

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

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C-122*

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-1-72		OCT 17 1972		
Company Inexco Oil Company			Connection			
Pool <i>East Catclaw - Brown-Strawn</i>			Formation Strawn			
Completion Date 8-2-72		Total Depth 10800		Plug Back TD 10754		
Csg. Size 5 1/2		Wt. 17 & 20#		Set At 10800		
Tbg. Size 2 7/8		Wt. 6.5		Set At 10454		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Tbg & Csg			Packer Set At 10454		Unit O. C. C.	
Producing Thru Tbg. & Csg.		Reservoir Temp. °F 176 @ 9873		Mean Annual Temp. °F 70		
L 9873		H 9873		Gg 0.609		
% CO ₂ Mol 0.042		% N ₂ Mol 0.088		% H ₂ S Nil		
Prover		Meter Run 4"		Taps Flange		
Farm or Lease Name McMinn State						
Well No. 1						
Unit Sec. Twp. Rge. K 18 21 26						
County Eddy						
State New Mexico						

FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI				3075			3075		Pkr.		
1.	4"	x	1.000	2939	90	88	2939	88	"		1 hr.
2.	4"	x	1.500	2892	24	88	2892	88	"		1 hr.
3.	4"	x	1.500	2823	37	88	2823	88	"		1 hr.
4.	4"	x	1.500	2743	53	80	2743	80	"		1 hr.
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.	4.753	273.0	828.2	0.9741	1.279	1.075	1737.9
2.	10.84	143.5	858.2	0.9741	1.279	1.078	2089.2
3.	10.84	183.9	913.2	0.9741	1.279	1.082	2687.3
4.	10.84	223.0	938.2	0.9813	1.279	1.092	3313.1
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	1.23	548	1.45	0.866	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.	1.28	548	1.45	0.861	Specific Gravity Separator Gas	0.609
3.	1.36	548	1.45	0.854	Specific Gravity Flowing Fluid	XXXXXX
4.	1.39	540	1.42	0.838	Critical Pressure	673 P.S.I.A.
5.					Critical Temperature	379 °R

P _f 3904.2 P _f ² 15243			
NO.	P _i ²	P _s	P _s ²
1		3751.2	14072
2		3713.2	13788
3		3622.2	13120
4		3528.2	12448
5			

(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$ _____

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

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

Absolute Open Flow	11,700	Mcf/d @ 15.025	Angle of Slope @ 53° 52'	Slope, n 0.73001
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Remarks: BHP measured with Amerada RPG-3 gauge.

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: F. Tefteller	Checked By:
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