

3 NMOCD

2 MF

1 File 1 EPNG, Clark
OIL CONSERVATION DIVISION

P. O. BOX 2085

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-28-81	
Company DUGAN PRODUCTION CORP.		Connection	
Pool Gavilan		Formation Pictured Cliffs	
Completion Date 10-29-81		Total Depth 3869	Plug Back TD 3828
		Elevation 7642	Firm or Lease Name Found It
Ceq. Size 5 1/2"	Wt. 15.5#	d 3866	Set At 3866
Perforations: From 3740 To 3780		Well No. # A 25	
Tbg. Size 1 1/2"	Wt. 2.4#	d 1.380	Set At 3746
Perforations: From open ended To		Unit G 30 25N 1W	
Type Well - Single - Blindhead - G.G. or C.O. Multiple Single - gas			Packer Set At none
Producing Thru tbg.			County Rio Arriba
Reservoir Temp. °F #			State New Mexico
Mean Annual Temp. °F			Baro. Press. - P _g
L	H	G _g .62 est.	% CO ₂ % N ₂ % H ₂ S
Prover			Meter Run
Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							225		340		
1.											
2.											
3.	1/2" pos. choke			11		48			169		3 hrs.
4.											
5.											

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							
2							
3	5.4315		23	1.0117	.9837	1.000	124
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid - Hydrocarbon Ratio	Mcft/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon <td>Deg.</td>	Deg.
2					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3					Specific Gravity Flowing Fluid <td></td>	
4					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>R</td>	R

RECEIVED
 DEC 8 1981
 OIL CON. COM.
 DIST. 3

P _c 352	P _c ² 123,904	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.359$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^{.85} = 1.298$
NO.	P _r	P _w	P _r ²
1			
2			
3	181	32,761	91,142
4			
5			

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 161$

Absolute Open Flow	161	Mcft @ 15.025	Angle of Slope	Slope, n
Remarks:				

Approved By Division	Conducted By: Dugan	Calculated By: Dugan	Checked By:
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