

ZodiacTM

Well Test Interpretation

Company:	Lynx Petroleum	Test Date:	Sept 24, 2000
Well:	Lusk 31 Fed #1, DST #1	Report No:	494701

ROCK / WELLBORE DESCRIPTION

Porosity, %	9	Water Saturation, %	30 (estimated)
Net Thickness, ft	17	Wellbore Radius, ft	0.33 (7.875" bit)

FLUID DESCRIPTION

Gas Liquid Ratio, scf/bbl	--	Reference Pressure, psia	5523
Liquid Gas Ratio, bbl/mmcsf	0.0	Oil Viscosity, cp	--
Water Cut, %	0.0	Gas Viscosity, cp	0.02782
Oil Gravity, deg API @ 60 F	--	Water Viscosity, cp	--
Gas Gravity	0.65 (estimated)	Total Form. Vol. Factor, rvb/scf	0.0005897
N ₂ /CO ₂ /H ₂ S, mole %	--	Total Compressibility, 1/psi	7.460 E-05
Water Salinity, ppm	--		

COMPLETION CONFIGURATION

Total Depth, ft	12409	Packer Depths, ft	11994, 12000
Drill Pipe Length, ft / ID, in	11376 / 3.826	Casing Size, in / WT, lbs/ft	
Drill Collar Length, ft / I.D., in	579 / 2.25	Cushion Type / Length, ft	KCL Water / 1000

TEST CONDITIONS

Wellhead Pressure, psig	62 (maximum)	Instrument Depth, ft / No.	11978 / SLSR-777
Bottomhole Pressure, psia	5523 (end of final shutin)	Max. Temperature, deg F	168
Final GAS Rate, mscf/d	103	Initial Hydrostatic, psia	6497
Final OIL Rate, stb/d	--	Final Hydrostatic, psia	6500
Final WATER Rate, stb/d	--		

COMMENTS

Pipe recovery consisted of 13.3 bbls of gas and slightly mud cut KCL water cushion (with traces of condensate).

The sample chamber contained 0.86 scf of gas and 1900 cc of mud with traces of condensate.

A complete listing of the data collected can be found in field data report #6556626.

Test conducted by the Hobbs Testing District, Mr. Bill Grayshaw.