

FRACURE TREATMENT

allup Stage No. 2

Date January 8, 1987

Operator Jack A. Cole Lease and Well Marcus A #2

Correlation Log Type _____ From _____ To _____

Temporary Bridge Plug Type Retrievable Set At 5508

Perforations 5444-5455 5463-5468
2 Per foot type 3 1/2" Bull Jet

Pad - Gelled Oil 9,000 gallons. Additives _____

~~Water~~ Gelled Oil 22,200 gallons. Additives _____

Sand 50,000 lbs. Size 20-40

Flush - Lease Crude 3612 gallons. Additives _____

Breakdown 2950 psig thru PPI

Ave. Treating Pressure 1900 psig

Max. Treating Pressure 3800 psig

Ave. Injecton Rate 22 BPM

Hydraulic Horsepower 1024 HHP

Instantaneous SIP 1380 psig

5 Minute SIP 1350 psig

10 Minute SIP 1310 psig

15 Minute SIP 1290 psig

Ball Drops: 20 Balls at 14,000 gallons 1950 psig incre
_____ Balls at _____ gallons _____ psig incre
_____ Balls at _____ gallons _____ psig incre

Remarks: _____