

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

Form G-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 06/16/80	
Company OKLAHOMA OIL CO.				Connection		
Pool BASIN				Formation DAKOTA		Unit
Completion Date		Total Depth		Plug Back TD	Elevation	Farm or Lease Name KNIGHT
Csg. Size 4.5	Wt. 10.50	d 4.052	Set At 6327	Perforations: From 5974 To 6192		Well No. 1E
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 6054	Perforations: From N/A To		Unit Sec. Twp. Rge. I 5 30N 13W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At N/A		County SAN JUAN
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		State NEW MEXICO
L	H	Gg .700	% 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							1920		1870	
1.	2	X	6	X .75			260		730	62
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11		272	.9981	1.195	1.0358	3696
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.41	522	1.32	.932	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 _i ²	P _w	P _w ²	P _e ² - P _w ²
1		742	550564	2991360
2				
3				
4				
5				

(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.18405$

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 4195$

(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.13508$

Absolute Open Flow	4195	Mcf/d @ 15.025	Angle of Slope @	.75
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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