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: McKay Oil Corporation						Lease or Unit Name: Sagebrush B Fed #3			
Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 12/9/00		Well No.: #3	
Completion Date: 11-13-00		Total Depth: 3259'		Plug Back TD: 3216		Elevation: 4146		Unit Ltr. - Sec. - TWP - Rge.: S18, T6S, R23E	
Csg. Size: 4 1/2	Wt.: 11.6	I.D.	Set At: 3210	Perforations: From: 2952	To: 3156			County: Chaves	
Tbg. Size: 2 3/8	Wt.: 4.6	I.D.	Set At: 3210	Perforations: From:	To:			Pool: West Pecos Slope	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At:				Formation: ABO	
Producing Thru: 2 3/8	Reservoir Temp. °F: 51		Mean Annual Temp. °F	Baro. Press. - P_a: 13.2				Connection: AMI	
L	H	Gg	$\%CO_2$	$\%N_2$	$\%H_2S$	Prover		Meter Run	Taps

	FLOW DATA				TUBING DATA		CASING DATA		
No.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp °F	Duration Of Flow
SI										
1.	2.000	1.000	100	15	66					
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 Fg.	Super Compress. Factor, Fpv.	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

No.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A. P. I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R. _____ R

P_c _____ P_c^2 _____

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.				
2.				
3.				
4.				
5.				

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

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

Absolute Open Flow _____ Mcfd@ 15.025 Angle of Slope θ: _____ Slope, n: _____

Remarks: _____

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

1 HR Flow Rate = 25.6 McF