

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

Form O-112
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-26-80	
Company Odessa Natural Corporation			Connection El Paso Natural Gas Co.		
Pool Undesignated			Formation Pictured Cliffs		Unit
Completion Date 5-05-80		Total Depth 6538'	Plug Back TD 2848'	Elevation 6711' KB	Perm. or Lease Name Gulf Little Fed. 25
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 6539'	Perforations: From 1884 To 1894	Well No. 1
Tbg. Size 1.380	Wt. 2.40	d 1.380	Set At 1911	Perforations: From Open To Ended	Unit Sec. Twp. Range A 25-25N-10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	County San Juan
Producing Thru Tubing		Reservoir Temp. °F 90 @ 1884	Mean Annual Temp. °F 60	Baro. Press. - P _a 12.0	State New Mexico
L 1911	H 1911	G _g 0.60	% 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							500		530		7 days
1.	3/4" T.H.C.						10		220		3 hrs.
2.											
3.											
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	12.3650		22	1.0000	1.0000	1.0000	272
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 542	P _c ² 293,764	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.2243$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.1877$	
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²
1		232	53,824	239,940
2				
3				
4				
5				

Absolute Open Flow 323 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			
Approved By Commission:	Conducted By: Jerold Brooks	Calculated By: Ewell N. Walsh	Checked By: