

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

C/SF

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OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: OXY USA				Lease or Unit Name: HONEST JOHN STATE			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9/5/01	Well No 1
Completion Date		Total Depth		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge
Csg. Size 4 1/2	Wt. 11 C	d 4	Set At	Perforations: From: 11612 To: 11618		County EDDY	
Tbg. Size 2 3/8	Wt. 4 7	d 1.995	Set At 11257	Perforations: From: To:		Pool S. Canisbad Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11244		Formation Morrow	
Producing Thru TUBING		Reservoir Temp. °F 192.3	Mean Annual Temp. °F 60	Baro. Press - P _a 13.2		Connection SALES	
L 11257	H 11257	Gg 0.571	%CO ₂ 0.901	%N ₂ 0.282	%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 Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
1	4.026 X 1.500	231	3.3	93	2675	N/A	PKR
2	4.026 X 1.500	237	6.8	112			
3	4.026 X 1.500	241	11	98			
4	4.026 X 1.500	248	24.7	83			
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_a P_m}$	Pressure P _a	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							384
2							557
3	TOTAL	FLOW	METER				714
4							1111
5							
No.	P _c	Temp. °R	T _c	Z	Gas Liquid Hydrocarbon Ratio N/A Mc/bbl		
1					A.P. 1. Gravity of Liquid Hydrocarbons N/A Deg		
2					Specific Gravity Separator Gas 0.571 XXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXX		
4					Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 350 R. R.		
P ₁	2687.6	P ₂	7223.1				
No.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 3.38$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.38$		
1		2494.1	6220.5	1002.0			
2		2529.4	6397.8	825.3			
3		2438	5943.8	1279.3			
4		2256.3	5090.9	2332.2			
5							
Absolute Open Flow 3755.2				Mcfd @ 15.025	Angle of Slope (°)	45	Slope n: 1
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. NO LIQUID MADE DURING TEST							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	