



DELIVERABILITY TEST REPORT - FORM 22

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 18714 (02-2008)

Well File No.

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.
 PLEASE SUBMIT THE ORIGINAL.

Type of Test Initial Annual Special			Date of Test					
Operator							Telephone Number	
Address					City		State	Zip Code
Well Name and Number				Qtr-Qtr	Section	Township N	Range W	County
Field				Pool			Total Depth (Feet)	
Perforations (Feet) From To		Type Completion (Describe)					Packer Depth (Feet)	
Producing Through		Reservoir Temperature (°F) @ Feet		Mean Annual Temperature (°F)		Barometric Pressure, P _a (PSIA) 14.73		
L (Feet)	H (Feet)	G _g	%CO ₂	%N ₂	%H ₂ S	Prover ID In	Meter Run ID In	Taps Type

TUBING DATA		CASING DATA		FLOW DATA						
No.	Pressure (PSIG)	Temperature (°F)	Pressure (PSIG)	Temperature (°F)	Prover Line Size (In)	Choke Orifice Size (In)	Pressure (PSIG)	Meter Differential Pressure h _w (In)	Temperature (°F)	Duration of Flow (Hour)
1.										

No.	Coefficient, F _b (24-Hour)	Square Root of h _w P _m	Pressure, P _m (PSIA)	Flow Temperature Factor, F _t	Gravity Factor, F _g	Super Compressibility Factor, F _{pv}	Rate of Flow, Q (MCFD)
1.							

No.	P _r	Abs. Temperature, T (°R)	T _r	z
1.				

Gas Liquid Hydrocarbon Ratio		MCF/Bbl
API Gravity of Liquid Hydrocarbons		deg.
Separator Gas	Flowing Fluid	
Specific Gravity	Specific Gravity	
Critical Pressure	PSIA	Critical Pressure PSIA
Critical Temp.	°R	Critical Temp. °R

P _d (PSIA)
P _d ²
P _c (PSIA) P _c ² /1000

P _f (PSIA)	P _f ² /1000
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No.	P _t (PSIA)	P _t ² /1000	$\frac{P_c^2 - P_t^2}{1000}$	P _w (PSIA)	P _w ² /1000	$\frac{P_c^2 - P_w^2}{1000}$	P _s (PSIA)	P _s ² /1000	$\frac{P_f^2 - P_s^2}{1000}$
1.									

$$\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{\quad}{\quad} = \quad$$

$$\log \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \quad$$

$$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \quad$$

$$n \log \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \quad$$

$$\text{Deliverability} = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$$

Deliverability	n	n Source	c
MCFD			

Signature	Printed Name	Title	Date
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