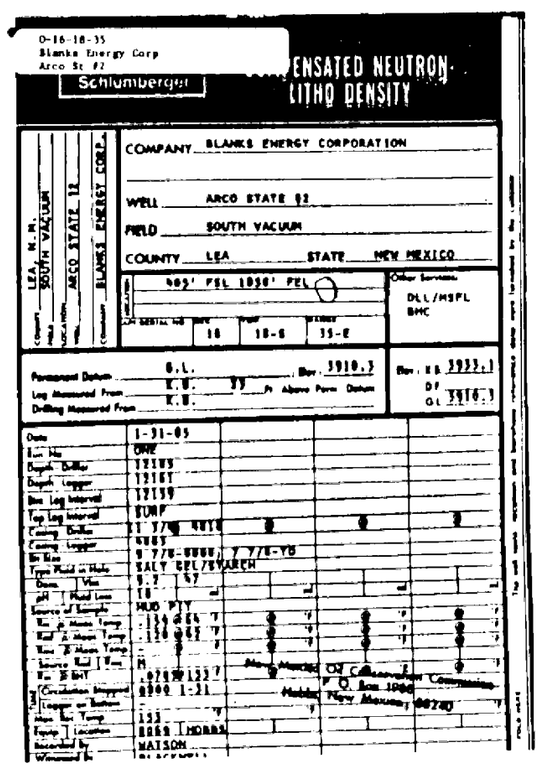


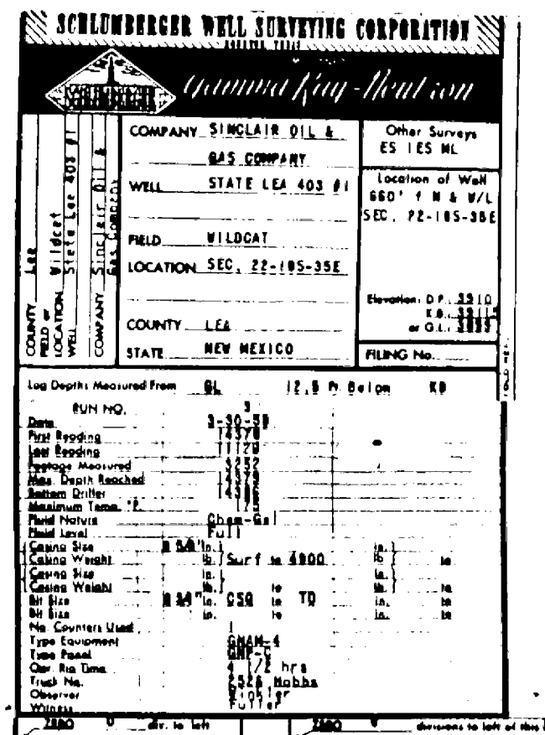


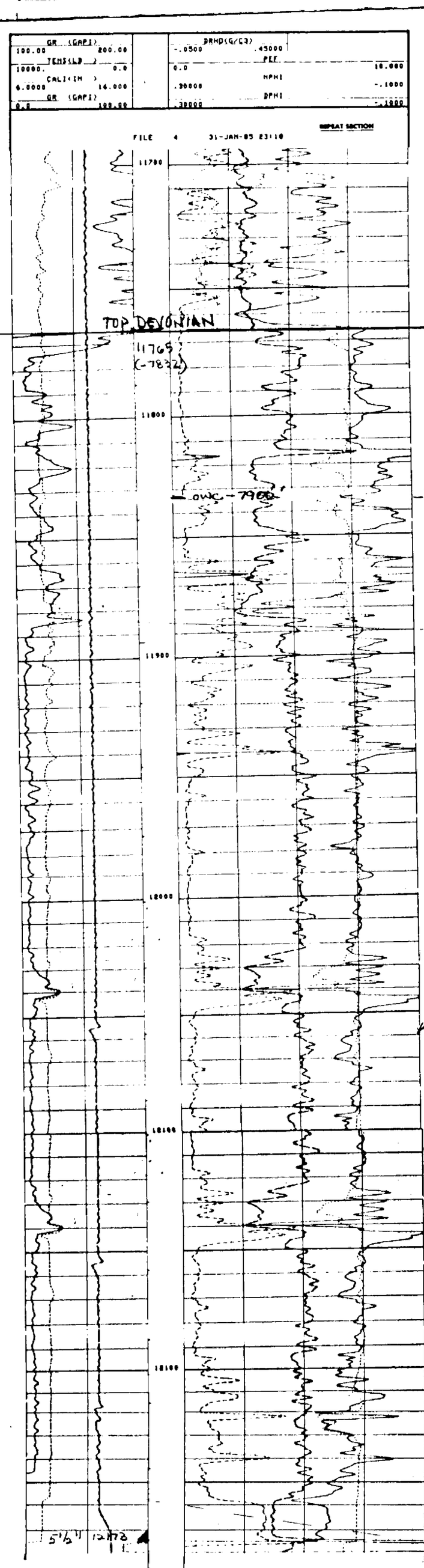


