

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-2-81				
Company CONOCO, INC.				Connection EL PASO NATURAL GAS				7260' FSL & 3300' FEL	
Pool EUMONT				Formation QUEEN				Unit C	
Completion Date 7-17-80		Total Depth 3857'		Plug Back TD 3610'		Elevation 3545' DF		Farm or Lease Name MEYER B-4	
Csg. Size 5 1/2"	Wt. 17#	d 4.892	Set At 3727'	Perforations: From 3319' To 3493'		Well No. 15			
Thg. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 3502'	Perforations: From OPEN To ENDED		Unit C	Sec. 4	Twp. 21S	Rge. 36E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At NONE		County LEA		
Producing Thru TUBING		Reservoir Temp. °F 110 @ 3610'		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State NEW MEXICO	
L 3502'	H 3502'	G _g .688	% CO ₂ 3.97	% N ₂ 1.69	% H ₂ S .55	Prover -	Meter Run 4"	Tags FLANGE	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							157		162		19.5 HRS
1.	4" X 1.500"			65	2.56	67	151		157	(STABILIZED)	30 MIN.
2.	4" X 1.500"			65	6.25	67	145		153	"	30 MIN.
3.	4" X 1.500"			65	12.25	67	135		148	"	30 MIN.
4.	4" X 1.500"			66	23.04	67	112		137	"	45 MIN.
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	10.84	14.149	78.2	.9933	1.206	NIL	184
2	10.84	22.108	78.2	.9933	1.206	NIL	287
3	10.84	30.951	78.2	.9933	1.206	NIL	402
4	10.84	42.717	79.2	.9933	1.206	NIL	555
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio <u>DRY GAS</u> Mcf/bbl.
1.	0.11	527	1.41	NIL	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	0.11	527	1.41	NIL	Specific Gravity Separator Gas <u>.688</u> X X X X X X X X
3.	0.11	527	1.41	NIL	Specific Gravity Flowing Fluid X X X X X
4.	0.12	527	1.41	NIL	Critical Pressure <u>683</u> P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature <u>374</u> R _____ R

NO.	P _f ²	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 6.518$ (2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 4.348$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1,748$
1	26.96	170.2	28.97	1.73	
2	25.03	166.2	27.62	3.08	
3	21.96	161.2	25.99	4.71	
4	15.68	150.2	22.56	8.14	

Absolute Open Flow <u>1,748</u> Mcfd @ 15.025		Angle of Slope <u>51.9</u>	Slope, n <u>.784</u>
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Remarks: PRODUCED NO FLUID DURING TEST.

Approved By: <u>Jerry Sexton</u> Max L. Supv.	Conducted By: <u>M. G. PATTERSON</u>	Calculated By: <u>Tom C. Luddell</u>	Checked By:
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