



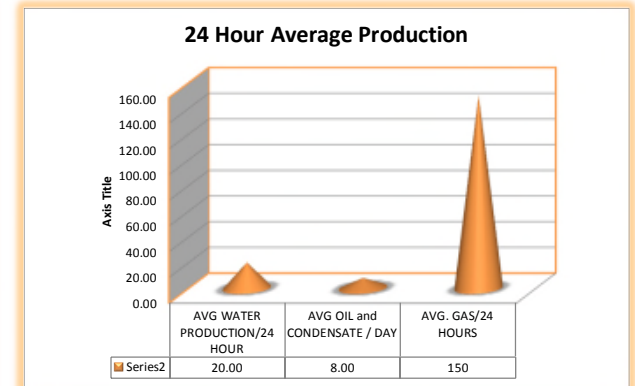
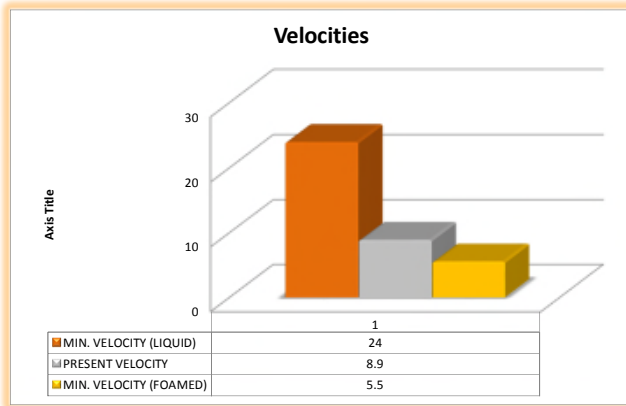
Liquid-loading Analysis and Selection Software Order (LASSO)

Well Production/Completion Data Output Data Operator Information

PERFORATION DATA		
BEGINNING UPPER PERFORATION	9000	FEET
ENDING LOWER PERFORATION	10542	FEET
PRODUCTION VIA		
PACKER	Y	Y/N
PRODUCING UP TUBING/ANNULUS	1	T=1,A=2
MEASURED 30 DAY AVG.		
SURFACE FLOWING PRESSURE	80	PSI
SURFACE FLOWING TEMPERATURE	95	DEG F
BOTTOM HOLE TEMPERATURE	325	DEG F
PRODUCTION TUBING DATA		
TUBING INSIDE DIAMETER	2.441	INCHES
TUBING OUTSIDE DIAMETER	2.750	INCHES
DEPTH TO END OF TUBING	9250	FEET
CASING DATA		
CASING INSIDE DIAMETER	6.778	INCHES
WATER		
AVG WATER PRODUCTION/24 HOUR	20.00	BPD
DENSITY OF PRODUCED WATER	8.50	LBS/GAL
SURFACE TENSION OF PRODUCED WATER	72	DYNES/CM
CHLORIDES	8500	PPM
PH	7	
CONDENSATE		
AVG OIL and CONDENSATE / DAY	8.00	BPD
GRAVITY OF CONDENSATE	56	DEG API
SURFACE TENSION CONDENSATE	20	DYNES/CM
GAS		
AVG. GAS/24 HOURS	150	MCFD
GRAVITY OF PRODUCED GAS	0.65	
H2S	0.000	%
CO2	0.00	%
SHUT-IN CONDITIONS		
SHUT-IN SURFACE PRESSURE	0	PSI
CORROSION		
O2 OR FREE SULFUR	N	Y/N
MAX WELL DEVIATION	0	DEGREES

PRESENT SURFACE CONDITIONS		
PRESENT VELOCITY: if tubing	FT/S	9
PRESENT GAS FLOW RATE	MCFD	150
PRESENT VELOCITY: if annulus	FT/S	1
PRESENT BOTTOM HOLE CONDITIONS		
PRESENT BH VELOCITY IN TUBING	FT/S	4
PRESENT BH VELOCITY IN CASING	FT/S	1
ACHIEVABLE BH FLOWING PRESSURE	PSI	131
MINIMUM LIQUID VELOCITY/FLOW RATE		
MINIMUM CRITICAL GAS VELOCITY: LIQUID	FT/S	24
MINIMUM CRITICAL GAS FLOW RATE: LIQUID	MCFD	408
ASSUMED LIQUID RATE	BPD	76
MINIMUM FOAM VELOCITY/FLOW RATE		
MINIMUM CRITICAL GAS VELOCITY: FOAMED	FT/S	6
MINIMUM CRITICAL GAS FLOW RATE: FOAMED	MCFD	94
ANTICIPATED LIQUID RATE	BPD	18

COMPANY	
WELL NAME	Big Boy Oilfield
FIELD	Dragon #34523
STATE	Texas
COUNTRY	USA
DATE	10/8/2014
ANALYST	KKEE



RECOMMENDATIONS

% Hydrocarbon to water ratio reported, acceptable
 Warning! The liquid to gas ratio is high.
 This well appears to be liquid loading.
 Model criteria achieved, foam will have a positive effect

Capillary Tubing
 Tubing O.D. 1/4 inches
 Recommended Alloy 2507
 Suggested set point 9514 feet