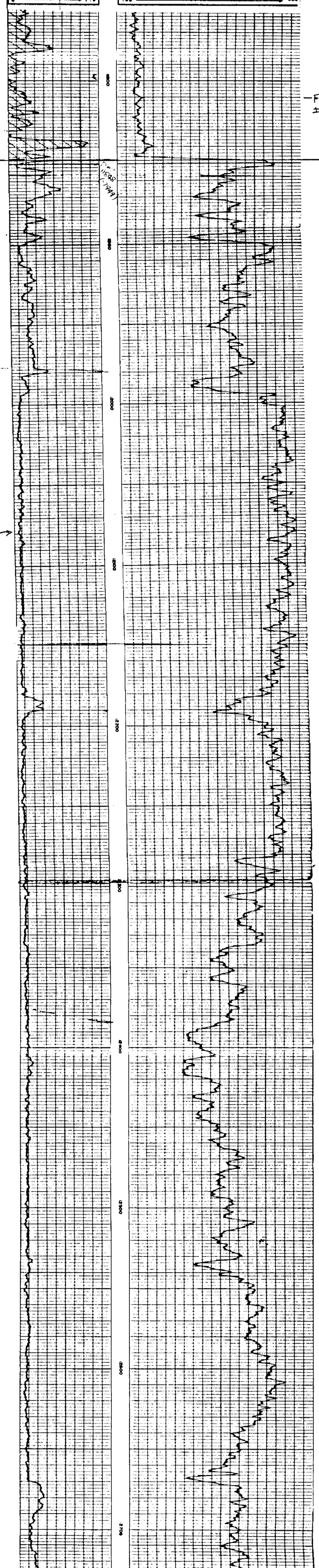


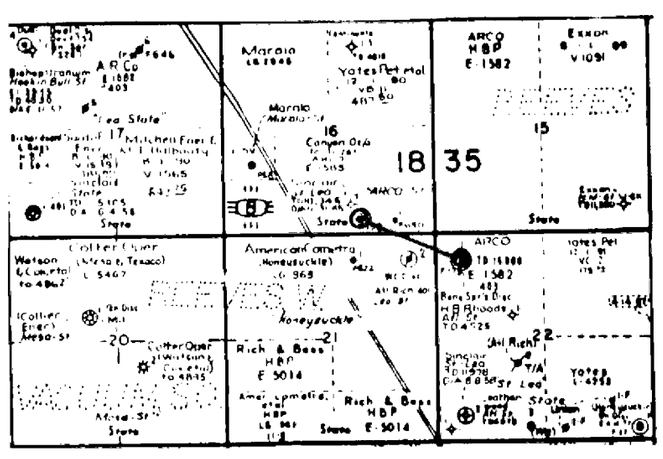

S. VACUUM FIELD