

DATE YR/MO/DAY

SUBMITTED BY

FIELD

ZONE

GAS VOLUMES AT 101.325 kPa AND 15°C

POOL

TYPE WELL (LOCATION) **W**

TOP OF PAY K.B.

BASE OF GAS PAY K.B.

S.L. POOL MEAN

S.L. FORMATION DEPTH

K.B. TYPE OF RESERVE
 ASSOCIATED
 NONASSOCIATED
 SOLUTION

AVERAGE POROSITY SOURCE

CUTOFFS POROSITY SOURCE PERMEABILITY mD

GAS SATURATION (S_g) = 1 - (S_w + S_o)

S_w SOURCE

S_o SOURCE

INITIAL RESERVOIR PRESSURE, P_i SOURCE

RESERVOIR TEMPERATURE SOURCE

Z P_r SOURCE

T_r

GAS ANALYSIS P_c, kPa T_c, K P_c', kPa T_c', K

RELATIVE DENSITY SOURCE

$$\text{RESERVOIR CONSTANT (m}^3/\text{m}^3) = \emptyset \times S_g \times \frac{P_i}{101.325} \times \frac{288.15}{T} \times \frac{1}{Z}$$

RECOVERY FACTOR SOURCE

SURFACE LOSS FACTOR SOURCE

RAW GAS COMPOSITION IN MOLE FRACTIONS

N₂ CO₂ H₂S H₂ H_e C₁ C₂ C₃ iC₄ nC₄

C₅ C₆ C₇₊ SOURCE

GROSS HEATING VALUE OF MARKETABLE GAS, MJ/m³

SOURCE

$$\text{STOIP, } 10^3\text{m}^3 = 10Ah\emptyset(1-S_w) \frac{1}{B_{oi}}$$

GOR SOURCE

1/B_{oi} SOURCE

ADDITIONAL COMMENTS

	RESERVE ESTIMATE - INITIAL CONDITIONS	
	PROVEN	PROBABLE
G/W, metres SL		
G/O, metres SL		
AREA, hectares		
h, metres		
ROCK VOLUME, 10 ⁴ m ³		
∅, fraction		
GAS SAT, fraction		
P _i , k Pa		
T, K		
Z		
RESERVOIR CONSTANT, m ³ /m ³		
IGIP, 10 ⁶ m ³		
RECOVERY FACTOR, fraction		
PRODUCIBLE, 10 ⁶ m ³		
SURFACE LOSS FACTOR, fraction		
MARKETABLE, 10 ⁶ m ³		
INITIAL ESTABLISHED MARKETABLE, 10 ⁶ m ³		
MARKETABLE GAS PRODUCED, 10 ⁶ m ³		
REMAINING ESTABLISHED MARKETABLE, 10 ⁶ m ³		
REMAINING ESTABLISHED MARKETABLE UNDER CONTRACT, 10 ⁶ m ³		
EFFECTIVE DATE, YR/MO/DAY		

	SOLUTION GAS	
	PROVEN	PROBABLE
STOIP, 10 ³ m ³		
GOR, m ³ /m ³		
GIP, 10 ⁶ m ³		
RECOVERY FACTOR, fraction		
PRODUCIBLE, 10 ⁶ m ³		
SURFACE LOSS FACTOR, fraction		
MARKETABLE, 10 ⁶ m ³		
MARKETABLE GAS PRODUCED, 10 ⁶ m ³		
REMAINING ESTABLISHED MARKETABLE, 10 ⁶ m ³		
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STOIP = STOCK TANK OIL IN PLACE

GOR = INITIAL DISSOLVED GAS-OIL RATIO