

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

RECEIVED
OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY USA				Lease or Unit Name MEARBALL ST.			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/20/02	Well No. 1
Completion Date		Total Depth		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge 25 17S 27E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At	Perforations: From: 9642 To: 9650		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 9571	Perforations: From: To:		Pool Logan Draw Morray	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9571		Formation	
Producing Thru Tubing		Reservoir Temp. °F 138	Mean Annual Temp. °F 60	Baro. Press. -P _a 13.2		Connection SALES	
L 9569	H 9569	Gg 0.64	%CO ₂ 0.29	%N ₂ 0.596	%H ₂ S N/A	Prover N/A	Meter Run 4.026
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	4.026 X 1.500		346	1	68	348	
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							270
2							
3	TOTAL	FLOW	METER				
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 27 Mcf/bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 54.6 @ 60 Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.64 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX G MIX = .748		
4					Critical Pressure 673 P.S.I.A. 664 P.S.I.A.		
5					Critical Temperature 368 R. 401 R		
P _c	1393.8	P _{c2}	1942.7				
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{1.9}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9$		
1		759.3	920.3	1022.4	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 513$		
2							
3							
4							
5							
Absolute Open Flow		513	Mcf/d @ 15.025	Angle of Slope (°)	45	Slope n:	1
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. WELL MADE 10 BBLS OF 54.6 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

OXY USA
MEARBALL ST. # 1

