

30-005-63878

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator <u>McKay Oil Corporation</u>				Lease or Unit Name <u>Snakeweed "B" Fed #4</u>			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date <u>12/21/00</u>		Well No. <u>#4</u>	
Completion Date <u>12/12/00</u>		Total Depth <u>3316'</u>		Plug Back TD <u>3075'</u>		Elevation <u>4126'</u>	
Casing Size <u>4 1/2"</u>		Wt. <u>10.5</u>		Set At <u>3200'</u>		Perforations: <u>2934' To 3042'</u>	
Tubg. Size <u>2 3/8"</u>		Wt. <u>4.6</u>		Set At <u>3030'</u>		Perforations: <u>From: To:</u>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Snake</u>				Packer Set At <u>N/A</u>		Formation <u>ABO</u>	
Producing thru <u>2 3/8"</u>		Reservoir Temp. °F <u>89°</u>		Mean Annual Temp. °F <u>70°</u>		Bare Press. - P _a <u>13.2</u>	
L <u>SI</u>		Fg <u></u>		%CO ₂ <u></u>		%N ₂ <u></u>	
Prover		Meter Run		Taps			

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	Press. p.s.i.g.	
SI									
1.	2.000 x 1.00		135	15.7	58°				
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)	$\sqrt{b_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

No.	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl
1.				A. P. I. Gravity of Liquid Hydrocarbons	Deg.
2.				Specific Gravity Separator Gas	XXXXXXXXXX
3.				Specific Gravity Flowing Fluid	XXXXXX
4.				Critical Pressure	P.S.I.A. P.S.I.A.
5.				Critical Temperature	R. F

No.	P ₁	P ₂	P ₃	P ₄	P ₅	P ₆
1.						
2.						
3.						
4.						
5.						

(1) $P_2 = \frac{P_1^2 - P_w^2}{P_1^2 - P_w^2}$ (2) $\left[\frac{P_1^2}{P_1^2 - P_w^2} \right]^n =$

AOF = Q $\left[\frac{P_1^2}{P_1^2 - P_w^2} \right]^n =$

Absolute Open Flow 295 Mcfd(a) 15.025 Angle of Slope θ: Slope, n:

Remarks:

Approved By Division Conducted By: Calculated By: Checked By:

1 HR Flow Rate = 12.30