



Reservoir Engineering Services

Analysis Results

Analyst name	T.Shwe
Company	Ricks Exploration, Inc
Well	Burris #1
Field	990 FSL & 1859 FEL,
County	Lea County, New Mexico
Date	5/2/2000 - 5/3/2000
Test	DST
Depth Reference - MSL	
Gauge Type	
Gauge Number	
Gauge Depth - Measured	8988 MDFT
Gauge Depth - Vertical	
Producing Formation Top	9000 MDFT
Producing Formation Bottom	9123 MDFT (Net Pay 60 FT)
Perforated interval Top	
Perforated interval Bottom	

Remarks:

The DST pressure buildup test was performed on the Burris #1 on 5/2/2000 to 5/3/2000. The objectives of test were to determine reservoir pressure, permeability, formation damage and boundary or depletion if any.

The diagnostic plot of initial buildup indicates a dominant wellbore storage effect of 0.73 hrs. The radial flow represented by a zero slope (horizontal trend) is not observed during the initial buildup. However, assuming that the final part of buildup data is in the radial flow regime, the permeability is estimated as 0.01 md and the extrapolated pressure is 3410.6 psia. The well is damaged with a positive Skin of 4.0.

The diagnostic plot of final buildup indicates a dominant wellbore storage effect of 0.78 hrs. The radial flow begins from 0.78 hrs to 0.95 hrs. It is defined with a zero slope line.

A permeability of 0.017 md is calculated. The well is damaged with +8 Skin. No boundary effect is observed at the late time region.

The flow parameters are calculated as follows.

Radial Flow Plot Model Results - Final Buildup

Radial homogeneous - Infinitely acting

Classic Wellbore Storage

Permeability	0.0167 md
Permeability-thickness	1.0016 md.ft
Radius of investigation	7.5892 ft
Flow efficiency	0.2639
dP skin (constant rate)	2411.4785 psi
Skin factor	8.646
Extrapolated pressure	3380.4897 psia