

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

SF
File ✓
C122
Form C-122
Revised 6-1-65

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JUL 23 1979

O.C.C.
ARTESIA, OFFICE

Form or Lease Name
Carrasco Com

Well No.
1

Unit Sec. Twp. Rge.
F 14 23s 28e

County
Eddy

State
New Mexico

Meter Run
4"

F

Type Test ☒ Initial ☐ Annual ☐ Special Test Date June 18, '79

Company Delta Drilling Company Connection El Paso Natural Gas Company

Well Wildcat Morrow Undesignated Formation Morrow

Completion Date 6/8/79 Total Depth 13100' Plug Back To 12600' Elevation 3026'DB-25

Perforations: From 12502 To 12514

Perforations: From Open Ended To

Type Well - Single - Underhead - G.C. or G.O. Multiple Single Packer Set At 10000

Producing thru Tubing Reservoir Temp. °F 195 # 11980 Mean Annual Temp. °F 60° Perfor. Length - Ft 13.2

L H Gg % CO₂ % N₂ Prover Meter Run

12508 - 0.5795 1.469 0.508 - 4" F

FLOW DATA

TUBING DATA

CASING 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
SI											
1.	4	4/64	1.256	1070	0.25	88	2650				95.0
2.	4	6/64	1.250	1070	2.25	80	2468				1.0
3	4	8/64	1.250	1070	5.76	74	2205				1.0
4	4	10/64	1.250	1070	9.00	74	1790				1.0
5.							1320				1.0

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 Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	7.469	16.46		0.9741	1.313	1.063	167.15
2	7.469	40.37		0.9813	1.313	1.067	506.94
3	7.469	78.99		0.9868	1.313	1.082	827.10
4	7.469	98.74		0.9868	1.313	1.082	1033.90
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid-Hydrocarbon Ratio	Dry Gas	Mcf/Lb.
1	1.60	548	1.61	0.885	A.P.I. Gravity of Liquid Hydrocarbons	-	Def.
2	1.60	540	1.59	0.879	Specific Gravity Separator Gas	0.5795	XXXXXX
3	1.60	534	1.57	0.854	Specific Gravity Flowing Fluid	XXXXXX	
4	1.60	534	1.57	0.854	Critical Pressure	679	P.S.I.A.
5					Critical Temperature	340	R

NO.	P _w **	P _w ²	P _w ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.729$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.543$
1	4126.2	17025.5	3262.3		
2	3746.2	14034.0	6253.8		
3	2924.2	8550.9	11736.9		
4	2234.2	4991.6	15296.2		
5					

Adjusted Flow	1276	Mold # 15.025	Angle of Slope ° 51° 37'	Slope, n 0.792
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Remarks: * 4 1/2" Liner
** BOTTOM HOLE PRESSURE @ (-9482) 12503' USED FOR PRESSURE CALCULATIONS

Approved by Commission: Conducted by: JARREL SERVICES, INC. Calculated by: Checked by: