevation		Unit Ltr - Sec - TWP - Rge	
Csg. Size 5 LN	Wt. 18#	d 4.276	Set At 11250		Perforations: From: 11169 To: 11250		County EDDY		
Tbg. Size 2 7/8	Wt. 8.95	d 2.25	Set At 11184		Perforations: From: To:		Pool		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE					Packer Set At 11184		Formation ATOKA		
Producing Thru TBG		Reservoir Temp. °F 185.6 @ 11184		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection	
L 11184	H 11184	Gg 0.617	%CO ₂	%N ₂	%H ₂ S	Prover N/A	Meter Run 3.068	Taps FLG	
FLOW DATA					TUBING DATA			CASING DATA	
No.	Prover Line Size	Orifice x 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						6000			
1	3	X 2.000	591	17.1	41	950			
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		101.64	604.1	0.9741	1.273	1.101		2,959
2									
3									
4									
5									
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY Mcf bbl.				
1	1.43	501	1.38	0.825	A.P. I. Gravity of Liquid Hydrocarbons DRY GAS Deg.				
2					Specific Gravity Separator Gas 0.617 XXXXXXXX				
3					Specific Gravity Flowing Fluid XXXXXX N/A				
4					Critical Pressure 671 P.S.I.A. P.S.I.A.				
5					Critical Temperature 362 R. R				
P _c 6013.2 P _{c2} 36158.6									
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.031$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.031$				
1		1043.1	1088	35070.6					
2									
3									
4									
5									
Absolute Open Flow 3,051					Mcf @ 15.025 Angle of Slope (°) 45 Slope n: 1				
Remarks: NO FLUID PRODUCED DURING TEST									
Approved By Division:		Conducted By:		Calculated By:			Checked By:		
		Sonic Petroleum Services		BM			BM		

OGX RESOURCES LLC

LONG NOSE COM. # 1

