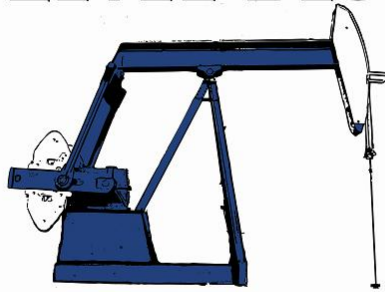


LEVEL BEST



TECHNOLOGIES LTD.

DYNAMOMETER ANALYSIS

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

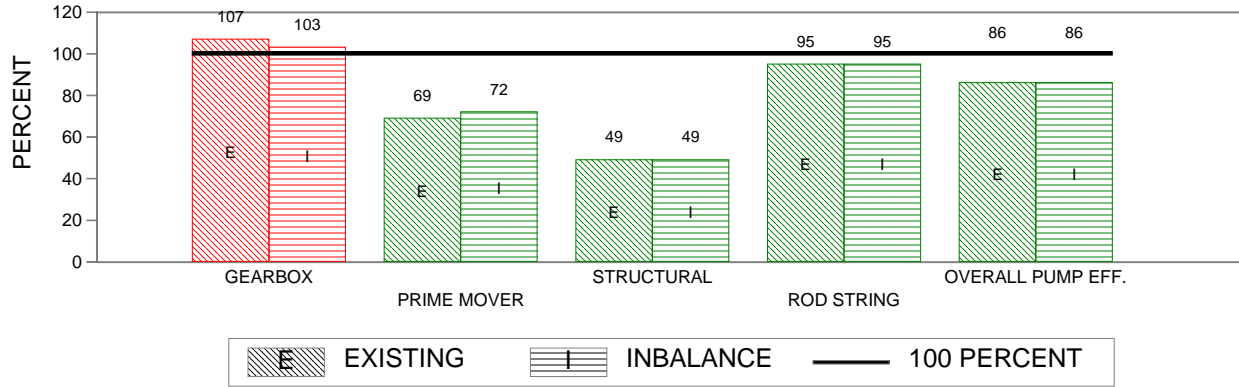
TEST DATE: November 20, 2008
(Analysis Provided by NR-Tec Ltd.)

DISTRIBUTION: BOB LOBLAW

PREPARED BY: NR-Tec Analyst

DATE: November 21, 2008

DYNALOG GRAPHIC SUMMARY



PRODUCTION POTENTIAL

The results of the pumping fluid level test indicate approximately 337 meters of pump submergence. A pump intake pressure of 2828 kPa was determined from these results using an estimated annular fluid gradient of 6.000 kPa/m. Based on these results additional production may be available from the well.

GENERAL COMMENTS

The pump card indicates very good efficiency with slight losses due to tubing movement (tubing is un-anchored).

The valve checks indicate that the bottomhole pump is in excellent mechanical condition with only a slight amount of travelling valve leakage and/or plunger slippage.

RECOMMENDATIONS

If a more accurate calculation of the pump intake pressure is desired to determine the amount of available productivity, an annular fluid depression test and inflow performance relationship study should be conducted.

If the existing gearbox torque (107% of rating) cannot be tolerated, a reduction in pumping speed of approximately 0.5 SPM would be required. A complete system re-design should be considered to maintain or increase production levels without experiencing any equipment overload.

When the well is next serviced, consider installing a tension type tubing anchor to eliminate efficiency losses and equipment wear due to tubing movement and extend the life of the equipment.

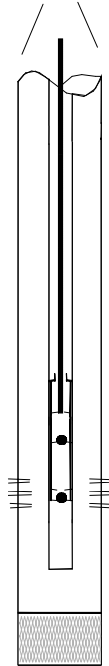
Counterbalance requirements should be re-evaluated following any changes to equipment or operation.





PRIME MOVER			
BALDOR	ELECTRIC		
SHEAVE O.D. (cm)			22.86
RATED HORSEPOWER			30 / 25 / 20
RATED AMPS (RMS)			37 / 31 / 25
RATED RPM			1125
		EXISTING	INBALANCE
POLISHED ROD H.P.		11.79	11.79
CYCLIC LOAD FACTOR		1.498	1.555
APPROX. MOTOR H.P.		20.8	21.6

