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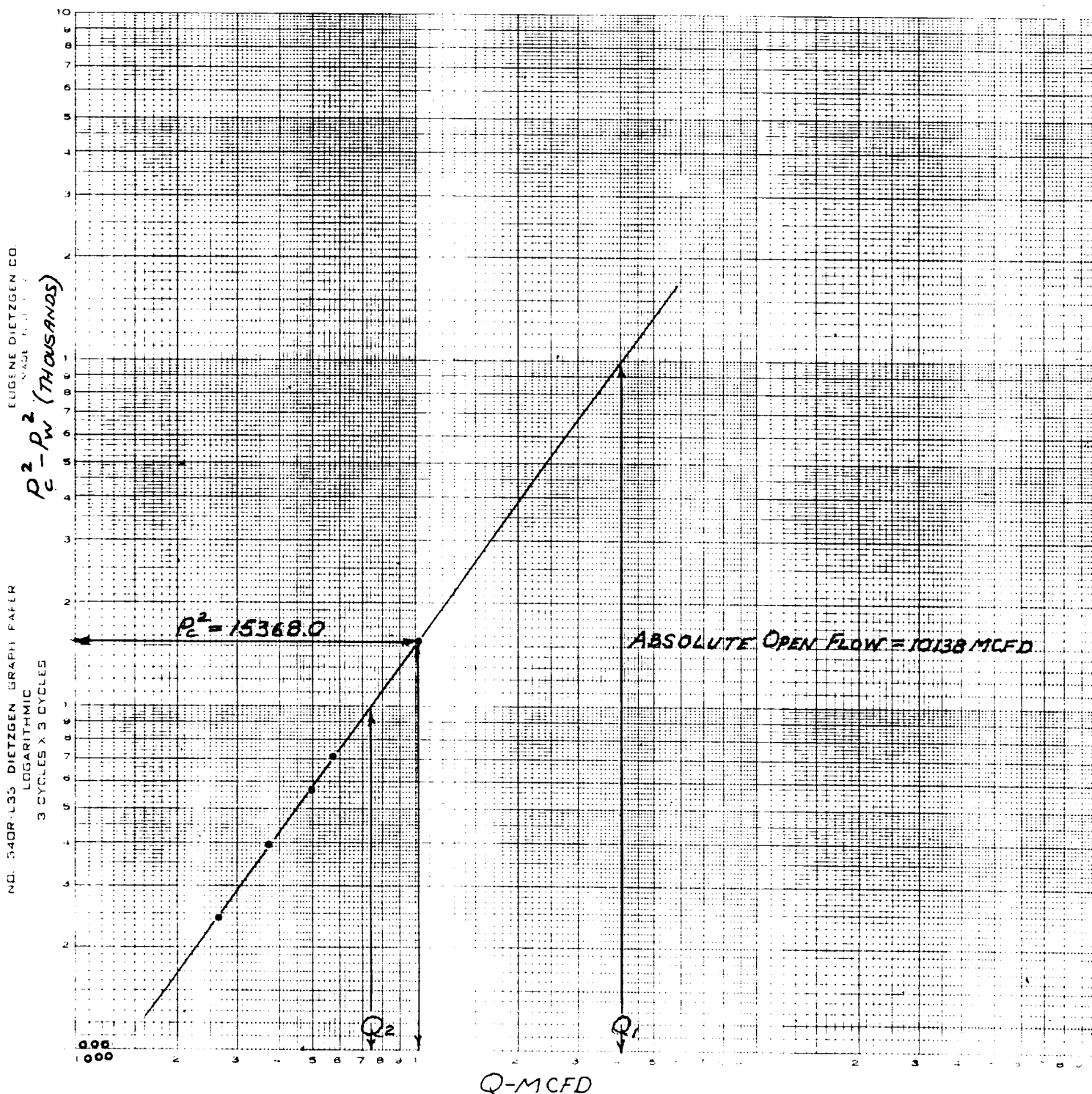
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 21980

