

N° MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT .D ONE POINT BACK PRESSURE TEST FOR G. WELL

Form C-122

dsf

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11/9/86	
Company MYCO INDUSTRIES				Connection AGAVE ENERGY			
Pool TURKEY TRACT MORROW				Formation LOWER CLASTICS MORROW			
Completion Date 11/1/96		Total Depth 11790		Plug Back TD 11741		Elevation 3445	
NOV 27 1986							
EAST TURKEY TRACK FEDERAL CO							
Csg. Size	Wt.	d	Set At	Perforations:		Well No.	
5.500	17.000	4.892	11245	From 11279		1302	
Tbg. Size	Wt.	d	Set At	Perforations:		Unit Sec. Twp. Rge.	
2.875	6.500	2.441	11245	From 11279 To 11302		C 26 18S 29E	
Type Well Single				Packer Set At 11790		County EDDY	
Producing Thru Tubing		Resv. Temp. °F 172 @ 4064		Mean Temp. °F 62		Baro. Press. - Pa 13.2	
State NEW MEXICO							
L	H	Gg	%CO ₂	%N ₂	%H ₂ S	Prover	Meter Run
11790	11790	0.639	0.554	0.645	0.000	0.000	3.000
							Taps 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
St.	0.000	x	0.000	0	0.0	0	2983	0			0
1.	3.068	x	1.500	600	52.0	60	1525	60			24
2.	3.068	x	1.500	600	62.0	60	1217	60			24
3.	3.068	x	1.500	600	70.0	60	908	60			24
4.	3.068	x	1.500	600	77.0	60	600	60			24
5.		x									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.130	178.6	613.2	1.0000	1.251	1.060	2636
2.	11.130	195.0	613.2	1.0000	1.251	1.060	2878
3.	11.130	207.2	613.2	1.0000	1.251	1.060	3058
4.	11.130	217.3	613.2	1.0000	1.251	1.060	3207
5.							

NO.	Pr	Temp °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.91	520	1.42	0.890	0	
2.	0.91	520	1.42	0.890	0.000	
3.	0.91	520	1.42	0.890	0.639	XXXXXXXXXX
4.	0.91	520	1.42	0.890	0.639	XXXXXXXXXX
5.						

Pc	2996.2	Pc²	8977.2
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NO.	Pp	Pw	Pw²	Pc² - Pw²
1.	2366.1	1563.0	2442.9	6534.3
2.	1513.4	1268.1	1608.1	7369.1
3.	848.6	980.0	960.4	8016.9
4.	376.0	710.6	505.0	8472.2
5.				

(1) $\frac{Pc²}{Pc² - Pw²} = 1.218$

(2) $\left[\frac{Pc²}{Pc² - Pw²} \right]^n = 1.154$

AOF = Q $\left[\frac{Pc²}{Pc² - Pw²} \right]^n = 3322$

Angle of Slope $\theta = 36$

Slope, n = 0.727

Absolute Open Flow 3322 Mcfd @ 15.025	
Remarks:	
Approved By Commission:	
Conducted By: NELSON MUNCY	Calculated By: MYKOL RENO
Checked By:	