

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

Form C-122
Revised 9-1-65

RECEIVED

C/SF
C-122

Type of Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-23-82		APR 5 1982			
Operator PERRY R. BASS		Air		O. C. D.			
Location Bass Monow		Morrow		ARTESIA, OFFICE			
Completion Date 3-19-82		Total Depth 12401		Perforations 12328			
Elevation 3182.5 GL		Big Eddy Unit		Well No. 87			
Casing Size 5 1/2		Set At 12401		Perforations From 11933 To 12126			
Casing Size 2 3/8		Set At 11890		Perforations From To			
Type well - Single - Horizontal - Gas or G.O. Multiple Single gas		Perforations 11890		County Eddy			
Producing thru Tbg.		Reservoir Temp. °F 192 ^a 11890		Mean Annual Temp. °F 60 ^o			
Baro. Press. = P_a 13.2		State N.M.		County Eddy			
L 11890		H 11890		Gg .5973			
% CO ₂ 1.050		% N ₂ .164		% H ₂ S			
Prover 4"		Meter Run 4"		Tags Flg.			
FLOW DATA							
NO.	Prover Line Size	X	Crifice Size	Press. psia/g.	Diff. h _w		
1.	4 X 1.500		660	2.0	66		
2.	4 X 1.500		660	4.0	76		
3.	4 X 1.500		660	10.0	110		
4.	4 X 1.500		620	16.0	88		
5.	4 X 1.500		640	24.0	94		
TUBING DATA							
4080							
Casing DATA							
Press. psia/g.							
Temp. °F							
Duration of Flow							
45 min.							
45 min.							
45 min.							
1 hr.							
4 hr.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Factor F _{sp}	Rate of Flow Q, Mhd
1.	10.84	36.69	673.2	.9943	1.294	1.058	541
2.	10.84	51.89	673.2	.9850	1.294	1.054	756
3.	10.84	82.05	673.2	.9551	1.294	1.042	1145
4.	10.84	100.65	633.2	.9741	1.294	1.047	1440
5.	10.84	125.21	653.2	.9688	1.294	1.044	1776
Gas Liquid Hydrocarbon Ratio 83.137 Mhd/bbl.							
A.P.L. Gravity of Liquid Hydrocarbons 53.9 @ 60 ^o Deg.							
Specific Gravity Separator Gas .5973 XXXXXXXXXX							
Specific Gravity Flowing Liquid XXXXX 634							
Critical Pressure 671 P.S.I.A. 670 P.S.I.A.							
Critical Temperature 358 R 368 R							
1.4093.2 R ² 16754.3							
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.112$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.838$							
NO. BHP ^a P _w P _w ² P _w ² - P _w ²							
1.	4929.2	3877.1	15031.9	1722.4			
2.	4763.2	3826.5	14642.1	2112.2			
3.	4558.2	3770.8	14218.9	2535.4			
4.	4534.2	3550.7	12607.5	4146.8			
5.	4489.2	3372.0	11370.4	5383.9			
5268 S.I.P. 5,041							
Absolute Open Flow Mhd = 5.041							
Angle of Slope @ 47.5							
Slope, n .919							
Remarks: Produced 5.2 bbls. of distillate during the test.							
Approved by: Davis Services, Inc							
Checked by: Rick Pagan							

Posted ID-2
+ Comp. Book
SI
4-16-82