

30-025-36540

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

RECEIVED
Revised October, 1999

SEP 16 2004

QUD-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name DILLY BAR 8 ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date		Well No. 1	
Completion Date 6/20/04		Total Depth 12244		Plug Back TD 12173		Elevation 3648'	
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 12250	
Perforations: From: 11740 To: 11860				County LEA			
Tbg. Size 2 7/8		Wt. 6.5		d 2.441		Set At 11032	
Perforations: From: To:				Pool OSUDO MORROW SOUTH			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11000		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES		L 11032		H 11032		Gg 0.641	
%CO ₂ 2.017		%N ₂ 1.236		%H ₂ S		Prover 3.067	
Meter Run 3.067		Taps FLG					
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI						720	
1	3.067 X 1.000		320	1.26	72	500	
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 _{sp}	Rate of Flow Q, Mcfd
1							
2	TOTAL	FLOW	METER				
3							
4							
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A		Mcf bbl.
1					A.P. I. Gravity of Liquid Hydrocarbons N/A		Deg.
2					Specific Gravity Separator Gas 0.7		XXXXXXX
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXX		
4					Critical Pressure 677 P.S.I.A.		P.S.I.A.
5					Critical Temperature 366 R.		R
P _c 733.2 P _{c2} 537.6							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{2}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2$		
1		518.4	268.8	268.8	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.22$		
2							
3							
4							
5							
Absolute Open Flow		1.22		Mcf @ 15.025		Angle of Slope (°): 45	
Slope n:		1					
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By:		Calculated By:		Checked By:	
PRO WELL TESTING		MERV BUECKER		BM			

MEWBOURNE OIL CO.
DILLY BAR 8 STATE COM #1