PUMP EFFICIENCY	
TOTAL PLUNGER STROKE (cm)	240
PUMP DISPLACEMENT (m3/d)	72.6
FLUID PROD'N AS % OF TOTAL DISP.	86
OIL PRODUCTION RATE (m3/d)	1.65
WATER PRODUCTION RATE (m3/d)	60.85
TOTAL FLUID PROD. RATE (m3/d)	62.50
GAS - OIL RATIO	152
EFFECTIVE PLUNGER STROKE (cm)	229
EFFECTIVE PUMP DISPLACEMENT (m3/d)	69.3
FLUID PROD. AS % OF EFF. PUMP DISP.	90
PRODUCTION TEST DATE	2008-11

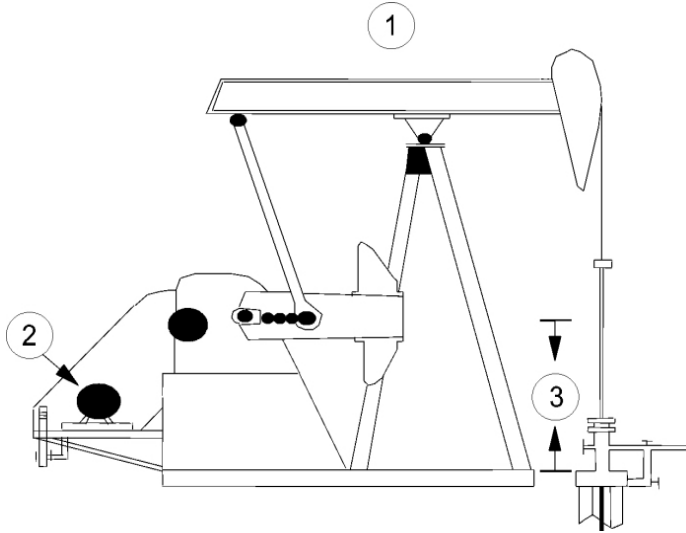


PUMP UNIT		
LUFKIN	CONVENTIONAL	228-213-100
ROTATION		CW
PITMAN POSITION		1 OF 4
PUMPING SPEED (SPM)		10.3
STROKE LENGTH (cm) / (in)		254 / 100
BALANCE CONDITION		UNDER
	EXISTING	INBALANCE
MAX. TORQUE (in-lb)	243543	234204
- % OF RATING	107	103
MIN. TORQUE (in-lb)	-56364	-68190
- % OF RATING	25	30
MAX. LOAD (lb)	10505	10505
- % OF RATING	49	49
C.B. EFFECT (lb)	7163	7469
C.B. MOMENT (in-lb)	346448	361206

FLUID LEVEL AND PRESSURES	
TUBING PRESSURE (kPa)	802
CASING PRESSURE (kPa)	762
PUMPING FLUID LEVEL (mCF)	600.03
PUMP SUBMERGENCE (m)	337.17
* ANNULAR FLUID GRADIENT (kPa/m)	6.000
PRESS. DUE TO GAS COLUMN (kPa)	43
PRESS. DUE TO FLUID COLUMN (kPa)	2023
PUMP INTAKE PRESSURE (kPa)	2828
* ESTIMATED	
CASING TIED-IN AND OPEN TO FLOWLINE	

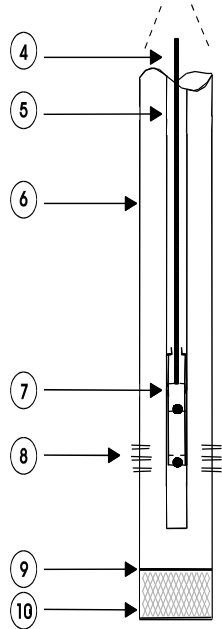
ROD LOADING									
SECTION	DIAM. (mm)	LOAD (lb)		STRESS (psi)		PERCENT API GOODMAN			ROD GRADE
		MAX.	MIN.	MAX.	MIN.	1.0 S.F.	0.8 S.F.	0.6 S.F.	
POL. ROD	31.75	10505	1870	8561	1523	32	41	56	C
2	19.05	10505	1870	23779	4232	73	95	135	D
3	19.05	7527	634	17037	1434	55	70	96	D





NOTES:

- Rod rotator installed and functioning properly.
- Belts are tight and in good condition.
- The brake is in good mechanical condition.
- A visual inspection of the polished rod indicates it is in good condition.
- Well is equipped with rod pump controller.
Runtime - 100 %



