

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

Form C-122
Revised 9-1-65

Type of Test ☒ Initial ☐ Annual ☐ Special					Test Date 06/28/80	
Company OKLAHOMA OIL CO.				Connection NONE		
Pool BASIN DAKOTA				Formation DAKOTA		Unit
Completion Date 06/06/80		Total Depth 6652		Plug Back TD 6614		Elevation 5724 9.1
Farm or Lease Name JOHNSON						Well No. 1E
Csg. Size 4	Wt. 10.5	d 4.052	Set At 6652	Perforations: From 6445 To 6544		
Tub. Size 2 3/8	Wt. 4.7	d 2.041	Set At 6650	Perforations: From N/A To		Unit Sec. Twp. Rge. P 21 31N 13W
Type Well - Single - Fixedhead - G.G. or G.O. Multiple SINGLE				Packer Set At N/A		County SAN JUAN
Production Thru TUBING		Reservoir Temp. °F 6.70		Mean Annual Temp. °F 12.2		State NEW MEXICO
L	H	Gg	% 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.	
SI	2" X 6" X 3/4"						1939		1935	
1.				129			129		602	80°F
2.										
3.										
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	11		141	.9813	1.195	1.015	1846
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.21	540	1.38	.971	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 1947	P _c ² 3791	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3791}{3414}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.082$
NO.	P _t ²	P _w	P _w ²
1		614	377
2			
3			
4			
5			

ADP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1997$

Absolute Open Flow 1997 Mcfd @ 15.025

Angle of Slope 6

Slope, n .75

Remarks:

Approved by Commission:	Conducted By: MCCORD	Calculated By: ALEXANDER	Checked By:
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