

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-30-77	
Company Odessa Natural Corporation		Connection Waiting on Pipeline	
Pool Basin Dakota		Formation Dakota	
Completion Date 8-2-77		Total Depth 6538'	Plug Back TD 6496'
Csg. Size 4.500		Wt. 10.50	d 4.052
Tbg. Size 2.375		Wt. 4.70	d 1.995
Set At 6538		Set At 6367	
Perforations: From 6348 To 6380		Perforations: From opened To ended	
Farm or Lease Name Gulf Little Federal		Well No. 1-25	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tubing		Reservoir Temp. °F 149 @ 6538	Mean Annual Temp. °F -----
Baro. Press. - P _a 12.0		State New Mexico	
L 6367	H 6367	Gg 0.600	% 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							1610		1550	
1.	3/4" T.H.C.						95		575	
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		107	1.0000	1.0000	1.0000	1.323
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 _____ X X X X X X X X
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 1622	P _c ² 2,630,884	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1507$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1110$
NO.	P _t ²	P _w	R _w ²
1		587	344,569
2			
3			
4			
5			

Absolute Open Flow 1,470 Mcfd @ 15.025		Angle of Slope 0.75
Remarks:		

Approved By Commission:	Conducted By: Jim Botkins	Calculated By: Ewell N. Walsh	Checked By:
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