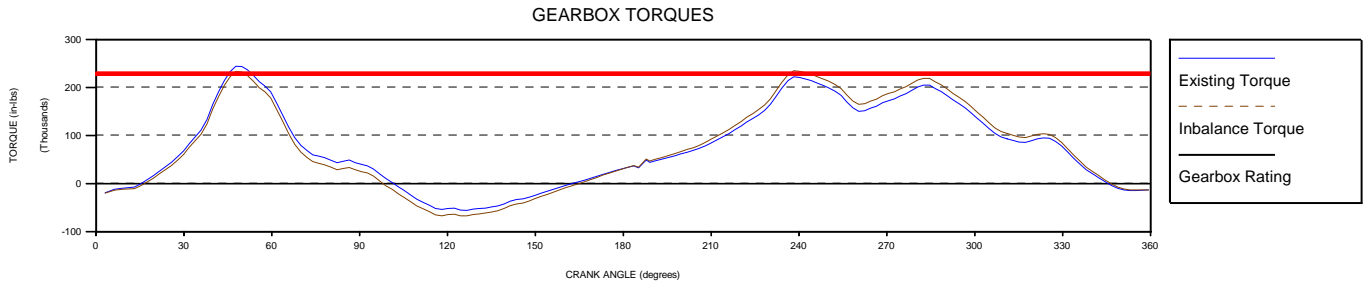
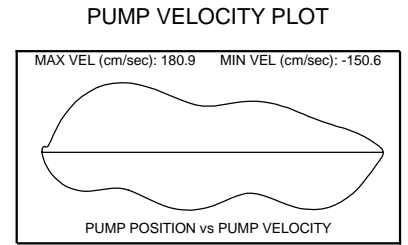
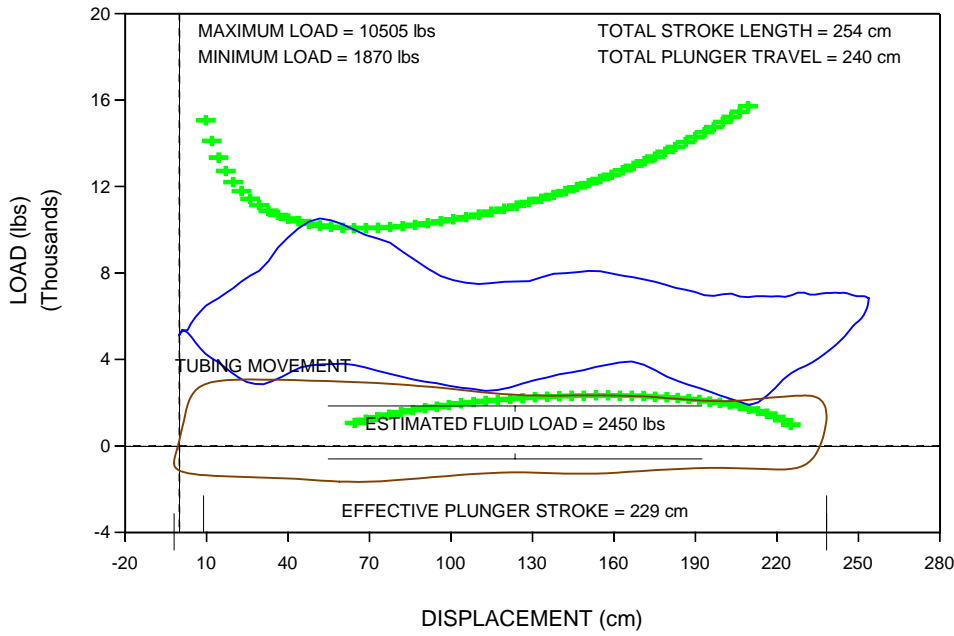
SUMMARY OF BASIC WELL INFORMATION			
1. PUMP UNIT			
LUFKIN	CONVENTIONAL	228-213-100	
STROKE LENGTH (cm) / (in)	254 / 100		
SHEAVE O.D.: 28.0 inches	GEARBOX RATIO: 34.557:1		
BELT SIZE: 3 type C285	CRANK #: 7478B		
	COUNTER	AUXILIARY	WEIGHT
	<u>WEIGHTS</u>	<u>WEIGHTS</u>	<u>POSITION</u>
LEAD A	3CR0		3.0"
LAG A			
LEAD B			
LAG B	3CR0		3.0"
2. PRIME MOVER			
BALDOR	ELECTRIC		
SHEAVE O.D. (cm)	22.86		
RATED HORSEPOWER	30 / 25 / 20		
RATED AMPS (RMS)	37 / 31 / 25		
RATED RPM	1125		
VOLT RATING	460		
3. ELEVATIONS			
KB ELEVATION (m)	698.51		
CF ELEVATION (m)	694.71		
KB - CF (m)	3.80		
5. TUBING			
DIAMETER (mm)	73.03		
SET AT (mKB)	952.13		
NO. OF JTS. / AVG. JT. LENGTH (m)	99.0 / 9.579		
6. CASING			
DIAMETER (mm)	139.70		
SET AT (mKB)	999.00		
7. BOTTOMHOLE PUMP			
63.5 X 50.8 X RWAC X 4.9 X 0.9			
PLUNGER DIAMETER (in) / (mm)	2.00 / 50.80		
BARREL LENGTH (ft) / (m)	16.00 / 4.88		
SETTING DEPTH (mKB)	941.00		
COMPLETION DETAILS			
8.	PRODUCING INTERVAL (mKB)		
	TOP / BOTTOM	932.00 / 933.00	
	MID-POINT	932.50	
9.	PLUG-BACK DEPTH (mKB)	968.00	
10.	TOTAL DEPTH (mKB)	999.00	
11.			

