

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 4-14-75	
Company Skelly Oil Co				Connection Not connected		
Pool Basin Dakota				Unit		
Completion Date 4-7-75		Total Depth 7061 G.L.		Plug Back TD 7019		Elevation 6635
Farm or Lease Name Jicarilla "B"						Well No. 23
Csg. Size 4.500	Wt. 11.60	d 3.375	Set At 7054	Perforations: From 6822 To 6879		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6846	Perforations: From Open To Ended		Unit Sec. Twp. Rge. P 5 24N 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At 6776		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.2		State New Mexico
L 6846	H 6846	Gg .720	% CO ₂ -	% N ₂ -	% H ₂ S -	Prover 2.000
			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							B.H. P2370		Pkr		168
1.	2.000" X .750			484		60	484	60			1
2.	2.000" X .750			482		60	482	60			2
3.	2.000" X .750			437		60	437	60			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	11.000		496.2	1.002	1.179	1.069	6893
2	"		494.2	1.002	1.179	1.068	6858
3	"		449.2	1.002	1.179	1.063	6205
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons 67.3 _____ 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 2382	P _c ² 5673.9		
NO.	P _c ²	P _w	P _w ²
1			
2			
3	449.2	1108	1227.6
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2761$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7449$$

AOF = Q

Absolute Open Flow 7449	Mcf @ 15.025	Angle of Slope θ .75
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REMAINDER
APR 28 1975
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By: Paul D. berhost	Calculated By: R.P. Hergenreter	Checked By:
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