Gas Reserves Data Sheet

Alberta Energy Regulator

GAS VOLUMES AT 101.325 kPa AND 15°C

DATE YR/MO/DAY

SUBMITTED BY

FIELD

POOL

ZONE

TOP OF PAY | K.B. | S.L. POOL MEAN | K.B. | TYPE OF RESERVE
- ☐ ASSOCIATED
- ☐ NONASSOCIATED
- ☐ SOLUTION

TYPE WELL (LOCATION) **W** | BASE OF GAS PAY K.B. | S.L. FORMATION DEPTH | S.L.

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

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

RECOVERY FACTOR SOURCE

SURFACE LOSS FACTOR SOURCE

RAW GAS COMPOSITION IN MOLE FRACTIONS

N_2 CO_2 H_2S H_2 H_e C_1 C_2 C_3 iC_4 nC_4

C_5 C_6 C_7+ SOURCE

GROSS HEATING VALUE OF MARKETABLE GAS, MJ/m^3 _____

SOURCE

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

GOR   SOURCE

$1/B_{oi}$ SOURCE

STOIP = STOCK TANK OIL IN PLACE

GOR = INITIAL DISSOLVED GAS-OIL RATIO

ADDITIONAL COMMENTS

RESERVE ESTIMATE - INITIAL CONDITIONS

	PROVEN	PROBABLE
G/W, metres SL		
G/O, metres SL		
AREA, hectares		
h, metres		
ROCK VOLUME, $10^4 m^3$		
Ø, 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		

$-O$	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, $10^6 m^3$		
EFFECTIVE DATE YR/MO/DAY		