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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 OXY USA				Lease or Unit Name PENNYLOAFER			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/16/01		Well No. 1	
Completion Date 2-9-01		Total Depth 9370		Plug Back TD 9247		Elevation H	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At	Perforations: From: 8874 To: 8918		Unit Ltr - Sec - TWP - Rge 23 21S 22E	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 8831	Perforations: From: To:		County EDDY	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 8805		Formation Morrow	
Producing Thru TUBING		Reservoir Temp. °F 159.6	Mean Annual Temp. °F 60	Baro. Press. -P _a 13.2		Connection SALES 2-10-01	
L 8831	H 8831	Gg 0.63	%CO ₂ 0.4	%N ₂ 0.869	%H ₂ S N/A	Prover N/A	Meter Run 4.03
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
SI							
1	4.030 X 1.250		645	1.7	81	1588	N/A
2	4.030 X 1.250		648	6.7	88	1510	
3	4.030 X 1.250		656	18.8	74	1385	
4	4.030 X 1.250		673	66.1	74	980	
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							328
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	648
3							1091
4							2104
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 34.758 Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 58.8 Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas .630 / G. MIX=.712 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 673 P.S.I.A. 671 P.S.I.A.		
5					Critical Temperature 364 R. 394 R		
P _c 2023		P _{c2} 4092.5					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.64}{}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.6}{}$		
1		1931.6	3731	361.5			
2		1846.4	3409.2	683.3			
3		1707.3	2914.9	1177.6			
4		1266.5	1604	2488.5			
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{3366.4}{}$		
Absolute Open Flow 3366.4		Mcf/d @ 15.025		Angle of Slope (°): 46.34		Slope n: 0.9543	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. WELL MADE 5 BBLs OF 58.8 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

OXY U.S.A.
PENNYLOAFER FED #1

