

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

Form C-122
Revised 9-1-65

*Copy 6 SF
C-122*

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-13-76	
Company Depco, Inc.				Connection	
Pool Wildcat				Formation Wolfcamp	
Completion Date 1-28-76		Total Depth 11,553		Plug Back TD 11,055	
Elevation 3503 KB		Farm or Lease Name D H Y - State			
Csg. Size 5 1/2	Wt. 17	d	Set At 11,411	Perforations: From 8866 To 8902	
Thg. Size 2 3/8	Wt. 4.7	d	Set At 11,048	Perforations: From 8811 To 8820	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple G G Multiple				Packer Set At 8820	
Producing Thru Tubing		Reservoir Temp. °F 160 @ 8780		Baro. Press. - P _a 13.2	
Mean Annual Temp. °F		State New Mexico			
L 8811	H 8811	G _g .705	% CO ₂ Nil	% N ₂ Nil	% H ₂ S Nil
Prover		Meter Run X		Taps Flange	

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											
1.	2"	x	1.500	450	1	76					1 hr.
2.	2"	x	1.500	495	2	75					1 hr.
3.	2"	x	1.500	510	8	75					1 hr.
4.	2"	x	1.500	710	7.5	75					1 hr.
5.	2"	x	1.500	710	8.5	75					1 hr.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.76		463.2	.9850	1.189	1.052	338
2	12.76		508.2	.9859	1.189	1.059	505
3	12.76		523.2	.9859	1.189	1.061	1,027
4	12.76		723.2	.9859	1.189	1.085	1,195
5	12.76		723.2	.9859	1.189	1.085	1,272

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.69	536	1.37	.9042	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.76	535	1.36	.8920	Specific Gravity Separator Gas _____ .705
3.	.78	535	1.36	.8890	Specific Gravity Flowing Fluid _____ X X X X X
4.	1.08	535	1.36	.8490	Critical Pressure _____ 668 P.S.I.A.
5.	1.08	535	1.36	.8490	Critical Temperature _____ 392 R

NO.	P _t 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						
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____	
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Remarks: These volumes are from the High Pressure Separator. The Low Pressure volumes are on page 2. The total volumes are on page 3.			
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Approved By Commission:	Conducted By: Tom Hanson Company	Calculated By: Harrington	Checked By:
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