

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 1-7-75	
Company DALPORT OIL CORPORATION				Connection TO AIR		
Pool WILDCAT				Formation QUEEN SAND		Unit
Completion Date 1-7-75		Total Depth 2240'		Plug Back TD 2197'		Elevation 3949' GR.
Farm or Lease Name FEDERAL 4						
Csg. Size 4 1/2"	Wt. 9.5#	d	Set At 2259'	Perforations: From 2143' To 2157'		Well No. 1
Tbg. Size 2"	Wt. 4.60#	d	Set At 2130'	Perforations: From OPEN To ENDED		Unit Sac. Twp. Rge. L 4 15S 30E
Type Well - Single - Brdrenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		County CHAVES
Producing Thru TUBING		Reservoir Temp. °F 80° @ 2150'		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2
State NEW MEXICO						
L 2150'	H 2150'	Gg .900	% CO ₂ 0.08	% N ₂ 47.5	% H ₂ S -0-	Prover ---
Meter Run Pos. CHOKES		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	POSITIVE CHOKES						693.0				
1.	8/64"			662.0	-	57	662.0	57			30 MIN.
2.	10/64"			642.0	-	58	642.0	58			30 MIN.
3.	12/64"			622.0	-	59	622.0	59			30 MIN.
4.	14/64"			597.0	-	60	597.0	60			30 MIN.
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	0.2618	-	675.2	1.003	1.054	1.051	196.4
2	0.4173	-	655.2	1.002	1.054	1.049	302.9
3	0.6101	-	635.2	1.001	1.054	1.047	428.1
4	0.8419	-	610.2	1.000	1.054	1.045	565.8
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	DRY	Mcfd/bbl.
1	1.16	517	1.57	.905	A.P.I. Gravity of Liquid Hydrocarbons		Deg.
2	1.13	518	1.57	.908	Specific Gravity Separator Gas	0.900	XXXXXXX
3	1.09	519	1.58	.913	Specific Gravity Flowing Fluid	XXXXX	
4	1.05	520	1.58	.915	Critical Pressure	582	P.S.I.A.
5					Critical Temperature	329	R

P _F 749.2 P _F ² 561.3					(1) $\frac{P_F^2}{P_F^2 - P_S^2} = 5.3254$		(2) $\left[\frac{P_F^2}{P_F^2 - P_S^2} \right]^n = 5.3254$	
NO.	P _r ²	P _S ²	P _S ²	P _F ² - P _S ²				
1	455.9	723.2	523.0	38.3				
2	429.3	709.2	503.0	58.3				
3	403.5	694.2	481.9	79.4				
4	372.3	675.2	455.9	105.4				
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Absolute Oper. Flow		3013	Mcfd @ 15.025	Angle of Slope	45°	Slope, n	1.000
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Remarks: GOOD POINT ALIGNMENT BUT SLIGHTLY IN EXCESS OF 1.000.
BOTTOM HOLE PRESSURES MEASURED W/AMERADA GAUGE @ 2150'

Approved by Commission	Conducted By: D. TYSON	Calculated By: R. WEST	Checked by:
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