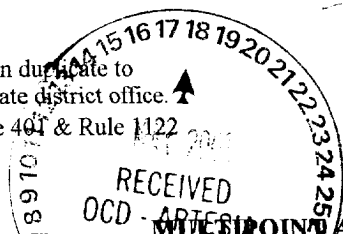


Submit in duplicate to appropriate district office. See Rule 401 & Rule 1122

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

CONFIDENTIAL



MULTIPLE POINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator CONCHO RES. INC.				Lease or Unit Name RANGER "17" FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/11/01		Well No. 3	
Completion Date 5/2/01		Total Depth 12290		Plug Back TD 12281		Elevation 3475	
Csg. Size 5-1/2	Wt. 17	d 12290	Set At 12290	Perforations: From: 11906 To: 12012		Unit Ltr - Sec - TWP - Rge 17 19S 31E	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At	Perforations: From: To:		County EDDY	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11794		Pool W Lusk Morrow	
Producing Thru TUBING		Reservoir Temp. °F 175.7		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
L 11959		H 11959		Gg 0.655	%CO ₂ 0.735	%N ₂ 0.567	%H ₂ S N/A
Prover N/A		Meter Run 2.067		Taps FLG		Connection SALES	
FLOW DATA				TUBING DATA			
Casing Data				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	2.067 X 1.125		714	9.4	93	2080	
2	2.067 X 1.125		715	12.3	88	1840	
3	2.067 X 1.125		716	25.2	89	1640	
4	2.067 X 1.125		719	47	80	1410	
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		h _w P _m	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}
1							686
2	GAS		VOLUMES	FROM	TOTAL	FLOW	METER
3							1155
4							1495
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 34.233 Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 56 Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas .655 G MIX=.740 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 673 P.S.I.A. 670 P.S.I.A.		
5					Critical Temperature 371 R. 401 R		
P _c 3613.9 P _{c2} 13060.3							
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.219$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.219$		
1	4381.5	2094.5	4387.1	7018.4			
2	3434.4	1855.1	3441.4	7964			
3	2733.1	1658	2749.1	8656.4			
4	2025.5	1432.8	2052.9	9352.6			
5							
Absolute Open Flow 1822 Mcfd @ 15.025				Angle of Slope (°): 45		Slope n: 1	
Remarks: * CALCULATED FROM KNOWN SHUT IN BOTTOM HOLE PRESSURE. WELL MADE 5 BBLS OF 56 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	