JUL 10 1980

C-15F
Form C-122
Revised 9-1-79

O.C.D.		INFO		ACTION							
ARTESIA OFFICE		DATE		POST MANAGER							
☒ Initial		6.27.80		☐ POST MGR							
☐ Annual				☐ POST MGR							
☐ Special				☐ POST MGR							
Company		Direction		POST SERVICES							
EXXON Corp.		El Paso Natural Gas		POST MGR							
Well		Formation		POST MGR							
miles south morrow		Morrow		POST MGR							
South Carlsbad				POST MGR							
Completion Date		Total Depth		Elevation							
12/12/79		10390'		3393' GL							
Csg. Size		Perforations		Well No.							
5 1/2"		From 10014' To 10203'		1							
Tub. Size		Perforations		Unit							
2 7/8"		Open Ended		A							
6.4		9982'		Sec.							
2.441				36							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At		Twp.							
Single		9982'		26s							
Producing Thru		Baro. Press. - P _g		Rjes.							
Tubing		13.2		25e							
Reservoir Temp. *F		State									
172 @ 9982'		New Mexico									
Mean Annual Temp. *F		County									
60		Eddy									
L		H		Meter Run							
10109'		-		4 X 2.250							
G _g		% CO ₂		F							
0.5725		1.156									
% N ₂		% H ₂ S									
0.322		-									
Prover		Meter Run									
-		4 X 2.250									
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. *F	Press. p.s.i.g. DWT	Temp. *F	Press. p.s.i.g.	Temp. *F	Duration of Flow
5!							3165	104	PACKER		67.0 hr.
1.	4	17/64	2.250	564	46.9	73	2185				1.0 hr.
2.	4	14/64	2.250	564	34.8	74	2425				1.0 hr.
3.	4	11/64	2.250	549	20.3	68	2675				1.0 hr.
4.	4	8/64	2.250	549	10.2	65	2910				1.0 hr.
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. Factor, F _{pv}	Rate of Flow Q, Mhd				
1	25.64	164.52	577.2	0.9877	1.321	1.038	5712.97				
2	25.64	141.72	577.2	0.9868	1.321	1.038	4916.75				
3	25.64	106.83	562.2	0.9924	1.321	1.039	3730.91				
4	25.64	75.73	562.2	0.9952	1.321	1.040	2654.80				
5.											
NO.	P ₁	Temp. *R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Ref/Std.				
1	0.85	533	1.57	0.929	A.P.I. Gravity of Liquid Hydrocarbons	-	Deg.				
2	0.85	534	1.57	0.929	Specific Gravity Separator Gas	0.5725	XXXXXX				
3	0.83	528	1.55	0.927	Specific Gravity Flowing Fluid	XXXXXX					
4	0.83	525	1.54	0.925	Critical Pressure	679	P.S.I.A.				
5					Critical Temperature	340	R				
$P_1 = 3920.2$ $P_2 = 15368.0$											
NO.	P ₁	P _w *	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.684$			$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.062$			
1		2864.2	8203.6	7164.4							
2		3105.2	9642.3	5725.7							
3		3380.2	11425.8	3942.2							
4		3594.2	12918.3	2449.7							
5											
$ADP = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10138$											
Absolute Open Flow 10138				Mhd @ 15.025		Angle of Slope @ 53° 46'					
						Slope, n 0.735					
Remarks: * BOTTOM HOLE PRESSURE @ (-6716) 10109' USED FOR PRESSURE CALCULATIONS											
Approved By Commission:		Conducted By:		Calculated By:		Checked By:					
		JARREL SERVICES, INC.		Joe A. Coleman		Joe A. Coleman					

COMPANY: *Conr* EXXON ~~Company~~ US/
 WELL: Mile Post ~~Federal~~ Comm, No.1
 LOCATION: A 36 26s 25e
 COUNTY: Eddy
 DATE: June 27, 1980



$$Q_1 = 40000 \text{ MCFD}; \text{LOG } Q_1 = 4.60206$$

$$Q_2 = 7400 \text{ MCFD}; \text{LOG } Q_2 = 3.86923$$

$$n = 0.73283 = 0.733$$

RECEIVED

OIL CONSERVATION DIVISION
P. O. DRAWER DD
ARTESIA, NM 88210

JUN 18 1980

O. C. D.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION ✓

DATE June 12, 1980

This is to notify the Oil Conservation Division that connection for the purchase
of gas from the Exxon Corp.
OPERATOR

Milepost Com. #1 Well #1, Eddy, A 36-26S-25E
LEASE & WELL COUNTY UNIT S-T-R

milepost

~~Undesignated~~ Morrow
POOL

El Paso Natural Gas Co.
NAME OF PURCHASER

was made on June 10, 1980, 28750, 01
DATE SITE CODE SITE WELL NUMBER

El Paso Natural Gas Company

PURCHASER

Frank R. Elliott
REPRESENTATIVE

Gas Production Status Analyst

TITLE

TRE: b1

cc: Operator

Oil Conservation Division - Santa Fe, NM

H. P. Logan

M. E. McEuen

Proration

Measurement - Jal

R. L. Tabb

Earl Smith

File