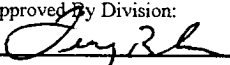


Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

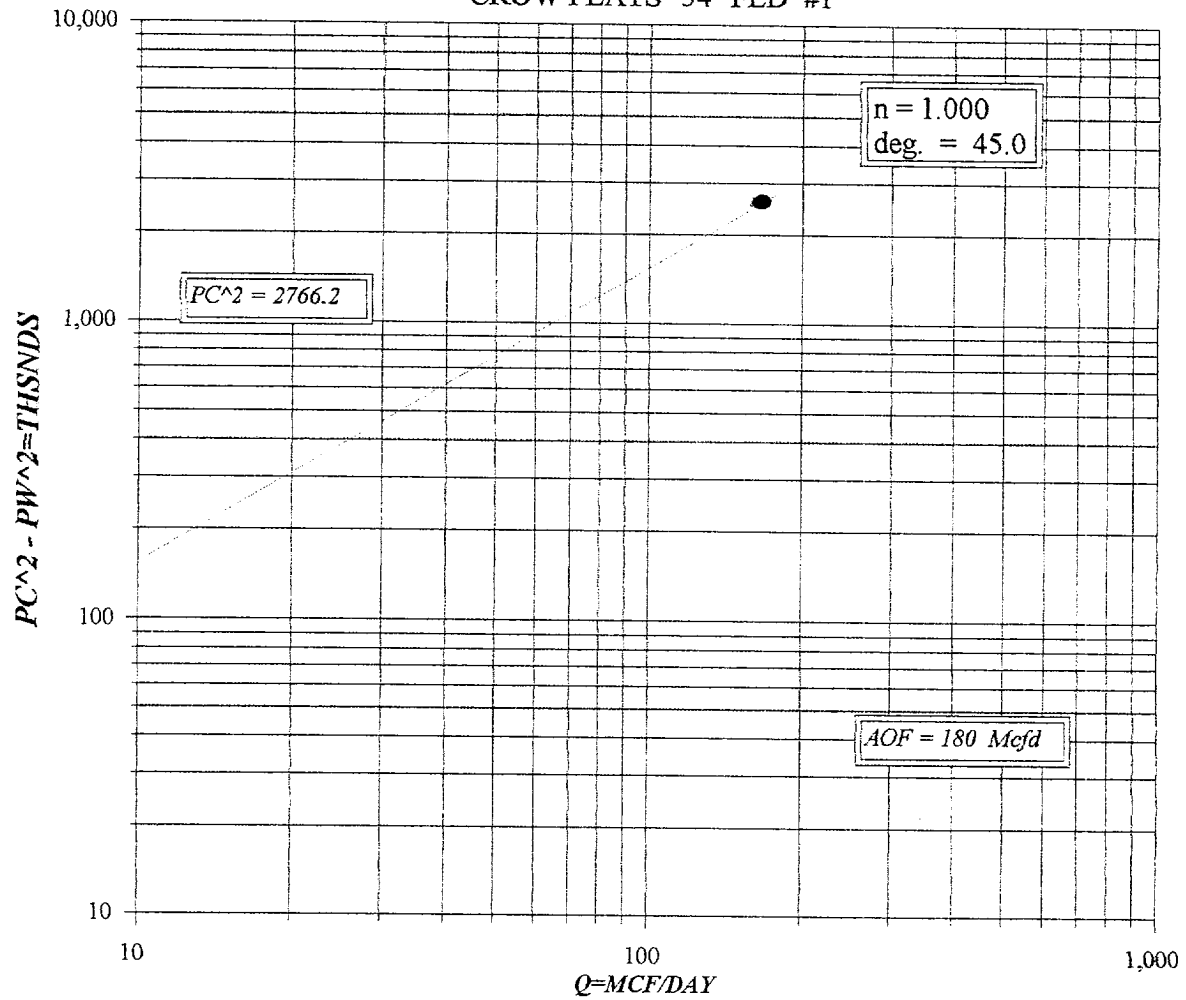
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL CO.				Lease or Unit Name CROW FLATS "34" FED #1			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/15/01	Well No. 1
Completion Date 8/16/00		Total Depth 10,030'		Plug Back TD 9,990'		Elevation 3,528'	Unit Ltr - Sec - TWP - Rge M-34-16S-28E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10,030'	Perforations: From: 9464 To: 9682			County EDDY
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 9333	Perforations: From: To:			Pool SE Crow Flats Mrw
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9333		Formation MORROW / ATOKA	
Producing Thru TUBING		Reservoir Temp. °F 167.3	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2			Connection SALES
L 9333	H 9333	Gg 0.688	%CO ₂ 1.201	%N ₂ 1.744	%H ₂ S N/A	Prover N/A	Meter Run 3.067 Taps FLG
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
1	3.067 X .750		420	3	62	1650	N/A
2						430	
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 F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd
1							167
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	
3							
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.688 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 671 P.S.I.A. P.S.I.A.		
5					Critical Temperature 379 R R		
P _c 1663.2 P _{c2} 2766.2							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.077$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.077$		
1	196.4	443.6	196.8	2569.5			
2							
3							
4							
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 180$		
Absolute Open Flow		180		Mcf @ 15.025		Angle of Slope (°):	45 Slope n: 1
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division: 		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

MEWBOURNE OIL CO.
CROW FLATS "34" FED #1



UNIT : SECTION : TOWNSHIP :
 L : 9333 H : 9333 L/H 1 G/GMIX : 0.688
 %CO2 : 1.2 %N2 : 1.744 H2S : DATE :1/15/01
 d : 2.441 Pr :0.010763 GH : 6421.1 RANGE :

VOL 1 : 167 PSIA 1 : 443.2 RESV.TEMP 167.3
 VOL 2 : PSIA 2 :
 VOL 3 : PSIA 3 : SHUT-IN PR= 1663.2
 VOL 4 : PSIA 4 :

PCR : 671
 TCR : 379

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.167	0.167	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	627.3	627.3	627.3	627.3	627.3	627.3	627.3	627.3
4 T	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
PR (est)	0.66		0.00		0.00		0.00	
5 Z(est)	0.916	0.909	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	532.1	527.9	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	12.066	12.163	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.572	1.578	ERR	ERR	ERR	ERR	ERR	ERR
9 1-e-S	0.364	0.366	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	443.2	443.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	196.4	196.4	0.0	0.0	0.0	0.0	0.0	0.0
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763
13 Fc=FrTZ	5.728	5.682	ERR	ERR	ERR	ERR	ERR	ERR
14 FcQm	0.96	0.95	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(FcQm)	0.9	0.9	ERR	ERR	ERR	ERR	ERR	ERR
16 Fw	0.332982	0.329772	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	196.8	196.8	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	309.3	310.5	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	556.2	557.2	ERR	ERR	ERR	ERR	ERR	ERR
20 P	499.7	500.2	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	0.74	0.75	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
23 Z	0.909	0.909	ERR	ERR	ERR	ERR	ERR	ERR

Pt2 = 19 Pw = 443.6
 0.0 ERR
 0.0 ERR
 0.0 ERR

Pc2-Pw2= 2569.5 Pw2 = 196.8
 ERR ERR
 ERR ERR
 ERR ERR

n = 1.000

Pc2/(Pc2-Pw2) = 1.077
 ERR
 ERR
 ERR

[Pc2/Pc2-Pw2]n = 1.077
 ERR
 ERR
 ERR

ACF= Q 0.180
 ERR
 ERR
 ERR

FORM C122-D