

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	
Company Ladd Petroleum Corp.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date 3-2-80		Total Depth 6550'		Plug Back TD 6486'		Elevation 5765' GL	
Farm or Lease Name Federal "A"		Well No. 2E					
Csq. Size 4-1/2"	Wt. 10.5#	d	Set At 6550' RKB	Perforations: From 6333 To 6449		Unit Sec. Twp. Rge. P 26 30N 13W	
Tbg. Size 1-1/2"	Wt.	d	Set At 6424' RKB	Perforations: From Open To End			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At		County San Juan	
Producing Thru tbq		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	Gg .65 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							1820		1830		8 days
1.											
2.											
3.	3/4" Pos Choke			119		56 ⁰			960		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.	12.365		131	1.004	.96077	1.011	1580
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	1842	3,392,964				1.3859	1.2773
2.							
3.			972	944,784	2,448,180	2018	
4.							
5.							

Absolute Open Flow _____ 2018 _____ Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		

Approved By Commission:	Conducted By: Hall	Calculated By: Jacobs	Checked By:
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