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IL CONSERVATION DIVISION

P. O. BOX 2088

NOV 1982

SANTA FE, NEW MEXICO 87501

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Form C-122

Revised 12-1-78

OCT 28 1982

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		ARTESIAN OFFICE 10/21/82	
Company C & K Petroleum Inc. ✓		Connection None	
Post White City Penn		Formation Morrow	
Completion Date 10/21/82		Total Length 11750'	Flow Back To 11688'
Casing Size 5 1/2"		Well No. 17.0	Perforations From 11348' To 11559'
Tubing Size 2 7/8"		Well No. 6.5	Perforations Open Ended
Type Well - Single - Bradenhead - G.O. or G.O. Multiple Single		Packer Set At 11198'	Country Eddy
Producing Thru Tubing		Reservoir Temp. °F 177° 11450'	Mean Annual Temp. °F 60°
L 11450'		H -	Baro. Press. - P _a 13.2
C _g 0.5772		% CO ₂ 1.060	% N ₂ 0.224
Prover -		% H ₂ S -	Meter Run 2.900
FLOW DATA		TUBING DATA	
NO	Prover Line Size	X	Orifice Size
1	2.900	6/64	1.500
2	2.900	7/64	1.500
3	2.900	9/64	1.500
4	2.900	10.5/64	1.500
5			
PRESS.		DWT	
1	200	2670	
2	230	2582	
3	265	2495	
4	273	2397	
5		2280	
RATE OF FLOW CALCULATIONS		CASING DATA	
NO	Coefficient (24 Hour)	Temp. °F	Rate of Flow Q, Mcfs
1	11.23	87	563.31
2	11.23	86	926.46
3	11.23	78	1395.48
4	11.23	87	1846.87
5			
NO		R ₁	Temp. °R
1	0.31	547	1.61
2	0.36	546	1.61
3	0.41	538	1.58
4	0.42	547	1.61
5			
Gas Liquid Hydrocarbon Ratio		Dry Gas	
A.P.I. Gravity of Liquid Hydrocarbons		-	
Specific Gravity Separator Gas		0.5772	
Specific Gravity Flowing Fluid		X X X X X	
Critical Pressure		679 P.S.I.A.	
Critical Temperature		340 °R	
NO		P ₁	P ₂
1	3516.2	12363.7	
NO		P _w	P _c
1	3378.2	11412.2	951.5
2	3271.2	10700.7	1663.0
3	3152.2	9936.4	2427.3
4	3010.2	9061.3	3302.4
5			
Absolute Open Flow		6320 Mcfd @ 15.025	
Angle of Slope		46° 41'	
Slope, n		0.943	
* BOTTOM HOLE PRESSURE @ (-8060) 11450' USED FOR PRESSURE CALCULATIONS			
WELL PRODUCED NO FLUID DURING TEST			
Approved By Division		Conducted By:	
Jarrel Well Testing, Inc.		Joe A. Coleman	
Calculated By:		Checked By: PE #2208	
Joe A. Coleman		Joe A. Coleman	