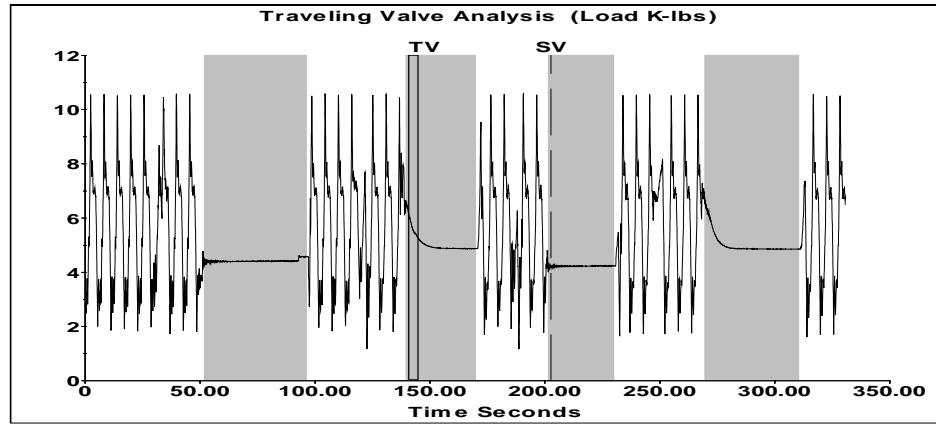
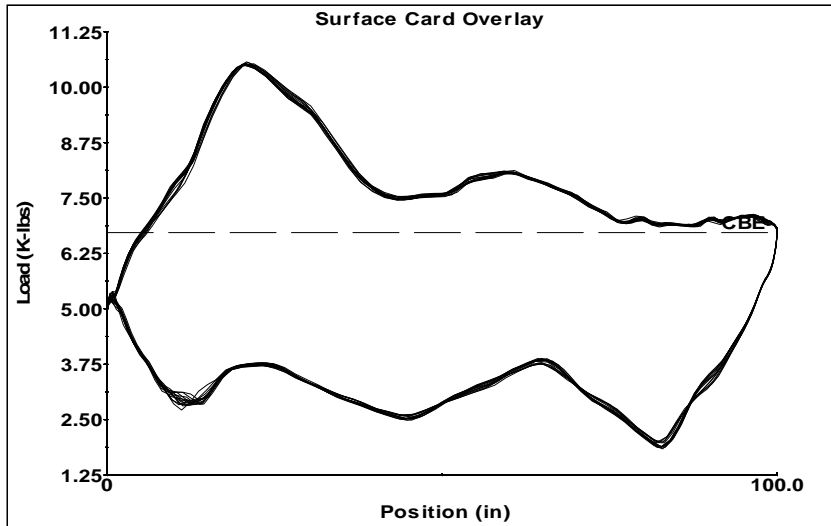
ROD STRING

SECTION	DIAMETER (mm)	LENGTH (m)	UNIT WT. (lb/m)	WT. IN AIR (lb)	WT. IN FLUID (lb)	API ROD GRADE	TENSILE STRENGTH (psi)	COMMENTS
POL. ROD	31.75	7.82	13.93	109	95	C	90000	
2	19.05	387.80	5.35	2074	1831	D	115000	Ryton Scrapered c/w Ponies
3	19.05	548.64	5.35	2934	2590	D	115000	Plain
		944.26		5117	4516			



SURFACE AND PUMP CARDS





Traveling Valve Analysis

Calc. Buoyant Rod Weight + Fluid Load - * - lbf
 Measured Load TV 6145 lbf
 Leakage - * - BBL/D

Standing Valve Analysis

Calculate Buoyant Rod Weight - * - lbf
 Measured Load SV 4225 lbf
 Intake Pressure - * - psi (g)

