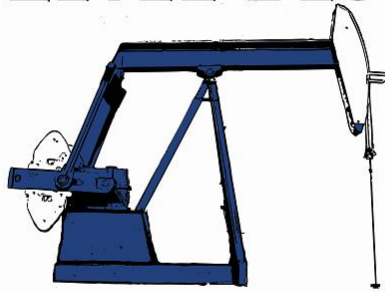


**LEVEL BEST**



**TECHNOLOGIES LTD.**

***ACOUSTIC PRESSURE SURVEY (STATIC CALCULATION)***

***SAMPLE COMPANY  
SAMPLE et al SASKATCHEWAN 1-2-3-14  
100/01-02-003-14W2/0  
FIELD: PROLIFIC  
FORMATION: GSD***

***TEST DATE: December 20, 2005  
(Analysis provided by NR-Tec Ltd.)***

***DISTRIBUTION: BOB LOBLAW, Calgary, AB.***

***PREPARED BY: NR-Tec Analyst***

***DATE: 2005-12-28***

## SAMPLE COMPANY

### ACOUSTIC PRESSURE SURVEY (STATIC CALCULATION)

SAMPLE ET AL SASKATCHEWAN 1-2-3-14

100/01-02-003-14W2/0

FIELD: PROLIFIC

POOL: GOODSANDS

December 20, 2005

#### TEST SUMMARY:

- ◆ A surface pressure and a fluid level were obtained with an acoustic well sounder instrument on 2005-12-20 at 16:04 hours to calculate a shut-in bottomhole pressure at the mid-point of the producing interval.
- ◆ The subject well had been shut-in for 12.2 months (since 13:04 on 2004-12-13).
- ◆ Since this well has been shut-in for an extended period of time, the fluid in the annulus is assumed to be 100% oil. This results in a calculated bottomhole pressure of 7993 kPa (absolute) at the mid-point of the producing interval.
- ◆ Assuming the annulus contains an emulsion with the water oil ratio equal to the ratio of the last measured production rates results in a pressure of 9375 kPa (absolute). Assuming the annulus contains 100% water results in a pressure of 9494 kPa (absolute).

#### PRESSURE DATA CALCULATIONS:

- ◆ The bottomhole pressures were calculated using the following information:

	Atmospheric Pressure	93.0 kPa
*	Formation Depth	1879.70 m KB
	Oil Gravity	35.40° API
	Water Gravity	1.142
	Gas Gravity	0.910
	Oil Production	1.24 m <sup>3</sup> /d
	Water Production	16.46 m <sup>3</sup> /d
	Bottomhole Temperature	62.2° C

\* Deviated well; MPP and fluid levels at TVD.

#### ATTACHMENTS:

ACOUSTIC WELLSOUNDER PRESSURE SURVEY DATA



**NR-TEC LTD.**  
**ACOUSTIC WELLSOUNDER PRESSURE SURVEY**

COMPANY: **SAMPLE COMPANY**  
FIELD: **PROLIFIC**  
POOL NAME: **GOODSANDS**

WELL NAME: **SAMPLE et al SASKATCHEWAN 1-2-3-14**  
LOCATION: **100/01-02-003-14W2/0**  
STATUS: **Pumping Oil**

**TUBING**

TOTAL JOINTS = **196.000**  
TUBING BOTTOM = **1880.50** m KB  
AVG. JOINT LENGTH = **9.571** m

**ELEVATIONS**

KELLY BUSHING (K.B.) = **688.20** m  
CASING FLANGE (C.F.) = **683.60** m  
K.B. TO C.F. = **4.60** m

**PRODUCTION**

OIL RATE = **1.24** m<sup>3</sup>/d  
WATER RATE = **16.46** m<sup>3</sup>/d  
GAS RATE = **0.03** E<sup>3</sup>m<sup>3</sup>/d

**TEMPERATURES**

SURFACE TEMP. = **0.00** °C  
RESERVOIR TEMP. = **62.20** °C

**FLUID PROPERTIES**

GAS GRAVITY = **0.910**  
OIL GRAVITY = **35.400** °API  
WATER GRAVITY = **1.142**

**PRODUCING INTERVAL**

TOP OF INTERVAL = **1878.45** m KB (TVD)  
BOTTOM OF INTERVAL = **1880.95** m KB (TVD)  
MID-POINT = **1879.70** m KB (TVD)

WELL WAS SHUT-IN ON 2004-DEC-13 AT 13:04:32

THE PRODUCING INTERVAL AND ALL CALCULATED DEPTHS HAVE BEEN CORRECTED TO TVD.

SHOT #	SHOT DATE AND TIME	TEST TIME (hours)	JOINTS TO FLUID	COL HT. (m)			GRADIENT (kPa/m)			CSG. (kPaa)	GAS (kPa)	PRESSURE OIL (kPa)	EMUL. (kPa)	MPP (kPaa)
				GAS	OIL	EMUL.	GAS	OIL	EMUL.					
1	05-12-20 16:04:31	8931.000	140.99	1349.3	525.8	-	0.470	7.738	-	3291.4	633.6	4068.4	-	7993.3